Planning and Zoning Board
Agenda
June 11, 2024

Chair Sandy Burgess
Vice-Chair Joe Hancock
Member Virginia Johns
Member William "Bill" Menadier
Member Keith Vermillion
School Board Member Tina Certain

City Manager Mike DaRoza

Planning and Zoning Board
At 6:00 PM

Meeting Date: June 11, 2024

Meeting Location: James A. Lewis Commission Chambers

Notice given pursuant to Section 286.0105, Florida Statutes. In order to appeal any decision made at this meeting, you will need a verbatim record of the proceedings. It will be your responsibility to ensure such a record is made.

PLANNING AND ZONING BOARD MEETING AGENDA

CALL TO ORDER

INVOCATION

PLEDGE TO THE FLAG

APPROVAL OF THE AGENDA

I. OLD BUSINESS

II. NEW BUSINESS

A. Approval of PZB Meeting Minutes- May 14, 2024

B. Special Exception Permit - Pleasant Solar: A request by Travis Hastay, P.E., of Causseaux,

Hewett, & Walpole, LLC, applicant and agent for Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; & Henderson Brothers, Inc., property owners, for consideration of a special exception permit to allow a major utility (solar facility) in the Agricultural (A) and Residential Single Family Disrtict-4 (RSF-4) zone districts. The subject property is located at 17920 Peggy Road; FLU: Agriculture, Moderate Density Residential; ZONING: A, RSF-4; Tax Parcel: 03894-000-000, 03898-000-000 (Quasi-Judicial Hearing)

C. Site Plan - Pleasant Solar: A request by Travis Hastay, P.E., of Causseaux, Hewett, & Walpole, LLC, applicant and agent for Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; & Henderson Brothers, Inc., property owners, for consideration of a site plan proposing the construction of a ± 74.9 MWac solar facility containing ± 248,921 square feet of impervious surface area with associated site improvements on a ± 321.49-acre subject property located at 17920 Peggy Road; FLU: Agriculture, Moderate Density Residential; ZONING: A, RSF-4; Tax Parcel: 03894-000-000, 03898-000-000 (Quasi-Judicial Hearing)

D. Special Exception Permit - Tara Forest West Stormwater Facilities: A request by Christopher Potts, P.E., of JBrown Professional Group, Inc., applicant and agent for Tara Forest, LLC, property owner, for consideration of a Special Exception Permit to allow stormwater facilities in a less intense zone district, generally located north of US 441, west of NW 147th Drive, Tara Baywood and Tara Forest East Subdivisions; Consisting of portions of Tax Parcel Number 03067-001-000 and 03008-000-000; FLUM: Recreation; Zoning: Agricultural (A). (Quasi-Judicial Hearing)

E. Preliminary Plat – Tara Forest West: A request by Logan Peters, P.E., of JBrown Professional Group, Inc., applicant and agent for Tara Forest, LLC, property owner, for consideration of the Preliminary Plat of the Tara Forest West Subdivision, which proposes the subdivision of a ±198.39 acre subject property into a total of 523 single family lots, with associated common areas and right-of-way, generally located north of US 441,west of NW 147th Drive, Tara Baywood and Tara Forest East Subdivisions; Portions of Tax Parcel Numbers 03067-001-000 and 03008-000-000 (Quasi-Judicial Hearing).

III. BOARD COMMENTS/DISCUSSION

IV. CITIZENS COMMENTS

ADJOURN

City of ALACHUA
THE GOOD LIFE COMMUNITY

Board/Committee Agenda Item

MEETING DATE: 6/11/2024
SUBJECT: Approval of PZB Meeting Minutes- May 14, 2024

PREPARED BY: Brenda Dean, Planning Assistant

RECOMMENDED ACTION:
Approve PZB Meeting Minutes- May 14, 2024

Summary

Approval of PZB Meeting Minutes- May 14, 2024

ATTACHMENTS:

Description

- May 14, 2024 Meeting Minutes

Planning and Zoning Board
Minutes
May 14, 2024

Chair Sandy Burgess
Vice-Chair Joe Hancock
Member Virginia Johns
Member William "Bill" Menadier
Member Keith Vermillion
School Board Member Tina Certain

City Manager Mike DaRoza

Planning and Zoning Board
At 6:00 PM
to address the item(s) below.

Meeting Date: May 14, 2024

Meeting Location: James A. Lewis Commission Chambers

Notice given pursuant to Section 286.0105, Florida Statutes. In order to appeal any decision made at this meeting, you will need a verbatim record of the proceedings. It will be your responsibility to ensure such a record is made.

Planning and Zoning Board Meeting Minutes

CALL TO ORDER

Sandy Burgess – Chair 6:00 p.m.

INVOCATION

Led by Chair Burgess

PLEDGE TO THE FLAG

Led by Chair Burgess

APPROVAL OF THE AGENDA

Member Virginia Johns moved to approve the agenda; seconded by Vice Chair Joe Hancock.

Motion passed by unanimous consent.

I. OLD BUSINESS

II. NEW BUSINESS

A. Approval of PZB Meeting Minutes- April 16, 2024

Member Johns moved to approve the minutes from the April 16, 2024 meeting; seconded by Vice Chair Hancock.

Motion passed by unanimous consent.

B. #PCA24-0004 | Certificate of Appropriateness – First United Methodist Church Digital Sign Face: A request by Fred Hilton, Trustee, applicant and agent for First United Methodist Church of Alachua, Inc., property owner, for consideration of a Certificate of Appropriateness for the alteration of an existing structure at 14805 NW 140th Street; Tax Parcel: 03400-000-000 (Quasi-Judicial Hearing).

Carson Crockett, Planner, presented. Received and filed.

Member Keith Vermillion moved that, based on the competent substantial evidence presented at this hearing, the presentation before this Board, and Staff's recommendation, this Board finds the application to be consistent with the City of Alachua Comprehensive Plan and in compliance with the Land Development Regulations and approves the application for a Certificate of Appropriateness for First United Methodist Church of Alachua, Inc., subject to the one condition provided in "Exhibit A" and located on page 8 of the May 14, 2024 Staff Report to the Planning & Zoning Board; seconded by Vice Chair Hancock.

Motion passed by 5-0 roll call vote.

III. BOARD COMMENTS/DISCUSSION

IV. CITIZENS COMMENTS

ADJOURN

Chair Burgess adjourned the meeting. 6:15 p.m.

ATTEST:

PLANNING AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

_____
Presiding Officer

_____
Staff Liaison

City of Alachua
THE GOOD LIFE COMMUNITY

Board/Committee Agenda Item

MEETING DATE: 6/11/2024
SUBJECT: Special Exception Permit - Pleasant Solar: A request by Travis Hastay, P.E., of Causseaux, Hewett, & Walpole, LLC, applicant and agent for Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; & Henderson Brothers, Inc., property owners, for consideration of a special exception permit to allow a major utility (solar facility) in the Agricultural (A) and Residential Single Family Disrtict-4 (RSF-4) zone districts. The subject property is located at 17920 Peggy Road; FLU: Agriculture, Moderate Density Residential; ZONING: A, RSF-4; Tax Parcel: 03894-000-000, 03898-000-000 (Quasi-Judicial Hearing)

PREPARED BY: Carson J. Crockett, AICP Candidate, Planner

RECOMMENDED ACTION:
Staff recommends that the Planning & Zoning Board approve the Special Exception Permit for a major utility on tax parcels 03894-000-000 and 03898-000-000, subject to the six conditions provided in Exhibit "A" and located on page 21 of the June 11, 2024 Staff Report to the Planning & Zoning Board.

Recommended Motion: *I move based upon the competent substantial evidence presented at this hearing, the presentation before this Board, and Staff's recommendation, that this Board finds the application to be consistent with the City of Alachua Comprehensive Plan and in compliance with the Land Development Regulations and approves the Special Exception Permit for a major utility on tax parcels 03894-000-000 and 03898-000-000, subject to the six conditions provided in Exhibit "A" and located on page 21 of the June 11, 2024 Staff Report to the Planning & Zoning Board.*

Summary

This application is a request by Travis Hastay, P.E., of Causseaux, Hewett, & Walpole, LLC, applicant and agent for Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; & Henderson Brothers, Inc., property owners, for consideration of a special exception permit to allow a major utility (solar facility) in the Agricultural (A) and Residential Single Family District-4 (RSF-4) zone districts. The subject property is located at 17920 Peggy Road (tax parcel: 03894-000-000; 03898-000-000).

Table 4.1-1 of the City's Land Development Regulations establishes the uses permitted within each zoning district. Major utilities are permitted by special exception permit in the A and RSF-4 zone districts.

This application for a special exception permit is a companion request to application #PSP23-0011, Pleasant Solar Site Plan Application. The Pleasant Solar Site Plan Application is included with this special exception permit application to demonstrate compliance with the standards for a

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ATTACHMENTS:

Description

- Staff Report & Supporting Materials
- Public Notice Materials
- Application Materials Part 1 of 3
- Application Materials Part 2 of 3
- Application Materials Part 3 of 3
- Site Plan Set Part 1 of 3
- Site Plan Set Part 2 of 3
- Site Plan Set Part 3 of 3
- Written Comment 2024_06_03

City of Alachua
Planning & Community Development Department
Staff Report

Planning & Zoning Board Hearing Date: June 11, 2024
Quasi-Judicial Hearing **Application #: PSE23-0001**

SUBJECT:	A request for a special exception permit to allow a major utility (solar facility) within the Agricultural (A) and Residential Single Family District-4 (RSF-4) zone districts.
APPLICANT/AGENT:	Travis Hastay, P.E., Causseaux, Hewett, & Walpole, LLC
PROPERTY OWNER:	Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; Henderson Brothers, Inc.
LOCATION:	17920 Peggy Road
PARCEL ID NUMBER:	03894-000-000; 03898-000-000
FLUM DESIGNATION:	Agriculture; Moderate Density Residential
ZONING:	Agricultural (A); Residential Single Family District-4 (RSF-4)
OVERLAY:	N/A
ACREAGE:	± 321.49
PROJECT PLANNER:	Carson J. Crockett, AICP Candidate
RECOMMENDATION:	Staff recommends that the Planning & Zoning Board approve the Special Exception Permit for a major utility on tax parcels 03894-000-000 and 03898-000-000, subject to the six conditions provided in Exhibit "A" and located on page 21 of the June 11, 2024 Staff Report to the Planning & Zoning Board.
RECOMMENDED MOTION:	*I move based upon the competent substantial evidence presented at this hearing, the presentation before this Board, and Staff's recommendation, that this Board finds the application to be consistent with the City of Alachua Comprehensive Plan and in compliance with the Land Development Regulations and approves the Special Exception Permit for a major utility on tax parcels 03894-000-000 and 03898-000-000, subject to the six conditions provided in Exhibit "A" and located on page 21 of the June 11, 2024 Staff Report to the Planning & Zoning Board.*

SUMMARY

This application is a request by Travis Hastay, P.E., of Causseaux, Hewett, & Walpole, LLC, applicant and agent for Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; & Henderson Brothers, Inc., property owners, for consideration of a special exception permit to allow a major utility (solar facility) in the Agricultural (A) and Residential Single Family District-4 (RSF-4) zone districts. The subject property is located at 17920 Peggy Road (tax parcel: 03894-000-000; 03898-000-000).

Table 4.1-1 of the City's Land Development Regulations establishes the uses permitted within each zoning district. Major utilities are permitted by special exception permit in the A and RSF-4 zone districts.

Section 2.4.4(A) of the City's Land Development Regulations states that uses that require a special exception permit are those which are, "...generally compatible with the other uses permitted in a zone district, but require individual review of their location, design, configuration, density, intensity, and public facility impact to determine the appropriateness of the use on any particular site in the district and their compatibility with adjacent uses." Once a special exception permit is granted, the approval runs with the land and is not affected by a change in ownership, unless specifically conditioned as part of the approval.

This application for a special exception permit is a companion request to application #PSP23-0011, Pleasant Solar Site Plan Application. The Pleasant Solar Site Plan Application is included with this special exception permit application to demonstrate compliance with the standards for a special exception permit.

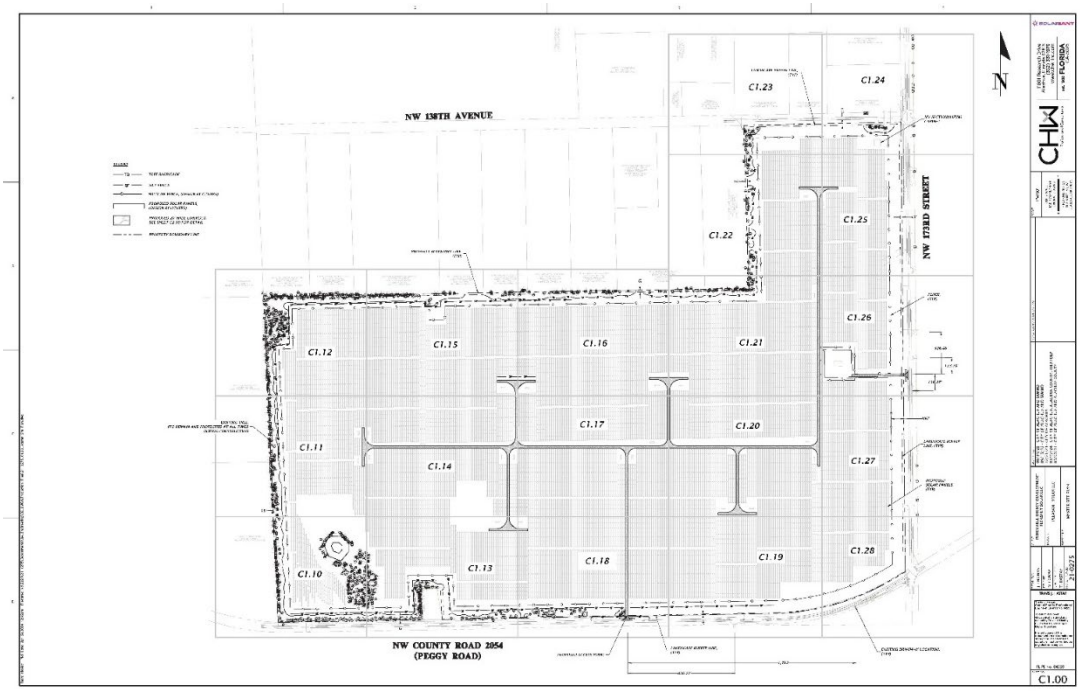


Figure 1. Proposed Site Plan Overview

SURROUNDING USES

The existing uses, Future Land Use Map (FLUM) designations, and zoning districts of the surrounding area are identified in Table 1. Figure 2 provides an overview of the vicinity of the subject property. (NOTE: The information below is intended to provide a general overview of the area surrounding the subject property and to generally orient the reader. The information below is not intended to be all-inclusive, and may not identify all existing uses, FLUM designations, and/or zoning districts surrounding the subject property.)

Table 1. Surrounding Land Uses

Direction	Existing Use(s)	FLUM Designation(s)	Zoning District(s)
North	Agriculture; Single-family residential	Rural/Agriculture (County)	Agricultural (A) (County)
South	Single-family residential; Warehouse & distribution	Agriculture; Industrial	Agricultural (A); General Industrial (IG)
East	Single-family residential	Agriculture	Agricultural (A)
West	Agriculture; Single-family residential	Rural/Agriculture (County)	Agricultural (A) (County)

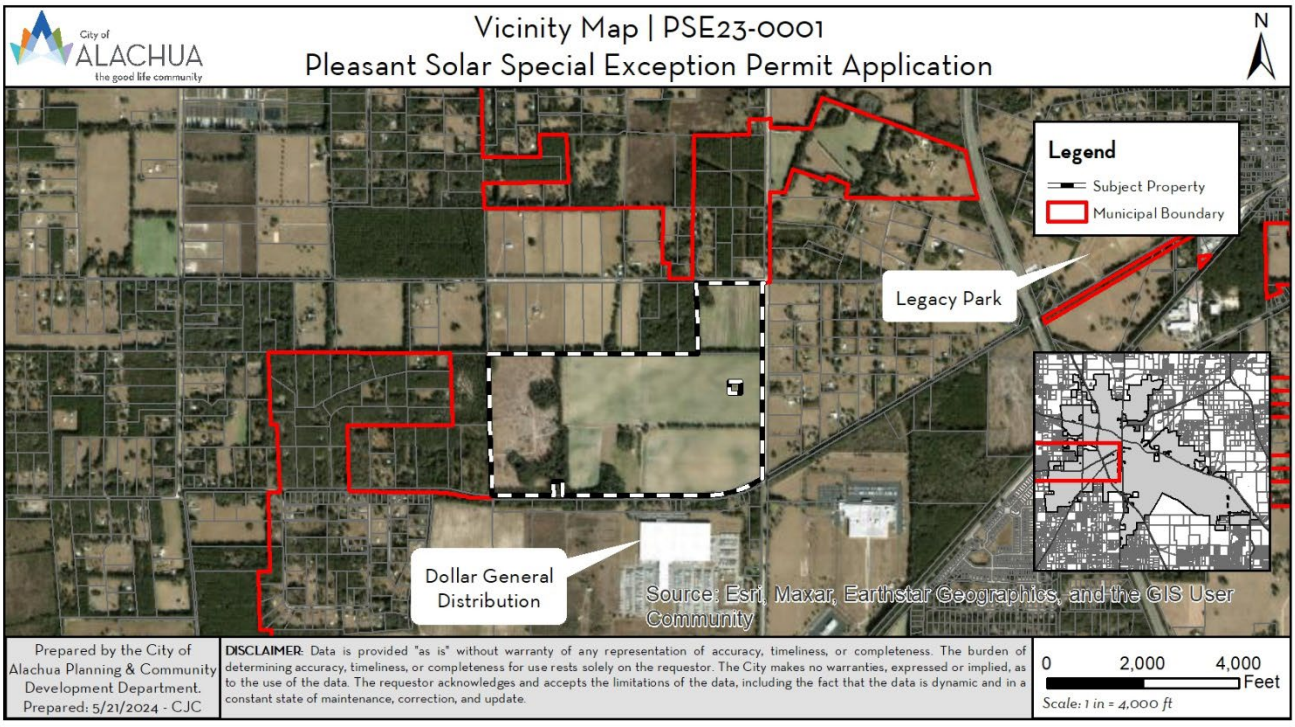


Figure 2. Vicinity Map

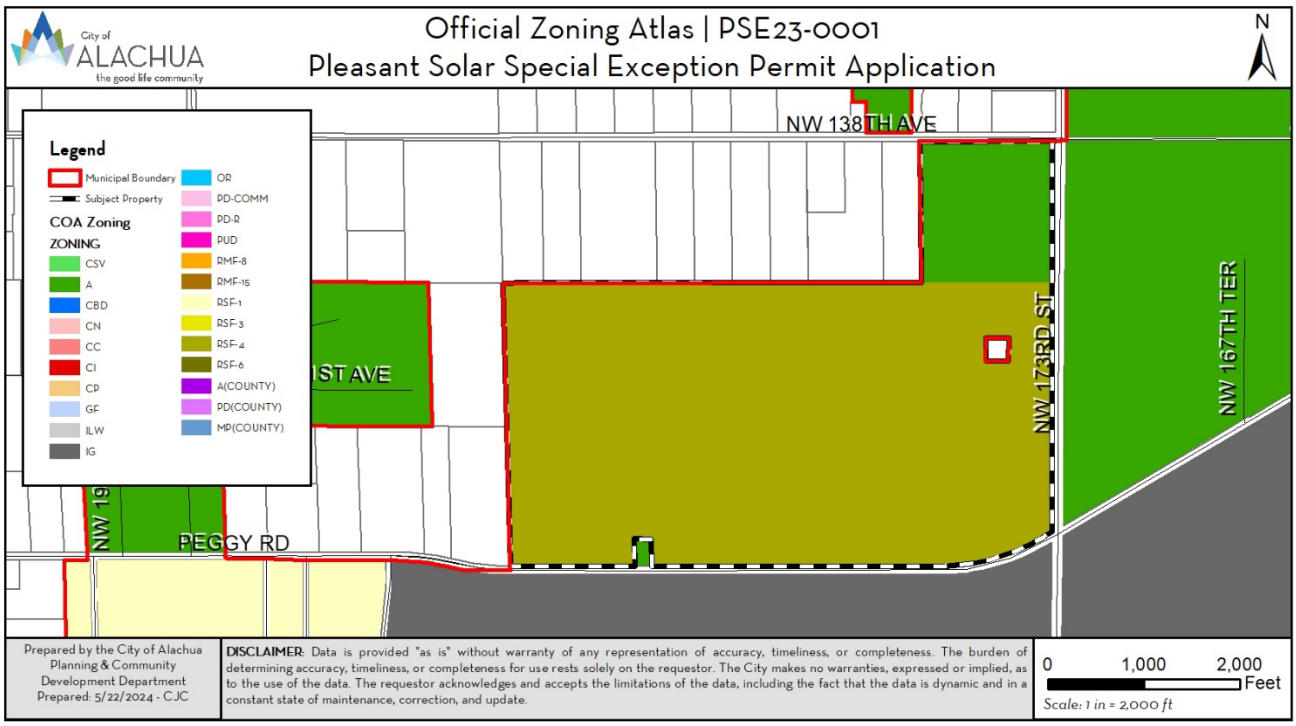


Figure 3. Zoning Map

NEIGHBORHOOD MEETING

The purpose of a neighborhood meeting is to educate the owners of nearby land and any other interested members of the public about the project and to receive comments regarding the project. Neighborhood meetings are required for special exception permit applications.

A neighborhood meeting was held on April 27, 2022 at 11801 Research Drive, Alachua Fl 32615 (CHW Office). As required by Section 2.4.4 of the City's Land Development Regulations, all property owners within 400 feet of the subject property were notified and notice of the meeting was published in a newspaper of general circulation. The applicant was available to answer questions. Materials submitted by the applicant indicate that the meeting was attended by 10 members of the public.

An additional neighborhood meeting was held on August 18, 2022 at 11801 Research Drive, Alachua Fl 32615 (CHW Office). The applicant was available to answer questions. Materials submitted by the applicant indicate that the meeting was attended by 16 members of the public.

Neighborhood meeting summaries are available for inspection and are included as part of the application materials.

COMPRHENSIVE PLAN CONSISTENCY ANALYSIS

The Goals, Objectives, and Policies (GOPs) identified below are provided to establish a basis of the application's consistency with the Comprehensive Plan. There may be additional GOPs which the application is consistent with that are not identified within this report. An evaluation and findings of consistency with the identified GOPs is also provided below.

Future Land Use Element

Goal 1: *Future Land Use Map 2035*

The City shall maintain a Future Land Use Map in order to effectively guide development in a sustainable manner and to ensure economic prosperity and stability while maintaining a high quality of life for all of its present and future citizens, businesses, and visitors.

Objective 1.1: *Agriculture*

The City shall establish an Agriculture land use category in order to maintain agriculture operations within the city limits as well as preserve the rural character and small-town charm of Alachua.

Evaluation & Findings – Objective 1.1: State Statute 163.3205 establishes a solar facility as a permitted use in all agricultural land use categories in a local government comprehensive plan. The proposed special exception use is consistent with the uses permitted within the Agriculture land use category (solar facility).

Objective 5.1: *Natural features*

The City shall coordinate land use categories with appropriate topography, soils, areas of seasonal flooding, wetlands and habitat during review of proposed amendments to the Future Land Use Map and the development review process. Natural features may be included as amenities within a development project.

Policy 5.1.a: *Topography*: The City shall protect the natural topography of the City, including steep and seepage slopes, by requiring new development to include techniques to minimize negative impacts on the natural terrain. An emphasis will be placed on retaining the natural function of seepage slopes during development. Additionally, retention of existing native vegetation will be encouraged as one method of protecting slopes.

Policy 5.1.b: *Soils*: The City shall ensure soil protection and intervention measures are included in the development review process.

Policy 5.1.c: *Flood prone areas*: The City shall require as part of the development review process the identification of FEMA flood zone areas. Where necessary, base flood elevations and minimum finished floor elevations shall be established. The City shall also require finished floor elevations on subdivision plats, site plans and building permit plans when necessary to determine compliance with flood prone area regulations. The City shall establish standards for a limitation on filling in flood prone areas.

Policy 5.1.d: *Wetlands*: The City shall utilize statewide wetland delineation methodology in accordance with Florida Administrative Code (FAC) and regulations adopted by the FDEP and the Suwannee River Water Management District.

Policy 5.1.e: *Habitat*: The City shall require as part of the development review process, an inventory of listed species for all new developments in areas identified as known habitat for listed species if listed species are known to exist in close proximity to the development. The survey shall include detailed information regarding type, quantity, location, and habitat requirements for any listed species identified. A de minimus threshold for properties required to complete the inventory may be established in the City's Land Development Regulations.

Evaluation & Findings – Policy 1.2.b: An environmental conditions analysis has been included within this staff report. Based upon a wetland delineation completed by TRC Environmental Corporation in December of 2022, a ± 0.12-acre wetland is present on the site. The wetland has been sufficiently buffered and is proposed to remain. Based on the best available data, there are no other significant environmental resources that could limit or impact development.

Transportation Element

Objective 1.1: *Level of Service*

The City shall establish a safe, convenient, and efficient level of service standard for all motorized and non-motorized transportation systems.

Evaluation & Findings – Objective 1.1: An analysis of the impacts to transportation facilities has been provided within this report. The proposed special exception use will not result in a decrease in the level of service for transportation facilities monitored for concurrency.

Community Facilities Element

Policy 1.1.d: The City hereby establishes the following level of service standards for sanitary sewer facilities:

Wastewater System Levels of Service

a) *Quality*: Compliance with all applicable standards of the U.S. Environmental Protection Agency (EPA) and the Florida Department of Environmental Protection (FDEP).
b) *Quantity*: System-wide wastewater collection and treatment will be sufficient to provide a minimum of 250 gallons per day per equivalent residential unit (ERU) on an average annual basis. Plant expansion shall be planned in accordance with Rule 62-600.405, Florida Administrative Code, or subsequent provision.
c) *System capacity*: If the existing demand and reserved capacity of the committed use of the City's wastewater facility reaches 85% of the permitted capacity design, no further development orders for projects without reserved capacity will be issued until additional capacity becomes available or funds to increase facility capacity are committed in accordance with a development agreement.

Evaluation & Findings – Policy 1.1.d: An analysis of the impacts to wastewater facilities has been provided within this report. The proposed special exception use will not result in a decrease in the level of service for wastewater facilities monitored for concurrency.

Objective 2.1: *Solid Waste Level of Service Standards and Implementation*

The City shall continue to ensure satisfactory and economical solid waste service for all City residents with an emphasis on reuse and recycling.

Policy 2.1.a: The City hereby establishes the following level of service for solid waste disposal facilities for residential uses:

Facility Type	Level of Service Standard
Solid Waste Landfill	0.73 tons per capita per year

Evaluation & Findings – Objective 2.1 and Policy 2.1.a: An analysis of the impacts to solid waste facilities has been provided within this report. The proposed special exception use will not result in a decrease in the level of service for solid waste facilities monitored for concurrency.

Policy 4.1.c: The City shall establish the following level of service standards for potable water:

1. *Quality*: Compliance with all applicable standards of the U.S. Environmental Protection Agency (EPA) and the Florida Department of Environmental Protection.
2. *Quantity*: System-wide potable water distribution and treatment will be sufficient to provide a minimum of 275 gallons per day per equivalent residential unit (ERU) on an average annual basis.
3. *Capacity*: Plant expansion shall be planned in accordance with Florida Administrative Code. Additionally, if the existing demand and reserved capacity of the City's potable water facility reach 85% of the permitted design capacity, no further development orders or permits for projects without reserved capacity will be issued until additional capacity becomes available or funds to increase facility capacity are committed in accordance with a development agreement.

Evaluation & Findings – Policy 4.1.c: An analysis of the impacts to potable water facilities has been provided within this report. The proposed special exception use will not result in a decrease in the level of service for potable water facilities monitored for concurrency.

Conservation and Open Space Element

Objective 1.10: *Wetlands*

The City shall protect and preserve wetland values and functions from adverse, human caused, physical and hydrological disturbances.

Evaluation & Findings – Objective 1.10: An environmental conditions analysis has been included within this staff report. Based upon a wetland delineation completed by TRC Environmental Corporation in December of 2022, a ± 0.12-acre wetland is present on the site. The wetland has been sufficiently buffered and is proposed to remain.

ENVIRONMENTAL CONDITIONS ANALYSIS

Wetlands

Wetlands are areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal conditions do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

Evaluation & Findings: Based upon a wetland delineation completed by TRC Environmental Corporation in December of 2022, a ± 0.12-acre wetland is present on the subject property. The wetland has been sufficiently buffered and is proposed to remain.

Strategic Ecosystems

Strategic ecosystems were identified by an ecological inventory project in a report prepared for Alachua County Department of Growth Management in 1987 and updated in 1996. The purpose of the inventory was to identify, inventory, map, describe, and evaluate the most significant natural biological communities in private ownership in Alachua County.

Evaluation & Findings: The subject property is not located within or adjacent to a strategic ecosystem, therefore, the proposed special exception use will have no impact upon any strategic ecosystems identified within the ecological inventory report.

Regulated Plant & Animal Species

The Florida Natural Areas Inventory (FNAI) has identified areas throughout the State of Florida which may contain good quality natural communities. This data layer is known as the Potential Natural Areas (PNA) data layer, and identifies privately owned lands that are not managed or listed for conservation purposes. These areas were delineated by FNAI scientific staff through interpretation of natural vegetation from 1988-1993 FDOT aerial photographs and from input received during Regional Ecological Workshops held for each regional planning council. These workshops were attended by experts familiar with natural areas in the region.

Potential Natural Areas were assigned ranks of Priority 1 through Priority 5 based on size, perceived quality, and type of natural community present. The areas included in Priority 5 are exceptions to the above criteria. These areas were identified through the same process of aerial photographic interpretation and regional workshops as the PNA 1 through 4 ranked sites, but do not meet the standard criteria.

Evaluation & Findings: No species identified as endangered, threatened, or of special concern are known to exist on the subject property. A western portion of the subject property is identified as FNAI Priority 5. If a regulated plant or animal species is identified during development, the applicant must adhere to the applicable standards in the City of Alachua Comprehensive Plan and Land Development Regulations.

Soil Survey

The hydrologic soil group is an indicator of potential soil limitations. The hydrologic soil group, as defined for each specific soil, refers to a group of soils which have been categorized according to their runoff-producing characteristics. These hydrologic groups are defined by the Soil Survey of Alachua County, Florida, dated August 1985. The chief consideration with respect to runoff potential is the capacity of each soil to permit infiltration (the slope and kind of plant cover are not considered, but are separate factors in predicting runoff.) There are four hydrologic groups: A, B, C, and D. "Group A" soils have a higher infiltration rate when thoroughly wet and therefore have a lower runoff potential. "Group D" soils have a lower infiltration rate and therefore a higher runoff potential.

There are nine soil types found within the subject property, shown in Table 2.

Table 2. Soil Types

Soil Type	Hydrologic Group	Drainage Class	Limitations		% of Subject Property (may not total to 100% due to rounding)
			Dwellings Without Basements	Small Commercial Buildings	
Arredondo Fine Sand, 0 to 5% Slope	A	Well drained	Slight	Slight	53.66
Fort Meade Fine Sand, 0 to 5% Slope	A	Well drained	Slight	Slight	14.29
Gainesville Sand, 0 to 5% Slope	A	Well drained	Slight	Slight	10.87
Kendrick Sand, 2 to 5% Slope	A	Well drained	Slight	Slight	7.45
Millhopper Sand, 0 to 5% Slope	A	Moderately well drained	Slight	Slight	6.31
Arredondo Fine Sand, 5 to 8% Slope	A	Well drained	Slight	Moderate: slope	3.61
Lochloosa Fine Sand, 2 to 5% Slope	C	Somewhat poorly drained	Slight	Slight	2.53
Bivans Sand, 5 to 8% Slope	D	Poorly drained	Severe: wetness, shrink-swell	Severe: wetness, shrink-swell	1.01
Lake Fine Sand, 0 to 5% Slope	A	Excessively drained	Slight	Slight	0.27

Evaluation & Findings: The soil types present on the subject property do not pose any significant limitations for the proposed special exception use.

Flood Potential

Panel 12001C0120D of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Series, dated June 16, 2006 indicates that the development area is in Flood Zone X (areas determined to be outside of the 500-year floodplain).

Evaluation & Findings: The subject property is located in Flood Zone X (areas determined to be outside of the 500-year floodplain) and there are no issues related to flood potential.

Karst-Sensitive Features

Karst sensitive areas include geologic features, such as fissures, sinkholes, underground streams, and caverns, and are generally the result of irregular limestone formations.

Evaluation & Findings: The subject property is located within an area designated by the Suwannee River Water Management District (SRWMD) High Aquifer Recharge Map (HARP) as an area with a high aquifer recharge potential. Additionally, best available data indicates five potential sinkholes on the subject property. A Geotechnical Engineering Report prepared by GSE Engineering & Consulting, Inc. concludes that the potential sink holes appear to be relic sinkholes and that the "risk for sinkhole development at this site is lower than what would be expected for the general area of Alachua County."

Wellfield Protection Zones

Policy 7.2.1 of the Future Land Use Element of the City's Comprehensive Plan establishes a 500-foot radius area around each city-owned potable water well.

Evaluation & Findings: The subject property is not located within a City of Alachua wellfield protection zone as identified on the City of Alachua Wellfield Primary Protection Zones Map of the City's Comprehensive Plan and there are no issues related to wellfield protection.

Historic Structures/Markers and Historic Features

The State of Florida and the Alachua County Historic Resources Inventory identify historic structures in addition to the City's Historic Overlay District, as established by Section 3.7 of the City's Land Development Regulations.

Evaluation & Findings: The subject property is not within the City's Historic Overlay District and the State of Florida and Alachua County Historic Resources Inventory note no historic structure or markers on the subject property.

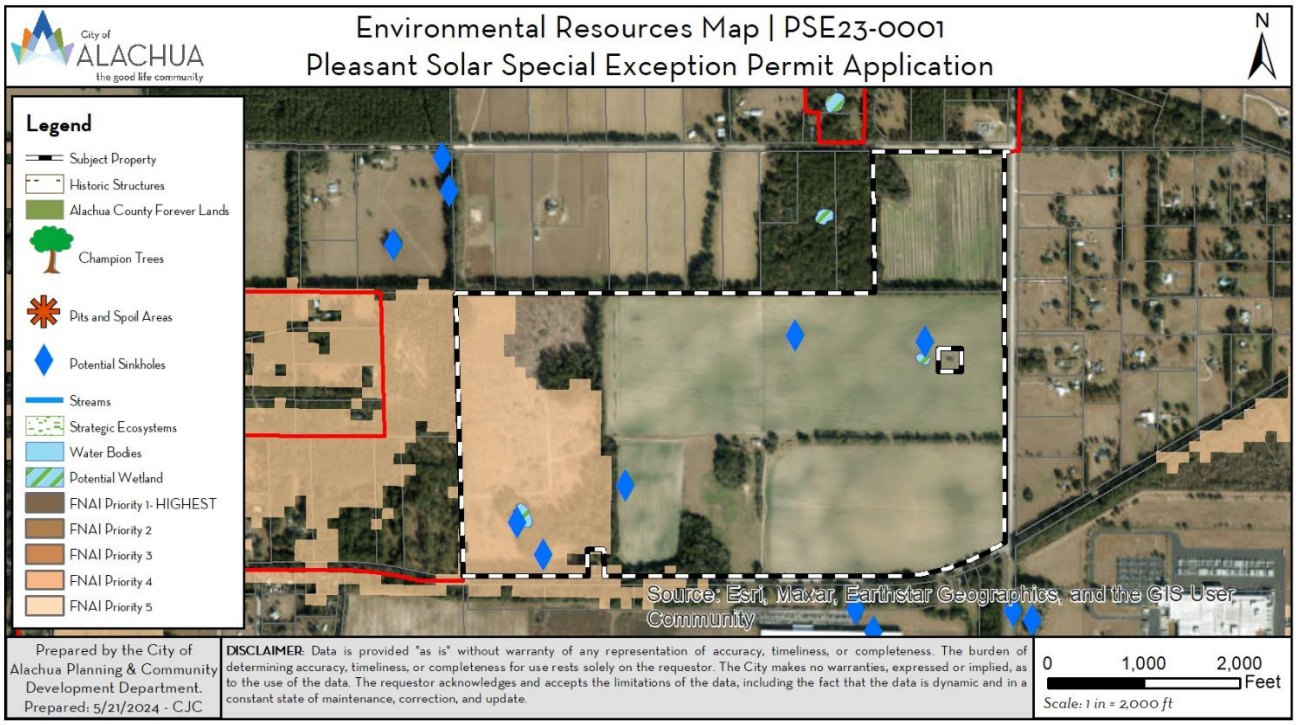


Figure 4. Environmental Resources Map

FINDINGS OF FACT: COMPLIANCE WITH LAND DEVELOPMENT REGULATIONS

Special Exception Permit Standards

Section 2.4.4(D) of the City's Land Development Regulations (LDRs) establishes the standards for the approval of special exception permit applications. The application has been reviewed for compliance with the standards of Section 2.4.4(D). An evaluation of the findings of the applicant's compliance with the standards of Section 2.4.4(D) is provided below.

(D) Special exception standards. A special exception permit shall be approved only upon a finding the applicant demonstrates all the following standards are met:

(1) ***Complies with use specific regulations***. The proposed special exception complies with all relevant standards in Section 4.3, Use specific standards, or Section 5.2.3(B), as applicable.

Evaluation & Findings: Use specific standards for a major utility use are established in Section 4.3.2(I)(3) of the City's Land Development Regulations. The applicant has demonstrated compliance with all use specific standards.

(2) ***Compatibility***. The proposed special exception is appropriate for its location and compatible with the character of surrounding lands and the uses permitted in the zone district.

Evaluation & Findings: Compatibility is defined by the City's Comprehensive Plan as "a condition in which land uses or conditions can coexist in relative proximity to each other in a stable fashion over time such that no use or condition is unduly negatively impacted directly or indirectly by another use or condition." The proposed use is located along two major collector roadways (CR 235A and CR2054), primarily adjacent to industrial and agricultural uses with some single-family residential use adjacency as demonstrated in the Surrounding Uses section of this report. The applicant contends that the proposed use has been sufficiently buffered by more than 100 feet of distance from property lines and landscape screening. The proposed use is not anticipated to have a negative impact on the existing residential uses, agricultural uses, or industrial uses in close proximity.

(3) ***Design minimizes adverse impacts***. The design of the proposed special exception minimizes adverse effects, including visual impacts of the proposed use on adjacent lands; furthermore, the proposed special exception avoids significant adverse impact on surrounding lands regarding service delivery, parking and loading, odors, noise, glare, and vibration, and does not create a nuisance.

Evaluation & Findings: The design of the site and location of the proposed use are expected to have limited impacts on surrounding uses. Visual impacts are to be mitigated through landscape buffering. The applicant has provided a Noise Study demonstrating no adverse impacts related to noise are anticipated. The applicant contends that no impacts related to appearance, service delivery, parking and loading, odors, noise, glare, and vibration are anticipated.

(4) ***Design minimizes environmental impacts***. The proposed special exception minimizes environmental impacts and does not cause significant deterioration of light, water and air resources, wildlife habitat, stormwater management, scenic resources, and other natural resources.

Evaluation & Findings: The applicant has provided a Wetland and Waterbody Delineation Report identifying one wetland to be sufficiently buffered and proposed to remain. The applicant has also provided a Threatened and Endangered Species Habitat Assessment Report that identified no known threatened or endangered species residing on the subject property. If a regulated plant or animal species is identified during development, the applicant must adhere to the applicable standards in the City of Alachua Comprehensive Plan and Land Development Regulations. There are no significant environmental impacts anticipated which would result from the special exception.

(5) ***Roads and other public facilities***. There is adequate public facility capacity available to serve the proposed special exception, and the proposed special exception use is designed to ensure safe ingress and egress onto the site and safe road conditions around the site.

Evaluation & Findings: A public facilities impact analysis has been included within this staff report. The proposed use is to be an unmanned facility except for occasional maintenance. De minimis impacts are anticipated on public facilities.

(6) ***Not injure neighboring land or property values***. The proposed special exception will not substantially injure the use of neighboring land for those uses that are permitted in the zone district, or reduce land values.

Evaluation & Findings: The applicant has provided a Property Value Impact Study demonstrating no adverse impacts to property values are anticipated. The proposed use is not anticipated to injure neighboring land or property values.

(7) ***Drawings***. A site plan (Subsection 2.4.9 of this section) or preliminary plat (Subsection 2.4.10(G)(3) of this section) has been prepared that demonstrates how the proposed special exception use complies with the other standards of this subsection.

Evaluation & Findings: #PSP23-0011, Pleasant Solar Site Plan Application has been submitted and reviewed concurrently with this special exception permit application. The site plan demonstrates that the proposed use complies with the applicable requirements of the City's Land Development Regulations, including the standards of Section 2.4.4(D).

(8) ***Complies with all other relevant laws and ordinances***. The proposed special exception use complies with all other relevant City laws and ordinances, State and Federal laws, and regulations.

Evaluation & Findings: The application is found to comply with all other applicable City laws and ordinances, State and Federal laws, and regulations.

PUBLIC FACILITIES IMPACT ANALYSIS

Section 2.4.4(D)(5) of the City's Land Development Regulations establishes the standard that there must be adequate public facility capacity available to serve a proposed special exception. The application has been reviewed for impacts to roads, sanitary sewer, solid waste, stormwater management, potable water, and recreation facilities to ensure the application's potential impacts do not negatively impact the level of service (LOS) for those public facilities. De minimis impacts are anticipated on public facilities.

Traffic Impact

The following impacts are expected on the roadway segments identified in Table 3-1.

Table 3-1. Affected Comprehensive Plan Roadway Segments[1]

Segment Number[2]	Segment Description	Lanes	Functional Classification	Area Type	LOS
14	CR 2054, From SR 235 to the West City Limit	2	Major Collector	Comm	D
17	CR 235A, From US Hwy 441 to CR 235	2	Major Collector	Comm	D

1 City of Alachua Comprehensive Plan, Transportation Element.
2 For developments generating less than 1,000 trips, affected roadway segments are identified as all those wholly or partially located within 1/2 mile of the development's ingress/egress, or to the nearest intersecting major street, whichever is greater [Section 2.4.14(H)(2)(a)of the LDRs].

Table 3-2. Projected Impact on Affected Comprehensive Plan Roadway Segment 14

Traffic System Category	Segment 14 CR 2054, From SR 235 to the West City Limit	
	AADT	Peak Hour
Maximum Service Volume[1]	15,120	1,359
Existing Traffic[2]	2,498	237
Reserved Trips[3]	661	0
Available Capacity[3]	11,961	1,122
Increase/Decrease in Trips Generated by Development[4]	1	0
Residual Capacity	11,960	1,122
Residual Percentage of Permitted Design Capacity Utilized	20.89%	17.46%

1 AADT & Peak Hour MSVs calculated using LOSPLAN 2012. County Facilities reflect a 10 percent reduction in the MSV calculated within LOSPLAN 2012 as set forth in the Generalized Tables for AADT / Peak Hour Volumes, FDOT 2018 Q/LOS Handbook.
2 Florida Department of Transportation. (2024). *2023 Count Data*. Accessed via Florida Traffic Online April 2024.
3 Source: City of Alachua May 2024 Development Monitoring Report.
4 Trip Generation Formula: Projected Trip Generation: Unmanned facility, 1 trip monthly; Trip Distribution: Segment 14 – 100%.

Table 3-3. Projected Impact on Affected Comprehensive Plan Roadway Segment 17

Traffic System Category	Segment 17 CR 235A, From US Hwy 441 to CR 235	
	AADT	Peak Hour
Maximum Service Volume[1]	15,120	1,359
Existing Traffic[2]	5,302	504
Reserved Trips[3]	3,820	392
Available Capacity[3]	5,998	463
Increase/Decrease in Trips Generated by Development[4]	1	0
Residual Capacity	5,217	463
Residual Percentage of Permitted Design Capacity Utilized	60.34%	65.91%

1 AADT & Peak Hour MSVs calculated using LOSPLAN 2012. County Facilities reflect a 10 percent reduction in the MSV calculated within LOSPLAN 2012 as set forth in the Generalized Tables for AADT / Peak Hour Volumes, FDOT 2018 Q/LOS Handbook.
2 Florida Department of Transportation. (2024). *2023 Count Data*. Accessed via Florida Traffic Online April 2024.
3 Source: City of Alachua May 2024 Development Monitoring Report.
4 Trip Generation Formula: Projected Trip Generation: Unmanned facility, 1 trip monthly; Trip Distribution: Segment 17 – 100%.

Evaluation & Findings: The proposed site plan is not anticipated to adversely impact the level of service of the affected roadway segments.

Potable Water Impacts

Table 4. Potable Water Impacts

System Category	Gallons Per Day
Current Permitted Capacity[1]	2,300,000
Less Actual Potable Water Flows[1]	1,548,250
Reserved Capacity[2]	401,945
Available Capacity	349,805
Increase/Decrease in Potable Water Demand from Application[3]	0
Residual Capacity	349,805
Residual Percentage of Permitted Design Capacity Utilized	84.79%

1 City of Alachua Public Services Department, April 2024
2 City of Alachua May 2024 Development Monitoring Report
3 Formula: Per City of Alachua Comprehensive Plan, Community Facilities Element Policy 4.1.c(2): 275 GPD / Unit

Evaluation & Findings: The proposed site plan is not anticipated to adversely impact the level of service of the City's potable water facilities.

Sanitary Sewer Impacts

Table 5. Sanitary Sewer Impacts

System Category	Gallons Per Day
Treatment Plant Permitted Capacity[1]	1,500,000
Less Actual Treatment Plant Flows[1]	764,000
Reserved Capacity[2]	376,009
Available Capacity	359,991
Increase/Decrease in Sanitary Sewer Demand from Application[3]	0
Residual Capacity	359,991
Residual Percentage of Permitted Design Capacity Utilized	76.00%

1 City of Alachua Public Services Department, April 2024
2 City of Alachua May 2024 Development Monitoring Report
3 Formula: Per City of Alachua Comprehensive Plan, Community Facilities Element Policy 1.1.d(b): 250 GPD / Unit

Evaluation & Findings: The proposed site plan is not anticipated to adversely impact the level of service of the City's wastewater facilities.

Solid Waste Impacts

Table 6. Solid Waste Impacts

System Category	Pounds Per Day	Tons Per Year
Existing Demand[1]	44,060.00	8,040.95
Reserved Capacity[2]	47,884.21	8,738.87
Increase/Decrease in Demand Generated by Application[3]	0	0
New River Solid Waste Facility Anticipated Capacity[4]	50+ Years	

1 Bureau of Economic & Business Research, University of Florida, Estimates of Population by County and City in Florida (2023); Policy 2.1.a, Community Facilities Element. Formula: 11,015 Persons x 0.73 tons per year.
2 City of Alachua May 2024 Development Monitoring Report
3 Formula: Per City of Alachua Comprehensive Plan, Community Facilities Element Policy 2.1.a: 0.73 tons / year per capita
4 New River Solid Waste Association, April 2024

Evaluation & Findings: The proposed site plan is not anticipated to adversely impact the level of service of solid waste facilities.

Recreation Facilities

The proposed development is a nonresidential development. Therefore, there are no impacts to recreation facilities. The development will have no impact to the level of service of recreation facilities.

Public School Facilities

The proposed development is a nonresidential development. Therefore, there are no impacts to public school facilities. The development will have no impact to the level of service of public school facilities.

EXHIBIT "A"
TO
PSE23-0001 | PLEASANT SOLAR
SPECIAL EXCEPTION PERMIT APPLICATION
STAFF REPORT

CONDITIONS

1. The applicant acknowledges and agrees that construction activities associated with any approval or permit issued as part of the site plan and special exception permit shall occur subject to the following:
    a. All staging areas for construction equipment, vehicles, and materials for installation must be internal to the site;
    b. Construction activities may only occur between the hours of 7:00 AM and 7:00 PM, Monday through Friday and between the hours of 9:00 AM and 7:00 PM, Saturday and Sunday;
    c. Dust and debris from construction activities must be minimized as to not spread dust and debris off-site. This may include, but is not limited to, dust control achieved through water trucks, removal of mud/soil from vehicle tires before exiting the site, and street cleaning; and,
    d. Any lighting required for construction activities must be shielded and/or directed as to not spill light to off-site areas or adjacent properties and rights-of-way. Lighting may only be used during the restricted hours of construction activities, except minimal security lighting, which may be used outside the restricted hours of construction only such that no disturbances or light spill to off-site areas or adjacent properties and rights-of-way occur.
2. The applicant acknowledges and agrees that the submitted Decommissioning Plan and signed memorandum are incorporated as part of the site plan.
3. The applicant acknowledges and agrees that no construction or pre-construction activities in any way related to the site plan and special exception permit shall commence until the approved Decommissioning Plan and signed memorandum have been recorded in the public Records of Alachua County, Florida to run with the land as a restrictive covenant and a recorded copy has been provided to the City of Alachua. The City of Alachua shall hold the original approved site plan until this condition has been met. The applicant is responsible for all costs associated with recording the Decommissioning Plan in the Public Records of Alachua County, Florida.
4. The applicant acknowledges and agrees that decommissioning to address the cease of operations of the facility must commence within 180 days of the cease of operations. Decommissioning must be completed within 180 days of commencement. Extensions may be granted in 30 day increments by showing of good cause to the City of Alachua LDR Administrator. Extensions must be requested at least 30 days prior to the expiration.

5. The applicant acknowledges and agrees that the applicant and owner will obtain all other applicable local, state, and federal permits before the commencement of site work.
6. The applicant acknowledges and agrees that Conditions 1-5 as stated above do not inordinately burden the land and shall be binding upon the property owners, including any subsequent property owners, successors, or assigns, and that the special exception permit shall comply with Conditions 1-6 as stated herein.

EXHIBIT "B"
TO
PSE23-0001 | PLEASANT SOLAR
SPECIAL EXCEPTION PERMIT APPLICATION
STAFF REPORT

SUPPORTING APPLICATION MATERIALS SUBMITTED BY CITY STAFF TO THE PLANNING AND ZONING BOARD

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

May 15, 2024

Submitted electronically to travish@chw-inc.com

Travis Hastay, P.E.
Causseaux, Hewett, & Walpole, LLC
11801 Research Drive
Alachua FL, 32615

Application #: PSP23-0011; PSE23-0001

RE: Notice of Hearing to be Scheduled for Pleasant Solar Site Plan and Special Exception Permit Applications

Dear Mr. Hastay,

On May 2, 2024, the City of Alachua received your revised site plan and special exception permit applications for the Pleasant Solar project submitted on behalf of Waco Properties, Inc., and Alspaugh & Brown Trustee & Henderson Brothers Inc. & Weidner. Based on review of the materials submitted, the City has determined that this application can now be scheduled for a hearing before the Planning & Zoning Board.

The application has been scheduled for the **June 11, 2024** Planning & Zoning Board meeting.

You must provide two *double sided, three-hole punched, color sets* of each **complete** application package (two site plan and two special exception permit sets), seven full size sets of site plans, and a digital copy of all materials in PDF format on a CD or by emailing a Cloud/FTP link to download the materials to planning@cityofalachua.org *no later than 10 business days prior to the Planning & Zoning Board meeting at which you application is scheduled to be heard*; therefore, the above referenced materials must be submitted to the City no later than ***Thursday, May 23, 2024***. Materials may be submitted earlier than this date.

Additionally, Section 2.2.9(D) of the Land Development Regulations requires the applicant to place posted notice signs on the subject property at least 14 days prior to the public hearing; therefore, posted notice signs must be placed on the property no later than ***Tuesday, May 28, 2024***. You will be notified when the signs are available for pick up.

If you plan to utilize a PowerPoint presentation or would like other materials to be available for reference during the public hearing, please submit the presentation or materials no later than 12:00 PM on the last business day prior to the Planning & Zoning Board meeting; therefore, the presentation or materials must be submitted no later than 12:00 PM on ***Monday, June 10, 2024***. Any presentation or materials may be submitted electronically by emailing them to planning@cityofalachua.org.

If you have any questions regarding the information above, please contact me at (386) 418-6137 or via email at ccrockett@cityofalachua.org.

Sincerely,



Carson J. Crockett, AICP Candidate
Planner

CC: Mike DaRoza, City Manager *(by electronic mail)*
Rodolfo Valladares, Assistant City Manager *(by electronic mail)*
Kathy Winburn, Planning & Community Development Director *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Project File

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

April 4, 2024

Submitted electronically to travish@chw-inc.com

Travis Hastay, P.E.
CHW, Inc.
11801 Research Drive
Alachua Fl, 32615

Application #: PSP23-0011; PSE23-0001

RE: Project Assistance Team (PAT) Comments for Pleasant Solar Site Plan and Special Exception Permit Applications

Dear Mr. Hastay,

On March 11, 2024, the City of Alachua received your revised site plan and special exception permit applications for the Pleasant Solar project, which proposes the construction of a ± 74.9 MWac solar facility containing approximately ± 248,921 square feet of impervious surface area with associated site improvements on a ± 321.49-acre subject property (tax parcel: 03894-000-000; 03898-000-000). This letter address both the site plan and special exception permit applications.

The application has been reviewed by the City's Planning Assistance Team (PAT). Upon review of the application materials, the following insufficiencies must be addressed. A meeting is scheduled for **10:00 AM on Thursday, April 11, 2024** to review these comments.

Please address all insufficiencies in writing and provide an indication as to how they have been addressed by **5:00 PM on Thursday, May 2, 2024**. A total of four copies of the application package, plans, and a digital copy of all materials in PDF format on a CD or sent by emailing a Cloud/FTP link must be provided by this date. Upon receipt of your revised application, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the Planning & Zoning Board. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time. If all comments are addressed by the resubmission date above, the application may be scheduled for the **June, 2024 Planning & Zoning Board (PZB) Meeting**.

Pursuant to Resolution 20-13, application fees include two (2) PAT reviews, and the reviews associated with each resubmittal to confirm that comments were addressed. **Please note, if an additional PAT review is required, a surcharge of 25% of the site plan application fee and special exception permit application fee will be assessed for the additional PAT review (site plan application fee - $2,700; 25% surcharge - $675; special exception permit application fee - $2,000; 25% surcharge - $500).** You will be notified if an additional PAT review is required, and the surcharge must be paid prior to any further review of the application.

Address the following insufficiencies:

Remaining Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations **

3. **Article 2 – Administration**
   a. Section 2.4.4 – Special exception permit
      iv. Section 2.4.4(D)(4)
         2. The application materials refer to the ability to restore the site to natural conditions at the end of the project lifespan (20-40 years). Provide a preliminary decommissioning plan with more specific information such as contact information for all parties involved, any recycling of PV modules or other components, handling of potentially hazardous waste, conditions under which decommissioning will take place, time period of decommissioning, scope of work, the responsibilities of all parties involved, and contingencies should the owner or operator fail to deliver the decommissioning plan.
            Applicant Response: Pleasant Solar LLC has provided a preliminary Decommissioning Plan, which is included in this resubmittal package. The Decommissioning Plan is also addressed in the revised Special Exception Report.
            Remaining Deficiency: Address contingencies should the owner or operator fail to deliver the decommissioning plan.

5. **Article 6 – Development Standards**
   a. Section 6.2 – Tree protection and landscaping standards
      i. Ensure proposed tree barriers and proposed fencing on sheets LS-15, LS-16, LS-17, LS-19, and LS-21 do not conflict with trees proposed for preservation or planting. Refer to Section 6.2.1(D)(2) and adjust as needed.

         Applicant Response: Conflicts between fencing and protected trees have been resolved and plans have been updated.

         Remaining Deficiency: One tree to be preserved is located within the 25-foot fire access on sheet LS-16. Revise as necessary.

iv. Utility, major is categorized as a public and institutional use. Update the site landscape calculations to reflect the standards under Section 6.2.2(D)(1)(b) and provide required plantings.

Applicant Response: Site landscape calculations have been revised for public/institutional use. See revised Landscape Plans.

Remaining Deficiency: Update code reference on site landscape calculations table to 6.2.2(D)(1)(b).

b. Section 6.3 – Fencing standards

iii. Section 6.3.3, Height

2. In residential districts, any fence installed in a front yard shall be no greater than 50 percent opacity. Update the front yard fence in the residential district to be no greater than 50 percent opacity.

Applicant Response: This major utility/ solar collection facility is allowed by Special Exception in this district. The fence height requirement is regulated by the National Electrical Code (NEC).

Remaining Deficiency: Applicant's response does not address opacity requirement.

v. Section 6.3.5 prohibits chain link fences when visible from the public right-of-way or when located on any land other than land with a residential zoning designation. Black or green vinyl coated chain link are permitted when not visible from an arterial or collector roadway. Refer to section 6.3.5(A) for allowed materials.

Applicant Response: The black vinyl coated chain link fence with privacy slats is located 130 feet from the collector streets, CR 235A and Peggy Road, and is fully screened by a continuous hedge and hundreds of trees.

Remaining Deficiency: The proposed fencing will be visible from CR235A and Peggy Road at the time of installation and will potentially remain visible for multiple years as evidenced by the provided "Landscape Perspective A". Provide fencing consisting of permitted materials.

f. Section 6.9 – Environmental protection standards

i. Show wetland boundaries and provided wetland buffer areas on site plan.

Applicant Response: Buffers have been added to the site plans.

Remaining Deficiency: Buffers shown are 25 feet. The minimum required wetland buffer for a wetland under 0.5-ac in area that does not support federally and/or state regulated vertebrae wetland/aquatic dependent animal species is 35 feet with an average buffer width of 50 feet. Revise provided buffer.

Additional Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations **

1. **Article 6 – Development Standards**
   a. Section 6.2 – Tree protection and landscaping standards
      i. Per Section 6.2.1(D)(6)(a) and Section 6.2.2(D)(4), any existing canopy or understory tree proposed to count towards site landscaping or buffer requirements must be in very good to excellent health and a table displaying a list of all trees claimed for credits under this subsection shall be included in the landscape plan, including common name, botanical name, caliper at DBH, health, number of credits, and reference number to location on a tree survey as part of the landscape plan.
      ii. Sheet LS-2 does not contain the required continuous hedge per the alternative landscape plan. Provide continuous hedge.
      iii. Sheet LS-15 does not contain the required continuous hedge per the alternative landscape plan. Provide continuous hedge.
      iv. Cemetery buffer displays "Mrs. Shiller's Delight Viburnum" (VOS). Per the alternative landscape plan, provide "Sweet Viburnum" (VO).
   b. Section 6.3 – Fencing standards
      i. Fencing plan depicts a gate present on the access road to the cemetery enclave, but it has not been depicted on any other sheet or previous submittals. Clarify if this gate will be present or not.
2. **Outside Review**
   a. Review and address comments from City of Alachua Public Services dated 04/01/2024 (attached).
   b. Review and address comments from Alachua County Fire Rescue dated 03/20/2024 (attached).
3. **Miscellaneous**
   a. Provide updated proof of payment of taxes for year 2023.
   b. Review proposed conditions as part of the special exception permit.

Proposed Conditions as Part of the Special Exception Permit

1. Construction activities associated with any approval or permit issued as part of the site plan and special exception permit shall occur subject to the following:
   a. All staging areas for construction equipment, vehicles, and materials for installation must be internal to the site;
   b. Construction activities may only occur between the hours of 7:00 AM and 7:00 PM, Monday through Friday and between the hours of 9:00 AM and 7:00 PM, Saturday and Sunday;
   c. Dust and debris from construction activities must be minimized as to not spread dust and debris off-site. This may include, but is not limited to, dust control achieved through water trucks, removal of mud/soil from vehicle tires before exiting the site, and street cleaning; and,
   d. Any lighting required for construction activities must be shielded and/or directed as to not spill light to off-site areas or adjacent properties and rights-of-way. Lighting may only be used during the restricted hours of construction activities, except for minimal security lighting, which may be used outside of the restricted hours of construction only such that no disturbances or light spill to off-site areas or adjacent properties and rights-of-way occur.
2. Establishment and approval of required tree banking in lieu of on-site tree mitigation will occur as a resolution separate from the site plan and special exception permit approvals in accordance with Section 6.2.1(D)(7) of the City of Alachua Land Development Regulations. Payment of the fee for off-site tree mitigation established in the aforementioned resolution must be paid prior to the commencement of any construction activities, or the issuance of any permit, associated with any approval or permit issued as part of the site plan and special exception permit.

If you have any questions regarding the information above, please contact me at (386) 418-6137 or via email at ccrockett@cityofalachua.org. We look forward to receiving your revised application.

Sincerely,

Carson J. Crockett, AICP Candidate
Planner

Attachments:
Comments from City of Alachua Public Services 04/01/2024
Comments from Alachua County Fire Rescue 03/20/2024

CC: Kathy Winburn, Planning & Community Development Director *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Project File

City of ALACHUA
the good life community

City of Alachua

MIKE DAROZA
CITY MANAGER

RODOLFO VALLADARES, P.E.
PUBLIC SERVICES DIRECTOR

INTER-OFFICE COMMUNICATION

DATE: **Apr 03, 2024**

TO: **Kathy Winburn, AICP**
Planning & Community Development Director

FROM: **Rodolfo Valladares, P.E.**
Public Services Director
Tom Ridgik, P.E.
Engineering Supervisor

TR 4/1/2024

RE: **Pleasant Solar Site Plan**

Public Services has reviewed the subject project (March 2024 Documents) and offer the following comments. Review was specific to the Public Services Utilities.

NO.	COMMENTS
A	**Meaning of Conditional Approval** Please address the following comments. Rather than submitting a complete hard copy set, the design engineer has the option of (1) to instead forward to Public Services and Planning by email the revised pdf of this sheet. (Public Services contact is Tom Ridgik, th_ridgik@cityofalachua. org) or (2) to provide a link so Public Services and Planning can download the complete PDF set. Public Services would then review this sheet, presumably approve it and so notify the Planning Department.)
1	**Comment on Sept 12 Submittal** **Sheet C0.00** To be consistent with COA planning terminology, please change "CONSTRUCTION DOCUMENTS" to "SITE PLANS". Please **Revise & Resubmit** this sheet.

NO.	COMMENTS
	Comment on March 11 Submittal **Sheet C0.00** The above comment does not appear to have been addressed, and is repeated below: To be consistent with COA planning terminology, please change "CONSTRUCTION DOCUMENTS" to "SITE PLANS". **Conditional Approval.**
2	**Comment on Sept 12 Submittal** **Sheet IR-3** This sheet shows the meter and backflow preventer. What is the water supply? Please show more detail. Please **submit** response & **Revise & Resubmit** sheet(s) as necessary. **Comment on Mar 11 Submittal** **Sheet IR-3** This sheet shows the meter and backflow preventer. What is the water supply? Please show more detail. The Engineer's response is that a well will supply the irrigation system as shown on IR-3. But IR-3 does not appear to show the well (symbol "W" in a box). **Conditional Approval.**
END OF COMMENTS	

Please advise if you have any questions or require additional information.
cc: Justin Tabor – AICP Principal Planner
Adam Hall – AICP Principal Planner

Carson J. Crockett

From: Silver Ware <sware@alachuacounty.us>
Sent: Wednesday, March 20, 2024 12:20 PM
To: Carson J. Crockett
Subject: RE: PAT Request for Review - PSP23-0011; PSE23-0001 Pleasant Solar

Good afternoon

Plan review notes;

1 Provide a detail on the appropriate plan sheet of the Civil Plans on the construction features of the Fire Lane.

Thank you

Chip

Silver Ware
Fire Prevention Officer
Fire Rescue
911 SE 5th ST • Gainesville • FL • 32601
352-384-3121 (office) • 352-494-3140 (mobile) • 352-384-3157 (fax)

PLEASE NOTE: Florida has a very broad public records law (F.S.119).
All e-mails to and from County Officials and County Staff are kept as public records. Your e-mail communications, including your e-mail address, may be disclosed to the public and media at any time.

From: Carson J. Crockett <ca_crockett@cityofalachua.org>
Sent: Monday, March 11, 2024 8:48 AM
To: Mike Daroza <wi_daroza@cityofalachua.org>; Rodolfo Valladares <ro_valladares@cityofalachua.org>; Jeanene Carrillo <ma_carrillo@cityofalachua.org>; Kathy Winburn <ka_winburn@cityofalachua.org>; Justin Tabor <ju_tabor@cityofalachua.org>; Adam Hall <ad_hall@cityofalachua.org>; Marcus Winburn <ma_winburn@cityofalachua.org>; Ashley Spencer <as_spencer@cityofalachua.org>; Thomas Ridgik <th_ridgik@cityofalachua.org>; Eiman Abbas <ei_abbas@cityofalachua.org>; Mark Avery <ma_avery@cityofalachua.org>; Josiah A. Serravalle <jo_serravalle@cityofalachua.org>; Grafton Wilson <gr_wilson@cityofalachua.org>; Anne-Marie DiRocco <an_dirocco@cityofalachua.org>; Corey King <co_king@cityofalachua.org>; John Adler <jadler@alachuacounty.us>; Silver Ware <sware@alachuacounty.us>; 'Marian Rush' <marian@robertarushpa.com>
Subject: RE: PAT Request for Review - PSP23-0011; PSE23-0001 Pleasant Solar

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

PAT members,

The Planning & Community Development Department has received revised applications from CHW, Inc. for a site plan and special exception permit titled Pleasant Solar. (Application: PSP23-0011; PSE23-0001). The applications propose the construction of a ± 74.9 MWac solar facility on a ± 321.49-acre subject property (Tax Parcels 03894-000-000; 03898-000-000).

Project Review Schedule
Application Submitted: September 14, 2023

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

February 22, 2024

Submitted electronically to gerryd@chw-inc.com

Gerry Dedenbach, AICP, LEED AP
Vice President Infrastructure Florida
CHW, Inc.
11801 Research Dr
Alachua, Fl 32615

Application #: PLDR24-0009

RE: LDR Administrator Interpretation: Land Development Regulations Text – Application of Section 4.3.2(I)(3)(b) of the LDRs for Pleasant Solar Site Plan & Special Exception Permit Applications.

Dear Mr. Dedenbach,

On February 15, 2024 the City of Alachua received your application for an Interpretation by the Land Development Regulation (LDR) Administrator pursuant to Section 2.4.19 of the City's LDRs. This application requests an interpretation of the text of the LDRs by the LDR Administrator. Specifically, it requests an interpretation of the application of Section 4.3.2(I)(3)(b) of the LDRs with respect to the Pleasant Solar Site Plan and Special Exception Permit applications.

The Pleasant Solar applications propose the construction of a ± 74.9 MWac solar facility located in the Agricultural (A) and Residential Single Family-4 (RSF-4) zoning districts on a ± 321.49-acre subject property (tax parcel 03894-000-000; 03898-000-000).

Article 10 of the LDRs identifies major utilities as "infrastructure services providing regional or communitywide service that normally entail the construction of new buildings or structures such as water towers, waste treatment plants, potable water treatment plants, solid waste facilities, electrical substations, and park-and-ride facilities". The proposed solar facility would provide regional or communitywide services and entails the construction of new structures (the panels).

Article 4 establishes use specific standards for certain uses, with Section 4.3.2(I)(3) establishing use specific standards for major utilities, including "an electrical power facility, substation, or transmission station". Section 4.3.2(I)(3) states:

(3) *Utility, major.* An electrical power facility, substation, or transmission station shall comply with the following standards:

(a) *Location.* Be within reasonable proximity of the area to be served by the facility.
(b) *Setback.* Be set back a minimum of 100 feet from property lines and buffered to ensure it does not have an adverse impact on surrounding uses.
(c) *Compatibility.* Provide adequate setbacks, screening and buffering around the perimeter of the proposed use if it is deemed necessary to ensure land use compatibility with surrounding uses.

The applicant contends that Section 4.3.2(I)(3)(b) does not apply to interior property lines/enclaves under different ownership. "The graveyard is an area internal to the overall project site and not 'surrounding lands' as referenced". Instead, the applicant proposes a 25-foot setback from the interior property lines surrounding tax parcel 03894-002-000, which contains a small, family cemetery plot. The applicant demonstrated that with the proposed 25-foot setback, the buffer distance from the setback to the edge of the cemetery is a minimum of 100-feet. The applicant contends that the 100-foot separation, but only a 25-foot setback, will sufficiently meet the spirit and intent of Section 4.3.2(I)(3)(b). The applicant is "requesting [the] imposition of a site-specific condition to ensure the appropriateness of the use at [this] particular location".

Upon reviewing the LDR interpretation request and the associated conceptual materials, the LDR Administrator hereby finds that **the requirements of Section 4.3.2(I)(3)(b) are met by providing a minimum 100' buffer from the existing "4' CHAIN LINK FENCE FOR GRAVEYRAD" as shown on the attached 'Exhibit A'**, originally provided as part of the application. This approval does not eliminate the requirement to comply with all other applicable provisions of the City's LDRs, including but not limited to Sections 2.4.4, 2.4.9, 4.3.2(I)(3), and 6.2. *Include this letter in all future submissions of the Pleasant Solar Site Plan and Special Exception Applications. Reference this letter when calling out the required setbacks of the buffer area on site plans and other related documents associated with the applications.*

If you have any questions related to this interpretation, please contact the Planning & Community Development Department at 386-418-6121.

Sincerely,

Mike DaRoza
City Manager / LDR Administrator

Attachments: Exhibit A

cc: Kathy Winburn, Planning & Community Development Director *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
Carson J. Crockett, AICP Candidate, Planner *(by electronic mail)*
Project File

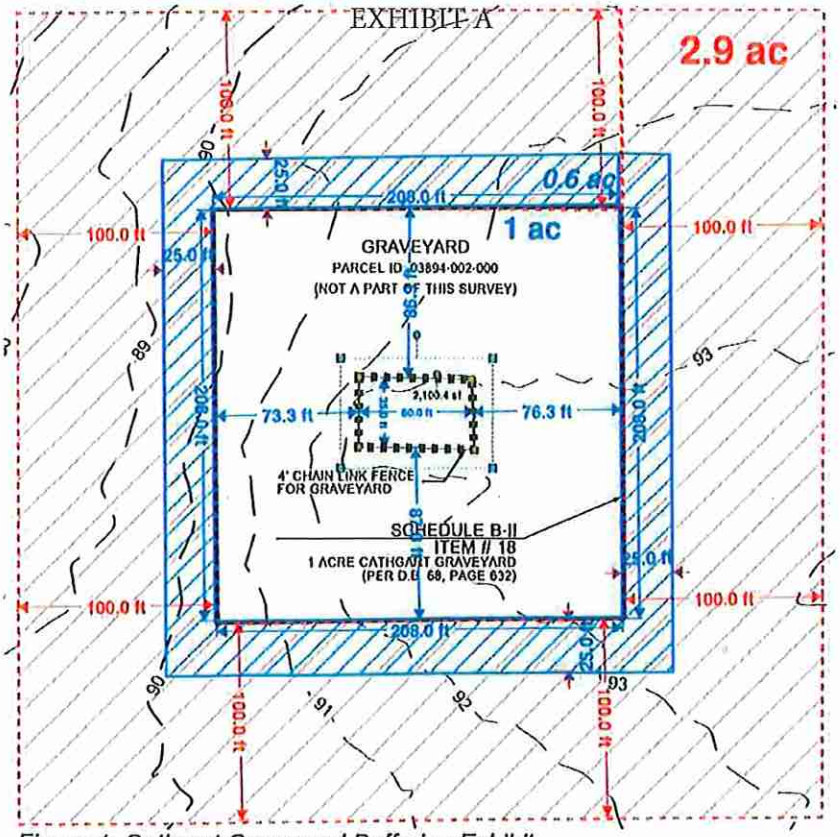


Figure 1: Cathcart Graveyard Buffering Exhibit

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

October 19, 2023

Submitted electronically to travish@chw-inc.com

Travis Hastay, P.E.
Senior Project Manager
Causseaux, Hewett, & Walpole, Inc.
11801 Research Dr
Alachua, Fl 32615

RE: Project Assistance Team (PAT) Comments for Pleasant Solar Site Plan and Special Exception Permit applications

Dear Mr. Hastay:

On September 25, 2023 the City of Alachua received your revised site plan application for the Pleasant Solar project, which proposes the construction of a ±74.9 MWac solar facility containing approximately ±248,921 square feet of impervious area with associated site improvements on a ±321.49 acre subject property (Tax Parcels 03894-000-000 and 03898-000-000). This letter addresses both the Pleasant Solar Site Plan and Special Exception Permit applications.

The applications have been reviewed by the City's Planning Assistance Team (PAT). Upon review of the applications and materials, the following insufficiencies must be addressed. A meeting is scheduled for 4:00 PM on Tuesday, October 24, 2023 to review these comments.

Please address all insufficiencies in writing and provide an indication as to how they have been addressed by 5:00 PM on Monday, November 13, 2023. A total of four (4) copies of the application package, plans, and a digital copy of all materials in PDF format on a CD or sent by emailing a Cloud / FTP link must be provided by this date. Upon receipt of your revised applications, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the PZB. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time.

Address the following insufficiencies:

Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations **

1. Comprehensive Plan Consistency Analysis
   a. Community Facilities Element
      i. The site is located in a karst sensitive area. Analyze the project in relation to the applicable policies under Objective 3.5.
   b. Conservation and Open Space Element
      i. Evaluate the project in relation to Policy 1.2.j, which requires all new development to maintain internal and external connectivity of all open and natural space to the maximum extent practicable.
      ii. Policy 1.8.a applies the Alachua County Hazardous Materials Management Code. Provide an analysis of the project in relation to the Alachua County Hazardous Materials Management Code at all points of the project's life span (construction, use, and decommissioning).
2. Concurrency Impact Analysis
   a. The irrigation plan does not depict a water source. Revise concurrency impact analysis if necessary once a water source is provided.
3. Article 2 - Administration
   a. Section 2.4.4 - Special exception permit
      i. Section 2.4.4 (D)(1) requires the proposed special exception comply with all specific use standards. Refer to the applicable specific use standards in Section 4.3.2 (I)(3). Comply with all standards.
      ii. Section 2.4.4 (D)(3), *Design minimizes adverse impacts*
         1. Provide Staff a landscape viewshed looking from the peak of CR-235A towards the site to help determine the extent of any adverse impacts.
         2. The special exception justification report does not address adverse impacts as part of the construction process. Address the construction process, including proposed access to the site, proposed staging areas, proposed hours of construction, anticipated timeline, and anticipated noise, lighting, and odors.
      iii. Provide landscaping as part of the buffer area surrounding the cemetery enclave to limit adverse impacts. See comment 5.a.vi.
      iv. Section 2.4.4 (D)(4), *Design minimizes environmental impacts*
         1. Wildlife corridors were discussed during pre-application meetings with Staff; however, none are proposed. Neighborhood meeting documents claim these corridors to be infeasible. Neighborhood meeting documents also infer that a six-inch gap would be left under any fencing for accessibility of small wildlife. Provide a narrative addressing this comment and providing clarification.
         2. The application materials refer to the ability to restore the site to natural conditions at the end of the project lifespan (20-40 years). Provide a preliminary decommissioning plan with more specific information such as contact information for all parties involved, any recycling of PV modules or other components, handling of potentially hazardous waste, conditions under which decommissioning will take place, time period of decommissioning, scope of work, the responsibilities of all parties involved, and contingencies should the owner or operator fail to deliver the decommissioning plan.

4. Article 4 – Use Specific Standards
   a. Section 4.3.2 (I)(3)(b) requires a 100-foot setback from property lines. These setbacks apply to all property lines, including the cemetery enclave. Provide 100-foot setback and buffer around the cemetery.
5. Article 6 – Development Standards
   a. Section 6.2 – Tree protection and landscaping standards
      i. Ensure proposed tree barriers and proposed fencing on sheets LS-15, LS-16, LS-17, LS-19, and LS-21 do not conflict with trees proposed for preservation or planting. Refer to Section 6.2.1 (D)(2) and adjust as needed.
      ii. Section 6.2.1 (D)(7), *Tree banking*, establishes the formula for off-site mitigation fees. After referencing recently adopted off-site mitigation fees, Staff advises that the applicant's estimate is significantly below the typical fee per tree. Note, final determination is by the City Commission through resolution.
      iii. Include required note from Section 6.2.1 (G)(1)(c).
      iv. *Utility, major* is categorized as a public and institutional use. Update the site landscape calculations to reflect the standards under Section 6.2.2 (D)(1)(b) and provide required plantings.
      v. Site landscape calculations should be completed using the total site area. Refer to Section 6.2.2 (D)(10), *Alternative landscape plan*, and submit the appropriate request or complete calculations using the total site area.
      vi. Section 6.2.2 (D)(3), *Perimeter Buffers*
         1. The site is not a typical, four-sided site. Update perimeter buffer landscape requirements table to reflect all required buffers by stretch of site perimeter
         2. Provide required 15-foot, Type-D buffer around the southern outcrop surrounding adjacent single-family development (Table 6.2-2).
         3. Provide required 10-foot, Type-D buffer around the cemetery enclave (Table 6.2-2).
      vii. Include required note on irrigation plan from Section 6.2.2 (D)(7)(b)(vi).
      viii. Irrigation plan does not encompass all proposed plantings. Refer to Section 6.2.2 (D)(7)(b)(vi), *Efficient irrigation*.
      ix. Landscape plan cites the Alachua County Land Development Code in the irrigation notes. Remove any nonapplicable notes and replace with applicable City of Alachua Land Development Regulation notes.
      x. Note, Alachua County Environmental Protection Department (EPD) requires the review and approval of all new commercial automatic irrigation systems. It is recommended that the applicant contact Alachua County EPD to coordinate this review and approval. Additional information is available at: https://alachuacounty.us/Depts/epd/WaterResources/WaterConservation/Pages/Irrigation-Efficiency-Design-and-Maintenance-Code.aspx
   b. Section 6.3 – Fencing standards
      i. Section 6.3.1 (A)(2) requires the submission of a fencing plan with an application for a site plan. Staff is requesting a standalone fencing plan separate from the landscape plan, depicting greater detail due to the special exception and the nature and scale of the proposed fencing. Provide fencing plan.

ii. Section 6.3.1 (A)(3), *Exemption for security plan*, is only applicable to fence heights in the business districts. The site is located within residential and agricultural districts.
    1. Provide the full and exact language of cited Rule 110A, Enclosure of equipment, of the NESC. See Building Official's comments.
iii. Section 6.3.3, *Height*
    1. Requested deviation noted. At this time, the proposed fence is still considered to not comply with the height requirement for front yards in residential districts of four feet.
    2. In residential districts, any fence installed in a front yard shall be no greater than 50 percent opacity. Update the front yard fence in the residential district to be no greater than 50 percent opaque.
iv. Section 6.3.4 limits the maximum length of unbroken perimeter wall plane to 200 feet. Breaks may be achieved by two-foot depth changes, measured perpendicular to the street, and at least two feet in length. Provide breaks.
v. Section 6.3.5 prohibits chain link fences when visible from the public right-of-way or when located on any land other than land with a residential zoning designation. Black or green vinyl coated chain link are permitted when not visible from an arterial or collector roadway. Refer to Section 6.3.5 (A) for allowed materials.
vi. Provide typical fence detail, in color.
vii. Show proposed gates on fencing plan. Provide gate details, in color.
viii. Show any proposed signage that may be secured or attached to fencing on fencing plan.
ix. Adjust fencing shown on sheets C1.26 and LS-9 to ensure proper access is maintained to the cemetery site. See comment 7.b.
x. Neighborhood meeting documents show concerns about the aesthetic of fencing provided and a response from the applicant citing that the fencing choices were still being evaluated. Readdress this comment to the Planning and Community Development Department. Provide a narrative explaining the final choice of fencing materials and design. Include reasoning for not updating the design to address aesthetics or provide an updated aesthetic/design to resolve the comments and increase compatibility with surrounding lands.
xi. Applicant noted themselves as amenable to exploring wildlife friendly fencing in pre-application meetings with Staff and in neighborhood meetings. Provide wildlife friendly fencing or provide narrative explaining the infeasibility of wildlife friendly fencing.

c. Section 6.4 – Exterior lighting standards
    i. Correspondence dated September 25, 2023, notes no proposed lighting. The provided special exception justification report notes minimal safety lighting at the on-site inverters. Clarify the nature of the minimal safety lighting and provide details of the proposed lighting fixtures.
    ii. Note, Staff may deem a photometric plan necessary dependent on the applicant's response to the previous comment (comment 5.d.i).
d. Section 6.5 – Signage
    i. The provided special exception justification report notes one business identification sign at the main ingress/egress. Clarify the nature of this sign and show on plans if necessary. Show any additional proposed signage on site plan.

e. Section 6.6 – Infill standards
   i. Section 6.6.3 (A) establishes residential protection standards for any nonresidential development located within 500 feet of any residential district or adjacent to an existing residential single-family or two-family development. Provide an analysis of the residential protection standards from Section 6.6.3 as applicable to the project and possible adverse impacts of the project on neighboring residents.
f. Section 6.9 – Environmental protection standards
   i. Show wetland boundaries and provided wetland buffer areas on site plan.

6. Outside Review
   a. Review and address comments from outside reviewer dated October 18, 2023 (attached).
   b. Review and address comments from City of Alachua Public Services dated October 12, 2023 (attached).
   c. Review and address comments from City of Alachua Building Official dated October 4, 2023 (attached).
   d. Consult directly with Alachua County Fire Rescue regarding an emergency action plan and additional fire protection requirements. Provide a copy of correspondence.
7. Miscellaneous
   a. Provide a copy of the title commitment dated dated March 1, 2022 referenced on sheet C0.00 to City of Alachua Compliance and Risk Management.
   b. Review Florida Statute 704.08, Cemeteries; right of ingress and egress for visiting or maintenance. Ensure access to required parties is maintained at reasonable times and in a reasonable manner.
   c. Pre-application meetings with Staff involved the discussion of an already completed glinting and/or glare analysis. Provide glinting and/or glare analysis.
   d. Provide typical inverter and transformer skid detail.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1606 or via e-mail at ca_crockett@cityofalachua.org. We look forward to receiving your revised application.

Sincerely,

Carson J. Crockett
Planner

Attachments: Comments from outside reviewer - 10/18/2023 (eda consultants, inc.)
Comments from City of Alachua Public Services – 10/12/2023 (Inter-Office Communication)
Comments from City of Alachua Building Official – 10/04/2023

cc: Mike DaRoza, City Manager *(by electronic mail)*
Marian B. Rush, City Attorney *(by electronic mail)*
Kathy Winburn, AICP, Planning & Community Development Director *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
Project File

October 18, 2023

Adam Hall, AICP Principal Planner
Office of Planning and Community Development
ahall@cityofalachua.com | 386-418-6100 ext. 1603
City of Alachua, Florida.

Ref: Pleasant Solar, LLC

Dear Mr. Hall:

The following are our comments for the submittal of Pleasant Solar, LLC.

1. **General comments:**
    a. Plans shall be signed and sealed, and the name of the engineering company should be included in the plans.
    b. Provide storm routing analysis for the proposed swales.

2. **Sheet C0.00:**
    1. Plans need to be signed and sealed.

3. **Several plans:**
    1. Callouts for the Silt Fence are needed.

4. **Sheet C2.00:**
    1. The Pre-Development drainage areas are shown, but not the Post Development drainage areas. Will the roadways change drainage areas? Please clarify.
    2. Is there any proposed grading for the roads? If so, it needs to be shown.

5. **Sheet C2.11:**
    1. Silt Fencing or some kind of Sediment Control must be installed around the swales per Notes Section 5(B) on sheet C0.20.
    2. Show the post development drainage area(s) connected to the proposed swale.

6. **Sheet C2.12:**
    1. Why does one of the hammerhead ends of the proposed access road have swales and the rest do not?

7. **Sheet C2.13:**

1. Silt Fencing or some kind of Sediment Control must be installed around the swales per Notes Section 5(B) on sheet C0.20.
2. Show the post development drainage area(s) connected to the proposed swale.

Please do not hesitate to contact me if you have any questions/comments.

Sincerely,

Digitally signed by Claudia Vega, P.E.
DN: cn=Claudia Vega, P.E., o, ou, email=cvega@edafl.com, c=US
Date: 2023.10.19 09:05:47 -04'00'

Claudia S. Vega, P.E.
Director of Engineering
cvega@edafl.com

City of
ALACHUA
the good life community

City of Alachua

MIKE DAROZA
CITY MANAGER

RODOLFO VALLADARES, P.E.
PUBLIC SERVICES DIRECTOR

INTER-OFFICE COMMUNICATION

DATE: Oct 12, 2023

TO: **Kathy Winburn, AICP**
Planning & Community Development Director

FROM: **Rodolfo Valladares, P.E.**
Public Services Director
Tom Ridgik, P.E.
Engineering Supervisor

TR 10/2/2023

RE: **Pleasant Solar Site Plan**

Public Services has reviewed the subject project (Sept 2023 Documents) and offer the following comments. Review was specific to the Public Services Utilities.

NO.	COMMENTS
1	**Comment on Sept 12 Submittal** **Sheet C0.00** To be consistent with COA planning terminology, please change "CONSTRUCTION DOCUMENTS" to "SITE PLANS". Please **Revise & Resubmit** this sheet.
2	**Comment on Sept 12 Submittal** **Sheet IR-3** This sheet shows the meter and backflow preventer. What is the water supply? Please show more detail. Please **submit** response & **Revise & Resubmit** sheet(s) as necessary.

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

Permit Number: N/A

Review Date: 10/04/2023

Applicant/Contractor: Pleasant Solar

Project Address: 03894-000-000 and 03898-000-000.

☐ **APPROVED WITH CONDITIONS**
☐ **REVISE AND RESUBMIT**
☐ **DENIED, FOR REASONS STATED BELOW**

The City of Alachua Building Department has reviewed the referenced Permit Application for compliance with applicable standards and regulations, including but not limited to standards and regulations within the City's Comprehensive Plan, Land Development Regulations (LDRs), Code of Ordinances, and Florida Building code. The following comments and/or conditions are provided:

COMMENTS / CONDITIONS:

1) **Cover sheet lists permitting through Alachua county and Duke energy. This project is within the city limits of Alachua and permit will be though City of Alachua Building department. Please verify the electric utility is Duke as I understood it was Clay electric.**

2) **On the special exception report sheet #8 you speak of Rule 110 of the NESC. Being this project is not under the exclusive control of an electric utility or on property owned or leased by the utility I don't see how NESC code is governing this project. Please clarify as the National Electric Code (NEC) and Florida Building Code (FBC) should be the only codes being used for this project. (2017 NEC) Article 90.2.**

Thank you.

Reviewed by: Date: 10/04/2023

Tim Hunt
Building Official, Flood plain manager

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

September 21, 2023

Sent by electronic mail to travish@chw-inc.com

Travis Hastay, P.E.
Causseaux, Hewett, & Walpole, Inc.
11801 Research Drive
Alachua, FL 32615

RE: Second Completeness Review: Pleasant Solar Special Exception Permit Application

Dear Mr. Hastay:

On September 21, 2023, the City of Alachua received your revised application for a Special Exception Permit submitted on behalf of Pleasant Solar LLC for the Pleasant Solar project. The application addresses the corresponding Site Plan application proposing the construction of a total ±75 MWac solar facility with ±248,921 sqft of associated site improvements on a ±321.49 ac subject property, consisting of Alachua County Tax Parcels 03894-000-000 and 03898-000-000.

According to Section 2.2.6 of the Land Development Regulations (LDRs), upon receipt of an application, a completeness review shall be conducted to determine that the application contains all the necessary information and materials, is in proper form and of sufficient detail, and is accompanied by the appropriate fee. The Planning Department has reviewed the aforementioned application for completeness and finds that the application is complete.

These findings are based solely on a preliminary review of your application for completeness. An in-depth review of the content of the application will be performed, and the findings of the in-depth review will be provided to you under separate cover.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1606 or via e-mail at ca_crockett@cityofalachua.org.

Sincerely,

Carson J. Crockett
Planner

cc: Kathy Winburn, AICP, Planning & Community Development Director *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
File

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

September 20, 2023

Sent by electronic mail to travish@chw-inc.com

Travis Hastay, P.E.
Causseaux, Hewett, & Walpole, Inc.
11801 Research Drive
Alachua, FL 32615

RE: Completeness Review: Pleasant Solar Special Exception Permit Application

Dear Mr. Hastay:

On September 14, 2023, the City of Alachua received your application for a Special Exception Permit submitted on behalf of Pleasant Solar LLC for the Pleasant Solar project. The application addresses the corresponding Site Plan application proposing the construction of a total ±75 MWac solar facility with ±248,921 sqft of associated site improvements on a ±321.49 ac subject property, consisting of Alachua County Tax Parcels 03894-000-000 and 03898-000-000.

According to Section 2.2.6 of the Land Development Regulations (LDRs), upon receipt of an application, a completeness review shall be conducted to determine that the application contains all the necessary information and materials, is in proper form and of sufficient detail, and is accompanied by the appropriate fee. The Planning Department has reviewed the aforementioned application for completeness and finds that the application is incomplete. The following information is needed to begin the review of the application.

The comments below are based solely on a preliminary review of your application for completeness. An in-depth review of the content of the application will be performed, and the findings of the in-depth review will be provided to you under separate cover.

Please address the following:

1. Provide one set of supporting application materials for the Special Exception Permit application, including:
    a. Authorized Agent Affidavit (if applicable).
    b. Analysis of compliance with the Standards for a Special Exception.
    c. Two sets of mailing labels for all property owners within 400 feet of the subject property boundaries – even if property within 400 feet falls outside of City limits.
    d. Neighborhood meeting materials.
    e. Map of the subject property and surrounding area with zoning.
    f. Legal description with tax parcel number.
    g. Proof of ownership.
    h. Proof of payment of taxes.

In accordance with Section 2.2.6 (B) of the LDRs, the applicant must correct the deficiencies and resubmit the application for completeness determination. *Plans and application materials may be made available for return in order to revise and resubmit as needed.*

The time frame and cycle for review shall be based upon the date the application is determined to be complete. If the applicant fails to respond to the identified deficiencies within forty-five (45) calendar days (Monday, November 6, 2023), the application shall be considered withdrawn.

Please note that if an additional completeness review is required, a resubmittal fee equal to 10% of the application fee will be assessed for each additional completeness review and must be paid prior to further review of the application.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1606 or via e-mail at ca_crockett@cityofalachua.org.

Sincerely,

Carson J. Crockett
Planner

cc: Kathy Winburn, AICP, Planning & Community Development Director *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
File

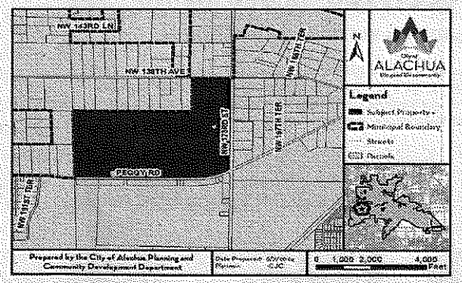
REALTY

City of ALACHUA

NOTICE OF PUBLIC HEARING BEFORE THE PLANNING AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

Notice is hereby given that the Planning and Zoning Board of the City of Alachua will hold a public hearing on June 11, 2024 at 6:00 p.m. The hearing will be held in the James A. Lewis Commission Chambers in City Hall, located 15100 NW 142nd Terrace, Alachua, Florida, to consider the following:

A request by Tavis Hastay, P.E. of Causseaux, Hewett, & Walpole, LLC, applicant, on behalf of Waco Properties, Inc.; Gary D. Brown Revocable Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; and Henderson Brothers, Inc., property owners, for consideration of a special exception permit to allow a major utility (solar facility) within the Agricultural (A) and Residential Single Family District-4 (RSF-4) zone districts on a ± 321.49-acre subject property located at 17920 Peggy Road (tax parcel: 03894-000-000; 03898-000-000). FLUM: Agriculture; Moderate Density Residential. ZONING: Agricultural (A); Residential Single Family District-4 (RSF-4).



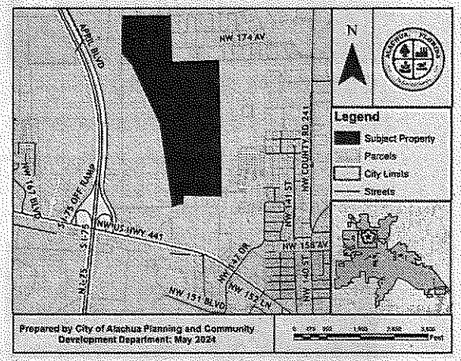
At the public hearing, all interested parties may appear and be heard with respect to the application. Copies of the application are available for public inspection at the Planning and Community Development Department, 15100 NW 142nd Terrace, Alachua, Florida, on any regular business day between the hours of 7:30 a.m. to 6:00 p.m. Written comments on the application may be sent to the following address: City of Alachua, Planning and Community Development, P.O. Box 9, Alachua, FL, 32616. Notice is given pursuant to Section 286.0105, Florida Statutes, that, in order to appeal and decision made at the public hearing, you will need a record of the proceedings, and that, for such purpose, you may need to ensure that a verbatim record of the proceedings is made, which includes the testimony and evidence upon which the appeal is to be based. In accordance with the Americans with Disabilities Act, any persons with a disability requiring reasonable accommodation in order to participate in this meeting should call the City Clerk at (386) 418-6100 x 1501 at least 48 hours prior to the public hearing.

(Published: Alachua County Today - May 30, 2024)

City of ALACHUA

NOTICE OF PUBLIC HEARING BEFORE THE PLANNING AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

Notice is hereby given that the Planning & Zoning Board of the City of Alachua will hold a public hearing on June 11, 2024, at 6:00 p.m. The hearing will be held in the James A. Lewis Commission Chambers in City Hall, located at 15100 NW 142nd Terrace, Alachua, Florida, to consider the following: A request by Logan B. Peters, P.E., of JBrown Professional Group, Inc., applicant and agent for Tara Forest, LLC, property owner, for consideration of the Preliminary Plat for the Tara Forest West subdivision, which proposes the subdivision of a ±198.39 acre property into a total of 523 single family lots, with associated common areas and right-of-way. The subject property is generally located north of US 441 and west of NW 147th Drive; Portions of Tax Parcel Numbers 03008-000-000 and 03067-001-000; Future Land Use Map (FLUM) Designations: Moderate Density Residential, and Recreation; Zoning: Residential Single Family -4 (RSF-4), and Agricultural (A).



At the public hearing, all interested parties may appear and be heard with respect to the application. Copies of the application are available for public inspection at the Planning and Community Development Department, 15100 NW 142nd Terrace, Alachua, Florida, on any regular business day between the hours of 7:30 a.m. to 6:00 p.m. Written comments on the application may be sent to the following address: City of Alachua, Planning and Community Development, P.O. Box 9, Alachua, FL 32616. Notice is given pursuant to Section 286.0105, Florida Statutes, that, in order to appeal any decision made at the public hearing, you will need a record of the proceedings, and that, for such purpose, you may need to ensure that a verbatim record of the proceedings is made, which includes the testimony and evidence upon which the appeal is to be based. In accordance with the Americans with Disabilities Act, any persons with a disability requiring reasonable accommodation in order to participate in this meeting should call the City Clerk at (386) 418-6100 x 1501 at least 48 hours prior to the public hearing.

(Published: Alachua County Today - May 30, 2024)

Transportation, Inc. at (352) 375-2784, no later than 72 hours prior to the proceedings. If hearing impaired, call the Florida Relay System at (800) 955-8770.

(Published: Alachua County Today - May 30, 2024)

City of ALACHUA

NOTICE OF PUBLIC HEARING BEFORE THE PLANNING AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

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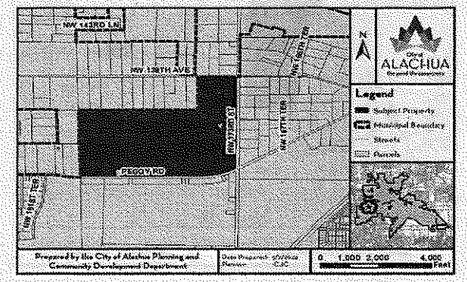
A request by Tavis Hastay, P.E. of Causseaux, Hewett, & Walpole, LLC, applicant, on behalf of Waco Properties, Inc.; Gary D. Brown Revocable Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; and Henderson Brothers, Inc.; property owners, for consideration of a site plan to construct a ± 74.9 MWac solar facility with associated site improvements on a ± 321.49-acre subject property located at 17920 Peggy Road (tax parcel: 03894-000-000; 03898-000-000). FLUM: Agriculture; Moderate Density Residential. ZONING: Agricultural (A); Residential Single Family District-4 (RSF-4).



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(Published: Alachua County Today - May 30, 2024)

03903-001-005
PITTMON & WRIGHT W/H
PO BOX 661
ALACHUA, FL 32616

MAILED
MAY 29 2024

03884-000-000
HORTON & HORTON TRUSTEES
19005 NW 138TH AVE
ALACHUA, FL 32615-8005

03985-043-000
LEMIEUX KYLA
17327 PEGGY RD
ALACHUA, FL 32615

03903-030-006
MOTA MARCELO
13331 NW 173RD ST
ALACHUA, FL 32615

03903-001-003
WEFLEN TIMAEUS CLARK & CHERYL LYNNE
13139 NW 173RD ST
ALACHUA, FL 32615

City of
ALACHUA
the good life community

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

NOTICE OF PUBLIC HEARING BEFORE THE PLANNING AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

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City of Alachua
"The Good Life Community"
PO Box 9
Alachua, Florida 32616-0009

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ALACHUA, FL 32615

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By

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13331 NW 173RD ST
ALACHUA, FL 32615

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City of ALACHUA
the good life community

MAILED
MAY 2 3 2024

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

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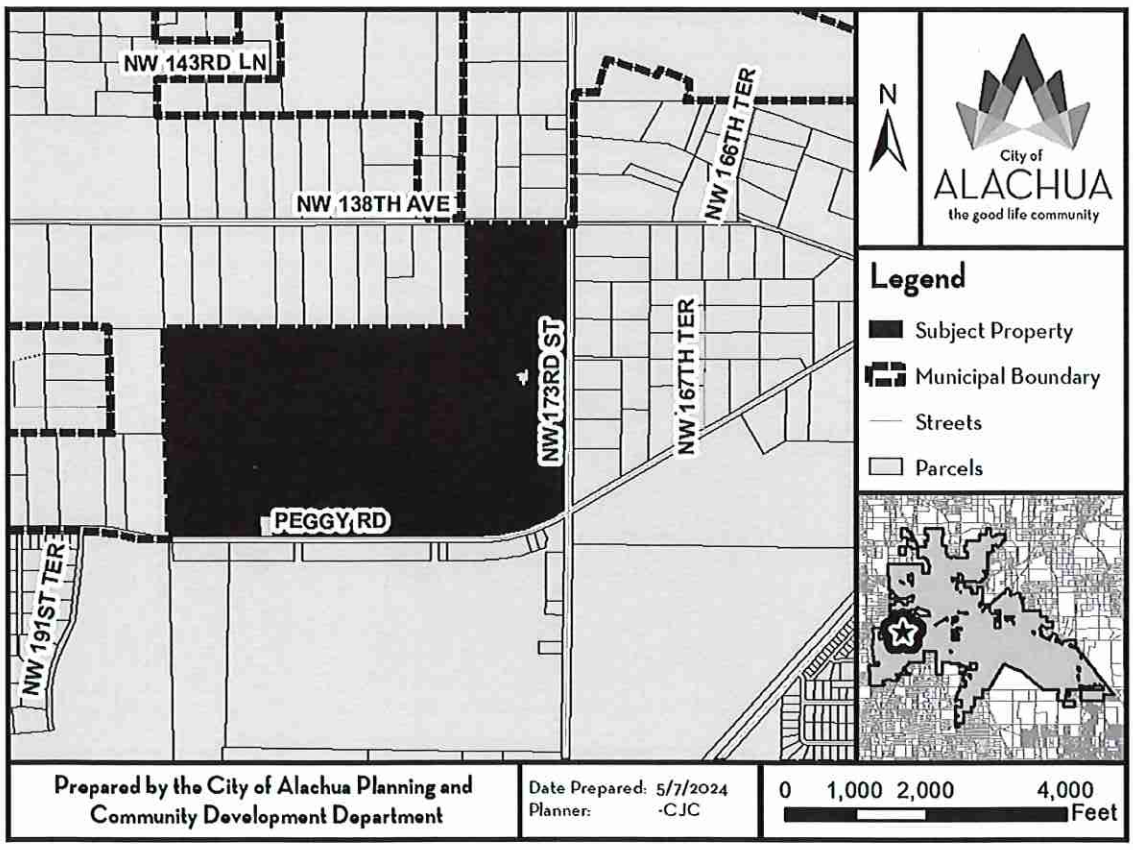

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AVERY 5960

Easy Peel Address Labels

Go to avery.com/templates

03864-025-001
VAN DEN BOSCH RICHARD &
NADINE M
17118 NW 138TH AVE
ALACHUA, FL 32615

03896-006-000
HILL MICHAEL ALLEN & YVONNE
17756 NW 138TH AVE
ALACHUA, FL 32615

03897-000-000
CLAY ELECTRIC CO-OP INC
PO BOX 308
KEYSTONE HEIGHTS, FL 32656

03900-010-002
MIESCH THOMAS C & BARBARA
130 ARAPAHO TRAIL
CRESTVIEW, FL 32536

03903-030-002
RIZZO III & RIZZO TRUSTEES
13505 NW 173RD ST
ALACHUA, FL 32615

03985-043-000
ROSS & ROSS & ROSS
17327 PEGGY RD
ALACHUA, FL 32615

03894-002-000
CEMETERY
GENERAL DELIVERY
GAINESVILLE, FL 32601

03903-030-003
PRICE TIMOTHY C
13415 NW 173RD ST
ALACHUA, FL 32615

03903-030-006
DONO DHURATA
13331 NW 173RD ST
ALACHUA, FL 32615

03894-000-000
WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

03896-006-004
BLUE BIRD HILL
FARM LLC
PO BOX 1496
ALACHUA, FL 32616

03898-000-000
ALSPAUGH & BROWN TRUSTEE & HEND
% HIMMELRICH AND COMPANY
898 SW 21ST ST
BOCA RATON, FL 33486

03903-001-006
BROWN JAMES RANDALL & KAREN
13151 NW 173RD ST
ALACHUA, FL 32615

03896-003-001
EMERSON JAMES E & GAIL D
PO BOX 1496
ALACHUA, FL 32616

03896-013-000
SMITH JUSTIN W & KELLY D
803 CEDAR KNOLL DR NORTH
LAKELAND, FL 33809

03900-010-001
OSWALT LUTHER E TRUSTEE
17705 NW 138TH AVE
ALACHUA, FL 32615

03903-030-001
PARRISH CHRISTOPHER
17127 NW 138TH AVE
ALACHUA, FL 32615

03884-000-000
HORTON MELVIN JAY & LYNN R
19005 NW 138TH AVE
ALACHUA, FL 32615

03893-001-000
BLAKE EVELYN
18416 PEGGY RD
ALACHUA, FL 32615

03900-010-006
HARRINGTON JAMES T III
2600 NW 111TH ST
MIAMI, FL 33167

03900-010-010
DELGADO & MILLER H/W
18509 NW 138TH AVE
ALACHUA, FL 32615

03903-001-003
BOGLE TIMOTHY A & JENNIFER
13139 NW 173RD ST
ALACHUA, FL 32615

03886-002-000
SHIVERS JAMES DANIEL TRUSTEE
PO BOX1034
ALACHUA, FL 32615

03900-010-004
PURVIS CHARLES GLENN
14909 NW 107TH TER
ALACHUA, FL 32615

03900-010-011
BATTE JUSTIN & CANDACE
434 NW 134th WAY 2-102
NEWBERRY, FL 32669

03903-001-004
ARIFF ROBYN JILL
13207 NW 173RD ST
ALACHUA, FL 32615

03892-002-000
GRAHAM & GRAHAM & ROSEGGER
518 HUNTERS RUN BLVD
LAKELAND, FL 33809

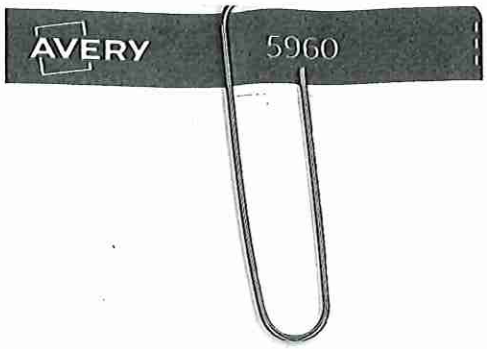
03905-002-001
BAUGHSE COOPERATIVE INC
SYSCO CORPORATION
ATTN: TAX DEPARTMENT
1390 ENCLAVE
HOUSTON, TX 77077

MAILED
MAY 23 2024

Pat. avery.com/patents

Étiquettes d'adresse Easy Peel

Allez à avery.ca/gabarits



Easy Peel Address Labels
Go to avery.com/templates

Michele L. Lieberman
County Manager
12 SE 1st Street
Gainesville, FL 32601

Antoinette Endelicato
5562 NW 93rd Avenue
Gainesville, FL 32653

Linda Dixon, AICP
Assistant Director Planning
PO Box 115050
Gainesville, FL 32611

Tamara Robbins
PO Box 2317
Alachua, FL 32616

Lynda Coon
7216 NW 126 Avenue
Alachua, FL 32615

Joseph & Phyllis Strickland
14103 NW 156th Place
Alachua, FL 32615

Jean Calderwood
14095 NW 174th Ave
Alachua, FL 32615

Lynn Horton
19005 NW 138th Avenue
Alachua, FL 32615

MAILED
MAY 23 2024

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Étiquettes d'adresse Easy Peel
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Go to avery.com/templates
Use Avery template 5160

03900-010-005
PURVIS WALLACE RAY JR
1441 PALI HWY
HONOLULU, HI 96813

03903-001-000
NATION JAMES L & DOROTHY C
PO BOX 352
ALACHUA, FL 32615

03983-002-000
DOLGENCORP LLC
DOLLAR GENERAL # 96800 #1635
100 MISSION RIDGE
GOODLETTSVILLE, TN 37072

03905-002-001
BAUGHSE COOPERATIVE INC
SYSCO CORPORATION
ATTN: TAX DEPARTMENT
1390 ENCLAVE
HOUSTON, TX 77077

MAILED
MAY 23 2024

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Utilisez le Gabarit Avery 5160

RECEIVED
MAY 22 2024
BY:

AFFIDAVIT FOR POSTED LAND USE SIGN

I, Bret Barker, POSTED THE LAND USE SIGN(S)
(Print Name)

ON 5/22/24 FOR THE Pleasant Solar Special Exception Permit Application
(Date) (Project name & type of action)

LAND USE ACTION AS PER ARTICLE 2.2.9(D) OF THE LAND DEVELOPMENT

REGULATIONS. THIS WILL BE INCLUDED IN THE STAFF REPORT.

(Signature)

11 (Eleven)
(Number of signs)

NOTICE OF PUBLIC HEARING BEFORE THE PLANNING AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

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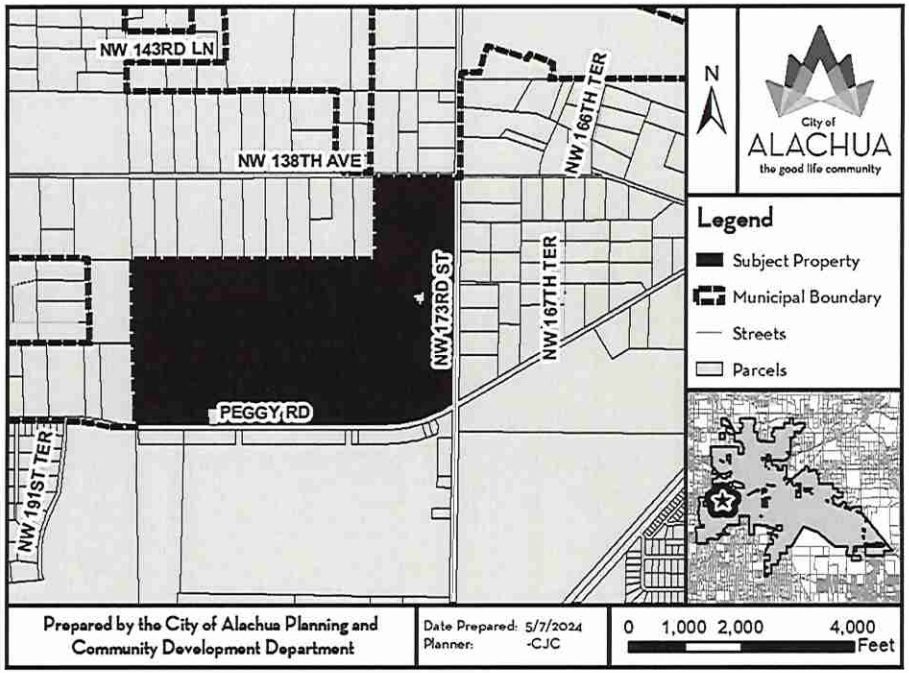

June 11, 2024 @ 6:00 PM

RECEIVED
MAY 22 2024
BY:

City of ALACHUA

THE GOOD LIFE COMMUNITY

FOR PLANNING USE ONLY
Case #: _____
Application Fee: $_____
Filing Date: _____
Acceptance Date: _____
Review Type: P&Z; CC

Special Exception Permit Application

Reference City of Alachua Land Development Regulations Article 2.4.4

A. PROJECT

1. Project Name: Pleasant Solar LLC
2. Address of Subject Property: TBD
3. Parcel ID Number(s): 03894-000-000 and 03898-000-000
4. Existing Use of Property: Agriculture/Pasture
5. Future Land Use Map Designation : Agriculture, Moderate Density Residential
6. Zoning Designation: A, RSF-4
7. Acreage: ±320

B. APPLICANT

1. Applicant's Status ☐ Owner (title holder) ☒ Agent
2. Name of Applicant(s) or Contact Person(s): Travis Hastay, PE Title: Director of Planning
   Company (if applicable): CHW
   Mailing address: 11801 Research Dr
   City: Alachua State: FL ZIP: 32615
   Telephone: ( ) (352) 331-1976 FAX: ( ) e-mail: travish@chw-inc.com
3. If the applicant is agent for the property owner*:
   Name of Owner (title holder): see property owner affidavits
   Mailing Address: _____
   City: _____ State: _____ ZIP: _____

   * Must provide executed Property Owner Affidavit authorizing the agent to act on behalf of the property owner.

C. ADDITIONAL INFORMATION

1. Is there any additional contact for sale of, or options to purchase, the subject property? ☐ Yes ■ No
   If yes, list names of all parties involved: _____
   If yes, is the contract/option contingent or absolute? ☐ Contingent ☐ Absolute

D. ATTACHMENTS

1. Statement of proposed special exception including the identification of the provision of the Land Development Regulations under which the special exception permit is sought, and stating the grounds on which it is requested.

2. Analysis of compliance with the Standards for a Special Exception, as defined in Section 2.4.4 of the Land Development Regulations (LDRs), and listed below:
   a. Complies with Use Specific Regulations
   b. Compatibility
   c. Design Minimizes Adverse Impact
   d. Design Minimizes Environmental Impact
   e. Roads and Other Public Facilities
   f. Not Injure Neighboring Land or Property Values
   g. Site Plan
   h. Complies will All Other Relevant Laws and Ordinances



3. Materials which demonstrate that the special exception permit would promote the public health, safety, morals, order, comfort, convenience, appearance, prosperity or the general welfare, which shall include (at a minimum):

a. A site plan showing the proposed placement of structures on the property; provisions for ingress and egress, off-street parking and off-street loading areas, and refuse and service areas; and required yards and other open spaces;
b. Access and points of connection to utilities (electric, potable water, sanitary sewer, gas, etc.)
c. Plans for screening and buffering with reference to type, character and dimensions;
d. Proposed landscaping, signs and lighting, including type, dimensions and character;
e. Any specific requirements of the zoning district.

4. Two (2) sets of labels for all property owners within 400 feet of the subject property boundaries – even if property within 400 feet falls outside of City limits. (Obtain from the Alachua County Property Appraiser).

5. Neighborhood Meeting Materials, including:
   i. Copy of the required published notice (advertisement) – must be published a newspaper of general circulation, as defined in Article 10 of the City's Land Development Regulations
   ii. Copy of written notice (letter) sent to all property owners within 400 feet, and mailing labels or list of those who received written notice
   iii. Written summary of meeting – must include (1) those in attendance; (2) a summary of the issues related to the development proposal discussed; (3) comments by those in attendance about the development proposal; and, (4) any other information deemed appropriate.

6. Map of the subject property and surrounding area with zoning.

7. Legal description with tax parcel number.

8. Proof of ownership.

9. Proof of payment of taxes.

10. **Fee.** Please see fee schedule for fee determination. No application shall be accepted for processing until the required application fee is paid in full by the applicant. Any necessary technical review will be billed to the applicant at the rate of the reviewing entity. The invoice shall be paid in full prior to any legislative and/or quasi-judicial action of any kind on the petition, appeal, or development application.

All 10 attachments are required for a complete application. A completeness review of the application will be conducted within 5 business days of receipt. If the application is determined to be incomplete, the application will be returned to the applicant.

I/We certify and acknowledge that the information contained herein is true and correct to the best of my/our knowledge.

Signature of Applicant

Signature of Co-applicant

Travis Hastay, PE

Typed or printed name and title of applicant

Typed or printed name of co-applicant

State of Florida County of Alachua

The foregoing application is acknowledged before me this 22 day of August, 2023, by Travis Hastay

_____, who is/are personally known to me, or who has/have produced _____

as identification.

TRINA LEMNAH
Notary Public - State of Florida
Commission # HH 368686
My Comm. Expires Mar 21, 2027
Bonded through National Notary Assn.

Signature of Notary Public, State of Florida

City of ALACHUA

THE GOOD LIFE COMMUNITY

Authorized Agent Affidavit

A. PROPERTY INFORMATION

Address of Subject Property: TBD - at the intersection of NW 138th Ave and NW 173rd St

Parcel ID Number(s): 03894-000-000

Acreage: 285.03

B. PERSON PROVIDING AGENT AUTHORIZATION

Name: _____ Title: _____

Company (if applicable): Waco Properties Inc

Mailing Address: 569 Edgewood Ave South

City: Jacksonville State: FL ZIP: 32205

Telephone: contact agent FAX: _____ e-mail: contact agent

C. AUTHORIZED AGENT

Name: Travis Hastay, PE Title: Senior Project Manager

Company (if applicable): CHW

Mailing address: 11801 Research Dr

City: Alachua State: FL ZIP: 32615

Telephone: (352) 331-1976 FAX: _____ e-mail: travish@chw-inc.com

D. REQUESTED ACTION:

To submit for site plan approval & special exception approval

I hereby certify that I am the property owner of record, or I have received authorization from the property owner of record to file an application for a development permit related to the property identified above. I authorize the agent listed above to act on my behalf for purposes of this application.

Signature of Applicant

Signature of Co-applicant

Richard Exline

Typed or printed name and title of applicant

Typed or printed name of co-applicant

State of Florida County of Duval

The foregoing application is acknowledged before me this 18th day of August, 2023 by _____

_____, who is/are personally known to me, or who has/have produced _____

as identification.

NOTARY SEAL

ELIZABETH HOLMES
NOTARY PUBLIC
STATE OF FLORIDA
NO. HH 283063
MY COMMISSION EXPIRES JUN. 30, 2026

Elizabeth B. Holmes

Signature of Notary Public, State of FL

City of ALACHUA

THE GOOD LIFE COMMUNITY

Authorized Agent Affidavit

A. PROPERTY INFORMATION

Address of Subject Property: TBD - at the intersection of NW 138th Ave and NW 173rd St

Parcel ID Number(s): 03898-000-000

Acreage: 35.33

B. PERSON PROVIDING AGENT AUTHORIZATION

Name: _____ Title: _____

Company (if applicable): Alspaugh & Brown Trustee & Henderson Brothers Inc & Weidner

Mailing Address: 898 SW 21st St

City: Boca Raton State: FL ZIP: 33486

Telephone: contact agent FAX: _____ e-mail: contact agent

C. AUTHORIZED AGENT

Name: Travis Hastay, PE Title: Senior Project Manager

Company (if applicable): CHW

Mailing address: 11801 Research Dr

City: Alachua State: FL ZIP: 32615

Telephone: (352) 331-1976 FAX: _____ e-mail: travish@chw-inc.com

D. REQUESTED ACTION:

To submit for site plan approval & special exception approval

I hereby certify that I am the property owner of record, or I have received authorization from the property owner of record to file an application for a development permit related to the property identified above. I authorize the agent listed above to act on my behalf for purposes of this application.

Peter Horne

Signature of Applicant

In-House Counsel

Peter Horne Henderson Brothers, Inc.

Typed or printed name and title of applicant

_____

Signature of Co-applicant

_____

Typed or printed name of co-applicant

State of Pennsylvania County of Allegheny

The foregoing application is acknowledged before me this 7th day of September, 2023 by Peter Horne

_____, who is/are personally known to me, or who has/have produced Drivers license as identification.

Karen Lewis

Signature of Notary Public, State of PA

NOTARY SEAL

Commonwealth of Pennsylvania - Notary Seal
Karen Lewis, Notary Public
Allegheny County
My commission expires October 23, 2025
Commission number 1322327

Member, Pennsylvania Association of Notaries

City of ALACHUA

THE GOOD LIFE COMMUNITY

Authorized Agent Affidavit

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Parcel ID Number(s): 03898-000-000

Acreage: 35.33

B. PERSON PROVIDING AGENT AUTHORIZATION

Name: _____ Title: _____

Company (if applicable): Alspaugh & Brown Trustee & Henderson Brothers Inc & Weidner

Mailing Address: 898 SW 21st St

City: Boca Raton State: FL ZIP: 33486

Telephone: contact agent FAX: _____ e-mail: contact agent

C. AUTHORIZED AGENT

Name: Travis Hastay, PE Title: Senior Project Manager

Company (if applicable): CHW

Mailing address: 11801 Research Dr

City: Alachua State: FL ZIP: 32615

Telephone: (352) 331-1976 FAX: _____ e-mail: travish@chw-inc.com

D. REQUESTED ACTION:

To submit for site plan approval & special exception approval

I hereby certify that I am the property owner of record, or I have received authorization from the property owner of record to file an application for a development permit related to the property identified above. I authorize the agent listed above to act on my behalf for purposes of this application.

Linda Weidner

Signature of Applicant

_____

Signature of Co-applicant

Linda Weidner

Typed or printed name and title of applicant

_____

Typed or printed name of co-applicant

State of Florida County of Hillsborough

The foregoing application is acknowledged before me this 24 day of August, 2023 by Linda Weidner, who is/are personally known to me, or who has/have produced FL D.L. W356-521-50-581-0 as identification.

NOTARY SEAL

KATHY M. LOVELACE
MY COMMISSION # HH 048881
EXPIRES: September 17, 2024
Bonded Thru Notary Public Underwriters

Kathy M Lovelace

Signature of Notary Public, State of Florida

City of ALACHUA

THE GOOD LIFE COMMUNITY

Authorized Agent Affidavit

A. PROPERTY INFORMATION

Address of Subject Property: TBD - at the intersection of NW 138th Ave and NW 173rd St

Parcel ID Number(s): 03898-000-000

Acreage: 35.33

B. PERSON PROVIDING AGENT AUTHORIZATION

Name: _____ Title: _____

Company (if applicable): Alspaugh & Brown Trustee & Henderson Brothers Inc & Weidner

Mailing Address: 898 SW 21st St

City: Boca Raton State: FL ZIP: 33486

Telephone: contact agent FAX: _____ e-mail: contact agent

C. AUTHORIZED AGENT

Name: Travis Hastay, PE Title: Senior Project Manager

Company (if applicable): CHW

Mailing address: 11801 Research Dr

City: Alachua State: FL ZIP: 32615

Telephone: (352) 331-1976 FAX: _____ e-mail: travish@chw-inc.com

D. REQUESTED ACTION:

To submit for site plan approval & special exception approval

I hereby certify that I am the property owner of record, or I have received authorization from the property owner of record to file an application for a development permit related to the property identified above. I authorize the agent listed above to act on my behalf for purposes of this application.

Gary D. Brown

Signature of Applicant

GARY D. BROWN

Typed or printed name and title of applicant

_____

Signature of Co-applicant

_____

Typed or printed name of co-applicant

State of PENNSYLVANIA County of ALLEGHENY

The foregoing application is acknowledged before me this 15 day of September, 2023, by GARY D. BROWN

_____, who is/are personally known to me, or who has/have produced PA DRIVER'S LICENSE as identification.

NOTARY SEAL

_____

Signature of Notary Public, State of PA

Commonwealth of Pennsylvania - Notary Seal
Lisa A. Moretti, Notary Public
Allegheny County
My commission expires November 5, 2025
Commission number 1001855
Member, Pennsylvania Association of Notaries

City of Alachua

Authorized Agent Affidavit

A. PROPERTY INFORMATION

Address of Subject Property: TBD - at the intersection of NW 138th Ave and NW 173rd St

Parcel ID Number(s): 03898-000-000

Acreage: 35.33

B. PERSON PROVIDING AGENT AUTHORIZATION

Name: Estate of Joanne M. Alspaugh Title: Personal Representative

Company (if applicable): Alspaugh & Brown Trustee & Henderson Brothers Inc & Weidner

Mailing Address: 898 SW 21st St

City: Boca Raton State: FL ZIP: 33486

Telephone: contact agent FAX: e-mail: contact agent

C. AUTHORIZED AGENT

Name: Travis Hastay, PE Title: Senior Project Manager

Company (if applicable): CHW

Mailing address: 11801 Research Dr

City: Alachua State: FL ZIP: 32615

Telephone: (352) 331-1976 FAX: e-mail: travish@chw-inc.com

D. REQUESTED ACTION:

To submit for site plan approval & special exception approval

I hereby certify that I am the property owner of record, or I have received authorization from the property owner of record to file an application for a development permit related to the property identified above. I authorize the agent listed above to act on my behalf for purposes of this application

Signature of Applicant

Estate of Joanne M Alspaugh, Christopher J Swift Personal Representative

Typed or printed name and title of applicant

Signature of Co-applicant

Typed or printed name of co-applicant

State of Ohio County of Geauga

The foregoing application is acknowledged before me this 29th day of August, 2023 by Christopher Swift, who is/are personally known to me, or who has/have produced _____ as identification.

THOMAS D. ROONEY, Attorney-At-Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date.
Section 147.03 R.C.

Signature of Notary Public, State of

Prepared by and record and return to:
John T. Sefton, Esq.
Foley & Lardner LLP
P.O. Box 240
Jacksonville, FL 32201-0240

RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 2263795 1 PG
2006 AUG 03 10:46 AM BK 3433 PG 1150
J. K. "BUDDY" IRBY
CLERK OF CIRCUIT COURT
ALACHUA COUNTY, FLORIDA
CLERK25 Receipt#294707
Doc Stamp-Deed: 7.00

2263795

QUIT-CLAIM DEED

This Indenture, made as of this 13 day of July, 2006, between **MILLER OIL PROPERTIES, L.L.C.**, a limited liability company organized under the laws of Oklahoma, whose address is 10202 Grand Teton Court, Austin, TX 78759-5519, party of the first part, and **WACO PROPERTIES, INC.**, a Florida corporation, whose address is c/o John T Sefton, PO Box 240, Jacksonville, FL 32201-0240, party of the second part.

WITNESSETH:

That party of the first part for and in consideration of the sum of $10 and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, has remised, released, and quitclaimed to party of the second part, and party of the second part's heirs, successors and assigns forever, all of party of the first part's right, title, and interest, if any, in and to the following described real property located in Alachua County, Florida, to wit:

W 1/2 of SW 1/4, Section 20, T8S, R18E

which party of the first part may have as of the date of this deed, together with all tenements, hereditaments, appurtenances thereunto belonging or in anywise appurtaining, to have and to hold unto party of the second part's successors and assigns, forever.

IN WITNESS WHEREOF, party of the first part has hereunto set its hand and seal as of the day and year first above written.

Witnesses

Chris Finger
CHRIS FINGER
Printed or typed name of witness

Janie L. Burkholder
Janie L. Burkholder
Printed or typed name of witness

MILLER OIL PROPERTIES, L.L.C.

By: J. Keith Miller
J. Keith Miller, its manager

STATE OF TEXAS; COUNTY OF Kendall

The foregoing instrument was acknowledged before me this 13th day of July, 2006, by **J. KEITH MILLER,** the manger of **MILLER OIL PROPERTIES, L.L.C.**, an Oklahoma limited liability company, on behalf of said company. J. Keith Miller ***[check applicable box]*** X produced a current Texas driver's license as identification or ___ is personally known to me.

{Notary Seal must be affixed}

ALICE J. DUNCAN
Notary Public
STATE OF TEXAS
My Comm. Exp. 01-11-2009

Alice Duncan
Signature of Notary

Alice Duncan
Name of Notary Typed, Printed or Stamped

My Commission Expires (if not legible on seal): 01/11/2009

RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 2137959 2 PGS
2005 MAY 27 02:20 PM BK 3133 PG 24
J. K. "BUDDY" IRBY
CLERK OF CIRCUIT COURT
ALACHUA COUNTY, FLORIDA
CLERK10 Receipt#237555
Doc Stamp-Deed: 4,025.00

Record & Return To:
Darryl J. Tompkins, P.A.
P.O. Box 519
Alachua, FL 32616

2137959

Parcel ID Number: 03898-000-000

Warranty Deed

This Indenture, Made this 17th day of May , 2005 A.D., **Between**

WILLIAM R. SABIS, a married man;

of the County of ALACHUA, State of Florida, **Grantor**, and

GARY D. BROWN, as Trustee of the GARY D. BROWN REVOCABLE TRUST DATED 1/23/04, as to an undivided 25% interest; and LINDA WEIDNER, as to an undivided 25% interest; and JOANNE ALSPAUGH, as to an undivided 25% interest; and HENDERSON BROTHERS, INC., as to an undivided 25% interest, as tenants in common.

whose post office address is: c/o Paul Himmelrich, 710 E. Hillsboro Blvd., Suite 201, Deerfield Beach, FL 33441.

of the County of BROWARD, State of Florida, **Grantee**

Witnesseth that the GRANTOR, for and in consideration of the sum of TEN & NO/100 ($10.00), and other good and valuable consideration to GRANTOR in hand paid by GRANTEE, the receipt of which is hereby acknowledged, has granted, bargained and sold to the said GRANTEE and GRANTEE'S successors and assigns forever, the following described land, situate, lying and being in the County of ALACHUA, State of Florida to wit:

See Attached Exhibit "A"

SUBJECT TO THE FOLLOWING:

A. Zoning restrictions, prohibitions and other requirements imposed by governmental authority;
B. Restrictions and matters appearing on the plat and/or common to the subdivision;
C. Taxes for the year 2005 and subsequent years.

The Grantee Trustee named herein shall have the power and authority either to protect, conserve and to sell, or to lease, or to encumber, or otherwise to manage and dispose of the real property described in the recorded instrument.

and the grantor does hereby fully warrant the title to said land, and will defend the same against lawful claims of all persons whomsoever.

Grantor hereby warrants and represents that the subject property is not his Constitutional Homestead, nor of his spouse, if any, nor is it contiguous thereto.

In Witness Whereof, the grantor has hereunto set his hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Printed Name: Bob Bienick

Printed Name: Rebecca Budny

WILLIAM R. SABIS
330 SW 132nd Terrace, Gainesville, FL 32669

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 17th day of May, 2005, by WILLIAM R. SABIS who is personally known to me or has produced his Florida Drivers License Driver's Licenses as identification.

REBECCA BUDNY
Notary Public, State of Florida
My comm. exp. Dec. 17, 2008
Comm. No. DD 367138

Notary Public State of Florida
Printed Name: Rebecca Budny
My Commission Expires: 12-17-05

EXHIBIT "A"

The Southeast Quarter (SE 1/4) of the Northeast Quarter (NE 1/4) in Section 20, Township 8 South, Range 18 East, Alachua County, Florida. LESS road right-of-way as per deed recorded in Official Records Book 103, page 432 of the Public Records of Alachua County, Florida. ALSO LESS the North 40 feet for County Road right-of-way per Official Records Book 880, page 168, Public Records of Alachua County, Florida.

INSTRUMENT # 2137959
2 PGS

AYESHA SOLOMON
ALACHUA COUNTY
PROPERTY APPRAISER
KNOWLEDGEABLE - COMMUNITY FOCUSED - COMMITTED

Sign Up for Property Watch

Parcel Summary

No Image Available

Parcel ID	03894-000-000
Prop ID	15309
Location Address	17910 PEGGY RD ALACHUA, FL 32615
Neighborhood/Area	233200.00
Subdivision	
Legal Description	SE1/4 LESS SR S-235A SW1/4 LESS S 300 FT OF E 150 FT OF SW1/4 OF SW1/4 LESS 1 ACRE FOR CEMETERY LESS COUNTY ROAD NW 26 LESS 2.5 ACRES IN SE CORNER OF SEC S OF CR 2054 LESS COUNTY RD 2054 PER OR 1096/ 0575)(LESS MINERAL RIGHTS) OR 2140/1837 (Note: *The Description above is not to be used on legal documents.)
Property Use Code	CROPSOIL CLASS2 (05200)
Sec/Twp/Rng	20-08-18
Tax Area	ALACHUA (1700)
Acres	285.03
Homesteaded	False

View Map

Millage Rate Value

Millage Rate: 21.5087

Owner Information

WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

Valuation

	2022 Certified Values	2021 Certified Values	2020 Certified Values	2019 Certified Values	2018 Certified Values
Improvement Value	$17,667	$17,667	$17,667	$17,667	$14,700
Land Value	$0	$0	$0	$0	$0
Land Agricultural Value	$72,000	$72,000	$72,000	$72,000	$72,000
Agricultural (Market) Value	$5,130,540	$5,130,540	$5,130,540	$5,130,540	$5,130,500
Just (Market) Value	**$5,148,207**	**$5,148,207**	**$5,148,207**	**$5,148,207**	**$5,145,200**
Assessed Value	$89,667	$89,667	$89,667	$88,170	$86,700
Exempt Value	$0	$0	$0	$0	$0
Taxable Value	$89,667	$89,667	$89,667	$88,170	$86,700
Maximum Save Our Homes Portability	$0	$0	$0	$1,497	$0

"Just (Market) Value" description - This is the value established by the Property Appraiser for ad valorem purposes. This value does not represent anticipated selling price.

TRIM Notice

2022 TRIM Notice (PDF)

Land Information

Land Use	Land Use Desc	Acres	Square Feet	Eff. Frontage	Depth	Zoning
5200	CROPLAND 2	200.00	8712000	0	0	RSF-4
5900	PINE/HARDWOOD	85.03	3703906.8	0	0	RSF-4

Building Information

Type	SOH MISC	**Heat**	
Total Area	2	**HC&V**	
Heated Area		**HVAC**	
Exterior Walls		**Bathrooms**	
Interior Walls		**Bedrooms**	
Roofing		**Total Rooms**	
Roof Type		**Stories**	1.0
Frame		**Actual Year Built**	0
Floor Cover		**Effective Year Built**	1998

Type	NSOH MISC	**Heat**	
Total Area	10,032	**HC&V**	
Heated Area		**HVAC**	
Exterior Walls		**Bathrooms**	
Interior Walls		**Bedrooms**	
Roofing		**Total Rooms**	
Roof Type		**Stories**	1.0
Frame		**Actual Year Built**	0
Floor Cover		**Effective Year Built**	1980

Sub Area

Type	Description	Sq. Footage	Quality	Imprv Use	Imprv Use Descr
2400	WELL	1		R5	RES
2402	WELL IRR	1		R5	RES

Type	Description	Sq. Footage	Quality	Imprv Use	Imprv Use Descr
0221	BARN 1	280		R2	RES
0221	BARN 1	720		R2	RES
0241	BARN POLE 1	1,040		R2	RES
0241	BARN POLE 1	3,600		R2	RES
0241	BARN POLE 1	4,392		R2	RES

Sales

Sale Date	Sale Price	Instrument	Book	Page	Qualified	Vacant/Improved	Grantor	Grantee	Link to Official Records
7/13/2006	$1,000	QD	3433	1150	U - UNQUALIFIED	Improved	* MILLER OIL PROPERTIES LLC PT	WACO PROPERTIES INC	Link (Clerk)
7/13/2006	$3,500	QD	3433	1149	U - UNQUALIFIED	Improved	* W H & HILLARY WELLBORN PT OF	* MILLER OIL PROPERTIES LLC PT	Link (Clerk)
7/3/2006	$100	QD	3433	1148	U - UNQUALIFIED	Improved	* A K GUTHRIE PT OF THIS PARCE	* W H & HILLARY WELLBORN PT OF	Link (Clerk)
11/18/1997	$784,000	SD	2140	1837	Q - QUALIFIED	Improved	* IBM	* A K GUTHRIE PT OF THIS PARCE	Link (Clerk)

Official Public Records information is provided by the Alachua County Clerk's Office. Clicking on these links will direct you to their web site displaying the document details for this specific transaction.

Permits

Permit Number	Type	Primary	Active	Issue Date	Value
98-00000	OVER THE COUNTER INSPECT	Yes	No	1/1/1998	$0
97-00000	OVER THE COUNTER INSPECT	Yes	No	1/1/1997	$0

Our permitting information is pulled from the Alachua County Permitting Offices. Permitting information shown here is all the Property Appraiser has on file for this property. Any detailed questions about permits should be directed to the Permitting Offices.

Map



No data available for the following modules: Extra Features, Sketches, Photos.

This web application and the data herein is prepared for the inventory of real property found within Alachua County and is compiled from recorded deeds, plats, and other public records and data. Users of this web application and the data herein are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information. Alachua County Property Appraiser's Office assumes no legal responsibility for the information contained herein.
User Privacy Policy
GDPR Privacy Notice

Developed by Schneider GEOSPATIAL

Last Data Upload: 6/21/2023, 2:59:44 AM

Version 3.1.15

AYESHA SOLOMON
ALACHUA COUNTY
PROPERTY APPRAISER
KNOWLEDGEABLE - COMMUNITY FOCUSED - COMMITTED

Sign Up for Property Watch

Parcel Summary

No Image Available

Parcel ID	03898-000-000
Prop ID	15328
Location Address	UNASSIGNED LOCATION RE
Neighborhood/Area	233200.00
Subdivision	
Legal Description	SE1/4 OF NE1/4 LESS E 50 FT R/W OR 825/56 LESS N 50 FT R/W OR 1146/0926) OR 3133/0024 (Note: *The Description above is not to be used on legal documents.)
Property Use Code	CROPSOIL CLASS2 (05200)
Sec/Twp/Rng	20-08-18
Tax Area	ALACHUA (1700)
Acres	35.78
Homesteaded	False

View Map

Millage Rate Value

Millage Rate: 21.5087

Owner Information

ALSPAUGH & BROWN TRUSTEE &
HENDERSON BROTHERS INC & WEIDNER
% HIMMELRICH AND COMPANY
898 SW 21ST ST
BOCA RATON, FL 33486

Valuation

	2022 Certified Values	2021 Certified Values	2020 Certified Values	2019 Certified Values	2018 Certified Values
Improvement Value	$0	$0	$0	$0	$0
Land Value	$0	$0	$0	$0	$0
Land Agricultural Value	$9,800	$9,800	$9,800	$9,800	$9,800
Agricultural (Market) Value	$78,716	$78,716	$78,716	$78,716	$78,700
Just (Market) Value	**$78,716**	**$78,716**	**$78,716**	**$78,716**	**$78,700**
Assessed Value	$9,800	$9,800	$9,800	$9,800	$9,800
Exempt Value	$0	$0	$0	$0	$0
Taxable Value	$9,800	$9,800	$9,800	$9,800	$9,800
Maximum Save Our Homes Portability	$0	$0	$0	$0	$0

"Just (Market) Value" description - This is the value established by the Property Appraiser for ad valorem purposes. This value does not represent anticipated selling price.

TRIM Notice

2022 TRIM Notice (PDF)

Land Information

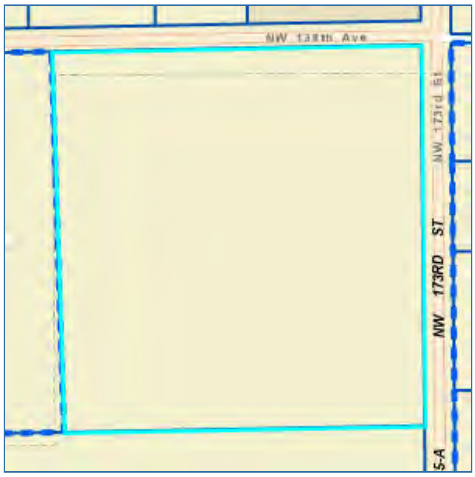
Land Use	Land Use Desc	Acres	Square Feet	Eff. Frontage	Depth	Zoning
5200	CROPLAND 2	35.78	1558576.8	0	0	A

Sales

Sale Date	Sale Price	Instrument	Book	Page	Qualified	Vacant/Improved	Grantor	Grantee	Link to Official Records
5/17/2005	$575,000	WD	3133	24	Q - QUALIFIED	Improved	* SABIS WILLIAM R	ALSPAUGH JOANNE	Link (Clerk)
3/31/2000	$67,400	WD	2283	1644	U - UNQUALIFIED	Vacant	* NADEAU & SABIS /// LEONARD &	* SABIS WILLIAM R	Link (Clerk)

Official Public Records information is provided by the Alachua County Clerk's Office. Clicking on these links will direct you to their web site displaying the document details for this specific transaction.

Map



No data available for the following modules: Building Information, Sub Area, Extra Features, Permits, Sketches, Photos.

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User Privacy Policy
GDPR Privacy Notice

Developed by Schneider GEOSPATIAL

Last Data Upload: 6/21/2023, 2:59:44 AM

Detail by Entity Name

Florida Profit Corporation
WACO PROPERTIES, INC.

Filing Information

Document Number	P97000106854
FEI/EIN Number	59-1635702
Date Filed	12/19/1997
State	FL
Status	ACTIVE
Last Event	REINSTATEMENT
Event Date Filed	09/27/2022

Principal Address

569 EDGEWOOD AVENUE SOUTH
JACKSONVILLE, FL 32205

Changed: 04/26/2006

Mailing Address

569 EDGEWOOD AVENUE SOUTH
JACKSONVILLE, FL 32205

Changed: 04/26/2006

Registered Agent Name & Address

C T Corporation System
1200 South Pine Island Road
Plantation, FL 33324

Name Changed: 04/26/2019

Address Changed: 04/26/2019

Officer/Director Detail

Name & Address

Title President, Director

MCARTHUR, WILLIAM A, Jr.
569 EDGEWOOD AVENUE SOUTH
JACKSONVILLE, FL 32205

Title VP

Exline, Richard A
569 EDGEWOOD AVENUE SOUTH
JACKSONVILLE, FL 32205

Title VP

MCARTHUR, Donald W, IV
569 EDGEWOOD AVENUE SOUTH
JACKSONVILLE, FL 32205

Annual Reports

Report Year	Filed Date
2021	04/05/2021
2022	09/27/2022
2023	01/23/2023

Document Images

01/23/2023 -- ANNUAL REPORT	View image in PDF format
09/27/2022 -- REINSTATEMENT	View image in PDF format
04/05/2021 -- ANNUAL REPORT	View image in PDF format
04/29/2020 -- ANNUAL REPORT	View image in PDF format
04/26/2019 -- ANNUAL REPORT	View image in PDF format
04/22/2018 -- ANNUAL REPORT	View image in PDF format
04/26/2017 -- ANNUAL REPORT	View image in PDF format
02/19/2016 -- ANNUAL REPORT	View image in PDF format
06/23/2015 -- AMENDED ANNUAL REPORT	View image in PDF format
03/18/2015 -- ANNUAL REPORT	View image in PDF format
03/21/2014 -- ANNUAL REPORT	View image in PDF format
04/05/2013 -- ANNUAL REPORT	View image in PDF format
04/19/2012 -- ANNUAL REPORT	View image in PDF format
03/02/2011 -- ANNUAL REPORT	View image in PDF format
03/31/2010 -- ANNUAL REPORT	View image in PDF format
03/04/2009 -- ANNUAL REPORT	View image in PDF format
04/28/2008 -- ANNUAL REPORT	View image in PDF format
02/02/2007 -- ANNUAL REPORT	View image in PDF format
05/09/2006 -- ANNUAL REPORT	View image in PDF format
04/26/2006 -- ANNUAL REPORT	View image in PDF format
04/29/2005 -- ANNUAL REPORT	View image in PDF format
04/26/2004 -- ANNUAL REPORT	View image in PDF format
02/14/2003 -- ANNUAL REPORT	View image in PDF format

04/08/2002 -- ANNUAL REPORT	View image in PDF format
03/19/2001 -- ANNUAL REPORT	View image in PDF format
04/13/2000 -- Name Change	View image in PDF format
02/09/2000 -- ANNUAL REPORT	View image in PDF format
04/26/1999 -- ANNUAL REPORT	View image in PDF format
03/16/1998 -- ANNUAL REPORT	View image in PDF format
12/31/1997 -- Merger	View image in PDF format
12/19/1997 -- Domestic Profit	View image in PDF format

PARCEL 1 DESCRIPTION:
(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

A TRACT OF LAND SITUATED IN THE SOUTH 1/2 OF SECTION 20, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 20 FOR A POINT OF REFERENCE AND RUN N.01°43'30"W., ALONG THE WEST LINE OF SAID SECTION 20, A DISTANCE OF 40.32 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID WEST LINE OF SECTION 20 WITH THE NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054 (80 FOOT RIGHT OF WAY) AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE N.01°43'30"W., ALONG SAID WEST LINE OF SECTION 20, A DISTANCE OF 2547.72 FEET TO A CONCRETE MONUMENT AT THE NORTHWEST CORNER OF THE AFOREMENTIONED SOUTH ½ OF SECTION 20; THENCE RUN N.89°48'16"E., ALONG THE NORTH LINE OF SAID SOUTH 1/2 , A DISTANCE OF 4989.78 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY RIGHT OF WAY LINE OF COUNTY ROAD 235A (100 FOOT RIGHT OF WAY); THENCE RUN S.00°14'05"W., ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 2239.68 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID WESTERLY RIGHT OF WAY LINE WITH THE AFOREMENTIONED NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054; THENCE RUN S.59°24;55"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 100.58 FEET TO A CONCRETE MONUMENT AT THE BEGINNING OF A CURVE CONCAVE NORTHWESTERLY, SAID CURVE HAVING A RADIUS OF 1869.86 FEET; THENCE RUN SOUTHWESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 30°23'36", AN ARC DISTANCE OF 991.89 FEET (CHORD BEARING AND DISTANCE OF S.74°36'43"W., 980.30 FEET RESPECTIVELY) TO A CONCRETE MONUMENT AT THE END OF SAID CURVE; THENCE RUN S.89°48'31"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 2591.89 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTHERLY RIGHT OF WAY LINE WITH THE EAST LINE OF THE WEST ½ OF THE SOUTHWEST ¼ OF SAID SECTION 20; THENCE RUN N.01°58'22"W., ALONG SAID EAST LINE, A DISTANCE OF 243.48 FEET TO A CONCRETE MONUMENT LOCATED 300.00 FEET NORTH OF THE SOUTH LINE OF SAID SECTION 20; THENCE RUN N.89°27'14"W., PARALLEL WITH SAID SOUTH LINE OF SECTION 20, A DISTANCE OF 150.00 FEET; THENCE RUN S.01°58'22"E., PARALLEL WITH SAID EAST LINE, A DISTANCE OF 245.42 FEET TO SAID NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054; THENCE RUN S.89°48'31"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 1096.30 FEET TO A STEEL ROD AND CAP AT THE BEGINNING OF A CURVE CONCAVE NORTHERLY, SAID CURVE HAVING A RADIUS OF 1869.86 FEET; THENCE RUN WESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 01°02'35", AN ARC DISTANCE OF 34.04 FEET (CHORD BEARING AND DISTANCE OF N.89°40'12"W., 34.04 FEET RESPECTIVELY) TO THE TRUE POINT OF BEGINNING, LESS AND EXCEPT ONE ACRE RESERVED THEREIN FOR GRAVEYARD.

SAID ONE ACRE RESERVED FOR GRAVEYARD BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 20 FOR A POINT OF REFERENCE AND RUN N.01°43'30"W., ALONG THE WEST LINE OF SAID SECTION 20, A DISTANCE OF 2588.04 FEET TO A CONCRETE MONUMENT AT THE NORTHWEST CORNER OF THE AFOREMENTIONED SOUTH ½ OF SECTION 20, THENCE RUN N.89°48'16"E., ALONG THE NORTH LINE OF SAID SOUTH 1/2 , A DISTANCE OF 4989.78 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY RIGHT OF WAY LINE OF COUNTY ROAD 235A (100 FOOT RIGHT OF WAY); THENCE RUN S.00°14'05"W., ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 501.38 FEET; THENCE RUN N.89°45'54"W., A DISTANCE OF 405.49 FEET TO A STEEL ROD AND CAP AT THE TRUE POINT OF BEGINNING OF GRAVEYARD PARCEL; THENCE RUN

S.00°14'06”W., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN N.89°45'54”W., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN N.00°14'06”E., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN S.89°45'54”E., A DISTANCE OF 208.71 FEET TO THE TRUE POINT OF BEGINNING.

AND BEING THE SAME PROPERTY CONVEYED TO WACO, INC., QUALIFIED TO DO BUSINESS IN FLORIDA AS WACO OF ALABAMA, INC., AN ALABAMA CORPORATION FROM INTERNATIONAL BUSINESS MACHINES CORPORATION, A NEW YORK CORPORATION BY SPECIAL WARRANTY DEED DATED NOVEMBER 10, 1997 AND RECORDED NOVEMBER 18, 1997 IN DEED BOOK 2140, PAGE 1837.; SAID WACO, INC, AN ALABAMA CORPORATION MERGED INTO WADE ALABAMA CORPORATION, A FLORIDA CORPORATION; AND SAID WACO OF ALABAMA, INC, AN ALABAMA CORPORATION MERGED INTO WADE ALABAMA CORPORATION, AN ALABAMA CORPORATION, AND SAID WADE ALABAMA CORPORATION, AN ALABAMA CORPORATION CHANGED ITS NAME TO WACO OF ALABAMA, INC., A FLORIDA CORPORATION, AND SAID WACO OF ALABAMA, INC, A FLORIDA CORPORATION CHANGED ITS NAME TO WACO PROPERTIES, INC, A FLORIDA CORPORATION.

TAX PARCEL NO. 03894-000-000

PARCEL 2 DESCRIPTION:
(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) IN SECTION 20, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA. LESS ROAD RIGHT-OF-WAY AS PER DEED RECORDED IN OFFICIAL RECORDS BOOK 103, PAGE 432 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. ALSO LESS THE NORTH 40 FEET FOR COUNTY ROAD RIGHT-OF-WAY PER OFFICIAL RECORDS BOOK 880, PAGE 168, PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.

AND BEING THE SAME PROPERTY CONVEYED TO GARY D. BROWN, AS TRUSTEE OF THE GARY D. BROWN REVOCABLE TRUST DATED JANUARY 23, 2004, AS TO AN UNDIVIDED 25% INTEREST AND LINDA WEIDNER, AS TO AN UNDIVIDED 25% INTEREST AND JOANNE ALSPAUGH, AS TO AN UNDIVIDED 25% INTEREST; AND HENDERSON BROTHERS, INC., AS TO AN UNDIVIDED 25% INTEREST, AS TENANTS IN COMMON FROM WILLIAM R. SABIS BY WARRANTY DEED DATED MAY 17, 2005 AND RECORDED MAY 27, 2005 IN DEED BOOK 3133, PAGE 24.

TAX PARCEL NO. 03898-000-000

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Permit #: DRV23-000351
Project #: 23-020368
Status: Online Application Received
Address: 17910 PEGGY RD
Description: Pleasant Solar LLC



Permit | Reviews | Documents | Inspections

Permit #:
DRV23-000351
Permit Type:
Right-of-Way Connection
Sub Type:
Non-Residential/Commercial
Issue Date:
Expiration Date:

CONNECTION INFORMATION
Connection Type:
Class II (under 1200 ADTs)
Licensed Contractor:

Type of Development:

Industrial

Normal Vehicle Usage:

Auto

Requested Date for Location Approval:

12/12/2023

Are auxiliary lanes provided:

No

I agree to all stated terms and conditions for right of way permits:

Yes

CONTRACTORS

Site Supervisor:

SUBMITTAL DOCUMENTS

Plans:

PLANS 230822 Pleasant Solar Civil Set.pdf

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citizenserve

ALATB15081F

John Power TAX COLLECTOR Serving Alachua County
FLORIDA STERLING AWARD RECIPIENT

2023 PAID REAL ESTATE 15309

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

ACCOUNT NUMBER	PROPERTY ADDRESS	MILLAGE CODE
03894 000 000	17910 PEGGY RD	1700

WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

EXEMPTIONS:

SCAN TO PAY ONLINE

AD VALOREM TAXES

TAXING AUTHORITY	MILLAGE RATE	ASSESSED VALUE	EXEMPTION(S)	TAXABLE VALUE	TAXES LEVIED
COUNTY GENERAL	7.6414	89,667	0	89,667	685.18
LIBRARY GENERAL	1.0339	89,667	0	89,667	92.71
SCHOOL CAP PROJECT	1.5000	89,667	0	89,667	134.50
SCHOOL DISCRNRY & CN	0.7480	89,667	0	89,667	67.07
SCHOOL GENERAL	3.1840	89,667	0	89,667	285.50
SCHOOL VOTED	1.0000	89,667	0	89,667	89.67
CHILDREN'S TRUST	0.4612	89,667	0	89,667	41.35
SUWANNEE RIVER WATER MGT DIST	0.3113	89,667	0	89,667	27.91
CITY OF ALACHUA	5.9500	89,667	0	89,667	533.52

TOTAL MILLAGE 21.8298 AD VALOREM TAXES $1,957.41

LEGAL DESCRIPTION

SE1/4 LESS SR S-235A SW1/4 LESS S 300 FT OF E 150 FT OF SW1/4 OF SW1/4 LESS 1 AC
See Additional Legal on Tax Roll

NON-AD VALOREM ASSESSMENTS

LEVYING AUTHORITY	UNIT	RATE	AMOUNT
550 COUNTY FIRE SERVICES	1.000	Varies	115.62

NON-AD VALOREM ASSESSMENTS $115.62

PAY ONLY ONE AMOUNT.

COMBINED TAXES AND ASSESSMENTS $2,073.03

IF PAID BY	Nov 30, 2023				
PLEASE PAY	$0.00				

Please Retain this Portion for your Records. Receipt Available Online.

JOHN POWER, CFC
ALACHUA COUNTY TAX COLLECTOR

2023 PAID REAL ESTATE 15309
NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

PLEASE PAY IN U.S. FUNDS TO JOHN POWER, TAX COLLECTOR • P.O. Box 44310 • Jacksonville, FL 32231-4310

ACCOUNT NUMBER	PROPERTY ADDRESS
03894 000 000	17910 PEGGY RD

WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

PAY ONLY ONE AMOUNT

	IF PAID BY	PLEASE PAY
☐	Nov 30, 2023	$0.00
☐		
☐		
☐		
☐		

WANT TO RECEIVE YOUR BILL ELECTRONICALLY NEXT YEAR? VISIT www.AlachuaCollector.com AND SIGN UP FOR E-BILLS!

Receipt # 23-0056693 $1,990.11 Paid 12/08/2023
11/30/2023 Effective Date

ALATB15081F

John Power TAX COLLECTOR Serving Alachua County
FLORIDA STERLING AWARD RECIPIENT

2023 PAID REAL ESTATE 15328

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

ACCOUNT NUMBER	PROPERTY ADDRESS	MILLAGE CODE
03898 000 000	UNASSIGNED LOCATION RE	1700

ALSPAUGH & BROWN TRUSTEE &
HENDERSON BROTHERS INC &
WEIDNER
% HIMMELRICH AND COMPANY
898 SW 21ST ST
BOCA RATON, FL 33486

EXEMPTIONS:

SCAN TO PAY ONLINE

AD VALOREM TAXES

TAXING AUTHORITY	MILLAGE RATE	ASSESSED VALUE	EXEMPTION(S)	TAXABLE VALUE	TAXES LEVIED
COUNTY GENERAL	7.6414	9,800	0	9,800	74.89
LIBRARY GENERAL	1.0339	9,800	0	9,800	10.13
SCHOOL CAP PROJECT	1.5000	9,800	0	9,800	14.70
SCHOOL DISCRNRY & CN	0.7480	9,800	0	9,800	7.33
SCHOOL GENERAL	3.1840	9,800	0	9,800	31.20
SCHOOL VOTED	1.0000	9,800	0	9,800	9.80
CHILDREN'S TRUST	0.4612	9,800	0	9,800	4.52
SUWANNEE RIVER WATER MGT DIST	0.3113	9,800	0	9,800	3.05
CITY OF ALACHUA	5.9500	9,800	0	9,800	58.31

TOTAL MILLAGE 21.8298 AD VALOREM TAXES $213.93

Please Retain this Portion for your Records. Receipt Available Online.

LEGAL DESCRIPTION

SE1/4 OF NE1/4 LESS E 50 FT R/W OR 825/56 LESS N 50 FT R/W OR 1146/0926) OR 3133
See Additional Legal on Tax Roll

NON-AD VALOREM ASSESSMENTS

LEVYING AUTHORITY	UNIT	RATE	AMOUNT

NON-AD VALOREM ASSESSMENTS $0.00

PAY ONLY ONE AMOUNT.

COMBINED TAXES AND ASSESSMENTS $213.93

IF PAID BY PLEASE PAY	Nov 30, 2023 $0.00				

JOHN POWER, CFC
ALACHUA COUNTY TAX COLLECTOR

2023 PAID REAL ESTATE 15328

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

PLEASE PAY IN U.S. FUNDS TO JOHN POWER, TAX COLLECTOR • P.O. Box 44310 • Jacksonville, FL 32231-4310

ACCOUNT NUMBER	PROPERTY ADDRESS
03898 000 000	UNASSIGNED LOCATION RE

ALSPAUGH & BROWN TRUSTEE &
HENDERSON BROTHERS INC &
WEIDNER
% HIMMELRICH AND COMPANY
898 SW 21ST ST

PAY ONLY ONE AMOUNT

	IF PAID BY	PLEASE PAY
☐	Nov 30, 2023	$0.00
☐		
☐		
☐		
☐		

WANT TO RECEIVE YOUR BILL ELECTRONICALLY NEXT YEAR? VISIT www.AlachuaCollector.com AND SIGN UP FOR E-BILLS!

Receipt # 23-0052677 $205.37 Paid 12/05/2023
11/30/2023 Effective Date

FLORIDA DEPARTMENT OF Environmental Protection

Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

Permittee
Pleasant Solar, LLC
Attn: Andrew Cerrato, Project Development Manager
301 North Lake Avenue, Suite 950
Pasadena, California 91101
acerrato@solariant.com

Engineering Consultant
Travis Hastay, P.E.
CHW Inc.
11801 Research Drive
Alachua, Florida 32615
travish@chw-inc.com

Environmental Consultant
Keith Suderman
TRC Environmental Corporation
4155 Shackleford Road, Suite 225
Norcross, Georgia 30024
KSuderman@trccompanies.com

Pleasant Solar Project

Environmental Resource Permit

State-owned Submerged Lands Authorization – Not Applicable

U.S. Army Corps of Engineers Authorization – Not Included

Alachua County
Permit No.: 01-0408317-002-EI

Permit Issuance Date: May 13, 2024
Permit Construction Phase Expiration Date: May 13, 2029

Environmental Resource Permit

Permittee: Pleasant Solar Project
Permit No: 01-0408317-002-EI

PROJECT LOCATION

The activities authorized by this permit are located at 17910 Peggy Road, Parcel IDs 03894-000-000 and 03898-000-000, Alachua, Florida 32615, in Section 20, Township 8 S, Range 18 E in Alachua County, at latitude 29º 46' 29.17" N, longitude 82º 32' 2.14" W.

PROJECT DESCRIPTION

The project is to construct a stormwater management system associated with the development of a 74.9-megawatt solar photovoltaic energy facility upon approximately 320 acres of agricultural and silvicultural lands. The facility consists of solar panels, inverters, and 16-ft wide at-grade access roads. The total proposed impervious area is approximately 5.71 acres. The stormwater management system consists of one (1) proposed swale and fifteen (15) existing depressions. The swale is 2.0-ft wide at the bottom, 1.0-ft deep, 4H:1V side slope, and 300-ft long in Basin 3. Some existing depressions will have their bottoms raised and flattened but still have storages. The proposed swale combined with the remaining volumes of the existing depressions will provide stormwater collection; stormwater treatment in a volume that is runoff from 2.0 inches of rainfall over the drainage area of each basin; and stormwater attenuation up to 100-year storm event with 1-, 2-, 4-, 8-, 24-hour durations for the entire project area. In addition, two new culverts will be constructed at the facility entrances from Peggy Road and NW 173rd St. Authorized activities are depicted on the attached exhibits.

AUTHORIZATIONS

Pleasant Solar Project

Environmental Resource Permit

The Department has determined that the activity qualifies for an Environmental Resource Permit. Therefore, the Environmental Resource Permit is hereby granted, pursuant to Part IV of Chapter 373, Florida Statutes (F.S.), and Chapter 62-330, Florida Administrative Code (F.A.C.).

Sovereignty Submerged Lands Authorization

As staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), the Department has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, F.S., or Rule 18-21, F.A.C.

Federal Authorization

Your proposed activity as outlined on your application and attached drawings does not qualify for Federal authorization pursuant to the State Programmatic General Permit and a SEPARATE permit or authorization shall be required from the Corps. You must apply separately to the Corps using the Application for Department of the Army Permit (ENG 4345) or alternative as allowed by Corps regulations. More information on Corps permitting may be found online in the Jacksonville District Regulatory Division Sourcebook:

(https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/).
Authority for review - an agreement with the USACOE entitled "Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection (or Duly Authorized Designee), State Programmatic General Permit", Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Water Quality Certification
This permit also constitutes a grant of water quality certification under Section 401 of the Clean Water Act, 33 U.S.C. Section 1341. Pursuant to Rule 62-330.062, F.A.C. issuance of the individual or conceptual approval permit under this chapter shall constitute certification of compliance with water quality standards.

Other Authorizations
You are advised that authorizations or permits for this activity may be required by other federal, state, regional, or local entities including but not limited to local governments or municipalities. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

The activity described may be conducted only in accordance with the terms, conditions and attachments contained in this document. Issuance and granting of the permit and authorizations herein do not infer, nor guarantee, nor imply that future permits, authorizations, or modifications will be granted by the Department.

PERMIT CONDITIONS
The activities described must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to beginning the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings herein. If you are using a contractor, the contractor also should read and understand these conditions and drawings prior to beginning any activity. Failure to comply with these conditions, including any mitigation requirements, shall be grounds for the Department to revoke the permit and authorization and to take appropriate enforcement action. Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit as described.

SPECIFIC CONDITIONS - PRIOR TO ANY CONSTRUCTION

1. The permittee must acquire legal ownership or legal control of all project areas as delineated in the permitted construction drawings.

2. Prior to commencement of work authorized by this permit, the permittee shall provide written notification of the date of the commencement and proposed schedule of construction to the Department of Environmental Protection, Northeast District, 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

3. This permit does not authorize the removal of any vegetation within the jurisdictional area. No dredging, filling, or other construction activity, including the removal of tree stumps and/or vegetative root masses, shall be conducted within the wetlands other than that performed within the specifically authorized work corridor.

4. Outside the specific limits of construction authorized by this permit, any disturbance of or damage to wetlands shall be corrected by restoring pre-construction elevations as to maintain natural hydrology, drainage patterns, and planting vegetation of the same species, size, and density that exist in adjacent undisturbed wetland area.

5. There shall be no storage or stockpiling of tools, equipment, materials (e.g., lumber, pilings, riprap, and debris) within wetlands, along the shoreline within the littoral zone, or elsewhere within waters of the state unless specifically approved in this permit. Any and all construction debris shall be removed from wetlands/waters of the state within 14 days of completion of the work authorized by this permit.

6. There shall be no discharge of construction debris into the waters of the state as conditioned by this permit enforceable under the Florida Litter Law 403.413, F.S., by all law enforcement officers.

7. Best management practices for erosion control shall be implemented prior to construction commencement and shall be maintained at all times during construction to prevent siltation and turbid discharges in excess of State water quality standards pursuant to Rule 62-302, F.A.C. Methods shall include, but are not limited to, the use of staked hay bales, staked filter cloth, sodding, seeding, staged construction and the installation of silt fencing around the immediate project site. Erosion control methods shall be implemented as depicted in the attached best management plan.

8. Fill material which has escaped the containment devices shall be immediately removed from the wetlands and deposited within the authorized construction area landward of the limit of fill as depicted on the attached permit drawings.

9. Historic properties Site AL04791, Catchart Family Cemetery, should be avoided by all ground disturbing project activities, including staging. If avoidance is not possible, further consultation with the Florida Department of State, Division of Historical Resources will be necessary.

10. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at

any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The applicant shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section at (850)-245-6333. Project activities shall not resume without verbal and/or written authorization. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately, and the proper authorities notified in accordance with Section 872.05, Florida Statutes.

SPECIFIC CONDITIONS - OTHER LISTED SPECIES

11. This permit does not authorize the permittee to cause any adverse impact to or "take" of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or permittee associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, Florida Fish and Wildlife Conservation Commission (FWC) staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a "take" permit cannot be issued. Requests for further information or review can be sent to ConservationPlanningServices@MyFWC.com

12. If new information (e.g. listing of new species, new critical habitat, etc.) shows that the magnitude of impacts to federally listed species has the potential for adverse effects, the U.S. Fish and Wildlife Service (USFWS) will notify the Department. The Department will initiate coordination with the permittee and with the USFWS to determine what adverse impacts are likely and if additional minimization measures, reporting, or monitoring are required in order to be consistent with the Endangered Species Act, as deemed necessary by USFWS.

13. The Permittee shall report any injured, sick, or dead federally or state listed animal(s) discovered onsite to the Florida Fish and Wildlife Conservation Commission Wildlife Alert number at 888-404-FWCC (3922).

14. The bald eagle has been removed from state and federal listing but is still governed by the state bald eagle rule (68A-16.002 F.A.C.) and the federal Bald and Golden Eagle Protection Act. No activities shall occur within a 660-foot buffer distance from an eagle nest. If activities within a 660-foot buffer distance from an eagle nest cannot be avoided, the Permittee shall follow the USFWS Eagle Management Guidelines (https://www.fws.gov/southeast/our-services/permits/eagles/#southeast-region-bald-eagle-monitoring-guidelines-section). If the protective measures in the referenced guidance cannot be followed, no activities shall occur unless, and until, an eagle permit is issued by USFWS. Applications and information about federal eagle permits are available online (https://www.fws.gov/southeast/our-services/permits/eagles/#southeast-region-bald-eagle-and-golden-eagle-permitting-section) or by contacting the regional USFWS Migratory Bird Office directly at (404) 679- 7070 or permitsR4MB@fws.gov .

SPECIFIC CONDITIONS - CONSTRUCTION COMPLETION

15. Upon completion of construction, the permittee shall submit to the Department of Form 62-330.310(1) "As-Built Certification and Request for Conversion to Operation Phase". The form shall be certified by a registered professional and serve to notify the Department that the project, or independent portion of the project, is completed and ready for inspection by the Department. The person completing Form 62-330.310(1) shall inform the Department if there are substantial deviations from the plans approved as part of the permit and include as-built drawings with the form.

16. The plans must be clearly labeled as "as-built" or "record" drawings and shall consist of the permitted drawings that clearly highlight (such as through "red lines" or "clouds") any substantial deviations made during construction. The permittee shall be responsible for correcting the deviations [as verified by a new certification using Form 62-330.310(1)]. If such deviations require a modification of the permit under Rule 62-330.315, F.A.C., the permittee shall separately request a modification to the permit, which must be issued by the Department prior to the Department approving the request to convert.

17. When projects authorized by the permit are to be constructed in phases, each phase or independent portion of the permitted project must be completed and the permittee must have submitted Form 62-330.310(1) "As-Built Certification and Request for Conversion to Operation Phase," in accordance with subparagraph 62-330.350(1)(f)2., F.A.C., certifying as to such completion prior to the use of that phase or independent portion of the project. The request for conversion to the operating phase for any phase or independent portion of the permitted project shall occur before construction of any future work that may rely on that infrastructure for conveyance and water quality treatment and attenuation. Phased construction can include a partial certification.

SPECIFIC CONDITIONS – OPERATION AND MAINTENANCE ACTIVITIES

18. In accordance with Section 373.416(2), F.S., unless revoked or abandoned, all stormwater management systems, dams, impoundments, reservoirs, appurtenant works, or works permitted under Part IV of Chapter 373, F.S., must be operated and maintained in perpetuity. The operation and maintenance shall be in accordance with the designs, plans, calculations, and other specifications that are submitted with an application, approved by the Department, and incorporated as a condition into any permit issued.

19. A registered professional shall perform inspections every three years after conversion of the permit to the operation and maintenance phase to identify if there are any deficiencies in structural integrity, degradation due to insufficient maintenance, or improper operation that may endanger public health, safety, or welfare, or the water resources, and to ensure that systems are functioning as designed and permitted. Within 30 days of the inspection, a report shall be submitted electronically or in writing to the Department using Form 62-330.311(1), "Operation and Maintenance Inspection Certification".

20. The permittee shall conduct periodic inspections in addition to the above professional inspections, especially after heavy rain. The permittee shall maintain a record of each

inspection, including the date of inspection, the name and contact information of the inspector, whether the system was functioning as designed and permitted, and make such record available upon request of the Department. Within 30 days of any failure of any system or deviation from the permit, a report shall be submitted electronically or in writing to the Department using Form 62-330.311(1), "Operation and Maintenance Inspection Certification," describing the remedial actions taken to resolve the failure or deviation.

21. The following operational maintenance activities shall be performed on all permitted systems on a regular basis or as needed:
a. Inspection of pipes and structures for damage and blockage
b. Removal of trash, debris, and sediments from the proposed swale and existing depressions
c. Mowing and removal of clippings from the proposed swale and existing onsite depressions
d. Stabilization and restoration of eroded areas and slopes
e. Maintenance of overland flow areas to prevent channelization
f. Check for any indication of sinkhole development and repair of any sinkhole or solution pipe that develops in the system

GENERAL CONDITIONS FOR INDIVIDUAL PERMITS

The following general conditions are binding on all individual permits issued under this chapter, except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate project-specific conditions.

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under chapter 373, F.S.

2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.

3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007), and the Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to

the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," (October 1, 2013), (http://www.flrules.org/Gateway/reference.asp?No=Ref-02505), incorporated by reference herein, indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C., and shall be submitted electronically or by mail to the Agency. However, for activities involving more than one acre of construction that also require a NPDES stormwater construction general permit, submittal of the Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b), shall also serve as notice of commencement of construction under this chapter and, in such a case, submittal of Form 62-330.350(1) is not required.

5. Unless the permit is transferred under rule 62-330.340, F.A.C., or transferred to an operating entity under rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms, and conditions of the permit for the life of the project or activity.

6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:
a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex – "Construction Completion and Inspection Certification for Activities Associated with a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or
b. For all other activities – "As-Built Certification and Request for Conversion to Operation Phase" [Form 62-330.310(1)].
c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

7. If the final operation and maintenance entity is a third party:
a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as-built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.4 of Volume I) as filed with the Florida Department of State, Division of Corporations, and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.
b. Within 30 days of submittal of the as-built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation and Maintenance Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:
a. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in chapter 62-330, F.A.C.;
b. Convey to the permittee or create in the permittee any interest in real property;

c. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
d. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.

10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

11. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.

12. The permittee shall notify the Agency in writing:
a. Immediately if any previously submitted information is discovered to be inaccurate; and
b. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

13. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

14. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850)245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with section 872.05, F.S. For project activities subject to prior consultation with the DHR and as an alternative to the above requirements, the permittee may follow procedures for unanticipated discoveries as set forth within a cultural resources assessment survey determined complete and sufficient by DHR and included as a specific permit condition herein.

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under rule 62-

330.201, F.A.C., provides otherwise.

16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with subsection 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

19. In addition to those general conditions in subsection (1), above, the Agency shall impose any additional project-specific special conditions necessary to assure the permitted activities will not be harmful to the water resources, as set forth in rules 62-330.301 and 62-330.302, F.A.C., Volumes I and II, as applicable, and the rules incorporated by reference in this chapter.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely

filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing
A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-
106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:
(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of when and how the petitioner received notice of the agency decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.
The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition
In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver will not apply to persons who have not received written notice of this action.

Extension of Time
Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation
Mediation is not available in this proceeding.

FLAWAC Review
The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

Judicial Review
Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Executed in Jacksonville, Florida

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Jaylen Comstock

For Katie Sula Miller
Permitting Program Administrator

KM:tc:js

Attachments:
Project Drawings and Design Specs., 16 pages
Construction Commencement Notice/Form 62-330.350(1)
As-built Certification and Request for Conversion to Operational Phase/ Form 62-330.310(1)
Operation and Maintenance Inspection Certification/Form 62-330.311(1)

Copies furnished to:
Travis Hastay, P.E., CHW Inc, travish@chw-inc.com
Keith Suderman, TRC Environmental Corporation, KSuderman@trccompanies.com
Michael DuBose, Division of Historical Resources, Michael.DuBose@dos.myflorida.com
Division of Historical Resources, CompliancePermits@DOS.MyFlorida.com

Katie Miller, FDEP NED
Paul Duff, FDEP NED
Taylor Comstock, FDEP NED
Junhong Shi, FDEP NED
Tianna Goodhart, FDEP NED

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit, including all copies, were mailed before the close of business on May 13, 2024**,** to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under 120.52(7) of the Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



May 13, 2024

Clerk Date



We love being your national partner

For the benefit of:	Solariant Capital, LLC		
Issue Date:	April 7, 2022	**Our Order No.:**	36523532
County:	Alachua	**State:**	FL
Address:	, FL		
Customer Ref. No.:	Pleasant Solar		

It's been a delight to serve you. Connect with us at:

Customer Care Team
Contact for all title needs including ordering, title questions and order status
- sms-commercial@fnf.com

Closing Team
Contact for all escrow and closing needs and support
- sms-closing@fnf.com

Post Closing Team
Contact for all recording and policy needs
- sms-postclosing@fnf.com

Bookkeeping Team
Contact for all billing and accounting needs
- elaine.bishop@fnf.com

We understand ALL commercial real estate transactions are important-small ones and big ones

Whether its services for small businesses, churches, cell towers, solar and wind farm sites, gas stations and convenience stores, or restaurants and retail locations, coast to coast and border to border, we handle it all. We support deals in every state, focusing on liabilities of $5 million and less and can effectively fulfill high volumes. Our talented team has vast experience in closing commercial refinance and purchase transactions as well as taking on uninsured title research requests.

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Strategic Market Services
7130 Glen Forest Ave, Ste. 300 • Richmond • Virginia • 23226
866.522.0129

ALTA COMMITMENT FOR TITLE INSURANCE

Issued By:

Fidelity National Title Insurance Company

Commitment Number:

36523532

NOTICE

IMPORTANT - READ CAREFULLY: THIS COMMITMENT IS AN OFFER TO ISSUE ONE OR MORE TITLE INSURANCE POLICIES. ALL CLAIMS OR REMEDIES SOUGHT AGAINST THE COMPANY INVOLVING THE CONTENT OF THIS COMMITMENT OR THE POLICY MUST BE BASED SOLELY IN CONTRACT.

THIS COMMITMENT IS NOT AN ABSTRACT OF TITLE, REPORT OF THE CONDITION OF TITLE, LEGAL OPINION, OPINION OF TITLE, OR OTHER REPRESENTATION OF THE STATUS OF TITLE. THE PROCEDURES USED BY THE COMPANY TO DETERMINE INSURABILITY OF THE TITLE, INCLUDING ANY SEARCH AND EXAMINATION, ARE PROPRIETARY TO THE COMPANY, WERE PERFORMED SOLELY FOR THE BENEFIT OF THE COMPANY, AND CREATE NO EXTRACONTRACTUAL LIABILITY TO ANY PERSON, INCLUDING A PROPOSED INSURED.

THE COMPANY'S OBLIGATION UNDER THIS COMMITMENT IS TO ISSUE A POLICY TO A PROPOSED INSURED IDENTIFIED IN SCHEDULE A IN ACCORDANCE WITH THE TERMS AND PROVISIONS OF THIS COMMITMENT. THE COMPANY HAS NO LIABILITY OR OBLIGATION INVOLVING THE CONTENT OF THIS COMMITMENT TO ANY OTHER PERSON.

COMMITMENT TO ISSUE POLICY

Subject to the Notice; Schedule B, Part I-Requirements; Schedule B, Part II-Exceptions; and the Commitment Conditions, Fidelity National Title Insurance Company, a Florida corporation (the "Company"), commits to issue the Policy according to the terms and provisions of this Commitment. This Commitment is effective as of the Commitment Date shown in Schedule A for each Policy described in Schedule A, only when the Company has entered in Schedule A both the specified dollar amount as the Proposed Policy Amount and the name of the Proposed Insured.

If all of the Schedule B, Part I-Requirements have not been met within six (6) months after the Commitment Date, this Commitment terminates and the Company's liability and obligation end.

Fidelity National Title Insurance Company

By:

Michael J. Nolan, President

Attest:

Marjorie Nemzura, Secretary

Countersigned By:

Authorized Officer or Agent
Walter A. Wilson, III

This page is only a part of a 2016 ALTA® Commitment for Title Insurance issued by Fidelity National Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I-Requirements; Schedule B, Part II-Exceptions; and a counter-signature by the Company or its issuing agent that may be in electronic form.

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Transaction Identification Data for reference only:

ISSUING OFFICE:
Strategic Market Services-FNT 7130 Glen Forest Drive, Suite 300 Richmond, VA 23226 Main Phone: (866)552-0129 Email: sms-commercial@fnf.com

Order Number: 36523532
Prepared For: Solariant Capital, LLC
Customer Ref.: Pleasant Solar

SCHEDULE A

1. Commitment Date: March 1, 2022

2. Policy to be issued:

   (a) ALTA Owner's Policy 2006 (with Florida Modifications)
   Proposed Insured: Pleasant Solar LLC, a Florida limited liability company
   Proposed Policy Amount: $0.00

   (b)
   Proposed Insured:
   Proposed Policy Amount: $0.00

3. The estate or interest in the Land described or referred to in this Commitment is:

   Leasehold Estate

4. The Title is, at the Commitment Date, vested in:

   Waco Properties, Inc., a Florida corporation (As to Parcel 1)

   Gary D. Brown, as Trustee of the Gary D. Brown Revocable Trust dated January 23, 2004, as to an undivided 25% interest; Linda Weidner, as to an undivided 25% interest; Joanne Alspaugh, as to an undivided 25% interest and Henderson Brothers, Inc., as to an undivided 25% interest, as tenants in common, (As to Parcel 2)

5. The Land is described as follows:

   SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

END OF SCHEDULE A

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EXHIBIT "A"

Legal Description

An interest in land, said interest being over a portion of the following described parent parcel:

Parcel 1:

Overall Tract “E”:

A tract of land situated in the South 1/2 of Section 20, Township 8 South, Range 18 East, Alachua County, Florida, said tract of land being more particularly described as follows:
Commence at the Southwest corner of the aforementioned Section 20 for a point of reference and run N.01°43'30”W., along the West line of said Section 20, a distance of 40.32 feet to a concrete monument at the intersection of said West line of Section 20 with the Northerly right of way line of County Road 2054 (80 foot right of way) and the true point of beginning; thence continue N.01°43'30”W., along said West line of Section 20, a distance of 2547.72 feet to a concrete monument at the Northwest corner of the aforementioned South 1/2 of Section 20; thence run N.89°48'16”E., along the North line of said South 1/2, a distance of 4989.78 feet to a concrete monument at the intersection of said North line with the Westerly right of way line of County Road 235A (100 foot right of way); thence run S.00°14'05”W., along said Westerly right of way line, a distance of 2239.68 feet to a concrete monument at the intersection of said Westerly right of way line with the aforementioned Northerly right of way line of County Road 2054; thence run S.59°24'55”W., along said Northerly right of way line, a distance of 100.58 feet to a concrete monument at the beginning of a curve concave Northwesterly, said curve having a radius of 1869.86 feet; thence run Southwesterly, along said right of way line and with said curve, through an arc angle of 30°23'36", an arc distance of 991.89 feet (chord bearing and distance of S.74°36’43"W., 980.30 feet respectively) to a concrete monument at the end of said curve; thence run S.89°48'31”W., along said Northerly right of way line, a distance of 2591.89 feet to a concrete monument at the intersection of said Northerly right of way line with the East line of the West 1/2 of the Southwest 1/4 of said Section 20; thence run N.01°58'22”W., along said East line, a distance of 243.48 feet to a concrete monument located 300.00 feet North of the South line of said Section 20; thence run N.89°27'14”W., parallel with said South line of Section 20, a distance of 150.00 feet; thence run S.01°58'22”E., parallel with said East line, a distance of 245.42 feet to said Northerly right of way line of County Road 2054; thence run S.89°48’31”W., along said Northerly right of way line, a distance of 1096.30 feet to a steel rod and cap at the beginning of a curve concave Northerly, said curve having a radius of 1869.86 feet; thence run Westerly, along said right of way line and with said curve, through an arc angle of 01°02'35”, an arc distance of 34.04 feet (chord bearing and distance of N.89°40'12”W., 34.04 feet respectively) to the true point of beginning, less and except one acre reserved therein for graveyard, containing a total of 285.031 acres more or less.

Said one acre reserved for graveyard being more particularly described as follows:
Commence at the Southwest corner of the aforementioned Section 20 for a point of reference and run N.01°43'30"W., along the West line of said Section 20, a distance of 2588.04 feet to a concrete monument at the Northwest corner of the aforementioned South 1/2 of Section 20; thence run N.89°48'16”E., along the North line of said South 1/2, a distance of 4989.78 feet to a concrete monument at the intersection of said North line with the Westerly right of way line of County Road 235A (100 foot right of way); thence run S.00°14'05”W., along said Westerly right of way line, a distance of 501.38 feet; thence run N.89°45'54”W., a distance of 405.49 feet to a steel rod and cap at the true point of beginning of graveyard parcel; thence run S.00°14'06”W., a distance of 208.71 feet to a steel rod and cap; thence run N.89°45'54”W., a distance of 208.71 feet to a steel rod and cap; thence run N.00°14'06”E., a distance of 208.71 feet to a steel rod and cap; thence run S.89°45'54”E., a distance of 208.71 feet to the true point of beginning, containing 1.000 acres more or less.

AND BEING the same property conveyed to Waco, Inc., qualified to do business in Florida as Waco of Alabama, Inc., an Alabama corporation from International Business Machines Corporation, a New York corporation by Special Warranty Deed dated November 10, 1997 and recorded November 18, 1997 in Deed Book 2140, Page 1837.; said Waco, Inc, an Alabama corporation merged into Wade Alabama Corporation, a Florida corporation; and said Waco of Alabama, Inc, an Alabama corporation merged into Wade Alabama Corporation, an Alabama corporation, and said Wade Alabama

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EXHIBIT "A"
Legal Description

Corporation, an Alabama corporation changed its name to Waco of Alabama, Inc., a Florida corporation, and said Waco of Alabama, Inc, a Florida corporation changed its name to Waco Properties, Inc, a Florida corporation.

Tax Parcel No. 03894-000-000

Parcel 2:

The Southeast Quarter (SE 1/4) of the Northeast Quarter (NE 1/4) in Section 20, Township 8 South, Range 18 East, Alachua County, Florida. LESS road right-of-way as per deed recorded in Official Records Book 103, Page 432 of the Public Records of Alachua County, Florida. ALSO LESS the North 40 feet for County Road right-of-way per Official Records Book 880, Page 168, Public Records of Alachua County, Florida.

AND BEING the same property conveyed to Gary D. Brown, as Trustee of the Gary D. Brown Revocable Trust dated January 23, 2004, as to an undivided 25% interest and Linda Weidner, as to an undivided 25% interest and Joanne Alspaugh, as to an undivided 25% interest; and Henderson Brothers, Inc., as to an undivided 25% interest, as tenants in common from William R. Sabis by Warranty Deed dated May 17, 2005 and recorded May 27, 2005 in Deed Book 3133, Page 24.

Tax Parcel No. 03898-000-000

Said interest being over land more particularly described by the following description:

Insert metes and bounds description of area

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SCHEDULE B, PART I
REQUIREMENTS

All of the following Requirements must be met:

1. The Proposed Insured must notify the Company in writing of the name of any party not referred to in this Commitment who will obtain an interest in the Land or who will make a loan on the Land. The Company may then make additional Requirements or Exceptions.

2. Pay the agreed amount for the estate or interest to be insured.

3. Pay the premiums, fees, and charges for the Policy to the Company.

4. Documents satisfactory to the Company that convey the Title or create the Mortgage to be insured, or both, must be properly authorized, executed, delivered, and recorded in the Public Records.

5. The Company must be provided with the executed Owner's Affidavit and Agreement relating to, among other items, bankruptcy, mechanics' liens, and parties in possession.

6. Instrument(s) satisfactory to create the estate or interest to be insured must be properly executed (see Document(s) Requirement Note below), delivered and duly filed for record, including any Recorder of Deeds' or Clerks' required Cover Sheets, Affidavits or Forms:

   A. Memorandum of Lease from Waco Properties, Inc, a Florida corporation, (As to Parcel 1) and Gary D. Brown, as Trustee of the Gary D. Brown Revocable Trust dated January 23, 2004; Linda Weidner; Joanne Alspaugh and Henderson Brothers, Inc., as tenants in common, (As to Parcel 2) to Pleasant Solar LLC, a Florida limited liability company.

   i. Each document submitted for recording must be executed before an FNF approved Notary for acknowledgement. Properly completed and executed attached Affidavit of Notary will be sufficient evidence of compliance with FNF approved Notary requirement.
   ii. Each document involving an entity as a party, must include a statement of the state of formation for the entity and must correctly recite any mergers, name changes, fictitious names or erroneous names appearing in the title to clarify the record.
   iii. Power of Attorney ("POA") - We will not accept documents signed by an agent without prior review and approval by this office. Additional requirements will be added upon approval of a POA.
   iv. Each document received by this office for recording must be dated and executed no more than five (5) days before we receive it. In some cases a document received by our office more than five (5) days after execution, may be subject to fines or additional fees imposed by the Clerk's office. FNF-SMS is not responsible for payment or fronting of any fine or fee for tardy submission of a document and we may hold such document until we receive funds sufficient to cover the cost of recording plus the fine or fee.

7. The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance by the corporation named below:

   Name of Corporation: Waco Properties, Inc, a Florida corporation

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SCHEDULE B, PART I
REQUIREMENTS
(continued)

a) A Copy of the corporation By-laws and Articles of Incorporation

b) An original or certified copy of a resolution authorizing the transaction contemplated herein

c) If the Articles and/or By-laws require approval by a 'parent' organization, a copy of the Articles and By-laws of the parent

d) A current dated certificate of good standing from the proper governmental authority of the state in which the entity was created

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

8. Marital status of individuals needs to be disclosed and for a married individual, or more than one individual not married to one another, the following must be complied with {document must recite marital status in spousal/homestead state}: Non-vested spouse must sign if property in:
AK, AZ, AR, CA, IA, KS, KY, LA, MN, MO, NC, NE, NV, NH, NM, OH, OK, PA (only if pending divorce or action involving equitable distribution), SD, TN, UT, WA, or WY; or
Non-vested spouse must sign if property is homestead property and in:
AL, CO, FL, ID, IL, MA, MI, MS, MT, NJ (referred to as "joint possession of the principal matrimonial residence"), ND, TX (non-vested spouse must sign Homestead Affidavit or insured document), VT or WI (unless purchase money mortgage); or
Non-vested spouse not required to transfer to a bona fide purchaser if property in:
CT, DE, DC, GA, HI, IN, ME, MD, NY, OR, RI, SC, VA, or WV.

9. For Gary D. Brown, as Trustee of the Gary D. Brown Revocable Trust (hereinafter referred to as Trust):
A. The Company must be provided with evidence that the Trustees have full and complete power and authority to sell or encumber described property pursuant to and in accordance with the terms and provisions of the Trust Agreement under which title is held and vested and further that all provisions of the Trust have been complied with concerning the transaction and there is no violation of any of the provisions thereof.
B. In order to satisfy our requirements we require a current copy of Trust Agreement(s) and all amendments, or a current Certification of Trustee(s) preapproved by Company.

10. The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance by the corporation named below:

Name of Corporation: Henderson Brothers, Inc.

a) A Copy of the corporation By-laws and Articles of Incorporation

b) An original or certified copy of a resolution authorizing the transaction contemplated herein

c) If the Articles and/or By-laws require approval by a 'parent' organization, a copy of the Articles and By-laws of the parent

d) A current dated certificate of good standing from the proper governmental authority of the state in which the

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SCHEDULE B, PART I
REQUIREMENTS
(continued)

entity was created

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

11. The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance from the entity named below.

Limited Liability Company: Pleasant Solar LLC, a Florida limited liability company

a. A copy of its operating agreement, if any, and any and all amendments, supplements and/or modifications thereto, certified by the appropriate manager or member.

b. If a domestic Limited Liability Company, a copy of its Articles of Organization and all amendment thereto with the appropriate filing stamps.

c. If the Limited Liability Company is member-managed a full and complete current list of members certified by the appropriate manager or member.

d. A current dated certificate of good standing from the proper governmental authority of the state in which the entity was created

e. If less than all members, or managers, as appropriate, will be executing the closing documents, furnish evidence of the authority of those signing.

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

12. The actual value of the estate or interest to be insured must be disclosed to the Company, and subject to approval by the Company, entered as the amount of the policy to be issued. Until the amount of the policy to be issued shall be determined, and entered as aforesaid, it is agreed that as between the Company, the applicant for this Company, and every person relying on this Commitment, the Company cannot be required to approve any such evaluation in excess of $100,000.00 and the total liability of the Company on account of this Commitment shall not exceed said amount.

END OF REQUIREMENTS

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SCHEDULE B, PART I
(continued)

NOTES

Note A: The Company must be furnished proof of payment of all real property taxes and assessments that are due and payable.
Type of Tax: County
For the period: 2021
In the amount of: $2,008.74 annually
Tax parcel ID #: 03894-000-000 (Parcel 1)
Paid through: 2021
Total Assessment: $89,667.00
Any tax delinquencies noted above must be paid at closing, plus penalties and interest.

Note B: The Company must be furnished proof of payment of all real property taxes and assessments that are due and payable.
Type of Tax: County
For the period: 2021
In the amount of: $207.41 annually
Tax parcel ID #: 03898-000-000 (Parcel 2)
Paid through: 2021
Total Assessment: $9,800.00
Any tax delinquencies noted above must be paid at closing, plus penalties and interest.

Note C: Notice: Please be aware that due to the conflict between federal and state laws concerning the cultivation, distribution, manufacture or sale of marijuana, the Company is not able to close or insure any transaction involving Land that is associated with these activities.

Note D: For transactions this office is not acting as closing agent please send the recording package, instructions, and all documents related to the herein described transaction to the following mailing address within 24 hours prior to the anticipated closing date:

Attn: Post-Closing Department
Strategic Market Services
Fidelity National Title Insurance Company
7130 Glen Forest Drive, Suite 300
Richmond, VA 23226
Email: SMS-PostClosing@fnf.com

END OF SCHEDULE B, PART I

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SCHEDULE B, PART II
EXCEPTIONS

THIS COMMITMENT DOES NOT REPUBLISH ANY COVENANT, CONDITION, RESTRICTION, OR LIMITATION CONTAINED IN ANY DOCUMENT REFERRED TO IN THIS COMMITMENT TO THE EXTENT THAT THE SPECIFIC COVENANT, CONDITION, RESTRICTION, OR LIMITATION VIOLATES STATE OR FEDERAL LAW BASED ON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, GENDER IDENTITY, HANDICAP, FAMILIAL STATUS, OR NATIONAL ORIGIN.

The Policy will not insure against loss or damage resulting from the terms and provisions of any lease or easement identified in Schedule A, and will include the following Exceptions unless cleared to the satisfaction of the Company:

CLICK HERE TO ACCESS DOCUMENT IMAGES

General Exceptions:

1. Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date on which all of the Schedule B, Part I—Requirements are met.

2. Rights or claims of parties in possession not shown by the Public Records.

3. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the title that would be disclosed by an accurate and complete land survey of the Land.

4. Easements, or claims of easements, not shown by the Public Records.

5. Any lien, or right to a lien, for services, labor, or material heretofore or hereafter furnished, imposed by law and not shown by the Public Records.

6. Taxes or special assessments which are not shown as existing liens by the Public Records.

   NOTE: Upon receipt of satisfactory Owner/Seller Affidavit Schedule B - Section II Items 2, 4, 5 and 6 will be deleted from final policy, and Item 3 will be deleted upon receipt of satisfactory ALTA/NSPS Survey. Item 1 will be deleted from final policy upon receipt of all requirements and a satisfactory title update.

Special Exceptions:

7. Taxes for the year 2022 and subsequent years, a lien not yet due and payable. (As to Parcel 1 and Parcel 2)

8. Easement in favor of State of Florida, recorded on October 17, 1960 in Deed Book 114, Page 427. (As to Parcel 1)

9. 80 foot wide strip of land conveyed in Warranty Deed from W. D. Pope, Jr. and James A. Lewis to Alachua County, recorded on October 14, 1977 in Deed Book 1096, Page 575. (As to Parcel 1)

10. Mineral Deed to W. H. Wellborn and Hillary Wellborn, dated November 21, 1996 and recorded January 6, 1997 in Deed Book 2094, Page 476. (As to Parcel 1)

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SCHEDULE B, PART II
(continued)

11. Right-of-Way Easement in favor of Clay Electric Cooperative, Inc., a Florida corporation set forth in instrument recorded on February 23, 2000 in Deed Book 2277, Page 757. (As to Parcel 1)

12. Unrecorded Right of Way Easement in favor of Clay Electric Cooperative, Inc. dated May 17, 1955; Partial Release of Easement, recorded on February 23, 2000 in Deed Book 2277, Page 760. (As to Parcel 2)

13. Drainage Easement in favor of State of Florida set forth in instrument recorded on July 12, 1960 in Deed Book 103, Page 414. (As to Parcel 2)

14. Easement in favor of State of Florida, recorded on July 12, 1960 in Deed Book 103, Page 432. (As to Parcel 2)

15. Right of Way, 100 feet in width, in favor of International Business Machines Corporation, a New York corporation set forth in instrument recorded on May 15, 1981 in Deed Book 1346, Page 680. (as to Parcel 1)

16. Rights, easements, limitation of access, rights of others both public and private (if any) in and to any railroad tracts, railroad switches, sidetracks, spur tracks, and right of way, including appurtenances thereto, located upon premises described herein; any reversionary rights contained in the original grant to the railroad; and failure of transfer of property from a railroad. (As to both Parcel 1 and Parcel 2)

17. a. Title to no portion of the Land constituting or used as burial grounds is insured.
b. Easement rights of all persons for ingress and egress to any burial grounds located on the Land, together with the rights of maintenance of such burial grounds, set forth in section 704.08, Florida Statutes.
c. Regulation by the State of Florida of burial mounds and unmarked human burials under chapter 872, Florida Statutes, and of historical resources under chapter 267, Florida Statutes.

(As to both Parcel 1 and Parcel 2)

18. Reservation of one acre in NE 1/4 of SW 1/4 and N 1/2 of SE 1/4 of Section 20-8-18 for Cathgart Graveyard, recorded in Deed Book 68, Page 632, of the public records of Alachua Couny, Florida. (As to Parcel 1)

19. Mineral Right and Royalty Transfer of undivided one-half interest by J.H. Davis and Allie L. Davis, his wife, to W. R. Mosely, dated September 13, 1944, recorded in Miscellaneous Book 32, page 94, of the public records of Alachua County, Florida. (As to Parcel 1)

END OF SCHEDULE B, PART II

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COMMITMENT CONDITIONS

1. DEFINITIONS

(a) "Knowledge" or "Known": Actual or imputed knowledge, but not constructive notice imparted by the Public Records.

(b) "Land": The land described in Schedule A and affixed improvements that by law constitute real property. The term "Land" does not include any property beyond the lines of the area described in Schedule A, nor any right, title, interest, estate, or easement in abutting streets, roads, avenues, alleys, lanes, ways, or waterways, but this does not modify or limit the extent that a right of access to and from the Land is to be insured by the Policy.

(c) "Mortgage": A mortgage, deed of trust, or other security instrument, including one evidenced by electronic means authorized by law.

(d) "Policy": Each contract of title insurance, in a form adopted by the American Land Title Association, issued or to be issued by the Company pursuant to this Commitment.

(e) "Proposed Insured": Each person identified in Schedule A as the Proposed Insured of each Policy to be issued pursuant to this Commitment.

(f) "Proposed Policy Amount": Each dollar amount specified in Schedule A as the Proposed Policy Amount of each Policy to be issued pursuant to this Commitment.

(g) "Public Records": Records established under state statutes at the Commitment Date for the purpose of imparting constructive notice of matters relating to real property to purchasers for value and without Knowledge.

(h) "Title": The estate or interest described in Schedule A.

2. If all of the Schedule B, Part I-Requirements have not been met within the time period specified in the Commitment to Issue Policy, this Commitment terminates and the Company's liability and obligation end.

3. The Company's liability and obligation is limited by and this Commitment is not valid without:

(a) the Notice;

(b) the Commitment to Issue Policy;

(c) the Commitment Conditions;

(d) Schedule A;

(e) Schedule B, Part I-Requirements;

(f) Schedule B, Part II-Exceptions; and

(g) a counter-signature by the Company or its issuing agent that may be in electronic form.

4. COMPANY'S RIGHT TO AMEND

The Company may amend this Commitment at any time. If the Company amends this Commitment to add a defect, lien, encumbrance, adverse claim, or other matter recorded in the Public Records prior to the Commitment Date, any liability of the Company is limited by Commitment Condition 5. The Company shall not be liable for any other amendment to this Commitment.

5. LIMITATIONS OF LIABILITY

(a) The Company's liability under Commitment Condition 4 is limited to the Proposed Insured's actual expense incurred in the interval between the Company's delivery to the Proposed Insured of the Commitment and the delivery of the amended Commitment, resulting from the Proposed Insured's good faith reliance to:

(i) comply with the Schedule B, Part I-Requirements;

(ii) eliminate, with the Company's written consent, any Schedule B, Part II-Exceptions; or

(iii) acquire the Title or create the Mortgage covered by this Commitment.

(b) The Company shall not be liable under Commitment Condition 5(a) if the Proposed Insured requested the amendment or had Knowledge of the matter and did not notify the Company about it in writing.

(c) The Company will only have liability under Commitment Condition 4 if the Proposed Insured would not have incurred the expense had the Commitment included the added matter when the Commitment was first delivered to the Proposed Insured.

(d) The Company's liability shall not exceed the lesser of the Proposed Insured's actual expense incurred in good faith and described in Commitment Conditions 5(a)(i) through 5(a)(iii) or the Proposed Policy Amount.

(e) The Company shall not be liable for the content of the Transaction Identification Data, if any.

(f) In no event shall the Company be obligated to issue the Policy referred to in this Commitment unless all of the Schedule B, Part I-Requirements have been met to the satisfaction of the Company.

(g) In any event, the Company's liability is limited by the terms and provisions of the Policy.

6. LIABILITY OF THE COMPANY MUST BE BASED ON THIS COMMITMENT

(a) Only a Proposed Insured identified in Schedule A, and no other person, may make a claim under this Commitment.

(b) Any claim must be based in contract and must be restricted solely to the terms and provisions of this Commitment.

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(continued)

(c) Until the Policy is issued, this Commitment, as last revised, is the exclusive and entire agreement between the parties with respect to the subject matter of this Commitment and supersedes all prior commitment negotiations, representations, and proposals of any kind, whether written or oral, express or implied, relating to the subject matter of this Commitment.

(d) The deletion or modification of any Schedule B, Part II-Exception does not constitute an agreement or obligation to provide coverage beyond the terms and provisions of this Commitment or the Policy.

(e) Any amendment or endorsement to this Commitment must be in writing and authenticated by a person authorized by the Company.

(f) When the Policy is issued, all liability and obligation under this Commitment will end and the Company's only liability will be under the Policy.

7. IF THIS COMMITMENT HAS BEEN ISSUED BY AN ISSUING AGENT

The issuing agent is the Company's agent only for the limited purpose of issuing title insurance commitments and policies. The issuing agent is not the Company's agent for the purpose of providing closing or settlement services.

8. PRO-FORMA POLICY

The Company may provide, at the request of a Proposed Insured, a pro-forma policy illustrating the coverage that the Company may provide. A pro-forma policy neither reflects the status of Title at the time that the pro-forma policy is delivered to a Proposed Insured, nor is it a commitment to insure.

END OF CONDITIONS

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Fidelity National Title

7130 Glen Forest Drive, Suite 300
Richmond, VA 23226
Phone: (866)552-0129
Email: sms-commercial@fnf.com

ADDITIONAL INFORMATION

THIS INFORMATION IS PROVIDED AS A CONVENIENCE AND COURTESY AND IS NOT CONSIDERED TO BE PART OF THE TITLE PRODUCT.

The following real estate tax information deemed reliable and is provided for informational purposes only.

Real Estate Tax Type:	County
Taxes are Paid:	Annual
Due Date(s):	March 31 (See Note)
Tax Authority Name:	Alachua County Tax Collector
Phone:	352-374-5236

Additional notes regarding taxes, documents and/or special recordation requirements:

·Taxes due November 1st, delinquent after March 1st

FIDELITY NATIONAL FINANCIAL
PRIVACY NOTICE

Effective January 1, 2021

Fidelity National Financial, Inc. and its majority-owned subsidiary companies (collectively, "FNF," "our," or "we") respect and are committed to protecting your privacy. This Privacy Notice explains how we collect, use, and protect personal information, when and to whom we disclose such information, and the choices you have about the use and disclosure of that information.

A limited number of FNF subsidiaries have their own privacy notices. If a subsidiary has its own privacy notice, the privacy notice will be available on the subsidiary's website and this Privacy Notice does not apply.

Collection of Personal Information

FNF may collect the following categories of Personal Information:

- contact information (*e.g.*, name, address, phone number, email address);
- demographic information (*e.g.*, date of birth, gender, marital status);
- identity information (*e.g.* Social Security Number, driver's license, passport, or other government ID number);
- financial account information (*e.g.* loan or bank account information); and
- other personal information necessary to provide products or services to you.

We may collect Personal Information about you from:

- information we receive from you or your agent;
- information about your transactions with FNF, our affiliates, or others; and
- information we receive from consumer reporting agencies and/or governmental entities, either directly from these entities or through others.

Collection of Browsing Information

FNF automatically collects the following types of Browsing Information when you access an FNF website, online service, or application (each an "FNF Website") from your Internet browser, computer, and/or device:

- Internet Protocol (IP) address and operating system;
- browser version, language, and type;
- domain name system requests; and
- browsing history on the FNF Website, such as date and time of your visit to the FNF Website and visits to the pages within the FNF Website.

Like most websites, our servers automatically log each visitor to the FNF Website and may collect the Browsing Information described above. We use Browsing Information for system administration, troubleshooting, fraud investigation, and to improve our websites. Browsing Information generally does not reveal anything personal about you, though if you have created a user account for an FNF Website and are logged into that account, the FNF Website may be able to link certain browsing activity to your user account.

Other Online Specifics

Cookies. When you visit an FNF Website, a "cookie" may be sent to your computer. A cookie is a small piece of data that is sent to your Internet browser from a web server and stored on your computer's hard drive. Information gathered using cookies helps us improve your user experience. For example, a cookie can help the website load properly or can customize the display page based on your browser type and user preferences. You can choose whether or not to accept cookies by changing your Internet browser settings. Be aware that doing so may impair or limit some functionality of the FNF Website.

Web Beacons. We use web beacons to determine when and how many times a page has been viewed. This information is used to improve our websites.

Do Not Track. Currently our FNF Websites do not respond to "Do Not Track" features enabled through your browser.

Links to Other Sites. FNF Websites may contain links to unaffiliated third-party websites. FNF is not responsible for the privacy practices or content of those websites. We recommend that you read the privacy policy of every website you visit.

Use of Personal Information

FNF uses Personal Information for three main purposes:

- To provide products and services to you or in connection with a transaction involving you.
- To improve our products and services.
- To communicate with you about our, our affiliates', and others' products and services, jointly or independently.

When Information Is Disclosed

We may disclose your Personal Information and Browsing Information in the following circumstances:

- to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure;
- to nonaffiliated service providers who provide or perform services or functions on our behalf and who agree to use the information only to provide such services or functions;
- to nonaffiliated third party service providers with whom we perform joint marketing, pursuant to an agreement with them to jointly market financial products or services to you;
- to law enforcement or authorities in connection with an investigation, or in response to a subpoena or court order; or
- in the good-faith belief that such disclosure is necessary to comply with legal process or applicable laws, or to protect the rights, property, or safety of FNF, its customers, or the public.

The law does not require your prior authorization and does not allow you to restrict the disclosures described above. Additionally, we may disclose your information to third parties for whom you have given us authorization or consent to make such disclosure. We do not otherwise share your Personal Information or Browsing Information with nonaffiliated third parties, except as required or permitted by law. We may share your Personal Information with affiliates (other companies owned by FNF) to directly market to you. Please see "Choices with Your Information" to learn how to restrict that sharing.

We reserve the right to transfer your Personal Information, Browsing Information, and any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets, or in the event of bankruptcy, reorganization, insolvency, receivership, or an assignment for the benefit of creditors. By submitting Personal Information and/or Browsing Information to FNF, you expressly agree and consent to the use and/or transfer of the foregoing information in connection with any of the above described proceedings.

Security of Your Information

We maintain physical, electronic, and procedural safeguards to protect your Personal Information.

Choices With Your Information

If you do not want FNF to share your information among our affiliates to directly market to you, you may send an "opt out" request as directed at the end of this Privacy Notice. We do not share your Personal Information with nonaffiliates for their use to direct market to you without your consent.

Whether you submit Personal Information or Browsing Information to FNF is entirely up to you. If you decide not to submit Personal Information or Browsing Information, FNF may not be able to provide certain services or products to you.

For California Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties, except as permitted by California law. For additional information about your California privacy rights, please visit the "California Privacy" link on our website (https://fnf.com/pages/californiaprivacy.aspx) or call (888) 413-1748.

For Nevada Residents: You may be placed on our internal Do Not Call List by calling (888) 934-3354 or by contacting us via the information set forth at the end of this Privacy Notice. Nevada law requires that we also provide you with the following contact information: Bureau of Consumer Protection, Office of the Nevada Attorney General, 555 E. Washington St., Suite 3900, Las Vegas, NV 89101; Phone number: (702) 486-3132; email: BCPINFO@ag.state.nv.us.

For Oregon Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties for marketing purposes, except after you have been informed by us of such sharing and had an opportunity to indicate that you do not want a disclosure made for marketing purposes.

For Vermont Residents: We will not disclose information about your creditworthiness to our affiliates and will not disclose your personal information, financial information, credit report, or health information to nonaffiliated third parties to market to you, other than as permitted by Vermont law, unless you authorize us to make those disclosures.

Information From Children

The FNF Websites are not intended or designed to attract persons under the age of eighteen (18). We do not collect Personal Information from any person that we know to be under the age of thirteen (13) without permission from a parent or guardian.

International Users

FNF's headquarters is located within the United States. If you reside outside the United States and choose to provide Personal Information or Browsing Information to us, please note that we may transfer that information outside of your country of residence. By providing FNF with your Personal Information and/or Browsing Information, you consent to our collection, transfer, and use of such information in accordance with this Privacy Notice.

FNF Website Services for Mortgage Loans

Certain FNF companies provide services to mortgage loan servicers, including hosting websites that collect customer information on behalf of mortgage loan servicers (the "Service Websites"). The Service Websites may contain links to both this Privacy Notice and the mortgage loan servicer or lender's privacy notice. The sections of this Privacy Notice titled When Information is Disclosed, Choices with Your Information, and Accessing and Correcting Information do not apply to the Service Websites. The mortgage loan servicer or lender's privacy notice governs use, disclosure, and access to your Personal Information. FNF does not share Personal Information collected through the Service Websites, except as required or authorized by contract with the mortgage loan servicer or lender, or as required by law or in the good-faith belief that such disclosure is necessary: to comply with a legal process or applicable law, to enforce this Privacy Notice, or to protect the rights, property, or safety of FNF or the public.

Your Consent To This Privacy Notice; Notice Changes; Use of Comments or Feedback

By submitting Personal Information and/or Browsing Information to FNF, you consent to the collection and use of the information in accordance with this Privacy Notice. We may change this Privacy Notice at any time. The Privacy Notice's effective date will show the last date changes were made. If you provide information to us following any change of the Privacy Notice, that signifies your assent to and acceptance of the changes to the Privacy Notice.

Accessing and Correcting Information; Contact Us

If you have questions, would like to correct your Personal Information, or want to opt-out of information sharing for affiliate marketing, visit FNF's Opt Out Page or contact us by phone at (888) 934-3354 or by mail to:

Fidelity National Financial, Inc.
601 Riverside Avenue,
Jacksonville, Florida 32204
Attn: Chief Privacy Officer

WIRE SAFE™ | Inquire before you wire!

WIRE FRAUD ALERT

This Notice is not intended to provide legal or professional advice.
If you have any questions, please consult with a lawyer.

All parties to a real estate transaction are targets for wire fraud and many have lost hundreds of thousands of dollars because they simply relied on the wire instructions received via email, without further verification. **If funds are to be wired in conjunction with this real estate transaction, we strongly recommend verbal verification of wire instructions through a known, trusted phone number prior to sending funds.**

In addition, the following non-exclusive self-protection strategies are recommended to minimize exposure to possible wire fraud.

- **NEVER RELY** on emails purporting to change wire instructions. Parties to a transaction rarely change wire instructions in the course of a transaction.
- **ALWAYS VERIFY** wire instructions, specifically the ABA routing number and account number, by calling the party who sent the instructions to you. DO NOT use the phone number provided in the email containing the instructions, use phone numbers you have called before or can otherwise verify. **Obtain the number of relevant parties to the transaction as soon as an escrow account is opened.** DO NOT send an email to verify as the email address may be incorrect or the email may be intercepted by the fraudster.
- **USE COMPLEX EMAIL PASSWORDS** that employ a combination of mixed case, numbers, and symbols. Make your passwords greater than eight (8) characters. Also, change your password often and do NOT reuse the same password for other online accounts.
- **USE MULTI-FACTOR AUTHENTICATION** for email accounts. Your email provider or IT staff may have specific instructions on how to implement this feature.

For more information on wire-fraud scams or to report an incident, please refer to the following links:

Federal Bureau of Investigation:
http://www.fbi.gov

Internet Crime Complaint Center:
http://www.ic3.gov

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To:	Kathy Winburn, AICP, City of Alachua Planning & Community Dev. Director
From:	Danika Oliverio, Project Manager
Date:	March 7, 2023 – Resubmitted May 2, 2024
RE:	Pleasant Solar LLC – Comprehensive Plan Consistency Analysis

This Comprehensive Plan Consistency Analysis is submitted in support of the site plan application for Pleasant Solar LLC in Alachua. The proposed use is a solar energy collection and storage facility. The site is ±321.49 acres and includes Alachua County Tax Parcels 03894-000-000 and 03898-000-000. The development area is located at 17910 Peggy Road (north of Peggy Rd/CR 2054), and on the west side of NW 173rd Street/CR 235A. The site's Future Land Use (FLU) categories are Agriculture (A) and Moderate Density Residential (MOD). The Zoning District classifications are Agricultural (A) and Residential District (RSF-4).

The following identifies specific **City of Alachua Comprehensive Plan Goals, Objectives, and Policies** and explains how this application is consistent with each. Comprehensive Plan text is provided in normal font, while consistency statements are provided in **bold**.

FUTURE LAND USE ELEMENT

Policy 2.4.b Landscaping: Buffering – A buffer consists of horizontal space (land) and vertical elements (plants, berms, fences, walls) that physically separate and visually screen adjacent uses. The City shall establish buffer yard requirements that are based on the compatibility of the adjacent uses and the desired result of the buffer.

Landscape buffers are provided per City of Alachua Land Development Regulations (LDRs) and shown on the Landscape Plan submitted with this application. Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001 is included with this application.

All landscape buffers are provided within a 100' setback from the property line around the project perimeter, defined by a black vinyl-coated chain link fence around the solar array and a 25' fire break/maintenance path. The north, west, and southwest buffers are provided by a 15' wide area of preserved existing vegetation and proposed landscape plantings. The northeast and east buffers are provided by a 15' landscape buffer. A 15' buffer is provided around the southern boundary outcrop and a 5' buffer along the remaining southern perimeter. There is a 10' wide landscape buffer surrounding the small, family cemetery plot that is internal to the southern parcel (as shown on the Landscape Section in the approved Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001).

Policy 2.5 a: There shall be a minimum of 10% open space required. The City shall establish incentives for the provision of open space beyond minimum requirements.

The proposed solar collection and storage facility site plan provides ±11% of open space, exceeding the 10% open space requirement. A Landscape Plan showing this information has been submitted with this application.

Policy 5.1.a Topography: The City shall protect the natural topography of the City, including steep and seepage slopes, by requiring new development to include techniques to minimize negative impacts on the natural terrain. An emphasis will be placed on retaining the natural function of seepage slopes during development. Additionally, retention of existing native vegetation will be encouraged as one method of protecting slopes.

The natural drainage pattern of the site will be maintained and there will be minimal grading onsite. Along with the perimeter fence and landscape buffering, the natural slope of the property will further obscure views of the solar panels from CR 235A and adjacent properties. *The geotechnical summary report by GSE has been submitted with this application.*

Policy 5.1.d Wetlands: The City shall utilize statewide wetland delineation methodology in accordance with Florida Administrative Code (FAC) and regulations adopted by the FDEP and the Suwannee River Water Management District.

The application complies with State and Federal laws and regulations for delineation and protection of wetland areas. The wetland is protected with a 50' setback, and the natural depressional areas are protected with a 100' setback. *The geotechnical summary report by GSE has been submitted with this application. The Wetland Delineation Report has been submitted with this application.*

COMMUNITY FACILITIES ELEMENT

Objective 3.5: Stormwater System Design in High Aquifer Recharge Areas
The City shall work with the Suwanee River Water Management District and the FL Dept of Environmental Protection criteria for karst stormwater management system design.

Policy 3.5.a: The following general requirement apply to stormwater management systems within high aquifer recharge areas:

1. Stormwater shall not be directly discharged to active sinkholes;

Natural stormwater sheet flow will be maintained to the existing depression.

2. When soil and water table conditions allow, the use of offline retention systems for stormwater systems shall be required;

The goal of the stormwater treatment plan on this project is to maintain natural drainage patterns; therefore no offline retention systems are proposed.

3. Swale conveyances shall be used to the greatest extent possible and contextually appropriate;

The goal of the stormwater treatment plan on this project is to maintain natural drainage patterns. The majority of the site will remain at natural grade and some areas will be minimally graded. Two basins with swales are proposed in the areas with minimal grading.

4. Projects in areas zoned for industrial land uses shall not discharge industrial pollutants into the stormwater system or allow permit pollutants to come in contact with groundwater;

No industrial uses are proposed on the site. Solar panels are completely sealed. Routine inspection of the facility, including the solar modules, by an Operations & Management provider will occur and in the rare event of panel damage, the modules will be replaced and recycled as needed.

5. Natural depressions may be used for stormwater management only when hydrogeological evidence shows that the geologic structure and soils are stable and unlikely to form a direct connection to the groundwater. To verify geologic stability, the design professional shall provide soil boring information and/or supplemental data such as ground penetrating radar.

Hydrogeological stability is addressed in the geotechnical review, and soil borings are included in the data. Refer to the geotechnical report by GSE, which has been submitted with this application.

6. If the hydrogeological conditions are suitable and a natural depression is proposed for use as part of the stormwater management system, a spreader swale shall be employed at the inflow location;

No point discharges to the existing depression are proposed. Natural sheet flow condition will be preserved.

7. Regular inspection shall be conducted by developer/maintenance entity to visibly check for the indicators of or the existence of solution pipes; and

Inspections will be conducted as described in the Stormwater Operations and Maintenance document. Refer to the Stormwater Report for detailed information.

8. Remedial plugging activities shall employ methodologies acceptable to the applicable regulatory agency (the FL Dept of Environmental Protection or the Suwannee River WMD).

Remedial plugging activities, if required, shall meet the requirements and best practices of the Florida Department of Environmental Protection (FDEP) and Suwannee River Water Management District (SRWMD).

Policy 3.5.c. In addition to the requirements of Policy 3.5.a., stormwater systems in high aquifer recharge areas shall:

1. Use swales, preferably with cross block or raised driveway culverts, to promote retention/infiltration within swales; and

Natural sheet flow and drainage patterns on the site will be maintained.

2. Use shallow, vegetated, offline infiltration systems that are incorporated into a project's open space/landscaping areas.

No offline retention systems are proposed; the stormwater design will maintain natural drainage patterns.

CONSERVATION AND OPEN SPACE ELEMENT

Policy 1.2.j. The City shall require all new developments to maintain internal and external connectivity of all open space to the maximum extent practicable.

The ±11% open space set-aside exceeds the 10% requirement for the site. The project proposes to retain the existing wooded vegetation within the buffer areas of the 100 foot setback around the site's external perimeter. The majority of this existing wooded area stretches from the southwest, along the western boundary, and across the northern property line for a length of over 10,000 feet.

As shown on the Site Plan, the majority of the open space is located in the buffers. The open space area around the perimeter of the solar array will not be disturbed, affected by grading activities, and will remain natural and traversable for wildlife. Refer to the Memorandum "Pleasant Solar Perimeter Fencing and Wildlife Corridor" prepared by CHW Ecological Services for more information.

The open space area surrounding the existing natural depression is proposed to remain within the fenced area of the site for safety. The internal area of the site within the fence will be comprised of solar collection equipment and will be unmanned and remotely monitored. No parking areas or facilities will be provided. To provide safety for the public, the internal solar array areas of the site will be fully fenced. The land underneath the solar array area will be seeded with pollinator friendly plant species to increase biodiversity and benefit pollinating invertebrates.

Policy 1.8.a. The City shall comply with the Alachua County Hazardous Materials Management Code.

The purpose of the Alachua County Hazardous Material Management Code is to regulate and provide standards for storage, handling, and monitoring of hazardous materials to prevent discharges to the environment.

Solar panels are not addressed in the Alachua County Hazardous Materials Management Code. Federal and state solid and hazardous waste regulations may apply to solar panels only at the point that they are removed from service and/or must be discarded. Therefore, no monitoring is required.

Policy 1.10.a: The City shall utilize statewide wetland delineation methodology in accordance with Florida Administrative Code and regulations adopted by the DEP and the Suwannee River Water Management District.

An environmental analysis was conducted for the site. One wetland and three depressional areas were identified. A Site Plan (submitted with this application) has been designed to protect these areas with a 50' setback around the wetland area, and 100' setbacks around the depressional areas. *The geotechnical summary report by GSE has been submitted with this application. The Wetland Delineation Report and Sinkhole Survey have been submitted with this application.*

Objective 1.13 Energy Conservation. The City shall encourage and promote the conservation of energy resources to reduce negative impacts to the environment.

Solar energy use supports the City's objective to conserve energy resources and reduce negative impacts to the environment. This proposed solar energy collection and storage facility will provide the City of Alachua and surrounding areas with an additional source of renewable energy.

To:	Kathy Winburn, AICP, City of Alachua Planning & Community Dev. Director
From:	Danika Oliverio, Project Manager
Date:	March 7, 2024 – Resubmitted May 2, 2024
RE:	Pleasant Solar LLC – Concurrency Impact Analysis

This Concurrency Impact Analysis is submitted in support of the site plan application for the Pleasant Solar LLC in Alachua. The proposed use is a solar energy collection and storage facility. The site is ±321.49 acres and includes Alachua County Tax Parcels 03894-000-000 and 03898-000-000. The development area is located at 17910 Peggy Road (north of Peggy Rd/CR 2054), and on the west side of NW 173rd Street/CR 235A. The site's Future Land Use (FLU) categories are Agriculture (A) and Moderate Density Residential (MOD). The Zoning District classifications are Agricultural (A) and Residential District (RSF-4).

The following analysis estimates potential impacts on City of Alachua public facilities that may result from the proposed development.

Roadways / Transportation

Table 1: Projected Trip Generation

Variable Type	Variable Size	Daily	AM Peak			PM Peak		
		Total	Total	In	Out	Total	In	Out
KSF GLA	1	1	0	0	0	0	0	0

NOTE: The Solar Facility will be unmanned and monitored remotely. There will be a maintenance visit once or twice monthly.

Conclusion: Approval of this application may generate up to **1 daily vehicle trip**. Thus, the proposed development will not negatively impact the adopted LOS for adjacent and nearby roadways, as demonstrated in Tables 2 of this report.

Per City LDR §2.4.14(H)(2), affected roadways for developments generating *less* than 1,000 external average daily trips (ADT) are those within one-half mile of the development's ingress/egress, or to the nearest intersecting major street, whichever is greater. Table 2 calculates projected impacts on City of Alachua roadways.

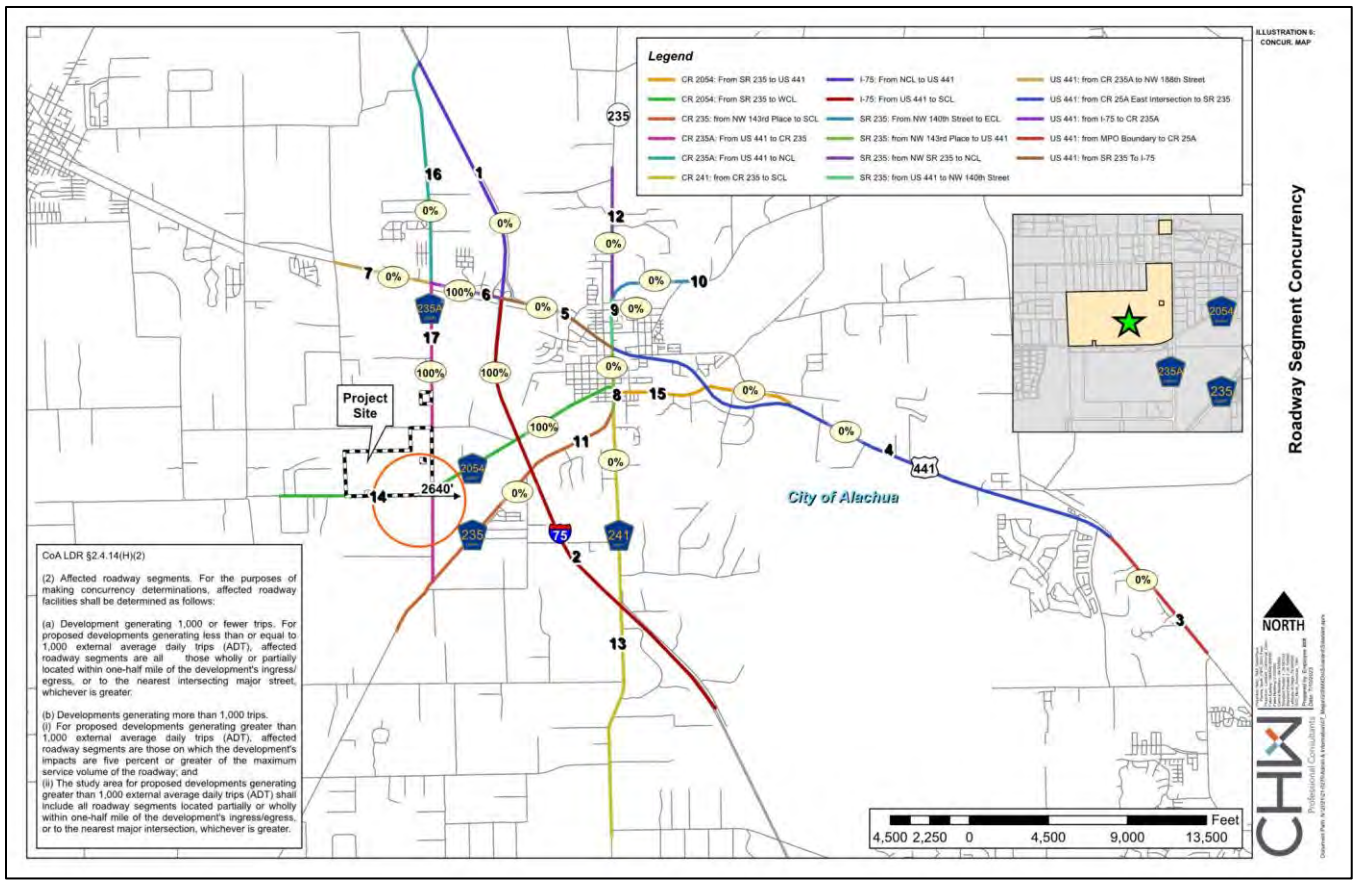

Figure 1: Traffic Segment Map

Table 2a: Projected Impacts on Roadway Segments 14 and 17

Traffic System Category	AADT	PM	AADT	PM
	Segment 14		Segment 17	
	CR 2054 - From SR 235 to West City Limit		CR 235A – From US 441 To CR 235	
Maximum Service Volume[1]	15,120	1,359	15,120	1,359
Existing Traffic[1]	2,498	237	5,302	504
Reserved Trips[1]	0	0	0	0
Available Capacity	12,622	1,122	9,671	838
Projected Trip Generation[2]	1	0	1	0
Available Capacity w/ Application approval	**12,621**	**1,122**	**9,670**	**838**

1. *Source: City of Alachua June 2023 Development Monitoring Report*
2. *NOTE: Projected trip distribution percentage is as follows:*
    a. *Segment 14 and 17: 100%*

Table 2b: Projected Impacts on Roadway Segments 2 and 6

Traffic System Category	AADT	PM	AADT	PM
	Segment 2		Segment 6	
	I-75, From US 441 to the South City Limit		US Hwy 441 – From I-75 to CR 235A	
Maximum Service Volume[1]	91,600	8,250	39,000	3,510
Existing Traffic[1]	67,958	7,136	27,914	2,652
Reserved Trips[1]	0	0	0	0
Available Capacity	23,257	1,076	8,089	606
Projected Trip Generation[2]	1	0	1	0
Available Capacity w/ Application approval	**23,256**	**1,076**	**8,088**	**606**

1. *Source: City of Alachua June 2023 Development Monitoring Report*
2. *NOTE: Projected trip distribution percentage is as follows:*
    a. *Segment 2 and 6: 100%*

Conclusion: Affected roadway segments include Segments 2, 6, 14, and 17. There is available capacity with this application's approval. Therefore, this development *will not* cause the roadway segments to fall below the LOS standards.

Potable Water/Sanitary Sewer

Table 3: Projected Potable Water Impact

System Category	Gallons Per Day (GPD)
Current Permitted Capacity[1]	2,300,000
Less actual Potable Water Flows[1]	1,309,883
Reserved Capacity[1]	295,666
Residual Capacity[1]	613,501
Percentage of Permitted Design Capacity Utilized[1]	73.33%
Projected Potable Water Demand from Proposed Project[2]	0
Residual Capacity after Proposed Project	**613,501**

1. *Source: City of Alachua June 2023 Development Monitoring Report*
2. *Formulas used: (1 gallon per unit up to 200 units [200] + 1 gallon for each 2 units over 200 [128/2])*
    a. *Source: 62-6.008 Florida Administrative Code (FAC)*

*Note: After construction, the landscape plantings will be temporarily irrigated using the **existing on-site well**. Refer to Site Plan & Irrigation Plan for water source information/location.*

Conclusion: There is residual capacity with this application's approval. Therefore, the proposed development *will not* cause the City's potable water facilities to fall below LOS standards.

Table 4: Projected Sanitary Sewer Impact

System Category	Gallons Per Day (GPD)
Treatment Plant Current Permitted Capacity[1]	1,500,000
Less actual Treatment Plant Flows[1]	719,250
Reserved Capacity[1]	278,135
Residual Capacity[1]	502,615
Percentage of Permitted Design Capacity Utilized[1]	66.49%
Projected Potable Water Demand from Proposed Project[2]	0
Residual Capacity after Proposed Project	**502,615**

1. *Source: City of Alachua June 2023 Development Monitoring Report*
2. *Formulas used: (1 gallon per unit up to 200 units [200] + 1 gallon for each 2 units over 200 [128/2])*
    a. *Source : 62-6.008 Florida Administrative Code (FAC)*

Conclusion: There is residual capacity with this application's approval. Therefore, the proposed development will not cause sanitary sewer facilities to fall below LOS standards.

Solid Waste

Table 5: Projected Solid Waste Impact

System Category	LBs Per Day	Tons Per Year
Existing Demand[1]	43,376.00	7,916.12
Reserved Capacity[1]	38,651.26	7,053.85
New River Solid Waste Facility Capacity[1]	50 years	
Solid Waste Generated by Proposed Project[2]		**0**

1. *Source: City of Alachua June 2023 Development Monitoring Report.*
2. *Source: Sincero and Sincero; Environmental Engineering: A Design Approach. Prentice Hall, New Jersey, 1996. Formula used: (((12 lbs. / 1,000 ft^2/day x 56299 sq. ft.) x 365)/2,000)*

Conclusion: There is available capacity with this application's approval. Therefore, the proposed development *will not* cause the City's solid waste facilities to fall below LOS standards.

Mailed Memorandum

NEIGHBORHOOD MEETING NOTIFICATION

PN 21-0275

To: Neighbors of Peggy Road / CR 235A Intersection

From: Craig Brashier, AICP

Date: 13 April 2022

RE: Neighborhood Meeting Public Notice

A Neighborhood Meeting will be held to discuss a Special Exception application and site plan application on ±320 acres in the City of Alachua (Alachua County Tax Parcels # 03894-000-000 and 03898-000-000). The property's Future Land Use classifications are Agriculture and Moderate Density Residential. The property's zoning districts are Agriculture (A) and Residential Single Family (RSF-4).

The site is located generally at the northwestern intersection of Peggy Road and County Road 235A.

The intent of the Special Exception application is to permit a solar energy collection facility, which is considered a "major utility" by City of Alachua Land Development Regulations. Major utilities are permitted in the property's zoning districts by Special Exception, per City of Alachua Land Development Regulations Table 4.1-1.

The solar energy collection facility will be operated by Solariant Capital, LLC. More information about Solariant can be found at their website, https://www.solariantcapital.com/.

Meeting Details:

Date: 27 April 2022

Time: 6:00 PM

Location: CHW Office, 11801 Research Drive, Alachua, FL, 32615

Contact: Craig Brashier, AICP
11801 Research Drive
Alachua, FL 32615
(352) 331-1976
Live@CHW-inc.com

This is not a public hearing. The purpose of the neighborhood meeting is to inform the public about the nature of the proposal and seek their comments.

If you are unable to attend the meeting, please contact CHW using the information above, and we will provide materials after the meeting is held. Comments may also be submitted in writing to the address or email above or by phone at the phone number above.

t: (904) 619-6521 | 8563 Argyle Business Loop, Suite 3, Jacksonville, FL 32244
t: (352) 331-1976 | 11801 Research Drive, Alachua, FL 32615
t: (352) 414-4621 | 101 NE 1st Avenue, Ocala, FL 34470
www.chw-inc.com

Mailing Labels

03864-025-001
VAN DEN BOSCH RICHARD & NADINE M
17118 NW 138TH AVE
ALACHUA, FL 32615

03894-000-000
WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

03896-003-001
EMERSON JAMES E & GAIL D
PO BOX 1496
ALACHUA, FL 32616

03896-006-000
HILL MICHAEL ALLEN & YVONNE JO
17756 NW 138TH AVE
ALACHUA, FL 32615

03896-006-004
BLUE BIRD HILL FARM LLC
PO BOX 1496
ALACHUA, FL 32616

03896-013-000
SMITH JUSTIN W & KELLY D
803 CEDAR KNOLL DR NORTH
LAKELAND, FL 33809

03897-000-000
CLAY ELECTRIC CO-OP INC
PO BOX 308
KEYSTONE HEIGHTS, FL 32656

03898-000-000
ALSPAUGH & BROWN TRUSTEE & HEND
% HIMMELRICH AND COMPANY
898 SW 21ST ST
BOCA RATON, FL 33486

03900-010-001
OSWALT LUTHER E TRUSTEE
17705 NW 138TH AVE
ALACHUA, FL 32615

03900-010-002
MIESCH THOMAS C & BARBARA A
130 ARAPAHO TRAIL
CRESTVIEW, FL 32536

03903-001-006
BROWN JAMES RANDALL & KAREN P
13151 NW 173RD ST
ALACHUA, FL 32615

03903-030-001
PARRISH CHRISTOPHER
17127 NW 138TH AVE
ALACHUA, FL 32615

03903-030-002
RIZZO III & RIZZO TRUSTEES
13505 NW 173RD ST
ALACHUA, FL 32615

03903-030-003
PRICE TIMOTHY C
13415 NW 173RD ST
ALACHUA, FL 32615

03903-030-006
DONO DHURATA
13331 NW 173RD ST
ALACHUA, FL 32615

03894-000-000
WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

03894-002-000
CEMETERY
GENERAL DELIVERY
GAINESVILLE, FL 32601

03884-000-000
HORTON MELVIN JAY & LYNN R
19005 NW 138TH AVE
ALACHUA, FL 32615

03886-002-000
SHIVERS JAMES DANIEL TRUSTEE
PO BOX 1034
ALACHUA, FL 32615

03892-002-000
GRAHAM & GRAHAM & ROSEGGER
518 HUNTERS RUN BLVD
LAKELAND, FL 33809

03893-001-000
BLAKE EVELYN
18416 PEGGY RD
ALACHUA, FL 32615

03894-000-000
WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

03894-002-000
CEMETERY
GENERAL DELIVERY
GAINESVILLE, FL 32601

03898-000-000
ALSPAUGH & BROWN TRUSTEE & HENL
% HIMMELRICH AND COMPANY
898 SW 21ST ST
BOCA RATON, FL 33486

03900-010-001
OSWALT LUTHER E TRUSTEE
17705 NW 138TH AVE
ALACHUA, FL 32615

03900-010-002
MIESCH THOMAS C & BARBARA A
130 ARAPAHO TRAIL
CRESTVIEW, FL 32536

03900-010-003
MIESCH THOMAS C & BARBARA A
130 ARAPAHO TRAIL
CRESTVIEW, FL 32536

03900-010-004
PURVIS CHARLES GLENN
14909 NW 107TH TER
ALACHUA, FL 32615

03900-010-005
PURVIS WALLACE RAY JR
1441 PALI HWY
HONOLULU, HI 96813

03900-010-006
HARRINGTON JAMES T III
2600 NW 111 TH ST
MIAMI, FL 33167

03900-010-007
HARRINGTON JAMES T III
2600 NW 111TH ST
MIAMI, FL 33167

03900-010-009
DELGADO & MILLER W/H
18509 NW 138TH AVE
ALACHUA, FL 32615

03900-010-010
DELGADO & MILLER H/W
18509 NW 138TH AVE
ALACHUA, FL 32615

03900-010-011
BATTE JUSTIN & CANDACE LAUREN
434 nw 134th way 2-102
NEWBERRY, FL 32669

03903-001-000
NATION JAMES L & DOROTHY C
PO BOX 352
ALACHUA, FL 32615

03903-001-003
BOGLE TIMOTHY A & JENNIFER ANN
13139 NW 173RD ST
ALACHUA, FL 32615

03903-001-004
ARIFF ROBYN JILL
13207 NW 173RD ST
ALACHUA, FL 32615

03903-001-005
NATION JAMES L & DOROTHY C
PO BOX 352
ALACHUA, FL 32616

03903-001-006
BROWN JAMES RANDALL & KAREN P
13151 NW 173RD ST
ALACHUA, FL 32615

03903-030-003
PRICE TIMOTHY C
13415 NW 173RD ST
ALACHUA, FL 32615

03903-030-006
DONO DHURATA
13331 NW 173RD ST
ALACHUA, FL 32615

03905-002-001
BAUGH SOUTHEAST COOPERATIVE INC
SYSCO CORPORATION
ATTN TAX DEPARTMENT 1390 ENCLAVE
HOUSTON, TX 77077

03983-000-000
WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

03983-002-000
DOLGENCORP LLC
DOLLAR GENERAL # 96800 #1635 , ATTN:
100 MISSION RIDGE
GOODLETTSVILLE, TN 37072

03985-001-000
DOLGENCORP LLC
DOLLAR GENERAL # 96800 #1635 , ATTN:
100 MISSION RIDGE
GOODLETTSVILLE, TN 37072

03985-002-000
WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

03985-032-000
DOLGENCORP LLC
DOLLAR GENERAL # 96800 #1635 , ATTN:
100 MISSION RIDGE
GOODLETTSVILLE, TN 37072

03985-043-000
ROSS & ROSS & ROSS
17327 PEGGY RD
ALACHUA, FL 32615

03986-000-000
WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

Newspaper Advertisement

PUBLIC NOTICE

A Neighborhood Meeting will be held to discuss a Special Exception application on ±320 acres in the City of Alachua (Alachua County Tax Parcels # 03894-000-000 and 03898-000-000). The property's Future Land Use classifications are Agriculture and Moderate Density Residential. The property's zoning districts are Agriculture (A) and Residential Single Family (RSF-4).

The intent of the Special Exception application is to permit a solar energy collection facility, which is considered a "major utility" by City of Alachua Land Development Regulations. Major utilities are permitted in the property's zoning districts by Special Exception.

The site is located generally at the northwestern intersection of Peggy Road and County Road 235A.

This is not a public hearing. The purpose of this meeting is to inform the public about the nature of the proposals and seek their comments.

Time: 6:00 pm on April 27, 2022
Location: CHW Office, 11801 Research Drive, Alachua, FL, 32615

Contact: Craig Brashier, AICP
Phone Number: (352) 331-1976
Email: Live@CHW-inc.com

CHW
Professional Consultants

Alimony

Continued from Page 3A

Battle over alimony in Florida has been decades-long

Proponents launched the latest offensive in the decade-long battle three years ago. That's when Marc Johnson formed the Florida Family Fairness Political Committee (FFFPC) to end life-long alimony payments and impose a presumption of equal custody of children.

FFFPC was seeded with $28,000 from the now-defunct Florida Family Law Reform (FFLR) Political Action Committee and another $20,000 from Key West millionaire James Lindstrom. Before disbanding, FFLR also donated to the campaigns of eight lawmakers who voted for SB 1796 and to Gov. Ron DeSantis.

FFFPC spent $46,000 in contributions to lawmakers' campaigns and three other political action committees leading up to the 2020 election. Those three committees contributed to the campaigns of at least another 10 lawmakers who supported SB 1796, including Senate President Wilton Simpson and incoming House Speaker Paul Renner.

Fiveash notes that FFPC shares the same mailing address, telephone number and treasurer or registered agent with a half-dozen other committees that funneled millions of dollars to Republican lawmakers, the Florida House Republican Campaign, and the Florida Republican Party itself.

"They are all the same people: A bunch of wealthy men and their lawyers. Whenever they think they need to clean up their image, they change their name," Fiveash said.

Fiveash describes what she calls an incestuous relationship among the committees that funds a cash pipeline to the Legislature to tilt Florida law toward the interest of men who had dumped their wives as they prepare for retirement.

Four committees connected to FFPC — the Eagle Eye PAC, Florida Conservative Committee, Conservatives for Principled Leadership, and the Conservative Legacy Fund — at a suite of offices opposite the Capitol contributed at least $134,000 to 15 lawmakers and candidates in 2020 and another $1.5 million to committees affiliated with the Republican Party or have a history of supporting GOP candidates.

SB 1796 passed the Senate on a straight party-line vote. It was approved in the House where two Democrats crossed the aisle and voted with Republicans.

Sen. Joe Gruters, R-Sarasota, doubles as the GOP state party chair, and defended the bill he sponsored as a way to provide "consistency and predictability" in divorce proceedings.



When lawmakers sent a similar proposal to then Gov. Rick Scott in 2016, protesters descended on Scott's office to demand a veto JOE RONDONE/DEMOCRAT

The proposal sets up a schedule for alimony payments based on the length of a marriage. There would be no alimony for a marriage of less than three years, and spouses in a marriage of longer than 20 years would be eligible to receive payments for a time equal to 75% of the length of the marriage.

"It eliminates the inequitable standard of maintaining the 'marital lifestyle' post-divorce that causes so much litigation and replaces it with a more reasonable presumption that lifestyles of the parties will presumably be lower when the same marital income is sustaining two households," said Johnson, chair of Florida Family Fairness, Inc.

The bill is retroactive and could void thousands of divorce agreements.

Gruters said his intent is to provide "parameters and guidance for courts to use" when reviewing a petition to modify an alimony agreement. Alimony recipients who are caregivers to disabled children, or whose income is up to 130% of federal poverty level without alimony, would be able to petition the court to extend alimony payments.

Sponsor calls it 'fairest and most equitable' alimony reform bill ever

Rep. Jenna Persons-Mulicka, R-Fort Myers, the bill's House sponsor, said it was "the fairest and most equitable" alimony reform bill the Legislature had ever seen.

"It balances the goal to protect those who need alimony the most, with the goal to reduce the need for exhaustive and costly litigation," Persons-Mulicka said.

A contentious provision in the measure would require judges to begin with a "presumption" that children should split their time equally between parents. Scott flagged a similar child-sharing requirement in a 2016 veto as not necessarily in a child's best interest.

The Florida Bar Family Law Section and the American Academy of Matrimonial Lawyers worked with Gruters and Persons-Mulicka on the proposal.

They were surprised by a strike-all amendment in the session's final week that created the 50/50 children time-share presumption and made the end to permanent alimony agreements retroactive. The Florida Bar pulled its support.

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Jones

Continued from Page 3A

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Continued from Page 3A

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PUBLIC NOTICE

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The intent of the Special Exception application is to permit a solar energy collection facility, which is considered a "major utility" by City of Alachua Land Development Regulations. Major utilities are permitted in the property's zoning districts by Special Exception.

The site is located generally at the northwestern intersection of Peggy Road and County Road 235A.

This is not a public hearing. The purpose of this meeting is to inform the public about the nature of the proposals and seek their comments.

Time: 6:00 pm on April 27, 2022
Location: CHW Office, 11801 Research Drive, Alachua, FL, 32615

Contact: Craig Brashier, AICP
Phone Number: (352) 331-1976
Email: Live@CHW-inc.com

CHW

NOTICE OF PUBLIC HEARING

The Alachua County Board of County Commissioners will hold public hearings Tuesday, April 26, 2022. The meeting will be held in the John R. "Jack" Durrance Auditorium, room 209, 12 SE 1st Street, Gainesville, Florida to consider the following quasi-judicial zoning items:

Item to be considered at 11:30 AM or as soon thereafter as it may be heard:

ZOM-04-22 (Fletcher's Financial rezoning)
A request by Ryan Thompson of CHW Inc., agent, for Fletcher's Center West, LLC, owners, to rezone from the BR (Business, Retail Sales and Services) and BW (Wholesale and Warehousing) zoning districts to the BH (Highway Oriented Business) zoning district. The site has a future land use designation of Commercial (Jonesville Activity Center) and is approximately 1.02 acres, located on tax parcel number 04344-007-002 at 14133 W. Newberry Rd.

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ZOX-03-21 (Duke Energy Substation Special Exception, continued from 12/14/21)
A request by Shutts & Bowen LLP, agent, for Duke Energy Florida, Inc., owner, for a special exception to allow a major utility in the Agriculture zoning district. The site has an existing utility substation and is proposing to add a new, unmanned telecommunications shelter (13' x 17' building within a 40' x 40' gated compound area). As the existing substation predates the Comprehensive Plan and ULDC (operating since 1962), it exists as a legal, nonconforming use. The site has a future land use designation of Institutional and is approximately 15.12 acres, located on tax parcel number 04631-001-000 at 10329 SW 154th St.

This meeting will allow for in person participation at 12 SE 1st Street, Gainesville, FL, Second Floor, Jack Durrance Board Room.

PUBLIC COMMENTS / PARTIES / EVIDENCE

The public is encouraged to submit any written or photographic documents prior to the meeting.

No later than 7 calendar days prior to the hearing, an individual or entity wishing to participate as a party in a quasi-judicial public hearing must provide the County with a written request to be considered as a party. The request must include a factual basis for why the requestor believes that he or she should be allowed to participate as a party.

If an individual or entity intends to participate as a party and provide evidence, beyond testimony, at the public hearing, the individual or entity must provide electronic copies of all evidence to the County no later than 5 calendar days prior to the hearing. Any evidence provided electronically will be entered into the record and provided to all identified parties.

All comments, party requests and party evidence should be submitted at:
https://growth-management.alachuacounty.us/PublicComment

The Planning Commission shall consider written requests for party status at the outset of the hearing and make a determination of which requesting individuals or entities qualify for party status in the hearing.

If any accommodations are needed for persons with disabilities, please contact the Alachua County Equal Opportunity Office at least two business days in advance at (352) 374-5275 (voice) or (352) 374-5284 TDD users, please call 711 (Florida Relay Service). Printed materials are available in alternate format upon request.

All persons are advised that, if they decide to appeal any decision made at this public hearing or meeting, they will need a record of the proceedings and, for such purpose, they may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

General Information: A draft of the above items will be available on Friday of the week preceding the meeting by visiting https://mapgenius.alachuacounty.us/development-projects/. For further information call (352) 374-5249. Visit www.alachuacounty.us and click on the meetings tab on the homepage for the most up to date information.

Workshop Presentation

Pleasant Solar + Storage

Special Exception and Site Plan Applications

SOLARIANT

CHW
Professional Consultants

City of Alachua
Neighborhood Meeting
April 27, 2022

The purpose of the neighborhood meeting:

The City of Alachua requires applicants to host a neighborhood meeting *prior* to application submittal.

The purpose is to inform neighbors of the proposed action's nature and to get feedback early in the process.

This meeting provides the applicant with an opportunity to identify concerns prior to the application's submission.



PUBLIC NOTIFICATION

NEIGHBORHOOD MEETING NOTIFICATION

To:	Neighbors of Peggy Road / CR 235A Intersection
From:	Craig Brashier, AICP
Date:	13 April 2022
RE:	Neighborhood Meeting Public Notice

A Neighborhood Meeting will be held to discuss a Special Exception application and site plan application on ±320 acres in the City of Alachua (Alachua County Tax Parcels # 03894-000-000 and 03898-000-000). The property's Future Land Use classifications are Agriculture and Moderate Density Residential. The property's zoning districts are Agriculture (A) and Residential Single Family (RSF-4).

The site is located generally at the northwestern intersection of Peggy Road and County Road 235A.

The intent of the Special Exception application is to permit a solar energy collection facility, which is considered a "major utility" by City of Alachua Land Development Regulations. Major utilities are permitted in the property's zoning districts by Special Exception, per City of Alachua Land Development Regulations Table 4.1-1.

The solar energy collection facility will be operated by Solariant Capital, LLC. More information about Solariant can be found at their website, https://www.solariantcapital.com/.

SOLARIANT

Meeting Details:

Date:	27 April 2022
Time:	6:00 PM
Location:	CHW Office, 11801 Research Drive, Alachua, FL, 32615
Contact:	Craig Brashier, AICP 11801 Research Drive Alachua, FL 32615 (352) 331-1976 Live@CHW-inc.com

This is not a public hearing. The purpose of the neighborhood meeting is to inform the public about the nature of the proposal and seek their comments.

If you are unable to attend the meeting, please contact CHW using the information above, and we will provide materials after the meeting is held. Comments may also be submitted in writing to the address or email above or by phone at the phone number above.

www.chw-inc.com

Alimony

Continued from Page 3A

Battle over alimony in Florida has been decades-long

Proponents launched the latest offensive in the decade-long battle three years ago. That's when Mark Johnson formed the Florida Family Fairness Political Committee (FFFPC) to end life-long alimony payments and impose a presumption of equal custody of children.

FFFPC was seeded with $28,000 from the now-defunct Florida Family Law Reform (FFLR) Political Action Committee and another $20,000 from Key West millionaire James Lindstrom. Before disbanding, FFLR also donated to the campaigns of eight lawmakers who voted for SB 1796 and to Gov. Ron DeSantis.

FFFPC spent $46,000 in contributions to lawmakers' campaigns and three other political action committees leading up to the 2020 election. Those three committees contributed to the campaigns of at least another 10 lawmakers who supported SB 1796, including Senate President Wilton Simpson and incoming House Speaker Paul Renner.

Fiveash notes that FFPC shares the same mailing address, telephone number and treasurer or registered agent with a half-dozen other committees that funneled millions of dollars to Republican lawmakers, the Florida House Republican Campaign, and the Florida Republican Party itself.

"They are all the same people: A bunch of wealthy men and their lawyers. Whenever they think they need to clean up their image, they change their name," Fiveash said.

Fiveash describes what she calls an incestuous relationship among the committees that funds a cash pipeline to the Legislature to tilt Florida law toward the interest of men who had dumped their wives as they prepare for retirement.

Four committees connected to FFPC — the Eagle Eye PAC, Florida Conservative Committee, Conservatives for Principled Leadership, and the Conservative Legacy Fund — at a suite of offices opposite the Capitol contributed at least $134,000 to 15 lawmakers and candidates in 2020 and another $1.5 million to committees affiliated with the Republican Party or have a history of supporting GOP candidates.

SB 1796 passed the Senate on a straight party-line vote. It was approved in the House where two Democrats crossed the aisle and voted with Republicans.

Sen. Joe Gruters, R-Sarasota, doubles as the GOP state party chair, and defended the bill he sponsored as a way to provide "consistency and predictability" in divorce proceedings.

The proposal sets up a schedule for alimony payments based on the length of a marriage. There would be no alimony for a marriage of less than three years, and spouses in a marriage of longer than 20 years would be eligible to receive payments for a time equal to 75% of the length of the marriage.

"It eliminates the inequitable standard of maintaining the 'marital lifestyle' post-divorce that causes so much litigation and replaces it with a more reasonable presumption that lifestyles of the parties will presumably be lower when the same marital income is sustaining two households," said Johnson, chair of Florida Family Fairness, Inc.

The bill is retroactive and could void thousands of divorce agreements.

Gruters said his intent is to provide "parameters and guidance for courts to use" when reviewing a petition to modify an alimony agreement. Alimony recipients who are caregivers to disabled children, or whose income is up to 130% of federal poverty level without alimony, would be able to petition the court to extend alimony payments.

Sponsor calls it 'fairest and most equitable' alimony reform bill ever

Rep. Jenna Persons-Mulicka, R-Fort Myers, the bill's House sponsor, said it was "the fairest and most equitable" alimony reform bill the Legislature had ever seen.

"It balances the goal to protect those who need alimony the most, with the goal to reduce the need for exhaustive and costly litigation," Persons-Mulicka said.

A contentious provision in the measure would require judges to begin with a "presumption" that children should split their time equally between parents. Scott flagged a similar child-sharing requirement in a 2016 veto as not necessarily in a child's best interest.

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When lawmakers sent a similar proposal to then Gov. Rick Scott in 2016, protesters descended on Scott's office to demand a veto JOE RONDONE/DEMOCRAT

Jones

Continued from Page 3A

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General Information: A draft of the above [illegible] available on Friday of the week [illegible] meeting by viewing [illegible]. For [illegible] information call (352) 374-5249. Visit [illegible] and click on the meetings tab on the [illegible] for the most up to date information.

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Contact: Craig Brashier, AICP
Phone Number: (352) 331-1976
Email: Live@CHW-inc.com

CHW

SOLARIANT EXPERTISE & BACKGROUND

United States

- Based in Pasadena, CA; development team across the U.S. (including in FL)
- Solariant Capital LLC is mandated by its investors to source and structure financing for U.S. infrastructure and renewable energy projects
- Solariant is currently developing 12+ solar and storage projects totaling more than 1,000 MWp of solar and 2.5 GWh of battery storage

Japan

- Solariant Inc. & Solariant Japan Co., Ltd., established in 2012 with offices in Tokyo
- Since expanded its operation with 90 team members in four offices in Asia
- Completed development of seven utility-scale power projects throughout Japan
- Other activities include developing woody biomass plantations and pellet plants in the Philippines and SE Asian countries to supply fuel for Japanese biomass energy plants

INTENT:

Permit and build a 74.9 MWac PV solar energy collection and energy storage facility.

REQUESTS:

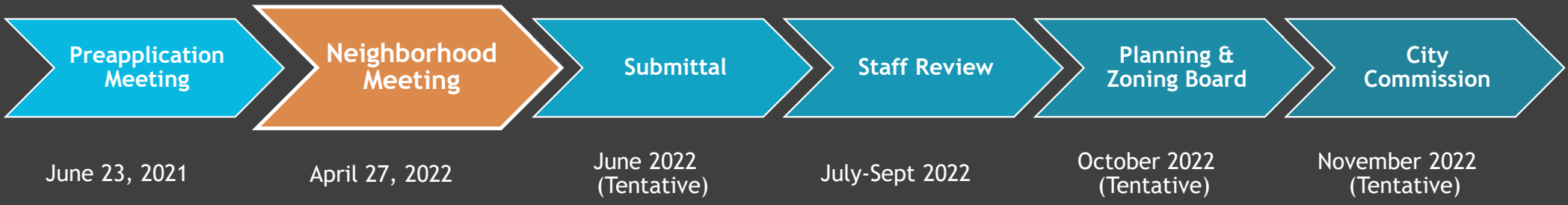
- Special Exception Application for a major utility
- Site Plan Application

OPPORTUNITIES:

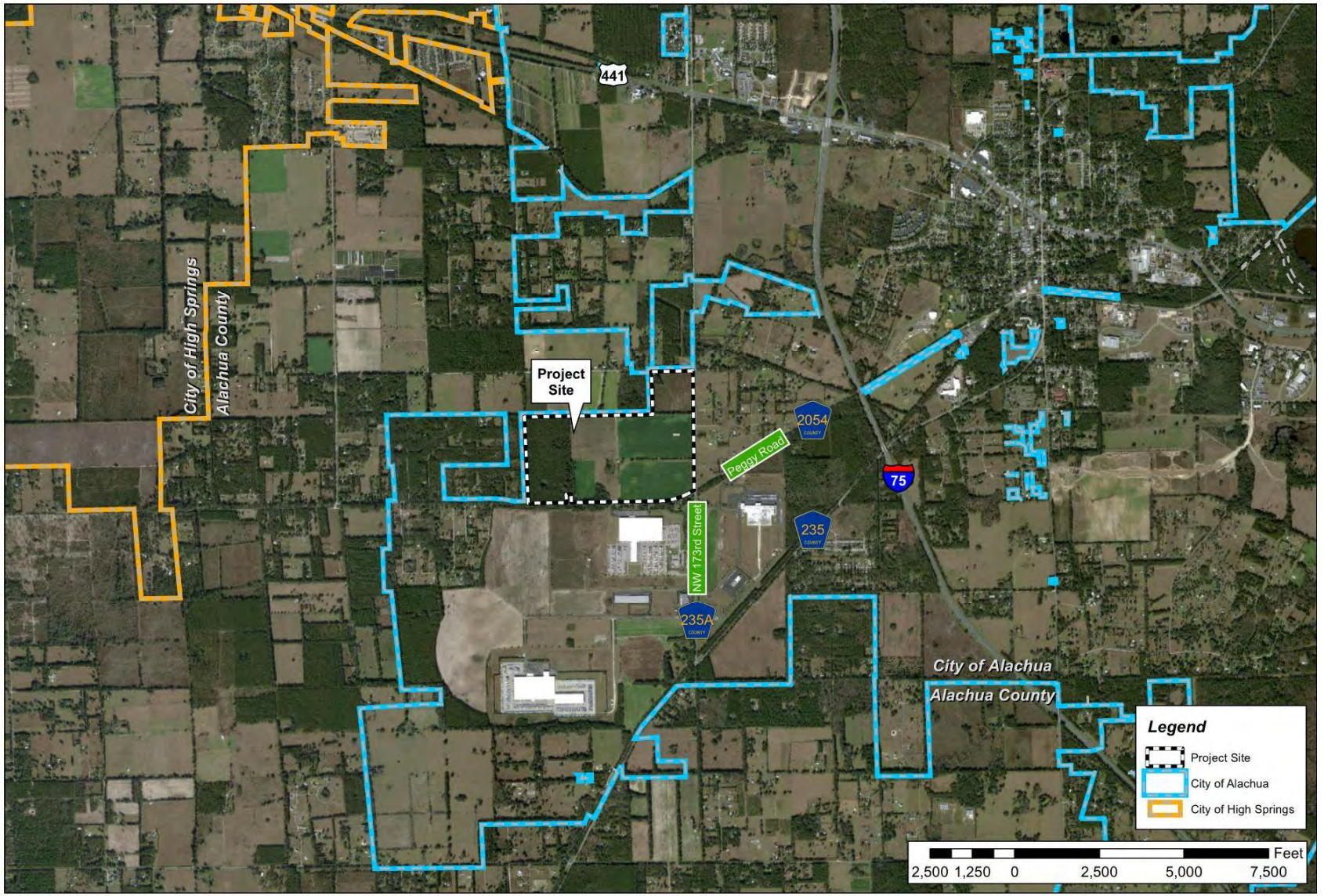
- Diversify energy supply for North Central Florida
- Reserve undeveloped land on boundary of city with low-intensity use for years to come
- Economic development, job creation, and community benefits (e.g. property tax revenue)



SPECIAL EXCEPTION
ESTIMATED TIMELINE



Context Map

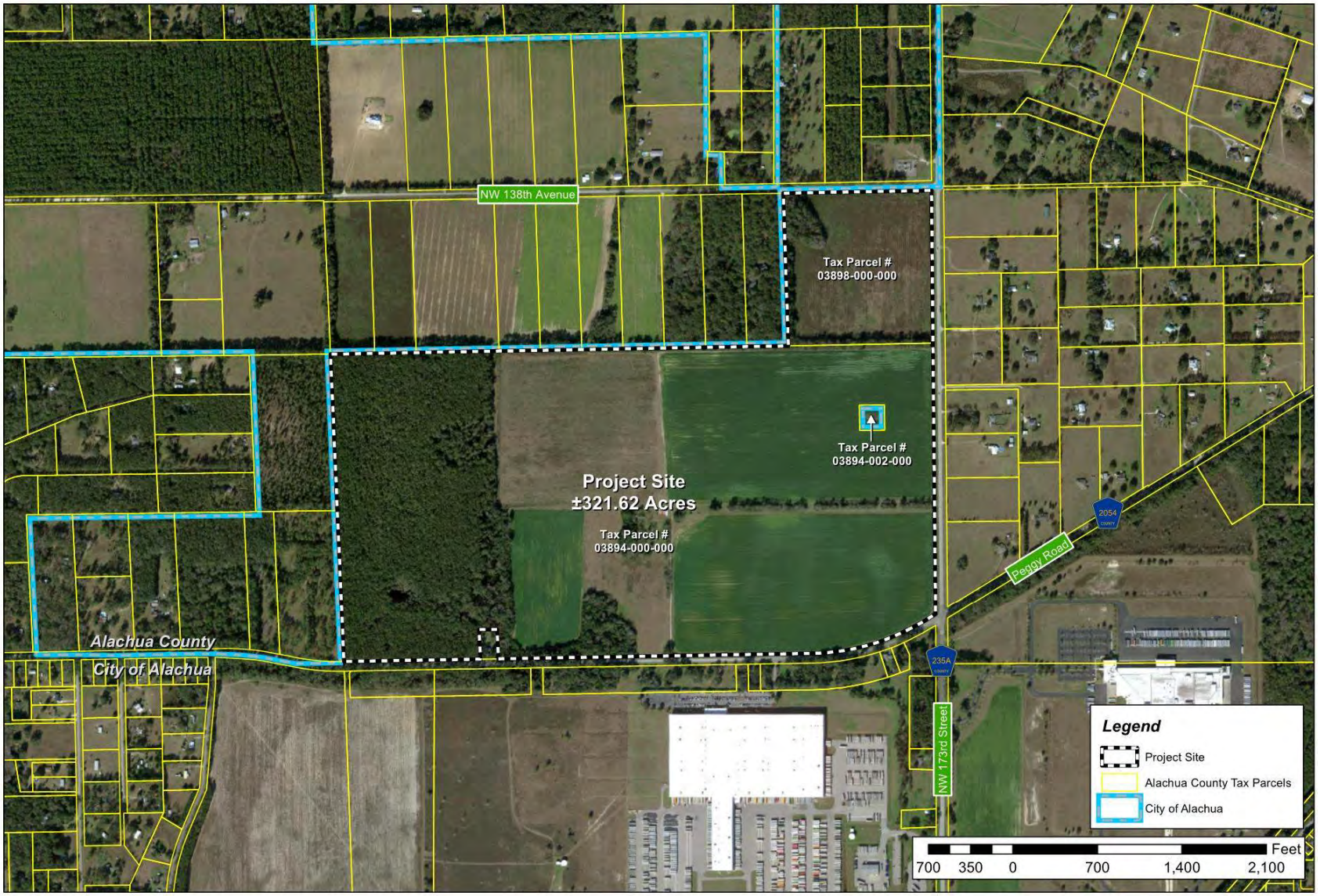

441
City of High Springs
Alachua County
Project Site
2054
Peggy Road
75
NW 173rd Street
235
235A
City of Alachua
Alachua County
Legend
Project Site
City of Alachua
City of High Springs
Feet
2,500 1,250 0 2,500 5,000 7,500

Aerial Map

Tax Parcel # 03894-002-000 contains a cemetery. This parcel will not be included in the Special Exception application.

Access to this cemetery will be maintained and improved with the new use via a constructed road, and the cemetery will be buffered appropriately from adjacent use.

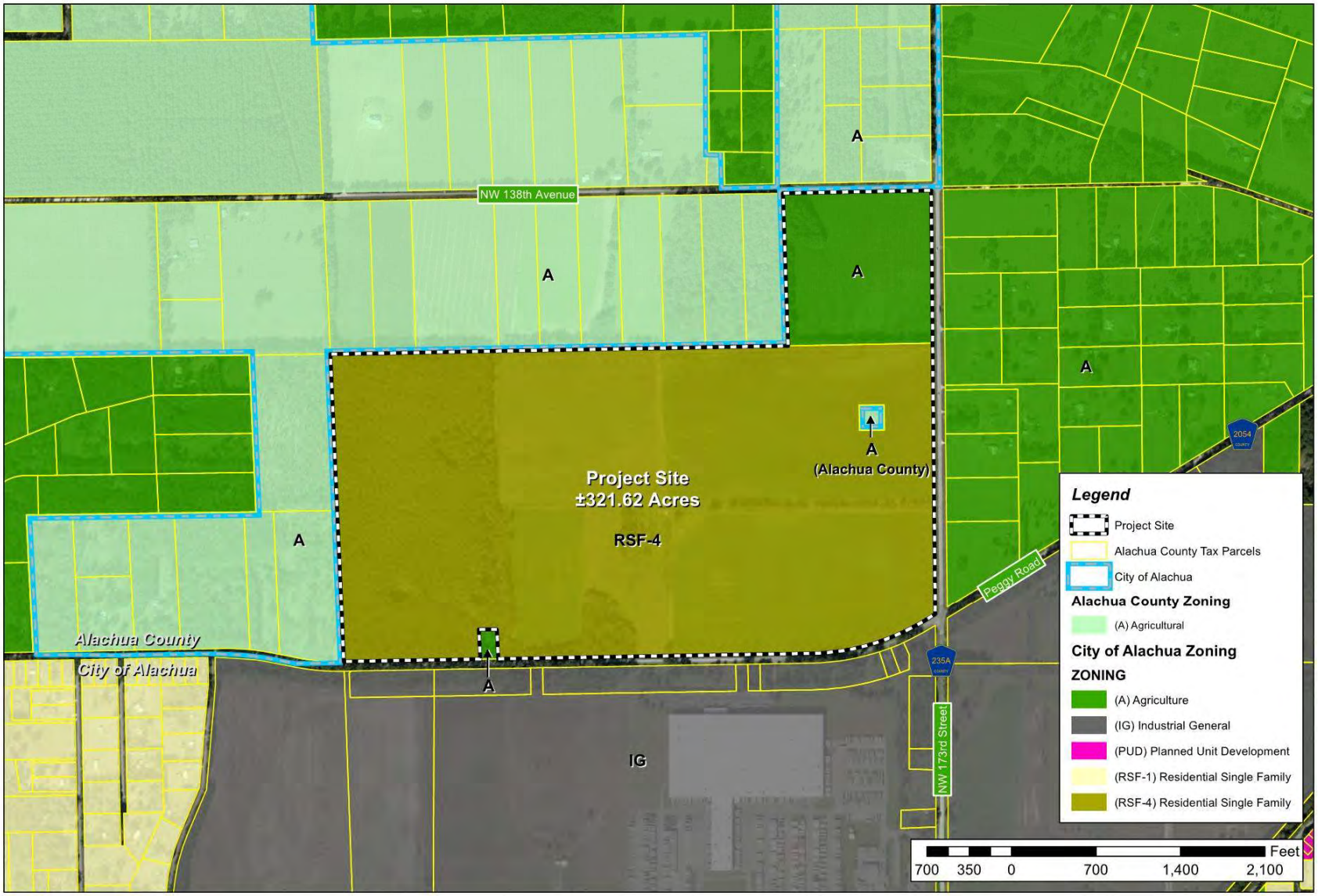
CHW



Zoning Map

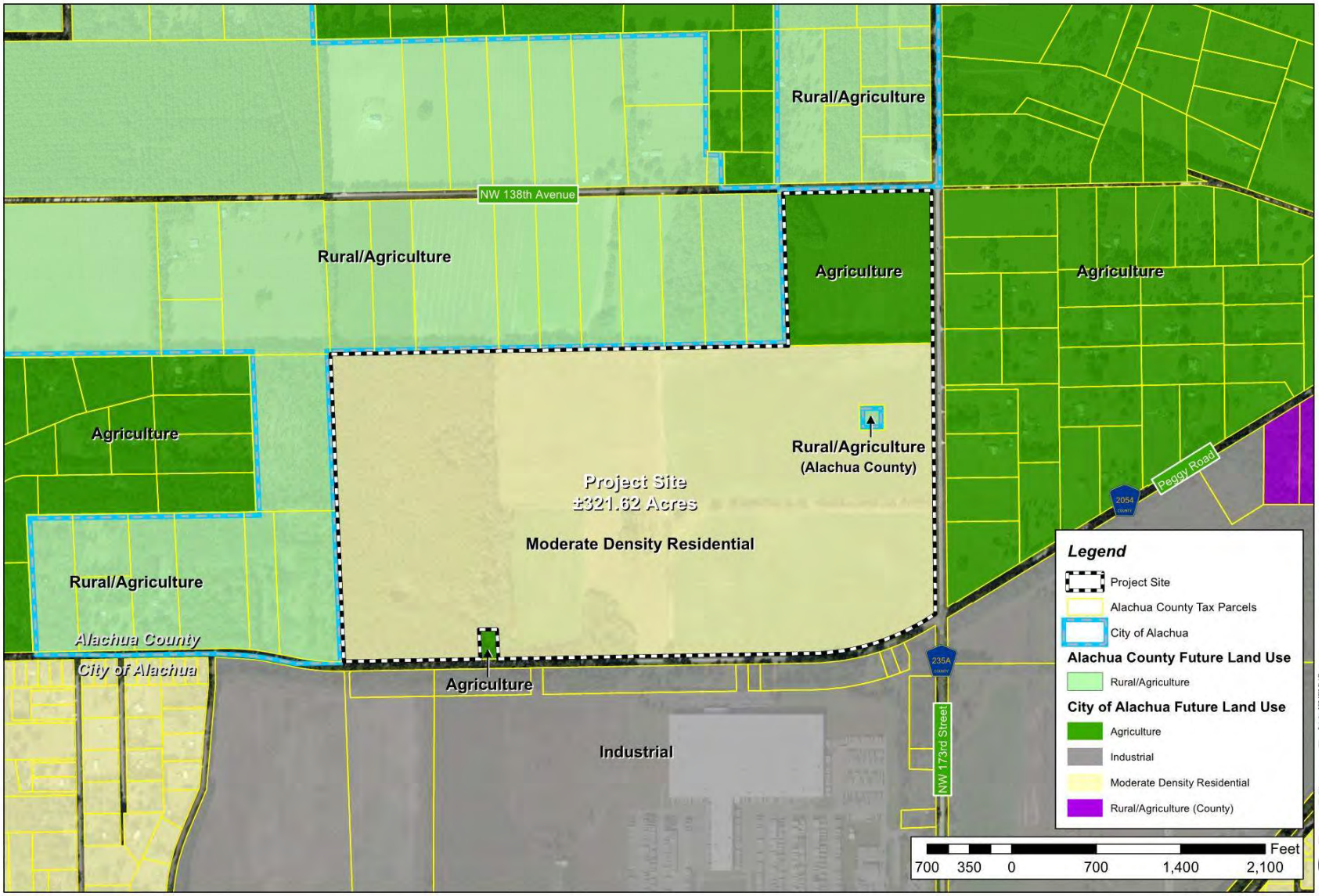
Solar Energy Collection Facilities *permitted by right* in Agriculture per Florida Statutes 163.3205(3)

Major Utilities are permitted in RSF-4 by Special Exception



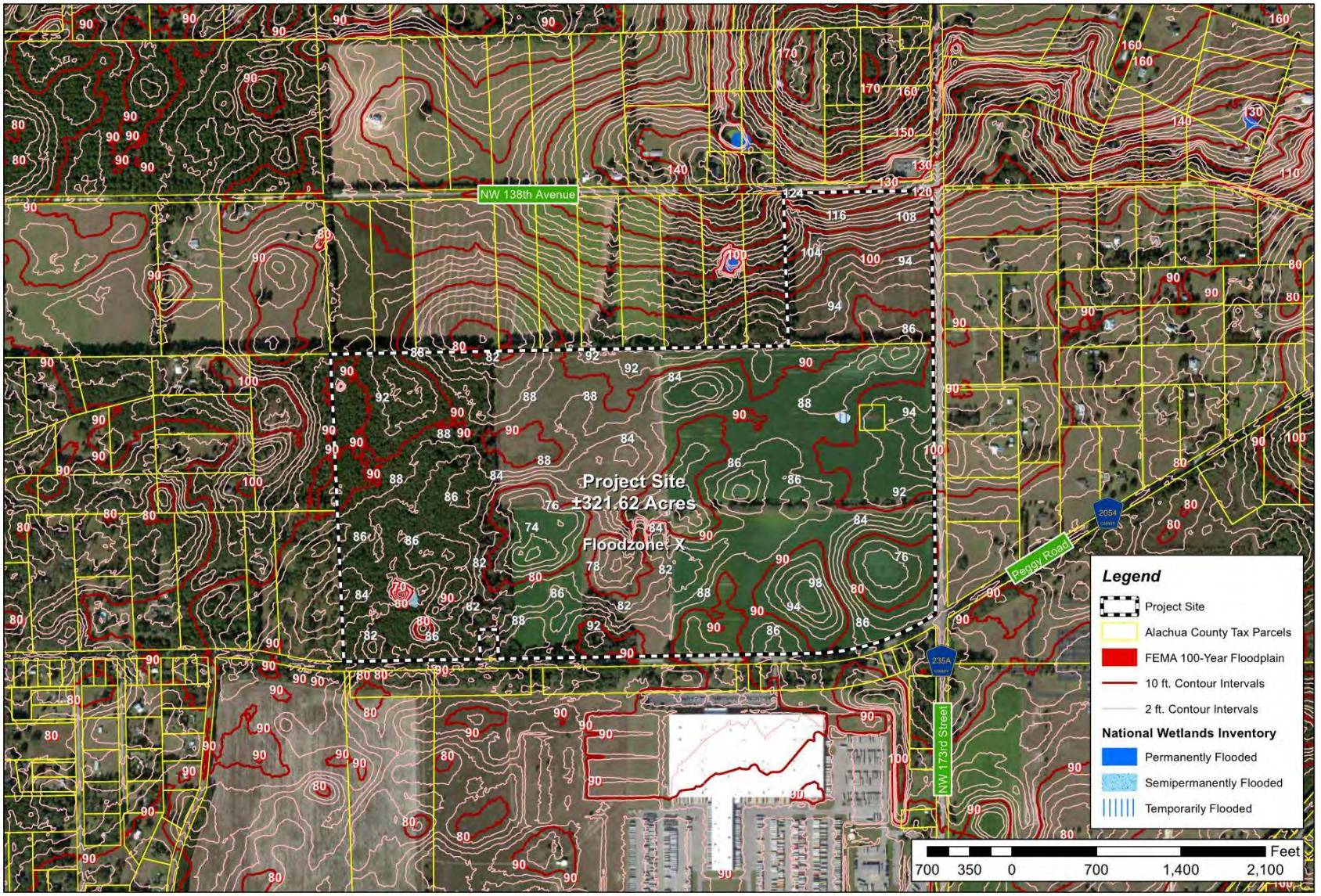
Future Land Use (FLU) Map

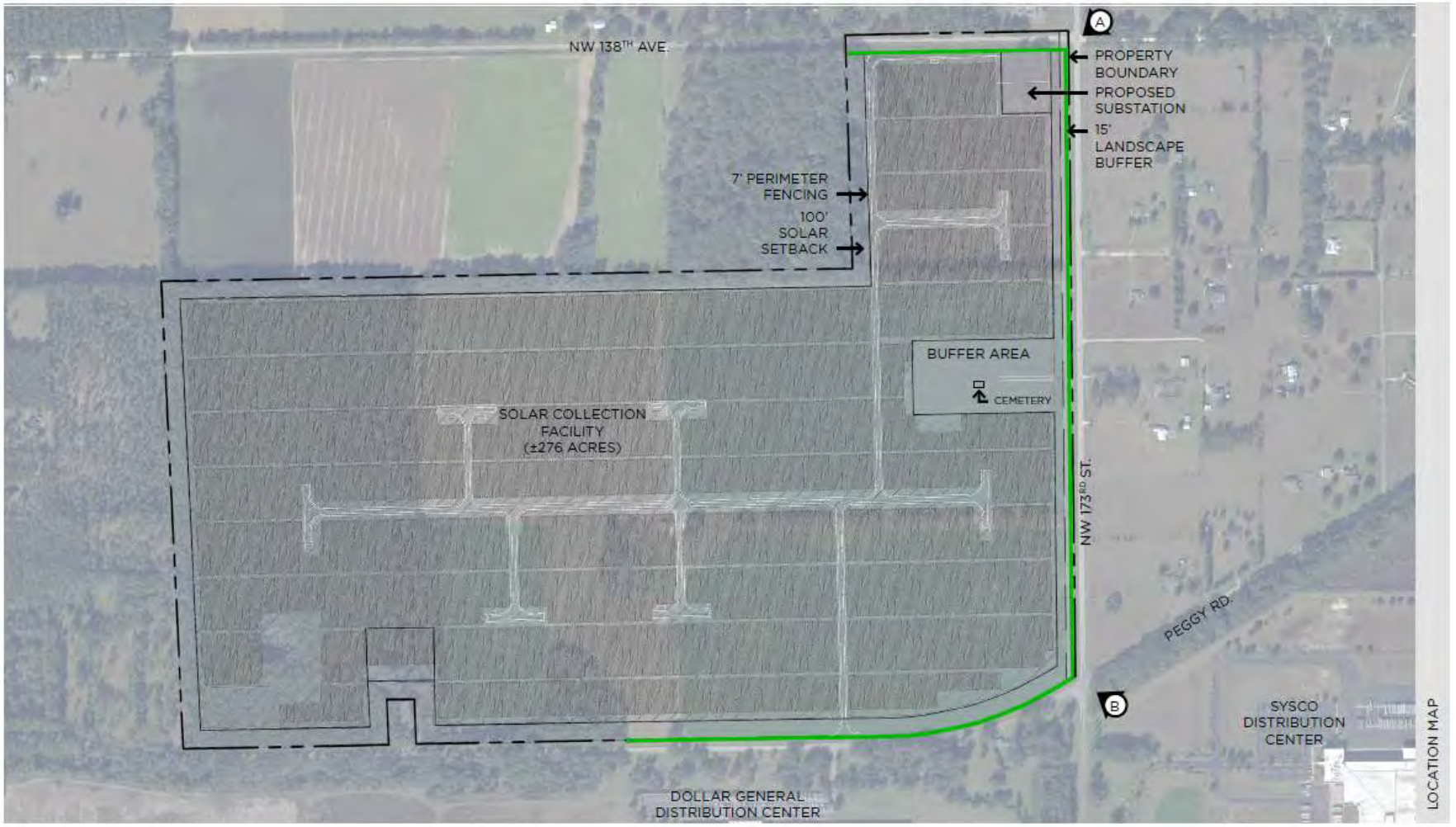
Future Land Use closely matches existing land use in general area of development



Environmental Map

Site plan includes proper buffers from existing floodplains and wetland locations





NORTH

0' 250' 500' 1500'

PLEASANT SOLAR | CONCEPTUAL SITE PLAN | 9-14-2021

SOLARIANT | CHW

LOCATION MAP



PERSPECTIVE A - EXISTING





PERSPECTIVE A - PER CODE (AT INSTALLATION)



PERSPECTIVE A - PER CODE (+10 YEARS)

PLEASANT SOLAR | PERSPECTIVE A

SOLARIANT | CHW

ADDRESSING COMMON QUESTIONS:

- **Traffic:** *Insignificant amount generated, maintenance only*
- **Noise:** *Inverters' sound at level equivalent to an AC wall unit; placed centrally within the property*
- **Lights:** *Lighting at key points for security and personnel*
- **Smell:** *No odor anticipated*
- **Aquifer:** *Solar panels are sealed*
- **Wildlife:** *Harm to wildlife by panels not typical*

- **Buffers/fencing:** *Large buffers with fencing protects privacy of neighbors and mitigates sound*
- **Security Vandalism:** *Property will be completely fenced & landscaped*

- **Property values:** *Studies indicate either no impact or slight positive impact from solar development & long-term use*

KAGOSHIMA SOLAR PROJECT

- **41.3 MWp**
- **Kirishima, Kagoshima Prefecture, Japan**



SOLARIANT

Questions?





Sign-in Sheet

SIGN-IN SHEET

Pleasant Solar + Storage Neighborhood Meeting

21-0275

CHW Professional Consultants

Event: Neighborhood Meeting

Date/Time: April 27, 2022 @ 6:00 PM

Place: CHW Office – 11801 Research Drive, Alachua, FL, 32615

Re: Special Exception & Site Plan Applications

	Print Name	Street Address	Signature
1	Resident (No Signature)		
2	Resident (No Signature)		
3	Jennifer Bogle	13139 NW 173rd St Alachua FL 32615	[signature]
4	Roberta Gastmeyer	4118 NW 69 St Grille 32606	[signature]
5	Tristen Horton	19005 NW 138th ave	[signature]
6	Jay HORTON	"	[signature]
7	Lynn Horton	"	[signature]
8	Tamara Robbins	13627 NW 146th Alachua FL 32615	[signature]
9	Daniel Pope	~~11940~~	[signature]
10			
11			
12			
13			

Workshop Minutes

NEIGHBORHOOD MEETING MINUTES

Pleasant Solar + Storage

21-0275

Event:	City of Alachua required Neighborhood Meeting, Special Exception / Site Plan
Date/Time:	April 27, 2022 @ 6:00 PM
Place:	CHW Office – 11801 Research Drive, Alachua, FL, 32615
Re:	Special Exception and Site Plan Applications

Solariant Attendees: Andy Cerrato; Kevin Kohlstedt
Patrice Boyes, P.A. Attendees: Patrice Boyes, Esq.
CHW Attendees: Craig Brashier, AICP; Gerry Dedenbach, AICP; Seth Wood
Public Attendees: 10

CHW hosted the required Neighborhood Meeting and presented the following: the meeting's purpose; the applications' requests and intents; the opportunities presented by the applications; the general application review process and a preliminary estimated project timeline; maps illustrating the site's regulatory and physical characteristics; and a conceptual layout. Following the presentation, the floor was opened for questions and comments. Questions and comments from public attendees are below, with agent responses. Please note, these meeting minutes are not a verbatim transcript of the meeting.

AREA COMMENTS

Comment: This land is beautiful, this soil is fertile, and you are eliminating primary agricultural land.
Response: Thank you for your comment. Solar energy collection facilities like the one proposed are very low intensity activities. The passive use as a solar collection field also will allow the soil to rebound from years of agricultural production. Once built, the facility will have minimal impact on the land itself due to the lack of permanent impervious surface area installed. The site's buffering, combined with the minimal noise generated at the internal inverters, has been found to be less than the ambient context area. These factors ensure the development has no deleterious impacts to the quality of life for neighbors and the community.

Question: Why our neighborhood? Why not somewhere where there aren't people?
Response: The existing electric infrastructure in this specific area makes the location a good candidate for locating a solar facility. Existing infrastructure where power can be injected into the electric grid is the major factor in selecting sites for utility-scale solar energy collection facilities. People live everywhere, and building in an area without people is nearly impossible. We believe, based on our experience and data, that solar energy collection facilities are quiet, low-intensity, good neighbors that do not generate noise, odors, light, traffic, or other impacts.

Comment: The cemetery on this property is charming.
Response: The cemetery will not be part of the Special Exception or Site Plan applications and will be protected by generous buffers in development of the site. Access to the cemetery will be enhanced by the creation of a stabilized driveway, as the facility today exists in a farm field.

Comment: I do not want this, but it is preferable to a 1,150-home subdivision.
Response: Thank you for your comment.

Question: Why not build on environmentally damaged land, such as a superfund or brownfield site?
Response: Development of any sort on lands such as those requires very costly remediation that would make the project, or any other similar proposal, economically infeasible.

t: (904) 619-6521 | 8563 Argyle Business Loop, Suite 3, Jacksonville, FL 32244
t: (352) 331-1976 | 11801 Research Drive, Alachua, FL 32615
t: (352) 414-4621 | 101 NE 1st Avenue, Ocala, FL 34470
www.chw-inc.com

Mailed Memorandum

NEIGHBORHOOD MEETING NOTIFICATION

PN 21-0275

To: Neighbors of Peggy Road / CR 235A Intersection

From: Gerry Dedenbach, AICP

Date: 5 August 2022

RE: Neighborhood Meeting Public Notice

A hybrid Neighborhood Meeting will be held to discuss updates regarding the Pleasant Solar Special Exception application and Site Plan application on ±320 acres in the City of Alachua (Alachua County Tax Parcels # 03894-000-000 and 03898-000-000). The property's Future Land Use classifications are Agriculture and Moderate Density Residential. The property's zoning districts are Agriculture (A) and Residential Single Family (RSF-4).

The site is located generally at the northwestern intersection of Peggy Road and County Road 235A.

The intent of the Special Exception application is to permit a solar energy collection facility, which is considered a "major utility" by City of Alachua Land Development Regulations.

The solar energy collection facility will be operated by Solariant Capital, LLC. More information about Solariant can be found at their website, https://www.solariantcapital.com/.

Meeting Details:

Date: 18 August 2022

Time: 6:00 PM

Location: CHW Office, 11801 Research Drive, Alachua, FL, 32615

Virtual Option: Zoom meeting Link: bit.ly/21-275-NHM2
Zoom Call-in Number: 896 0332 3142
Zoom Meeting ID: +1 646 931 3860

Contact: Gerry Dedenbach, AICP
11801 Research Drive, Alachua, FL 32615
(352) 331-1976
Live@CHW-inc.com

If attending virtually, you can either:

- Type the "Zoom Meeting Link" into your web browser; or
- Call the "Zoom Call-in Number" and enter the "Zoom Meeting ID" when prompted.

If you are unable to attend the meeting, please contact CHW using the information above, and we will provide materials after the meeting is held. Comments may also be submitted in writing to the address or email above or by phone at the phone number above.

N:\2021\21-0275\Admin & Information\06_NHWS\Ad and Mailing\MAIL 220803 Pleasant Solar Workshop 2.docx

Mailing Labels

Antoinette Endelicato
5562 NW 93rd Avenue
Gainesville FL 32653

Dan Rhine
288 Turkey Creek
Alachua FL 32615

Tom Gorman
9210 NW 59th Street
Alachua FL 32653

Richard Gorman
5716 NW 93rd Avenue
Alachua FL 32653

Peggy Arnold
410 Turkey Creek
Alachua FL 32615

David Forest
23 Turkey Creek
Alachua FL 32615

President, TCMOA
1000 Turkey Creek
Alachua FL 32615

Linda Dixon, AICP, Assistant Director
Planning
PO Box 115050
Gainesville FL 32611

Craig Parenteau, FL Department of
Environmental Protection
4801 Camp Ranch Road
Gainesville FL 32641

Jeannette Hinsdale
P.O. Box 1156
Alachua FL 32616

Lynn Coullias
7406 NW 126th Ave
Alachua FL 32615

Lynda Coon
7216 NW 126 Avenue
Alachua FL 32615

Tamara Robbins
PO Box 2317
Alachua FL 32616

Michele L. Lieberman, County Manager
12 SE 1st Street
Gainesville FL 32601

Bonnie Flynn
16801 NW 166th Drive
Alachua FL 32615

Hugh & Jean Calderwood
14095 NW 174th Ave
Alachua FL 32615

Lisia Jenkins
P.O. Box 1071
Alachua FL 32616

Shasta Schoellhorn
15907 NW 188th St.
Alachua FL 32615

Carrie Luke
16611 NW 138th Ave.
Alachua FL 32615

Dena Courtney
P.O. Box 1215
High Springs FL 32655

Workshop Presentation

Pleasant Solar

Special Exception and Site Plan Applications

SOLARIANT

CHW Professional Consultants

City of Alachua
Neighborhood Meeting
August 18, 2022

1

MEETING AGENDA

- Project Background
- Panels/materials demonstration
- Noise levels video
- Tree harvesting schedule
- Environmental Analysis findings
- Fencing options

2

The purpose of this neighborhood meeting:

Solariant seeks to follow up with neighbors on their project *prior* to application submittal.

The purpose is to update neighbors on the progress of the project and results of recent studies.

This meeting provides the applicant with an opportunity to communicate with neighbors prior to the application's submission.



3

PROJECT INTENT:

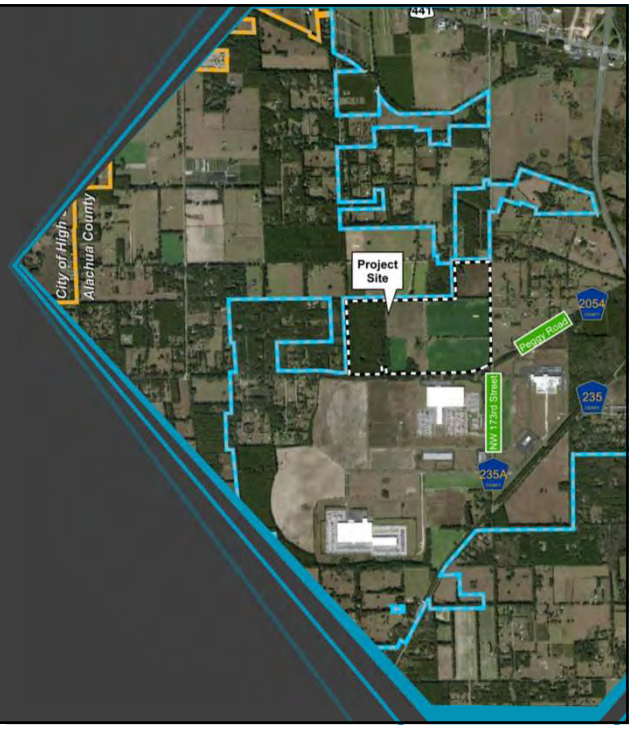
Permit and build a 74.9 MWac PV solar energy collection and energy storage facility.

APPLICATIONS:

- Special Exception Application for a major utility
- Site Plan Application

OPPORTUNITIES:

- Diversify energy supply for North Central Florida
- Reserve land on boundary of city with low-intensity use for years to come
- Economic development, job creation, and community benefits (e.g. property tax revenue)



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SPECIAL EXCEPTION
ESTIMATED TIMELINE

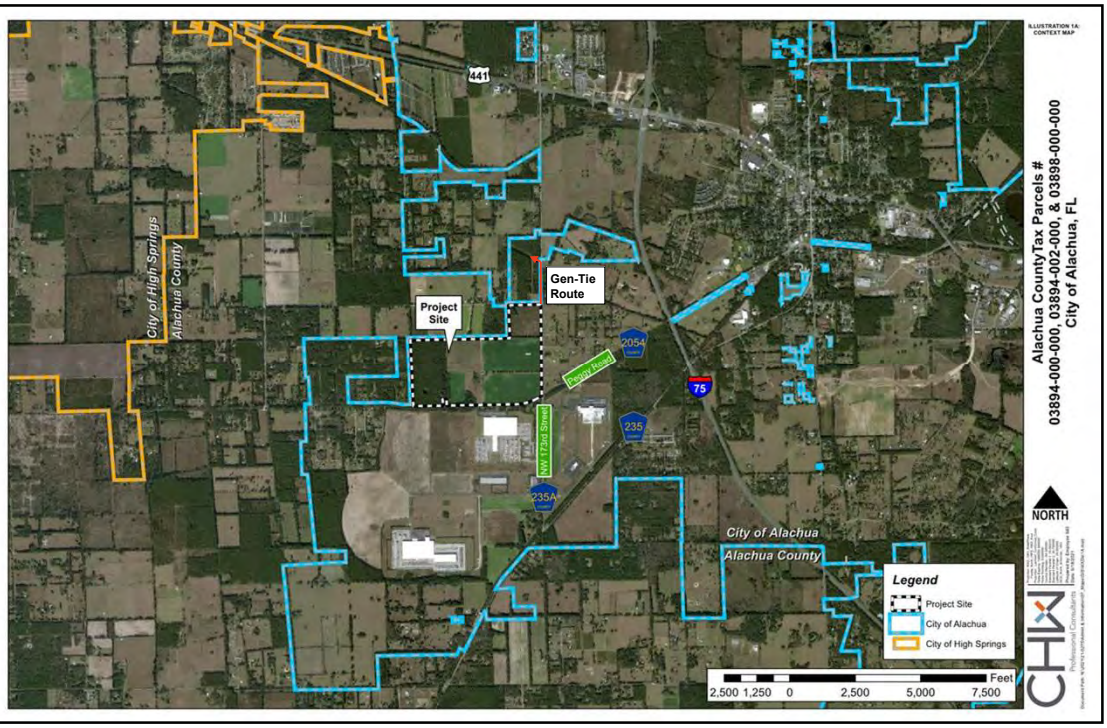
Preapplication Meeting	Neighborhood Meeting # 1	Meeting with CoA Staff	Neighborhood Meeting # 2	Submittal	Staff Review	Planning & Zoning Board	City Commission
June 23, 2021	April 27, 2022	July 14, 2022	**August 18, 2022**	Sept 2022 (Tentative)	Oct - Dec 022	Jan 2023 (Tentative)	Feb 2023 (Tentative)

21-0275: Pleasant Solar

CHW

5

Context Map



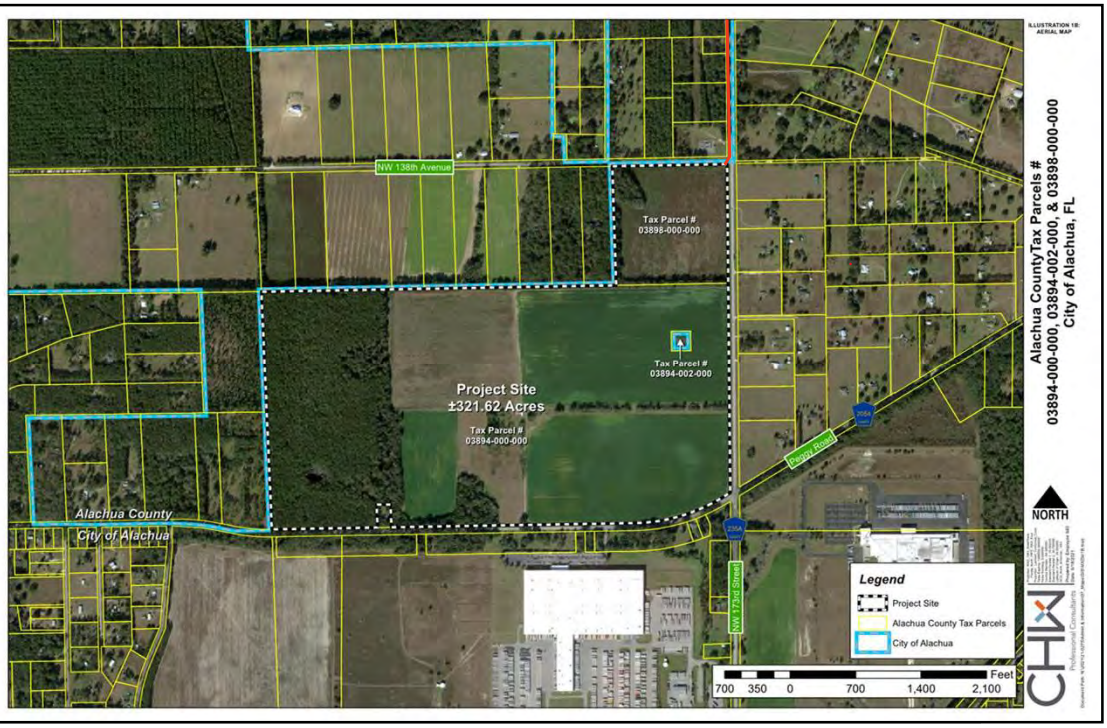
CHW

6

Aerial Map

Tax Parcel # 03894-002-000 contains a cemetery. This parcel will not be included in the Special Exception application.

Access to this cemetery will be maintained and improved with the new use via a constructed road, and the cemetery will be buffered appropriately from adjacent use.



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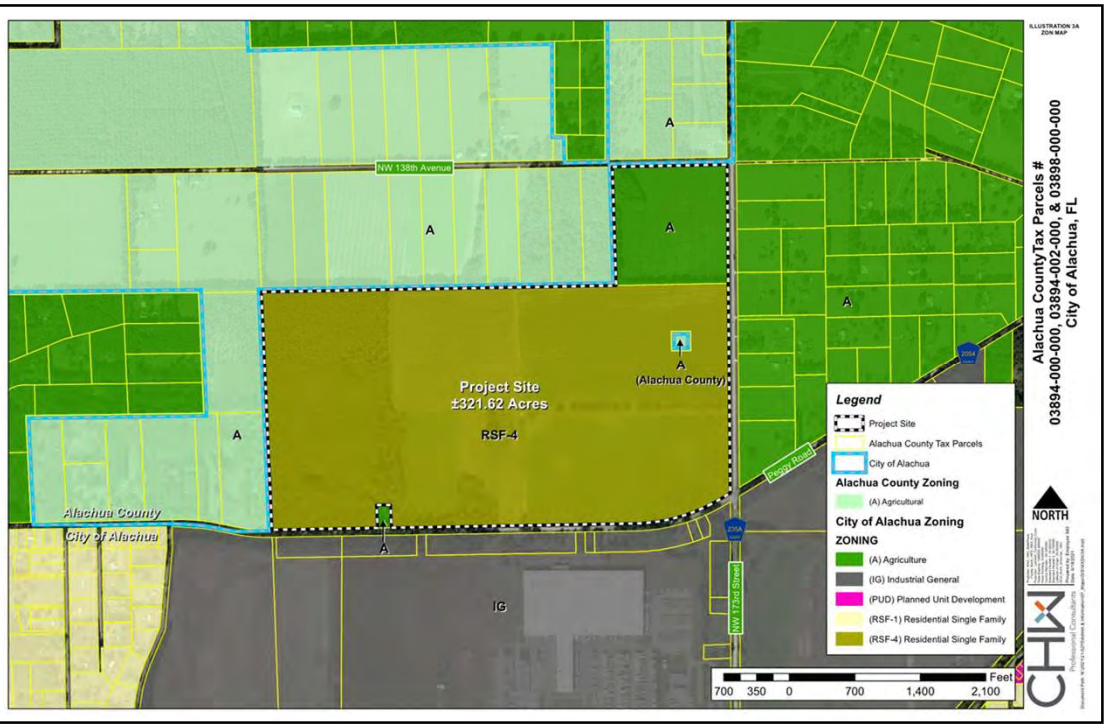
Zoning Map

Solar Energy Collection Facilities permitted by right in Agriculture per Florida Statutes 163.3205(3)

Major Utilities are permitted in RSF-4 by Special Exception



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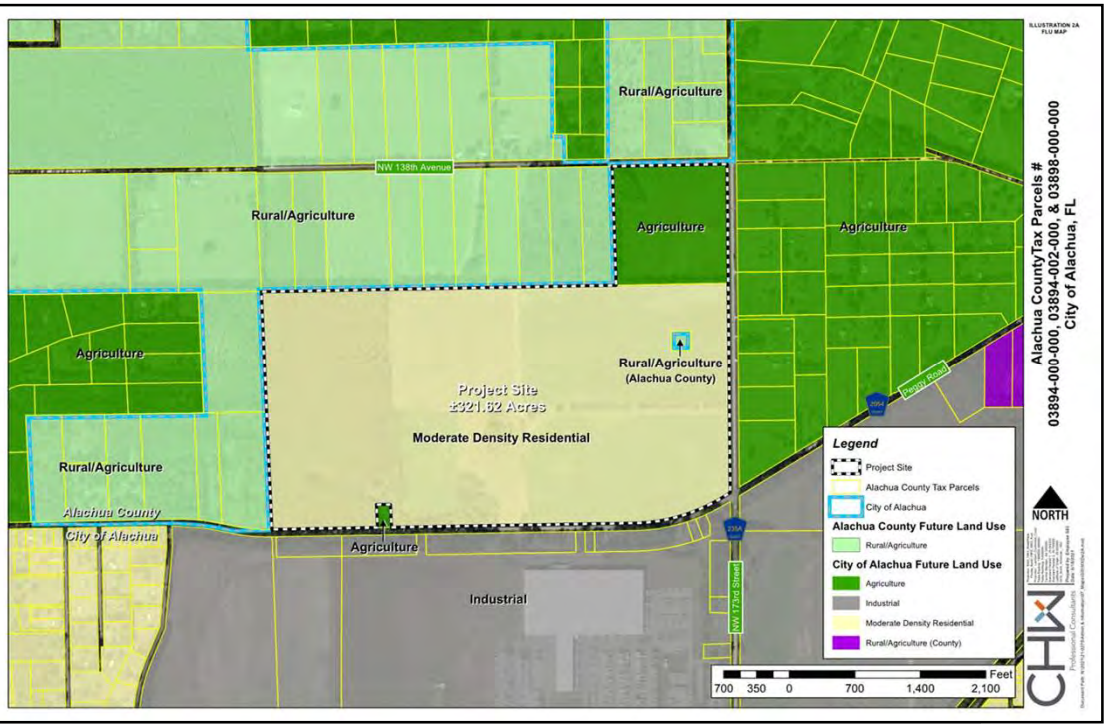
Future Land Use (FLU) Map



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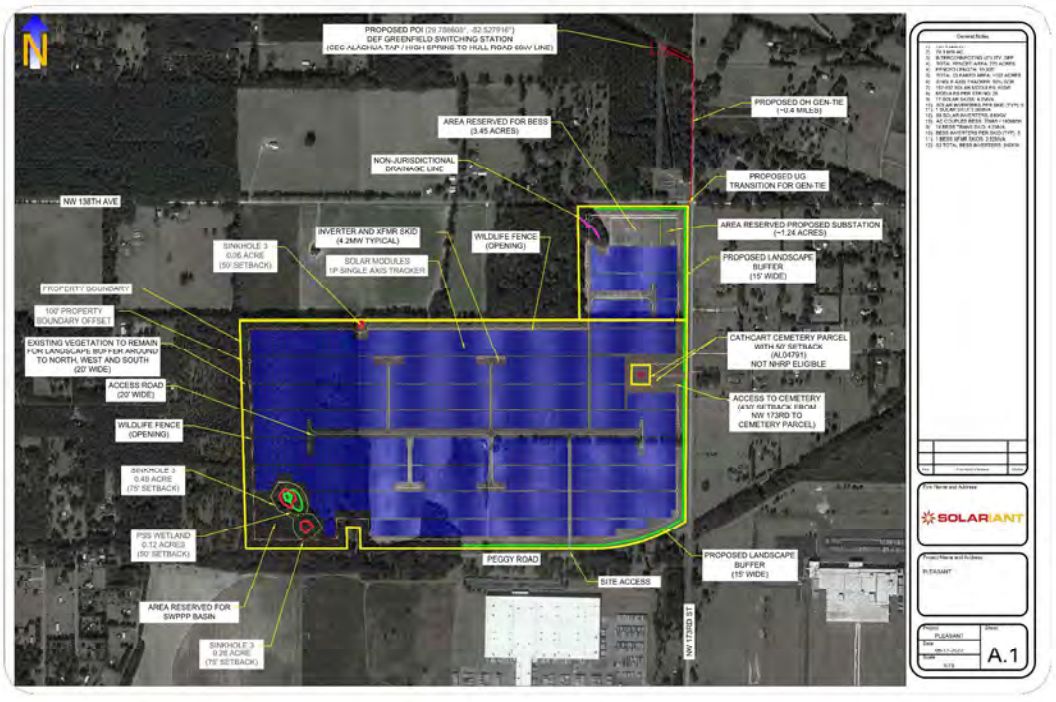
Preliminary Site Layout



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NOISE DEMONSTRATION VIDEO



11

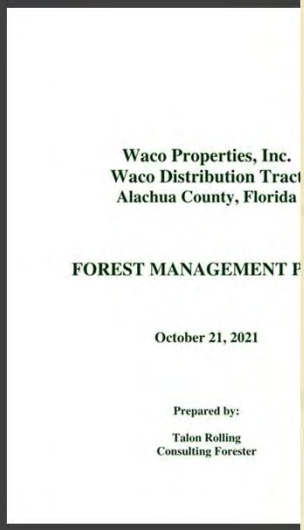
NOISE DEMONSTRATION VIDEO



12

TIMBER HARVESTING

- Bona fide silviculture operation with approved permit for harvesting based on Best Management Practices
- Harvesting is occurring on all Waco Properties (±747.17 acres)
- Buffer of existing trees to remain along western boundary, portions of north and south boundary
- Project site is mix of pine (NPH) and hardwood (Hwd) and open field
- Majority of merchantable timber in NPH stand is water oak, laurel oak, slash pine, and cherry
- Existing Trees within a 20ft buffer of the property line will remain

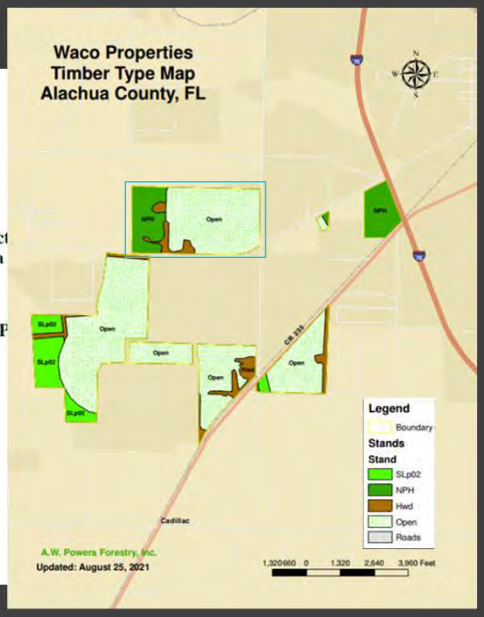

Waco Properties, Inc.
Waco Distribution Tract
Alachua County, Florida

FOREST MANAGEMENT P

October 21, 2021

Prepared by:

Talon Rolling
Consulting Forester



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ENVIRONMENTAL ANALYSIS

- No critical habitats or wading bird rookeries known to occur on or in vicinity of Project Site
- Findings & recommendations of Threatened & Endangered Species Habitat Assessment Report, conducted by TRC Environmental Corporation: **professional opinion that the project is not likely to adversely impact listed animal species**

Animal Species with potential to occur on/near project site	Status	Potential to Occur on Site	Recommended action
Squirrel chimney cave shrimp	Federally threatened	Moderate	Avoid impacts to sinkholes
Monarch butterfly	Candidate for federal status	None	N/A
Eastern indigo snake	Federally threatened	Low	N/A
Gopher tortoise	State threatened, federal candidate	Low	Pre-construction survey (required)
Short-tailed snake	State threatened	Low	N/A
Striped newt	Candidate for state status	Low	N/A
Burrowing owl	State threatened	Low	Pre-construction survey (required)
Sandhill crane	State threatened	Low	N/A
Wood stork	Federally threatened	None	N/A

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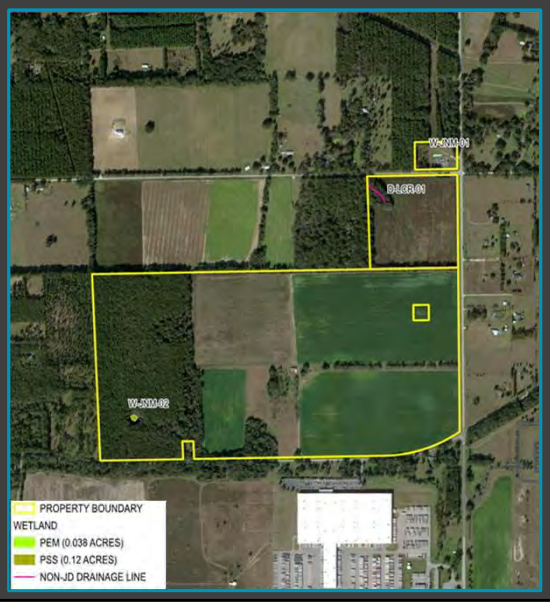
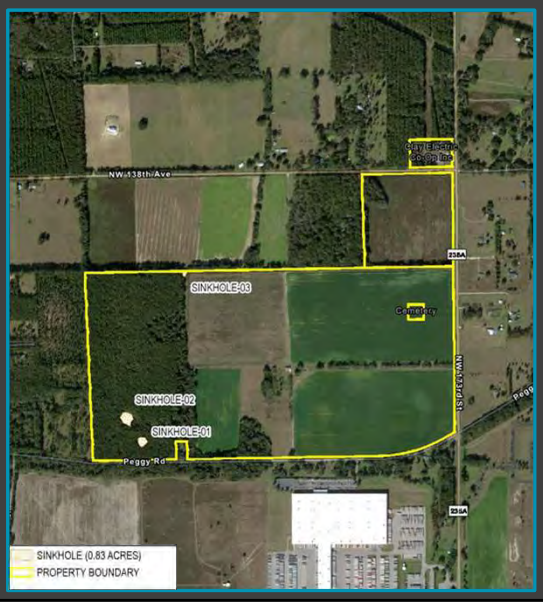
ENVIRONMENTAL ANALYSIS

Wetlands, sinkholes identified by TRC; site design will reflect these findings





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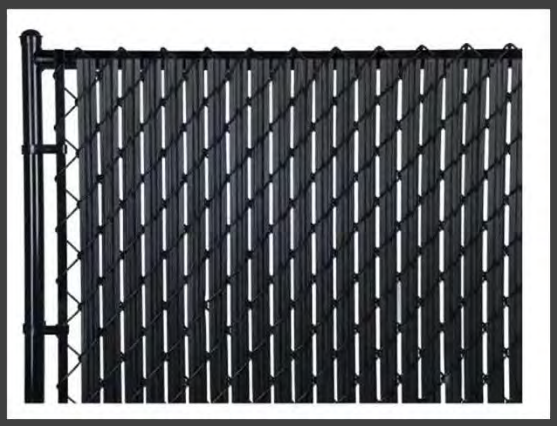
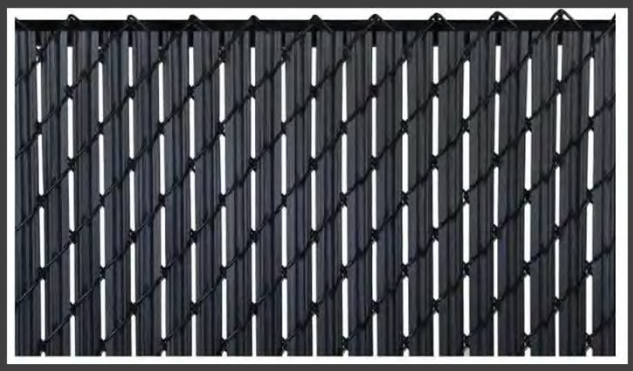
FENCING

Fencing—discussion held with City; amenable to exploring wildlife-friendly fencing





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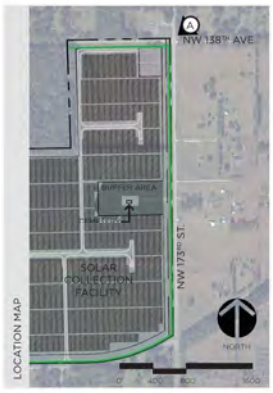
Perspective from NW 138th Ave and NW 173rd Street

Bottom left: Existing

Top right: View at installation

Bottom right: View at ±10 years









PLEASANT SOLAR | PERSPECTIVE A

SOLARIANT | CHW

17

Questions?

SOLARIANT

CHW Professional Consultants

18

Sign-in Sheet

SIGN-IN SHEET

Pleasant Solar + Storage Neighborhood Meeting

21-0275

CHW Professional Consultants

Event: Neighborhood Meeting

Date/Time: August 18, 2022 @ 6:00 PM

Place: CHW Office – 11801 Research Drive, Alachua, FL, 32615

Re: Special Exception & Site Plan Applications

	Print Name	Street Address	Signature
1	J. Charles Davis	18106 NW 138th Ave Alachua 32615	
2	Mary McFarland	18106 NW 138 Ave Alachua	
3	Michael McFish	"	
4	Christa B DeLoach	17820 N W 138 Ave Alachua Fla 32615	
5	Clint DeLoach	"	
6	Tristan Hayden	19005 NW 138th ave Alachua FL 32615	
7		"	
8	James R. Brown	13151 NW 173 st Alachua Fl 32615	
9	Karen Brown	13151 NW 173 St Alachua FL 32615	
10	Tony Love	11919 NW 194th TERR Alachua FL 32615	
11	Jessica Miesch	17909 NW 138th Ave Alachua, FL 32615	
12	Thomas Miesch	17909 NW 138 AVE Alachua FL 32615	
13	Tamara Robbins	PO Box 2317 Alachua FL 32616	

	Print Name	Street Address	Signature
14	GLENN PURVIS	NW 138TH AVE	
15	JANICE FERGUSON	11601 NW 138 ST	
16	Christina Cain	11802 " " "	
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Workshop Minutes

NEIGHBORHOOD MEETING SUMMARY

Pleasant Solar

21-0275

Event: Neighborhood Meeting #2, Special Exception / Site Plan

Date: August 18, 2022, 6:00 PM

Place: CHW Office – 11801 Research Drive, Alachua, FL, 32615

Re: Special Exception and Site Plan Applications for Solar Energy Collection Facility

Solariant Attendees: Andy Cerrato; Kevin Kohlstedt (virtual); Jacob Wilson (virtual)
Patrice Boyes, P.A. Attendees: Patrice Boyes, Esq.
CHW Attendees: Craig Brashier, AICP; Gerry Dedenbach, AICP; Seth Wood, AICP
Public Attendees: 16

CHW, on behalf of Solariant, hosted an elective Neighborhood Meeting to updated neighbors on project progress since the required Neighborhood Meeting held on April 27, 2022. The presentation materials covered the following topics:

1. Project background, inclusive of project intent, the opportunities presented, and a tentative application timeline;
2. Maps illustrating the physical and regulatory landscape on the subject property;
3. Two (2) videos showing the amount of noise generated by solar panels;
4. The ongoing active silvicultural operation occurring on the property and other properties in the area owned by WACO Properties, Inc.;
5. The results of the preliminary environmental analysis;
6. Fencing and landscaping options, visible from the roadway; and
7. A conceptual site layout, updated to reflect the comments of neighbors at the April 27, 2022 meeting;

Questions and comments from public attendees are below, with applicant and agent responses. Please note, the meeting summary is not a verbatim transcript of the meeting. In addition, the summary is sorted to present topics in a grouped manner, although there was a free-flowing dialogue all evening.

PROJECT BACKGROUND

A sample of solar panel materials were displayed for attendees to see and handle.
Question: How long will these solar panels last?
Response: The specific panels that will be used on this property have not been selected. Solariant is committed to using the most up-to-date and efficient panels practicable. Panels are anticipated to last approximately 30 years.

Question: What factors does Solariant consider when choosing solar panels?
Response: Solariant chooses solar panels based on a decision matrix considering recyclability, energy efficiency, and cost. Solariant takes recommendations from ethical industry groups regarding best practices and participates in these groups' evaluations and recommendations.

Question: Where are Solariant's panels manufactured?
Response: The specific panels that will be used on this property have not been selected. The panels we choose will likely be manufactured in Japan. This ensures an ethical manufacturing process, in contrast to panels made in other countries.

t: (904) 619-6521 | 8465 Merchants Way, Suite 102, Jacksonville, FL 32222
t: (352) 331-1976 | 11801 Research Drive, Alachua, FL 32615
t: (352) 414-4621 | 2100 SE 17th Street, Unit 802, Ocala, FL 34471
www.chw-inc.com

Question: What will you do when the solar panels are no longer usable?
Response: A Decommissioning Plan will be put in place, ensuring a City-approved protocol at the end of the site's life cycle. To maximize cost savings, Solariant works to recycle as much of the equipment practicable. This includes: steel, aluminum, wiring, and panels.

Question: Will the panels cause glare?
Response: Glare is dependent on panel type. Solariant uses bifacial panels, which minimize glare.

Question: Will this cause a heat island effect? Neighbors to a similar facility in Lake Butler think their properties are hotter due to adjacency to a solar facility.
Response: Heat island effect is not anticipated. Solar panels are designed to absorb energy, not emit it to surrounding areas. However, each facility is unique and increased temperatures at other facilities could be due to other factors.

Question: How will this impact property values?
Response: Numerous studies across the country indicate solar energy collection facilities either have no significant impact on area property values, or a notable positive impact on property values. In response to this question being asked at the April 27, 2022 meeting, Solariant had a study of the site conducted. The appraiser's findings indicated no significant negative impacts to area property values are anticipated.

Comment: Having more houses proximate to my house would increase the value of my property more than a solar energy collection facility. People want to live proximate to other people; no one wants to live near a solar energy facility.
Response: Research is mixed as to whether additional housing has a positive, negative, or neutral impact on existing housing. That determination is heavily dependent on site, type, and number of houses. The majority of this ±321-acre parcel is zoned for a density of 4 dwelling units per acre, meaning ±1,140 new homes (±285 acres * 4 dwelling units/acre) could be built here. This could also mean substantially more people, who would impact various public facilities, including transportation infrastructure, public school capacity, and emergency services. By contrast, a solar energy facility places a very low impact use on land for multiple decades and causes no such impacts.

Question: Will infrastructure be put in place to guard against electromagnetic interference?
Response: No, because the facility is not a generator of electromagnetic interference.

<u>MAPS ILLUSTRATING THE PHYSICAL AND REGULATORY LANDSCAPE</u>
Question: Will the electric cables be overhead or underground?
Response: That has not yet been determined. Solariant's preference is underground. Research is currently underway regarding whether this aligns with local regulations. In previous solar efforts, Alachua County has been amenable to the undergrounding of utility infrastructure.

Question: Why here and not on other WACO Properties land?
Response: Partly due to the preference of the property owner, and partly because this is the closest property Solariant was able to find proximate to key utility infrastructure. As a solar energy collection facility moves further from a utility tie-in point, costs increase exponentially. The ideal location is less than one mile from field to the in-point.

Question: Why not build on Duke Energy's property, at the southwest corner of US 441 and CR 235A?
Response: That is a different property owner and a different negotiation. *Upon further investigation, the land area being discussed is a grouping of parcels owned by various property owners, not Duke Energy.*

Question: Why not build on a landfill?
Response: Landfills present numerous costly challenges related to infrastructure installation. Additionally, there are very costly remediation requirements that make building on a landfill cost-prohibitive.

Question: Why not build on environmentally damaged land, such as superfund sites?
Response: Development of any sort on that type of land requires very costly remediation that would make a project such as this economically infeasible.

Question: How large of a buffer will be put in place?
Response: The buffer will be 100 feet wide. This includes the maintenance of 20 feet of existing perimeter tree line, and 80 feet of open space to accommodate required landscaping.

Comment: You are disrupting a wildlife corridor. I propose you create uninterrupted passage points, similar to an eco-passage, through the facility to allow animals to travel.
Response: For insurance purposes, the facility needs to be fully fenced. For economic reasons, the number of panels cannot be reduced and produce the required energy output.

Question: From what road will the site be accessed?
Response: Site access is planned from Peggy Road. Access to the cemetery will be provided off of NW 173rd Street. Access from NW 138th Avenue was removed from the previous concept plan in response to feedback at the April 27, 2022, meeting. The site is estimated to generate approximately five (5) trips per month.

Comment: I propose you plant pollinators on the property.
Response: Solariant is amenable to this idea and has been looking into it since proposed at the April 27, 2022 neighborhood meeting.

NOISE VIDEOS
Question: How far away would one need to be from the panels to not hear them?
Response: The loudest part of a solar facility's infrastructure is the inverters, which produce noise comparable to a window or wall air conditioning unit. These will be placed internal to the site and positioned to direct the majority of noise away from the site's perimeter. An individual standing at the property line will not be able to hear the units.

Question: How loud is the sound of the panels shifting?
Response: The noise of panel movement is very minimal, to the point that one is unlikely to hear it standing near the panels. *Videos were played demonstrating noise levels, which were unnoticeable compared to the prairie dogs in the video.*

Question: Will the panels amplify the noise of large trucks on the nearby roadway?
Response: No, the site's topography will not increase adjacent traffic noise. The site's topography will also benefit sound capture, as the site slopes away from the public road.

SILVICULTURAL OPERATION
The team explained neighbors can expect to see silviculture activity in the area and onsite occurring on the property in the coming weeks. The team explained this is part of an approved Forest Management Plan on land owned by WACO Properties. Solariant made clear this harvesting had been planned prior to their interest in the property and should not be taken to mean construction of the solar energy collection facility is imminent.

Question: Will any tree line remain?
Response: Yes, a 20-foot buffer of trees is set to remain around the pertinent property lines.

Question: If Solariant was not attempting to build on this property, would the harvesting still occur?
Response: Yes, if Solariant were not attempting to build on this property, the onsite trees would be harvested and clear-cut to the property boundary. Solariant has requested a 20-foot buffer of trees be retained out of respect for the privacy of abutting property owners.

PRELIMINARY ENVIRONMENTAL ANALYSIS

A preliminary environmental assessment of the property was conducted on the property. The conceptual layout was revised to work around environmental features, buffering as appropriate. The results of this assessment were shared with attendees.

Comment: I am concerned about the impacts of this facility on wildlife. Specifically, I am concerned about the potential impacts to the Florida Panther that lives in the area.
Response: Our preliminary environmental assessment, conducted by a professional scientist, found no evidence of a Florida Panther in the area. *Neighbors offered to share photos and videos of said panther; CHW requested they do so. No photos have been received to date.*

Comment: The onsite water feature is used by area wildlife. I suggest you reroute your fencing to allow continued access.
Response: We will investigate the feasibility of excluding this area from fencing.

FENCING AND LANDSCAPING OPTIONS

Comment: With regards to fencing, six inches (6”) at the bottom of the fence is not wide enough for some animals. At a facility in Lake Butler, panels of fencing were left open during construction to let animals through.
Response: The fence being designed needs to strike a balance between local, state, and federal regulations as well as the needs of wildlife. Animals were not able to travel through the fence you are referring to once the facility was constructed. Small animals will be able to travel through this site when constructed. For insurance and security purposes, the facility needs to be fully fenced.

Comment: The fencing you show is ugly.
Response: Your comment is noted. Fencing choices are still being evaluated and not yet finalized. The fence will also be screened by landscaping.

The meeting began at 6:00 PM and was concluded at approximately 8:55 PM.

DECOMMISSIONING & RESTORATION PLAN

Introduction

Pleasant Solar LLC, a Florida limited liability company (the **"Applicant"),** has prepared this Decommissioning & Restoration Plan (the **"Plan")** to outline the methods and means to decommission the Pleasant Solar Project (the **"Project"**), located in the City of Alachua, FL on CR 235A, at the end of the Project's useful life. The purpose of the Plan is to identify the methodology to be used to mitigate potential impacts resulting from the cessation of operation of the Project. All decommissioning and restoration activities will adhere to the applicable local, state, and federal laws.

The Project is a 74.9 MWac solar generation facility with a minimum of 20 years expected useful life and an option to extend up to 40 years. The proposed solar generation facility configuration utilizes photovoltaic solar panels and approximately 22 inverters skids and medium voltage transformers. The proposed solar generation facility will interconnect into a new on-site Duke Energy Florida **("DEF")** owned transmission substation approximately 0.5 miles North of the Project site. The Project will be located on approximately +/- 350 acres of land on parcels secured via a lease agreement from a private landowner. Project components will be enclosed with fencing, consisting of approximately +/- 320 acres of panels and inverters and +/- 30 acres of substation equipment associated with the DEF interconnection.

The Applicant has developed this Plan for the proposed ground-mounted solar generation facility. Decommissioning cost budget of the Project will be developed based on final plans. The major components include ground-mounted solar arrays, collection lines, fencing, inverters, sectionalizing cabinet, and access roads.

The goal of decommissioning is the safe (including de-energization of the solar generation facility) and efficient removal of all solar energy facility components and reclamation of the site to conditions as close to pre-construction characteristics as possible where active crop production was underway. The same safety protocols that are used during construction will be used during decommissioning.

For decommissioning, the Applicant shall, as needed:

- Be responsible for all decommissioning costs;
- Acquire permits and develop a Stormwater Pollution Prevention Plan **("SWPPP")** to remove concrete foundations, pads, and fences, perform grading and completion of ground stabilization using revegetating or other means in accordance with permits and in compliance with all applicable rules and regulations then in effect governing;
- Commence work decommissioning, removing, and legally disposing and/or recycling of Project components;

- Remove and dispose of and/or recycle all associated equipment, including arrays, module racking, inverter structures, etc.;

- Removed materials shall be recycled, and/or salvaged to a reasonable extent practical and all waste streams shall be managed in accordance with the State's and local authority's waste hierarchy.

Anticipated Operational Life of the Project

Typically, solar modules (panels) have a useful operational life of approximately 30+ years. The Applicant will construct the solar arrays (consisting of multiple modules or panels) on leased land. Based on these terms, it is anticipated that the Project will be operational for at least 20 years with an option to extend up to 40 years.

At the end of its useful economic life, the Project will be decommissioned, and solar modules, collection lines, and associated equipment will be removed. Decommissioning will commence if the Project has not generated electricity for a period of 12 continuous months, unless the 12-month period of no energy output is the result of (a) a repair, restoration or improvement to an integral part of the Project that affects the generation of electricity and that repair, restoration or improvement is being diligently pursued by the Owner, or (b) a Force Majeure event. Force majeure includes, but is not limited to, causes or events beyond the reason- able control of, and without the fault or negligence of the party claiming Force Majeure, including acts of God, sudden actions of the elements such as floods, earthquakes, hurricanes, or tornadoes; sabotage; terrorism; war; riots; explosion; blockades; and insurrection. Typically, the decommissioning process is completed within 6 months. This timeframe depends on the size of the facility, time of year, and availability of qualified workforce.

Implementation Plan

The decommissioning will include disassembly and removal of associated equipment, removal of subsurface structures to a minimum depth of 24 inches below grade in non-agricultural land, and 48 inches below grade in agricultural land, and re-grading and re-seeding of disturbed areas. A professional salvaging company will be contracted to disassemble, remove, and recycle major Project components and materials.

- The Applicant will give the City of Alachua and other stakeholders 180-days advance notice prior to commencing decommissioning activities.

- Prior to commencing decommissioning, the Project will be shut down, de-energized and disconnected from the generation tie line at the Project collection substation. The Applicant will coordinate de-energization with DEF to ensure no disruption to the overall electrical system.

- Solar modules will be disconnected, collected, and disposed at an approved recycler or reused / resold on the market. Although the solar modules will not be producing maximum

power at the time of decommissioning, they are estimated to still produce approximately 80% of their original electricity output at year 30 and add value for many additional years.

- All aboveground and underground electrical interconnection and distribution cables no longer deemed necessary shall be removed and disposed off-site or recycled.

- Galvanized steel solar module support and racking system support posts shall be removed and disposed of (off-site) or recycled.

- Electrical and electronic devices, including transformers and inverters shall be removed and disposed of or recycled. The substation transformer and step-up transformers in the inverter units will be transported off-site to be sent back to the manufacturer, recycled, reused, or safely disposed off-site in accordance with current standards and best practices.

- Concrete foundations and support structures (incl. Inverter/Transformer foundations) will be broken down and shall be removed and disposed off-site by a licensed contractor.

- Fencing shall be removed and recycled at a metal recycling facility.

- Gravel roads will be left in place for the convenience of the lessor.

- Any trenching, holes, or elevation impacts caused by the removal of facilities will be filled and leveled to match existing grade.

Financial Assurance

The Applicant is committed to being accountable and environmentally responsible for all the solar facilities it owns, operates, or develops. All costs associated with the decommissioning of the Project will be the responsibility of the Applicant. The majority of the Project components will be reused, resold, or recycled, and it is anticipated that a large portion of the cost of decommissioning will be offset by these efforts.

APPROVED

CITY OF ALACHUA

PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

February 29, 2024

Submitted electronically to danikao@chw-inc.com

Danika Oliverio
Project Manager
CHW, Inc.
11801 Research Dr
Alachua, Fl 32615

Application #: PSP23-0011; PSE23-0001

RE: Pleasant Solar – Alternative Landscape Plan Determination

Dear Ms. Oliverio,

On February 29, 2024 the City of Alachua received your revised request for an alternative landscape plan for the Pleasant Solar Site Plan and Special Exception Permit applications. The Pleasant Solar applications propose the construction of a ± 74.9 MWac solar facility located in the Agricultural (A) and Residential Single Family-4 (RSF-4) zoning districts on a ± 321.49-acre subject property (tax parcel 03894-000-000; 03898-000-000).

Section 6.2.2(D)(10)(a) of the City of Alachua Land Development Regulations (LDRs) states: "an alternative landscape plan may be used where unreasonable or impractical situations would result from application of this section, or to replace a damaged tree pursuant to Subsection 6.2.1 of this section, alternative plans, materials or methods may be justified from natural conditions, such as streams, natural rock formations, topography and physical conditions related to the site. Also, the lot configuration and utility easements may justify an alternative landscape plan."

Section 6.2.2(D)(10)(b) of the LDRs establish allowable deviations, including:

(i) "A reduction in the total number of required trees and/or alteration of the spacing requirements between trees when underground connections to public facilities or public utilities, or public easements or rights-of-way, are located upon or in close proximity to the parcel or whenever a fewer number of trees would be more desirable in terms of good landscape planning practice.

(ii) A reduction in the count, spacing, or species diversity standards which would be more desirable in terms of good landscape planning practice considering the nature of the parcel and adjacent parcels.

(iii) Up to a 33 percent reduction in the total number of required trees provided that the cumulative caliper size of all trees to be planted meets or exceeds the total caliper inches that would have been provided otherwise."

The applicant provided a proposed alternative landscape plan on February 29, 2024, including justification. The applicant contends that "trees directly impact solar production by (1) casting shade along solar panels, (2) presenting possible equipment damage from falling branches/debris, and (3) may present a fire hazard if placed near electrical equipment. Proper landscape planning practices recommend consideration of the anticipated canopy sizes for mature trees", which may be constrained due to the nature of a solar facility.

The alternative plan proposes calculating the required number of plantings based on solely the proposed planting area demonstrated in the attached proposed alternative plan. The proposed plan would result in a reduction from 7,711 total trees required to 1,471 total trees required to be planted. This alternative plan would not affect the mitigation calculations. The proposed alternative plan also calls out proposed plantings and planting arrangements on a typical cross section. A landscape plan is still required to be submitted as part of the Site Plan and Special Exception Permit applications that complies with the alternative landscape plan.

Upon reviewing the request for an alternative landscape plan for the Pleasant Solar Site Plan and Special Exception Permit applications, the LDR Administrator hereby finds that the applications meet the qualifications to apply an alternative landscape plan and approves the alternative landscape plan requirements as submitted on February 29, 2024, and attached to this letter. This approval does not eliminate the requirement to comply with all other applicable provisions of the City's LDRs, including but not limited to Sections 2.4.4, 2.4.9, 4.3.2(I)(3), and 6.3. The alternative landscape plan is not to be construed as an approved fencing plan nor an approved landscape plan and the approval of the alternative landscape plan only applies as to establishing alternative site landscaping and buffering requirements as described in the attached alternative plan.

Include this letter and the alternative landscape plan requirements in all future submissions of the Pleasant Solar Site Plan and Special Exception Permit applications. Reference this letter on the landscape plans associated with these applications.

If you have any questions related to the information above, please contact the Planning & Community Development Department at 386-418-6121.

Sincerely,

Mike DaRoza
City Manager / LDR Administrator

Attachments: Alternative Landscape Plan Requirements (Dated 2/29/2024)

cc: Kathy Winburn, Planning & Community Development Director *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
Carson J. Crockett, AICP Candidate, Planner *(by electronic mail)*
Project File

MEMORANDUM

Pleasant Solar

21-0275

CHW Professional Consultants

To: **Mike DeRoza, City Manager/LDR Administrator**
From: **John-Michael Simpson, PLA**
Date: **2/29/2024**
RE: **Pleasant Solar – Alternative Landscape Plan**

Alternative Landscape Plan Summary

Due to the proposed use, lot configuration, and utility constraints, CHW is submitting a request to use an alternative landscape plan to fulfill site landscape requirements on the project site in accordance with Section 6.2.2(D)(10). Specifically, it is unreasonable and impractical to apply the standards of this section since a solar facility is negatively impacted by the shade created from the required landscape plantings.

The alternative landscape items are detailed below, and attached to this letter is an exhibit highlighting the proposed alternative landscape calculations and supporting planting area exhibits.

Code Reference:

(10) Alternative landscape plan.

(a) Generally. An alternative landscape plan may be used where unreasonable or impractical situations would result from application of this section, or to replace a damaged tree pursuant to Subsection 6.2.1 of this section, alternative plans, materials or methods may be justified from natural conditions, such as streams, natural rock formations, topography and physical conditions related to the site. Also, the lot configuration and utility easements may justify an alternative landscape plan.

(b) Allowable deviations. The LDR Administrator shall approve an alternative landscape plan. Allowable deviations from the standards of this section include, but are not limited to the following:

(i) A reduction in the total number of required trees and/or alteration of the spacing requirements between trees when underground connections to public facilities or public utilities, or public easements or rights-of-way, are located upon or in close proximity to the parcel or whenever a fewer number of trees would be more desirable in terms of good landscape planning practice.

(ii) A reduction in the count, spacing, or species diversity standards which would be more desirable in terms of good landscape planning practice considering the nature of the parcel and adjacent parcels.

Requested Alterations:

Site Landscape Requirements:

This project involves the construction of a utility scale solar power plant in an area zoned for single family residential and agriculture. The project is adjacent to industrial land uses, agricultural property, and some single family residential. The existing property has traditionally been used for agriculture and as a result is largely clear of existing tree canopy. There are 2,162 regulated trees currently on the 320.5 acre site which is 6.75 trees per acre.

The proposed solar site consists of approximately 280.5 acres of solar panels, electric power inverters, battery storage banks, buried electrical cables, and maintenance paths (88% of the site). The solar array is set within a 100’ wide perimeter setback which includes a 25’ fire break/maintenance path, open space, and a 15’ wide landscape buffer. This 100’ perimeter setback creates approximately 40.87 acres of space with 26 acres of that space available for planting.

Per code, there are no landscape requirements for permitting a solar energy utility project. However, a major utility project is classified as a public/institutional land use, which would require 21 trees pre acre to be planted on site in addition to the required buffer plantings. Since the purpose of a solar energy facility is to absorb the maximum amount of available sunlight across the site, shading created by canopy trees which is typically desirable on other land uses instead poses a significant obstacle. Trees directly impact solar production by (1) casting shade along solar panels, (2) presenting possible equipment damage from falling branches/debris, and (3) may present a fire hazard if placed near electrical equipment.

Proper landscape planning practices recommend consideration of the anticipated canopy sizes for mature trees when selecting species and proper spacing of a landscape. This is necessary to avoid over-shading and creating a poor habit for tree growth. Since trees must compete with each other for sunlight, moisture, and nutrients, overcrowding can impact the quality of the future canopy and structure of the trees. When trees are planted in a very dense manner, they will typically focus much of their energy on growing vertically and have limited ability to spread out horizontally. This often results in trees with a very uniform caliper (trunk) size, from top to bottom, which can reduce the structural integrity of the tree and result in significantly smaller canopies. The City's land development regulations require site landscape plantings that take into consideration the appropriate spacing required for trees. Alachua County provides an estimated canopy size of typical trees in area at 20 years. Using the information from the County, along with a diverse tree selection, the code requirements would require approximately 83 acres of space, at 20 years, to provide a typical healthy area for growth. This represents approximately 25% of the existing site area and would present a significant reduction in solar production area.

We propose to calculate the site landscape requirements based on the "plant-able" land that falls outside the main solar energy production area, as well as the 25' fire/maintenance path, as this area cannot be feasibly planted with understory or canopy trees. **The alternative landscape plan requests that we restrict the site calculations to the plant-able perimeter area around the site which is 26 acres in area.**

This will result in a requirement of 338 canopy trees and 208 understory trees for the site landscape. When combined with the buffer plantings the total landscape requirement will be 1,471 trees which is 47.42 trees per acre. These trees would then be placed along the perimeter of the property which will provide a dense visual screen for the proposed solar array. Placing the trees along the perimeter of the site will also allow us to (1) reduce potential shading impact to the solar panels and (2) reduce fire risks by keeping the vegetation further from the high voltage electrical equipment located around the solar panels.

Perimeter Buffer Requirements:
This site has an 18,641 linear foot perimeter. The perimeter area contains many existing trees and is adjacent to some existing overhead utilities. The required landscape buffers that are located along the perimeter are up to 15 feet in width and that area includes 343 existing trees that are at least 8" in diameter at breast height (DBH). The location of these trees along with other existing trees and overhead utilities along portions of the perimeter buffer make planting new trees impractical in some locations. **This alternative plan proposes relocating some of the required buffer landscape to adjacent areas just outside the buffer area but still within the 100' setback area for the solar panels.** Relocating some of the required landscape will help to mitigate impacts to existing utilities and the existing vegetation while still being able to provide screening for the proposed development.

Cemetery Buffer Requirements:
The solar project also surrounds an existing 2,100 sq. ft. small, family cemetery plot. Per LDR Administrator Interpretation PLDR24-0009, this area will require a 100' buffer from the existing 4-foot chain link fence of the cemetery to the perimeter fence surrounding the solar array. The cemetery land use as parks/open space requires a 10' wide Type D landscape buffer. Seeing as this cemetery is central to the main solar array, the required canopy trees in the landscape buffer would pose significant impacts to the surrounding solar panels and electrical equipment. **The alternative landscape plan proposes to utilize shrubs to fulfill the landscape buffer requirements for this area.** A dense continuous hedge can provide an opaque visual screen to reduce the impact of the surrounding solar panels from the cemetery site.

PROPOSED PLANTING AREA (26.00 ACRES)

25' FIRE PATH (9.86 ACRES)

100' BUFFER FROM EXISTING 4' CHAIN LINK FENCE FOR GRAVEYARD (0.2 ACRES) PLDR24-0009

PERIMETER BUFFER (5.02 ACRES)

SOLAR PANEL ARRAY (280.5 ACRES)

GRAPHIC SCALE
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CHW Professional Consultants

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
02/29/2024 - LANDSCAPE AREA EXHIBIT

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

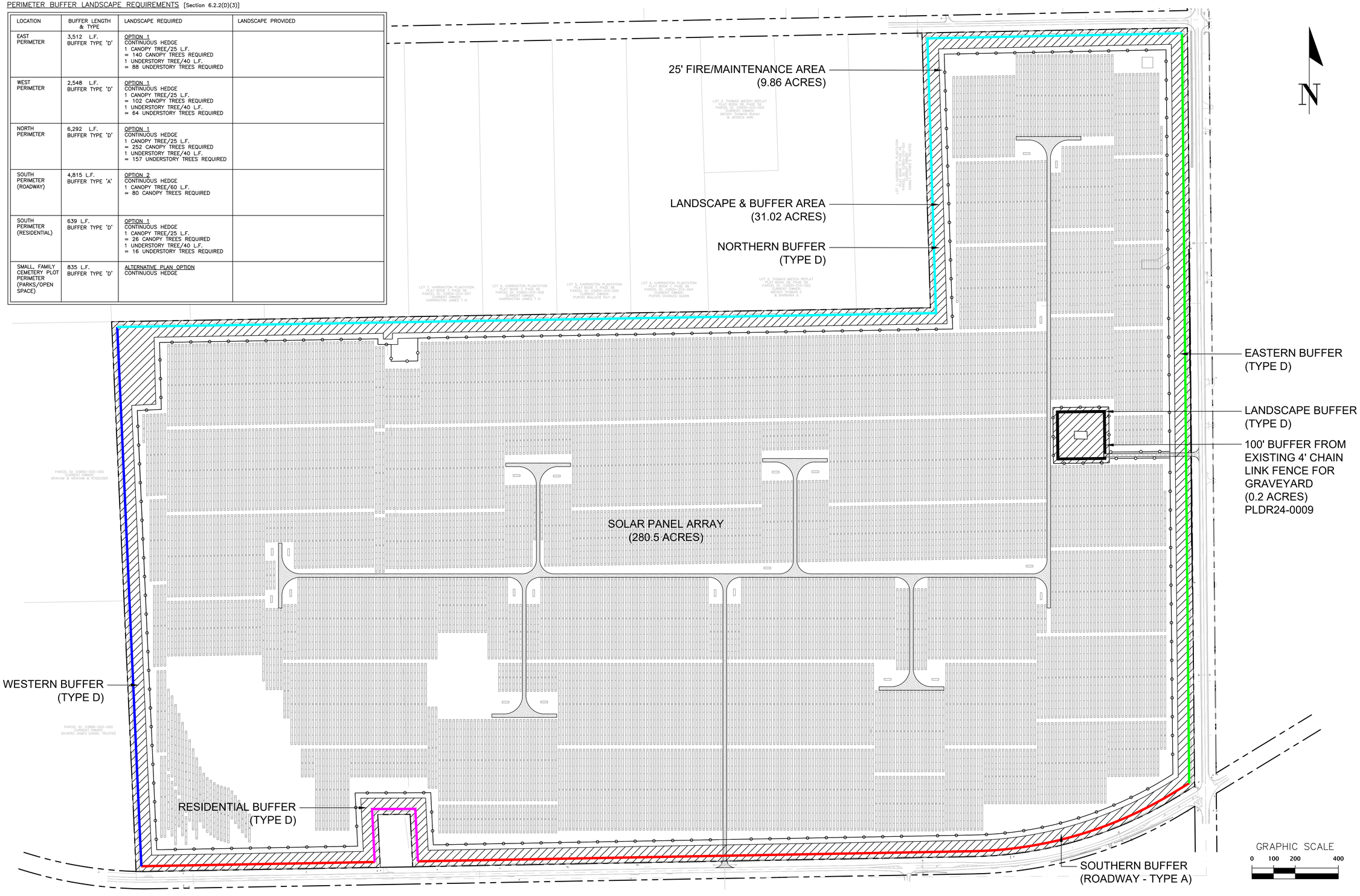
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: C. TOLAR
PROJECT NUMBER: 21-0275

SHEET NO.:

PERIMETER BUFFER LANDSCAPE REQUIREMENTS [Section 6.2.2(D)(3)]

LOCATION	BUFFER LENGTH & TYPE	LANDSCAPE REQUIRED	LANDSCAPE PROVIDED
EAST PERIMETER	3,512 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 140 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 88 UNDERSTORY TREES REQUIRED	
WEST PERIMETER	2,548 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 102 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 64 UNDERSTORY TREES REQUIRED	
NORTH PERIMETER	6,292 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 252 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 157 UNDERSTORY TREES REQUIRED	
SOUTH PERIMETER (ROADWAY)	4,815 L.F. BUFFER TYPE 'A'	OPTION 2 CONTINUOUS HEDGE 1 CANOPY TREE/60 L.F. = 80 CANOPY TREES REQUIRED	
SOUTH PERIMETER (RESIDENTIAL)	639 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 26 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 16 UNDERSTORY TREES REQUIRED	
SMALL, FAMILY CEMETERY PLOT PERIMETER (PARKS/OPEN SPACE)	835 L.F. BUFFER TYPE 'D'	ALTERNATIVE PLAN OPTION CONTINUOUS HEDGE	



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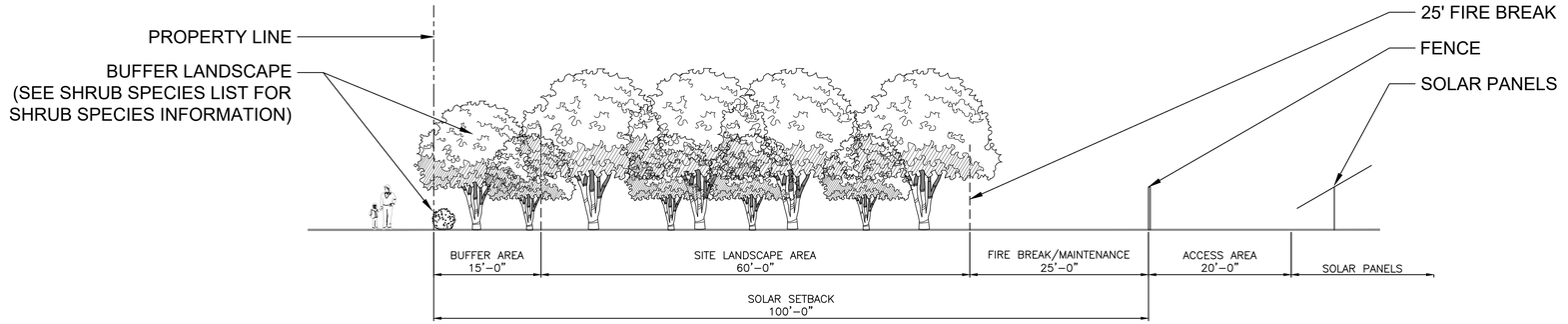
CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
02/29/2024 - LANDSCAPE BUFFER EXHIBIT

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: C. TOLAR
PROJECT NUMBER: 21-0275

SHEET NO.:



PERIMETER SETBACK AND BUFFER SECTION
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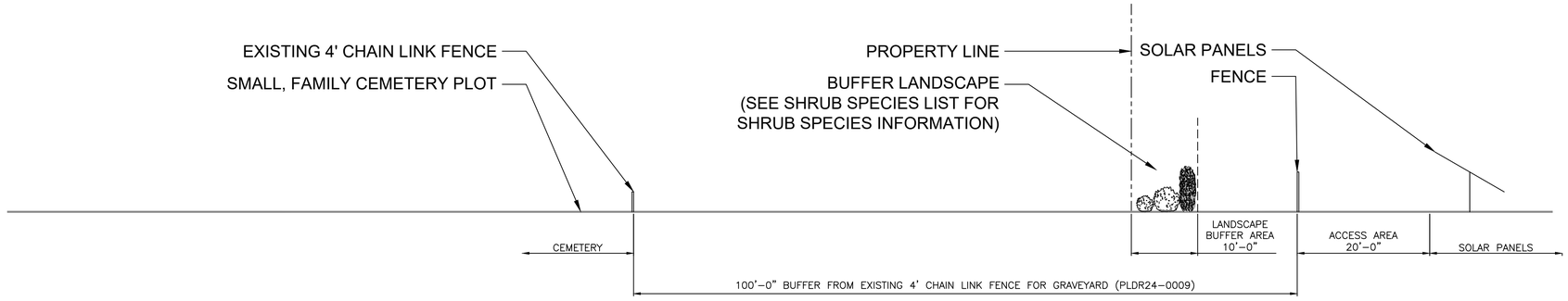

CEMETERY SETBACK AND BUFFER SECTION
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SHRUB SPECIES LIST
PERIMETER BUFFER:
SWEET VIBURNUM
DWARF BURFORD HOLLY
BOXWOOD
MRS. SCHILLER'S DELIGHT VIBURNUM
CEMETERY BUFFER:
PODOCARPUS
SWEET VIBURNUM
DWARF BURFORD HOLLY

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
02/29/2024 - LANDSCAPE BUFFER EXHIBIT

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE SECTION

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: C. TOLAR
PROJECT NUMBER: 21-0275

SHEET NO.:

LANDSCAPE REQUIREMENTS (PER ALTERNATIVE LANDSCAPE PLAN)

LANDSCAPED AREA REQUIREMENT

PER CITY OF ALACHUA COMPREHENSIVE PLAN FUTURE LAND USE ELEMENT, POLICY 2.4.A

TOTAL SITE AREA.....320.50 ACRES
ADJUSTED SITE AREA.....26.00 ACRES

SITE LANDSCAPE CALCULATIONS [Sec. 6.2.2(D)(1)(c)]*

DESCRIPTION	TREE REQUIREMENTS	TREES PROVIDED
PRIMARY SIDE CANOPY TREES (EAST SIDE)	4 TREES PER ACRE X 26.00 ACRES = 104 CANOPY TREES REQUIRED	
REAR SIDE CANOPY TREES (WEST SIDE)	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	
SOUTH SIDE CANOPY TREES	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	
NORTH SIDE CANOPY TREES	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	
SITE UNDERSTORY TREES	8 UNDERSTORY TREES PER ACRE X 26.00 ACRES = 208 TREES REQUIRED 50% IN FRONT (EAST SIDE) = 104 TREES REQUIRED 25% ON NORTH SIDE = 52 TREES REQUIRED 25% ON SOUTH SIDE = 52 TREES REQUIRED	

PERIMETER BUFFER LANDSCAPE REQUIREMENTS [Section 6.2.2(D)(3)]

LOCATION	BUFFER LENGTH & TYPE	LANDSCAPE REQUIRED	LANDSCAPE PROVIDED
EAST PERIMETER	3,512 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 140 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 88 UNDERSTORY TREES REQUIRED	
WEST PERIMETER	2,548 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 102 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 64 UNDERSTORY TREES REQUIRED	
NORTH PERIMETER	6,292 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 252 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 157 UNDERSTORY TREES REQUIRED	
SOUTH PERIMETER (ROADWAY)	4,815 L.F. BUFFER TYPE 'A'	OPTION 2 CONTINUOUS HEDGE 1 CANOPY TREE/60 L.F. = 80 CANOPY TREES REQUIRED	
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SMALL, FAMILY CEMETERY PLOT PERIMETER (PARKS/OPEN SPACE)	835 L.F. BUFFER TYPE 'D'	ALTERNATIVE PLAN OPTION CONTINUOUS HEDGE	

CANOPY AND UNDERTORY TREE REQUIREMENT SUMMARY

LANDSCAPE REQUIREMENTS	TREE TYPE BREAKDOWN
SITE REQUIREMENTS	338 CANOPY TREES 208 UNDERSTORY TREES
BUFFER REQUIREMENTS	600 CANOPY TREES 325 UNDERSTORY TREES
TOTAL REQUIREMENTS	938 CANOPY TREES 533 UNDERSTORY TREES 1,471 TOTAL TREES

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS: 02/29/2024 - LANDSCAPE REQUIREMENTS EXHIBIT

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE REQUIREMENTS COMPARISONS

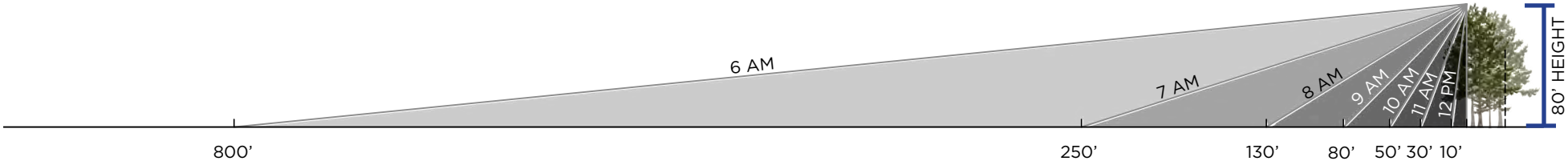
TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: C. TOLAR
PROJECT NUMBER: 21-0275

SHEET NO.:

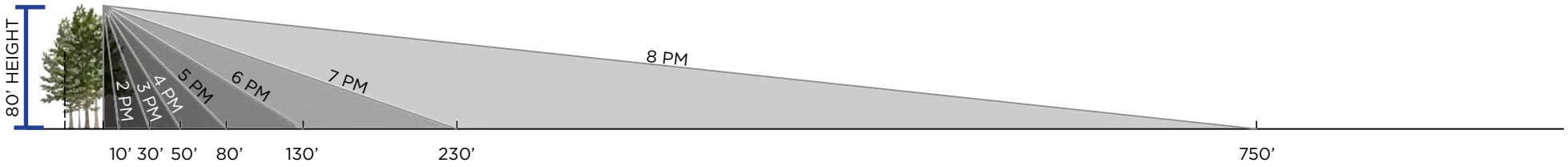
Tech: john-michaels Plot Date: Feb 28,2024 7:04pm Filename: N:\2021\21-0275\Departments\03_Design\02_DWGs\01_Permitting\21-0275 Design Base_JM53.dwg

SHADOW ANALYSIS (SECTION VIEW)

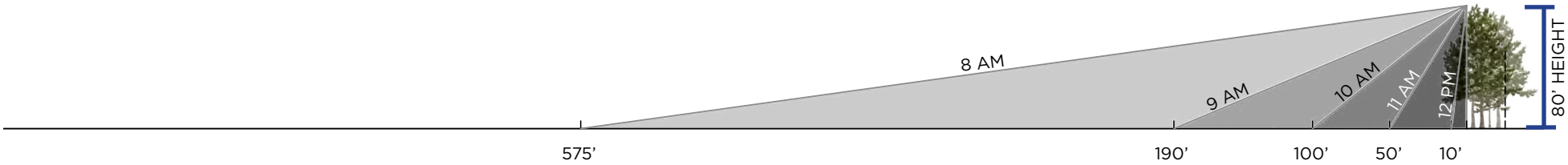
JUNE 20 (MORNING)



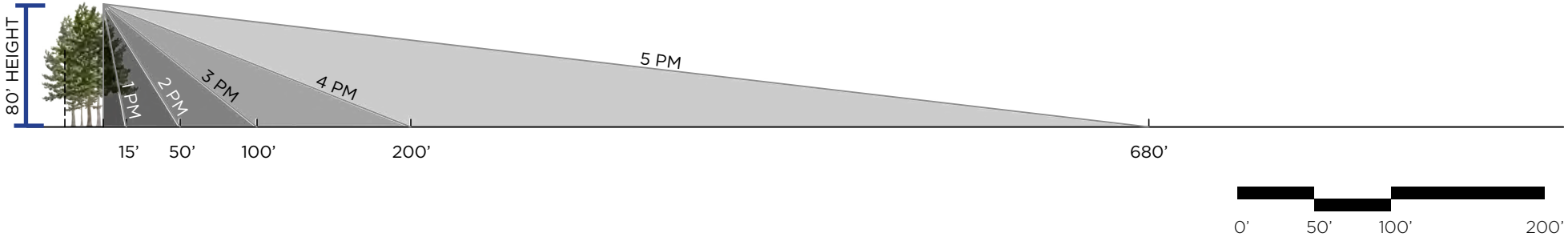
JUNE 20 (AFTERNOON)



DECEMBER 20 (MORNING)



DECEMBER 20 (AFTERNOON)



SHADOW ANALYSIS (PLAN VIEW)

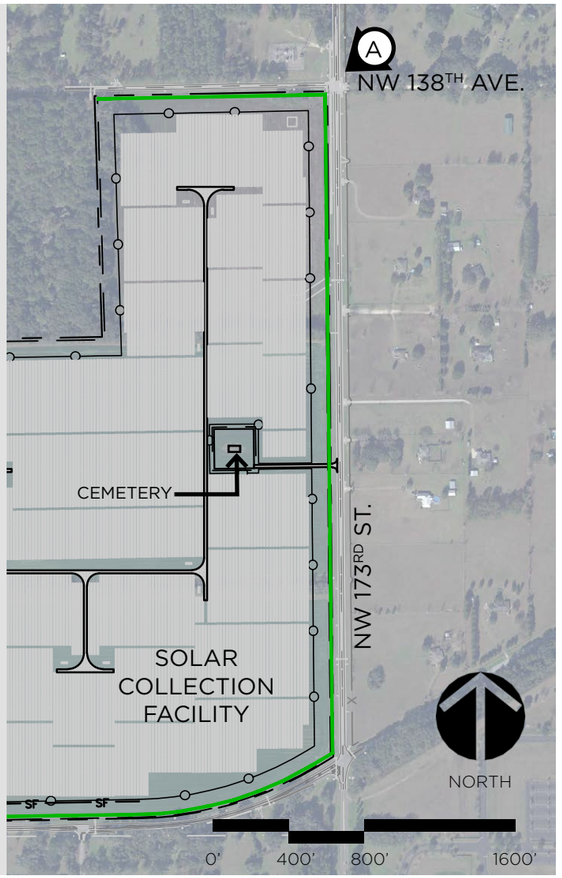
JUNE 20 (AFTERNOON) (80’ CANOPY HEIGHT)



DECEMBER 20 (AFTERNOON) (80’ CANOPY HEIGHT)



LOCATION MAP



PERSPECTIVE A - EXISTING



PERSPECTIVE A - PER CODE (AT INSTALLATION)

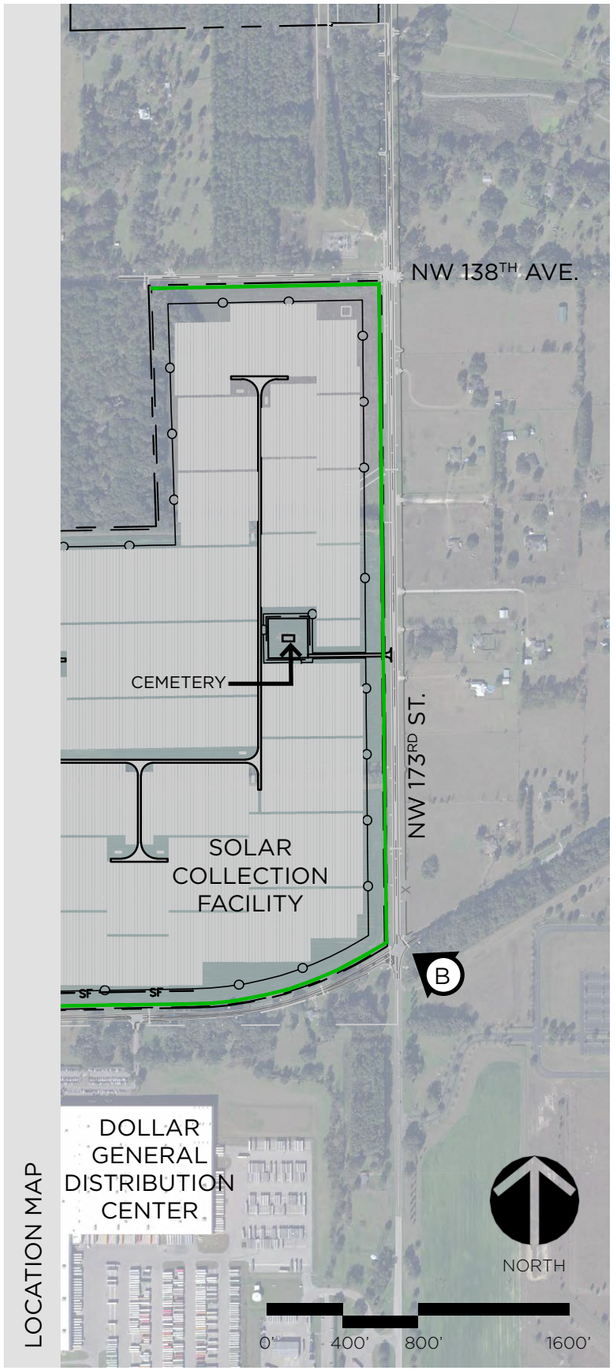


PERSPECTIVE A - PER CODE (+10 YEARS)

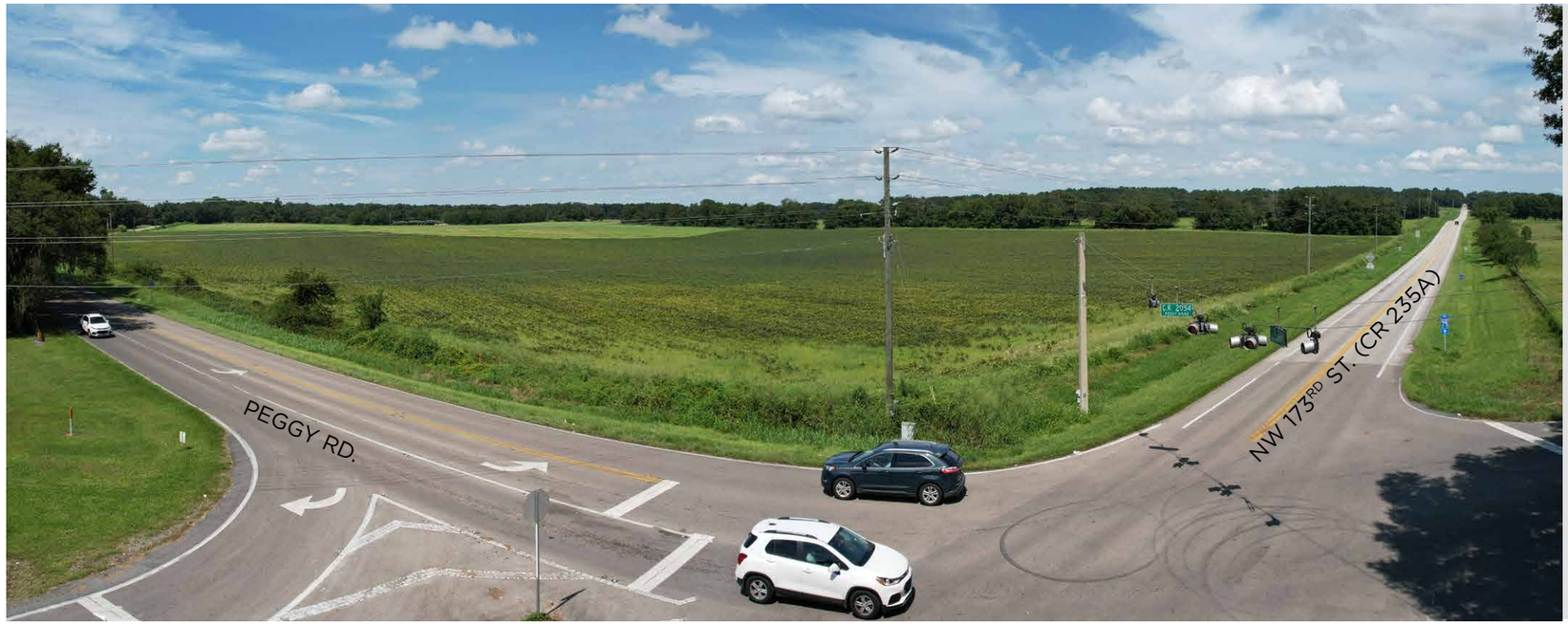


PLEASANT SOLAR | PERSPECTIVE A (CODE-MINIMUM) | 12-20-2023

SOLARIANT | CHW Professional Consultants



LOCATION MAP



PERSPECTIVE B - EXISTING



PERSPECTIVE B - PER CODE (±10 YEARS)

MEMORANDUM

Pleasant Solar

21-0275

CHW Professional Consultants

To: City of Alachua

From: Andy Woodruff (CHW Ecological Services)

Date: 12/22/2023

RE: Pleasant Solar Perimeter Fencing and Wildlife Corridor

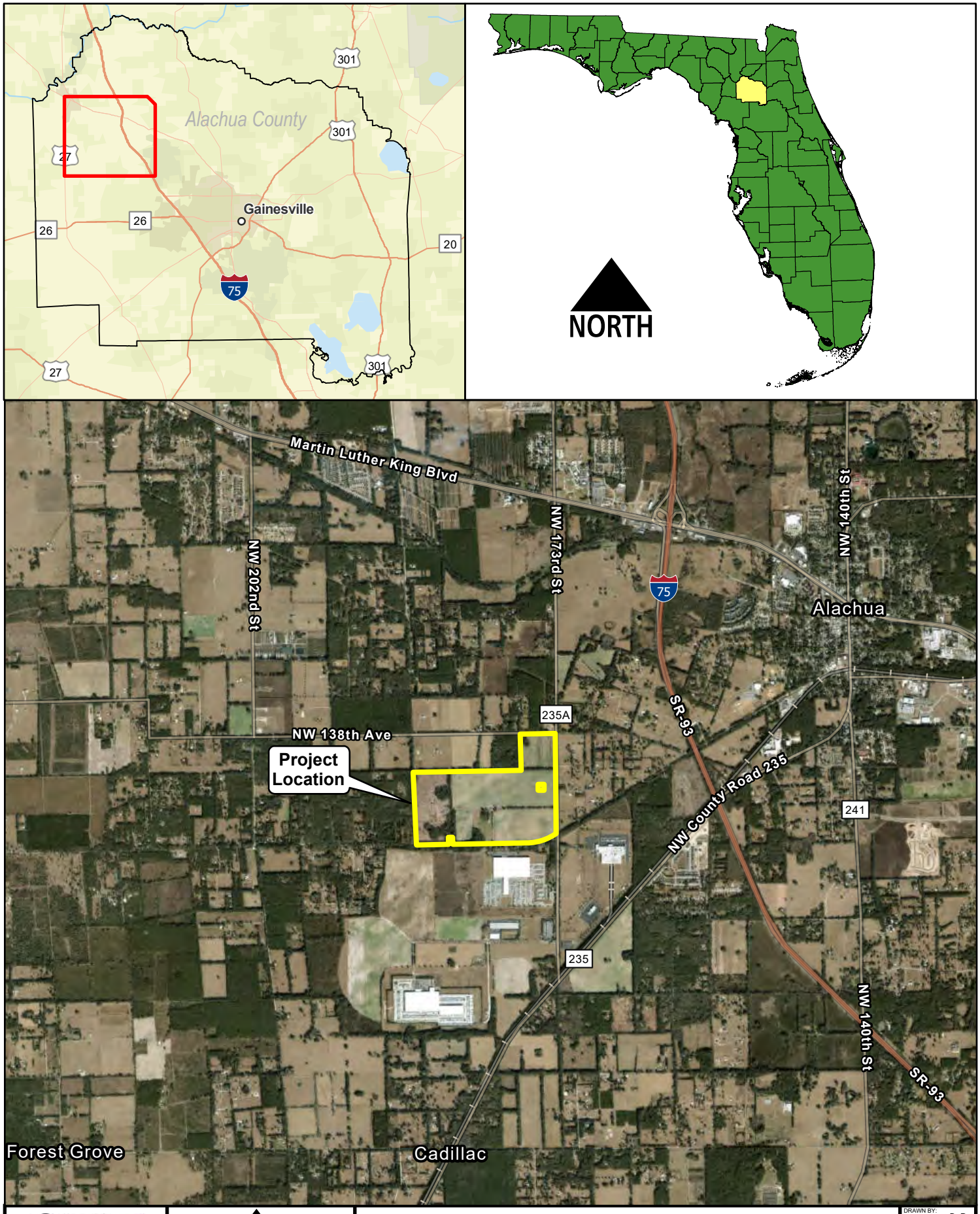
Current utilization by wildlife likely includes a variety of mammals, reptiles and amphibians, birds, and invertebrates that are known to inhabit disturbed ecosystems. Use of the site by large and medium sized mammals is already limited by its position in the landscape and limited existing native habitat conditions (Exhibit 1). The proposed site does not bisect large natural areas or otherwise serve as a significant regional corridor for wildlife movement (Exhibits 2 and 3). Past agricultural and silvicultural use of the property has limited available habitat for wildlife utilization in the proposed solar field and surrounding areas. Corridors for wildlife at this location are interrupted to the south by existing abutting roads and industrial developments, to the north by open agricultural areas, and to the east by abutting roadways and residential development (Exhibit 4). The site is not a critical link to adjacent protected areas of ecological significance.

From May 25 to May 27, 2022, TRC Environmental Corporation biologists conducted onsite surveys for state and federally listed species (Threatened and Endangered Species Habitat Assessment Report, December 2022). TRC identified no listed wildlife species present. Furthermore, based on TRC's onsite evaluation, the potential likelihood for listed wildlife species occurrence was determined to either be "none" or "low" based on lack of habitat conditions to support either foraging or nesting.

For safety and security purposes the proposed Pleasant Solar facility must provide for perimeter fencing that will limit movement across the site by large and medium sized mammals. In accordance with Chapter 110.31 of the National Electrical Code: "*For installations other than equipment as described in 110.31(D), a wall, screen, or fence shall be used to enclose an outdoor electrical installation to deter access by persons who are not qualified. A fence shall not be less than 2.1 m (7 ft) in height or a combination of 1.8 m (6 ft) or more of fence fabric and a 300 mm (1 ft) or more extension utilizing three or more strands of barbed wire or equivalent.*"

The desire to allow fence permeability into the proposed solar field for large and medium sized mammals will conflict with site security concerns and does not appear warranted based on existing and proposed onsite habitat conditions and limited surrounding natural resources.

In order to provide for some continued wildlife compatibility with the proposed solar use, there is a plan of plantings within a 100-foot setback strip surrounding the solar field (Exhibit 5). The groundcover within the solar field will be planted with a low maintenance, pollinator friendly, seed mix to increase biodiversity and benefit pollinating invertebrates. Between the solar field security fencing and the property line there is a proposed 100-foot setback which includes: over one thousand existing trees to be preserved, a 25-foot wide clear fire safety strip, and a 75-foot width for site/buffer landscape plantings. This 100-foot perimeter area will act as a wildlife corridor for continued linkage around the project site, while maintaining security and a visual barrier for neighboring land uses. The 100-foot corridor will incorporate existing mature trees and a planting plan to include a majority native and naturalized trees, shrubs, and groundcover.



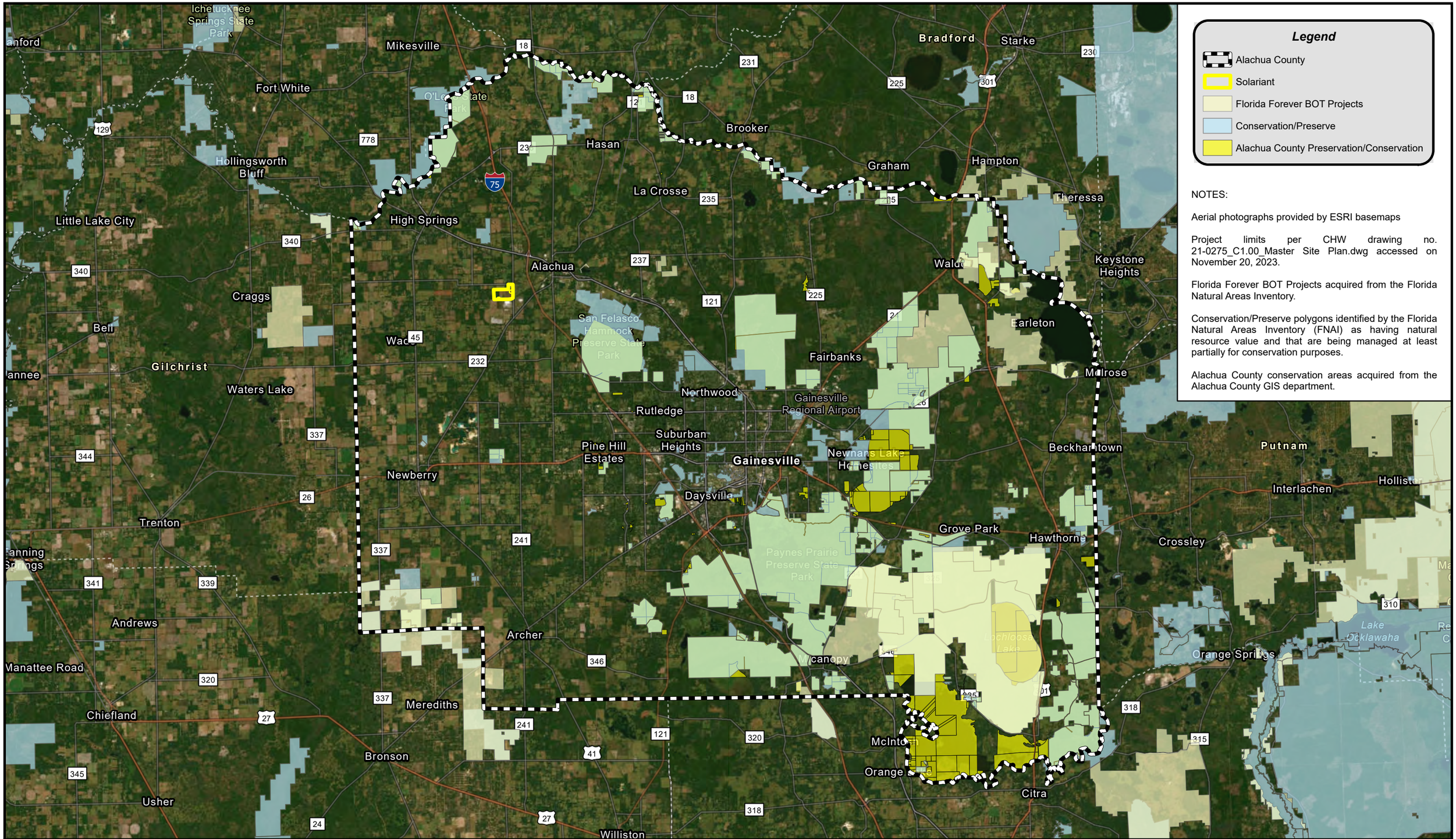
CHW Professional Consultants
www.chw-inc.com

NORTH
0 0.5 1
Miles

Project Location Map
Pleasant Solar

DRAWN BY:	D.B.
DRAWING DATE:	11/20/23
REVIEWED BY:	A.W.
EXHIBIT NUMBER:	Exhibit 1

Document Path: N:\2021\21-0275\Admin & Information\07_Maps\GIS\APRX\Wildlife_Corridor\Corridor\Corridor.aprx Prepared by: DB Date: 11/21/2023



NOTES:

Aerial photographs provided by ESRI basemaps

Project limits per CHW drawing no. 21-0275_C1.00_Master Site Plan.dwg accessed on November 20, 2023.

Florida Forever BOT Projects acquired from the Florida Natural Areas Inventory.

Conservation/Preserve polygons identified by the Florida Natural Areas Inventory (FNAI) as having natural resource value and that are being managed at least partially for conservation purposes.

Alachua County conservation areas acquired from the Alachua County GIS department.

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Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA CA-5075

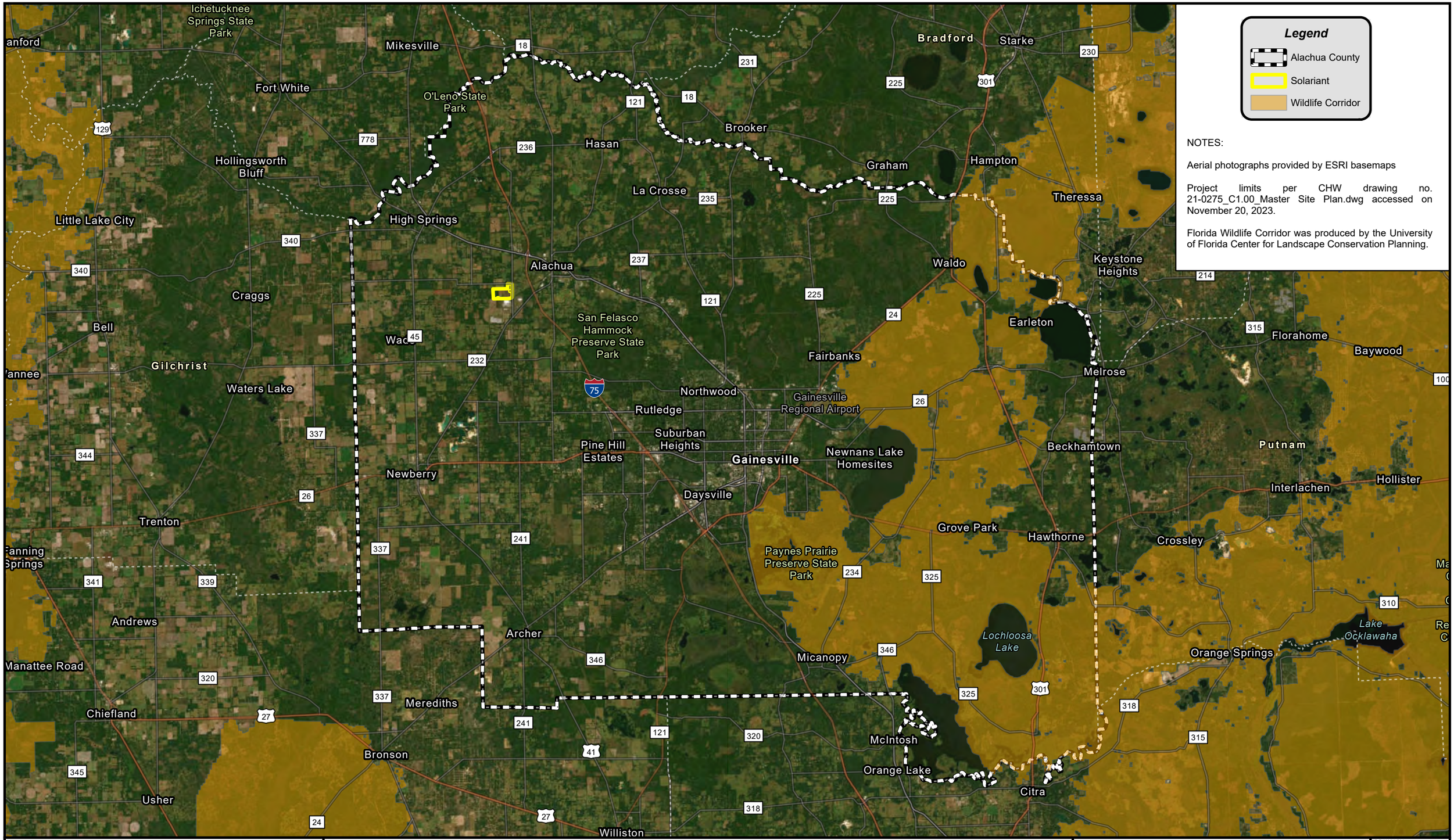
Regional Aerial with Protected Lands
Pleasant Solar

0 4 8
Miles

NORTH

DRAWN BY: D.B.
DRAWING DATE: 11/21/23
REVIEWED BY: A.W.
EXHIBIT NUMBER: Exhibit 2

Document Path: N:\2021\21-0275\Admin & Information\07_Maps\GIS\APRX\Wildlife_Corridor\Corridor\Corridor.aprx Prepared by: DB Date: 11/21/2023



Legend

- Alachua County
- Solariant
- Wildlife Corridor

NOTES:

Aerial photographs provided by ESRI basemaps

Project limits per CHW drawing no. 21-0275_C1.00_Master Site Plan.dwg accessed on November 20, 2023.

Florida Wildlife Corridor was produced by the University of Florida Center for Landscape Conservation Planning.

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CA-5075

Regional Aerial with Florida Wildlife Corridor
Pleasant Solar

0 4 8
Miles

NORTH

DRAWN BY: D.B.
DRAWING DATE: 11/21/23
REVIEWED BY: A.W.
EXHIBIT NUMBER: Exhibit 3

Document Path: N:\2021\21-0275\Admin & Information\07_Maps\GIS\APRX\Wildlife_Corridor\Corridor\Corridor.aprx Prepared by: DB Date: 11/21/2023

Legend

Property Boundary

NOTES:

Aerial photographs provided by the Florida Department of Transportation and were flown in 2022.

Project limits per CHW drawing no. 21-0275_C1.00_Master Site Plan.dwg accessed on November 20, 2023.



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Aerial With Boundary
Pleasant Solar

0 500 1,000
US Feet

NORTH

DRAWN BY:	D.B.
DRAWING DATE:	11/20/23
REVIEWED BY:	A.W.
EXHIBIT NUMBER:	Exhibit 4

Document Path: N:\2021\21-0275\Admin & Information\07_Maps\GIS\APRX\Wildlife_Corridor\Corridor\Corridor.aprx Prepared by: DB Date: 11/21/2023

Legend

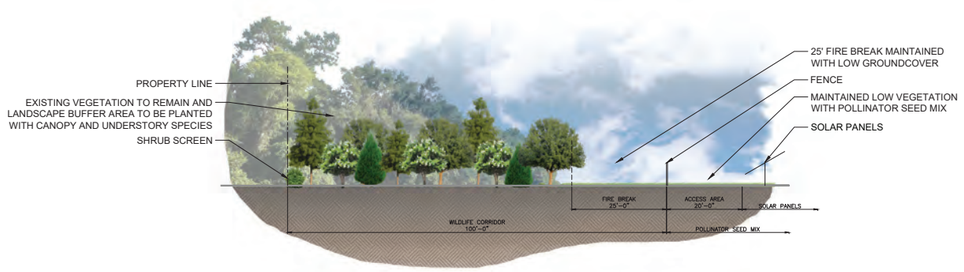
- Property Boundary
- Perimeter Fence
- Wildlife Corridor

NOTES:

Aerial photographs provided by the Florida Department of Transportation and were flown in 2022.

Project limits and wildlife fence per CHW drawing no. 21-0275_C1.00_Master Site Plan.dwg accessed on November 20, 2023.

TYPICAL WILDLIFE CORRIDOR SECTION (A-A')



A

A'

NW 138th Ave

235A

NW 173rd St

Cemetery

Peggy Rd

Peggy Rd

Peggy Rd

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(352) 331-1976
www.chw-inc.com

est. 1988 FLORIDA CA-5075

Wildlife Corridor
Pleasant Solar

0 500 1,000
US Feet

NORTH

DRAWN BY: D.B.
DRAWING DATE: 11/20/23
REVIEWED BY: A.W.
EXHIBIT NUMBER: Exhibit 5

Document Path: N:\2021\21-0275\Admin & Information\07_Maps\GIS\APRX\Wildlife_Corridor\Corridor\Corridor.aprx Prepared by: DB Date: 11/21/2023



Pleasant Solar LLC

Special Exception Justification Report

September 14, 2023
Resubmitted March 7, 2024
Resubmitted May 2, 2024

Prepared for:
City of Alachua Planning & Zoning Department

Prepared on behalf of:
Pleasant Solar LLC

Prepared by:
CHW Professional Consultants

PN# 21-0275

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Statement of Proposed Change 5
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Comprehensive Plan Consistency 10
Land Development Regulations Consistency 14
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Figure 2: Future Land Use Map 6
Figure 3: Zoning Map Atlas 7
Figure 4: Cathcart Graveyard Buffering Exhibit 15

Executive Summary

Jurisdiction: City of Alachua	**Development Intent:** Solar energy collection and storage facility (Major Utility)
Location Description/Address: 17910 Peggy Road, Alachua, FL 32615	
Parcel Numbers: 03894-000-000, 03894-002-000, & 03898-000-000	**Site Acreage:** ±321.49 acres (Source: CHW Survey)

Existing Future Land Uses:

Agriculture (A): The Agricultural land use category is established to maintain agriculture operations within city limits as well as preserve the rural character and small-town charm of Alachua. The following types of uses are permitted:

1. Residential uses;
2. Community services;
3. Agri-business and agritourism uses; and
4. Rural conservation subdivision option

Solar energy collection facilities are permitted by right in Agricultural land use per Florida Statutes SS. 163.3205(3).

§163.3205 Solar facility approval process.

(1) It is the intent of the Legislature to encourage renewable solar electrical generation throughout the state. It is essential that solar facilities and associated infrastructure be constructed and maintained in various locations throughout the state in order to ensure the availability of renewable energy production, which is critical to this state's energy and economic future.

(2) As used in this section, the term "solar facility" means a production facility for electric power which:

(a) Uses photovoltaic modules to convert solar energy to electricity that may be stored onsite, delivered to a transmission system, and consumed primarily offsite.

(b) Consists principally of photovoltaic modules, a mounting or racking system, power inverters, transformers, collection systems, battery systems, fire suppression equipment, and associated components.

(c) May include accessory administration or maintenance building, electric transmission lines, substations, energy storage equipment, and related accessory uses and structures.

(3*) A solar facility shall be a permitted use in all agricultural land use categories in a local government comprehensive plan* and all agricultural zoning districts within an unincorporated area, and must comply with the setback and landscaped buffer area criteria for other similar uses in the agricultural district.

(4) A county may adopt an ordinance specifying buffer and landscaping requirements for solar facilities. Such requirements may not exceed the requirements for similar uses involving the construction of other facilities that are permitted uses in agricultural land use categories and zoning districts.

Moderate Density Residential (MOD), 0 to 4 dwelling units per acre:

The Moderate Density Residential land use category allows residential development at a maximum density of 4 dwelling units per acre.

Acres	Dwelling Units per Acre	Maximum Dwelling Units
285 x	4	= 1,140

Existing Zoning Districts:

Agricultural (A) District

The A district is intended to provide for areas primarily consisting of agriculture uses and agriculture support uses and also allow low-density single-family residential development. The maximum residential density allowed in the district is one dwelling unit per five acres, except that homesteaded lots may be developed at one unit per two acres.

Solar energy collection facilities (major utilities) are permitted in Agricultural zoning by Special Exception per LDR Table 4.1-1.

Residential District (RSF-4)

RSF-4, Residential Single-Family 4. ***A solar collection facility (major utility) use is permitted in RSF-4 by Special Exception.***

*A "special exception" is a use that is generally compatible with the other uses permitted in a zone district, but requires individual review of the location, design, configuration, density, intensity, and public facility impact to determine the appropriateness of the use on any particular site in the district and their compatibility with adjacent uses. (*City of Alachua Code of Ordinances, Subpart B: Land Development Regulations, Article 2, Administration, Sec. 2.4.4 (A))

Request:

Special Exception to permit a solar energy collection and storage facility on the subject property.

Statement of Proposed Change

This Special Exception application is submitted concurrently with the Pleasant Solar LLC site plan and application. All supporting documentation, including sound study, environmental analysis, and geotechnical information, is intended to provide justification material for both applications.

LDR Administrator Interpretation #PDLR24-0009 and Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001 are also included with other supporting documentation.

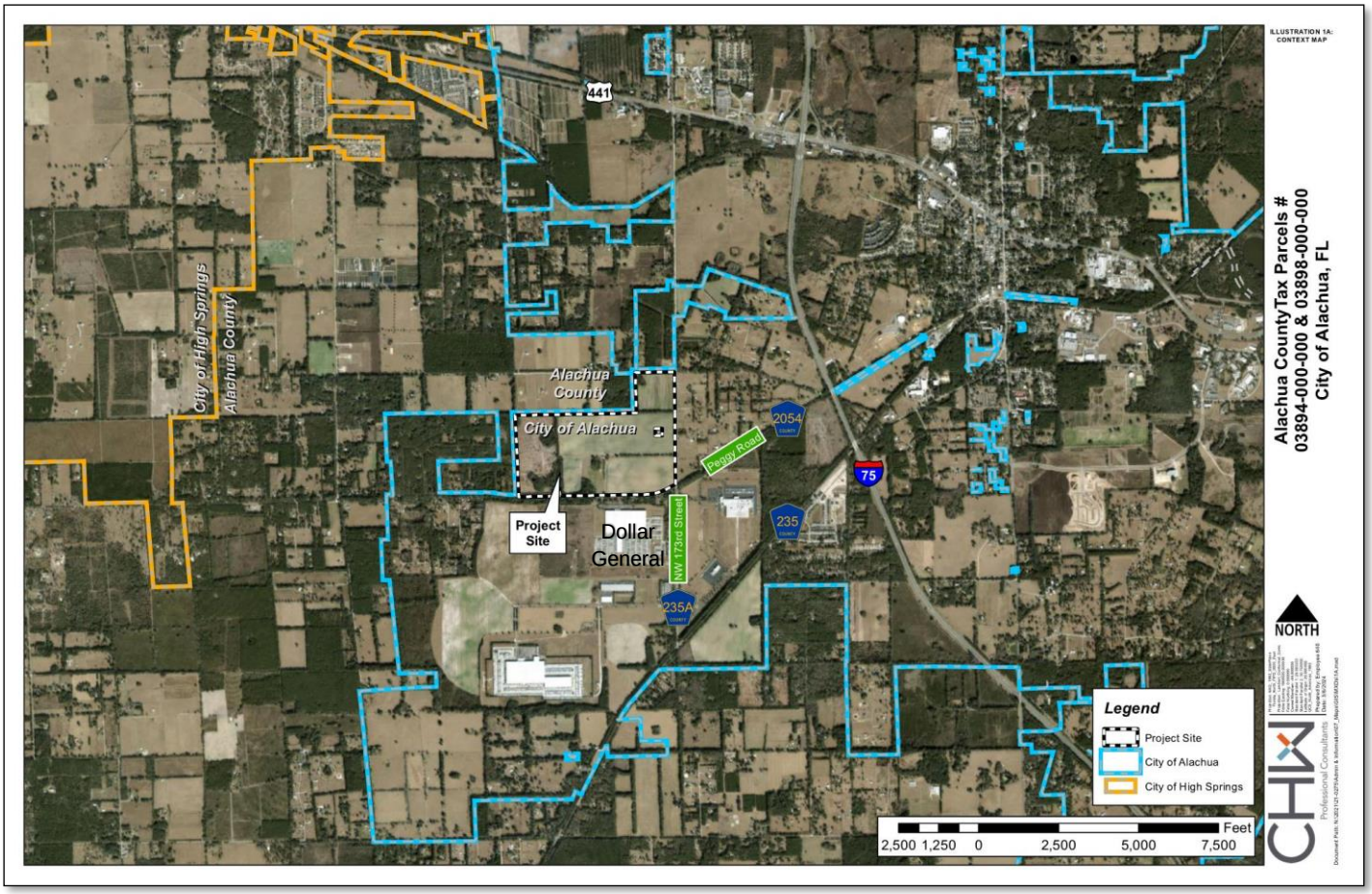

Figure 1: Aerial Map

This Special Exception application requests to permit a major utility solar energy collection and storage facility on ±321.49 acres (Alachua County Tax Parcels 03894-000-000 and 03898-000-000) in the City of Alachua. The project site is located at 17910 Peggy Road (on the north side of Peggy Rd/CR 2054), the west side of NW 173rd Street/CR 235A, and south of local road NW 138th Avenue. **Figure 1**, an aerial map, shows the site location and adjacent uses.

The City of Alachua Land Development Regulations (LDRs) have not established specific requirements for the use of a "solar energy collection and storage facility." However, a **"major utility" is defined as "infrastructure services providing regional or communitywide service that normally entails the construction of new buildings or structures**." The proposed solar energy collection and storage facility addresses the "use specific" standards for a "major utility" within the City of Alachua LDRs.

The maps in **Figure 2** and **Figure 3** show the existing land use and zoning of the subject property and surrounding properties. **Table 1** shows the surrounding Future Land Use and Zoning designations.

The subject property currently has two (2) City of Alachua Land Use Classifications. The parcel to the north is Agriculture (1 dwelling unit per 5 acres (du/ac)). The larger parcel to the south is Moderate Density Residential (1-4 du/ac). There is a ± 2,100 sq. ft. small, family cemetery plot (known as Cathcart Cemetery) internal to the southern parcel surrounded by an existing 1 acre buffer. The project site has two (2) City Zoning Categories, Agriculture and Residential Single-Family-4 (RSF-4), and Alachua County Rural Agriculture on 1 acre.

Table 1: Surrounding Future Land Use and Zoning Designations

Direction	Future Land Use Designation	Zoning Designation
North	Rural/Agricultural	A
East	Agricultural	A
South	Industrial	IND
West	Rural/Agricultural	A

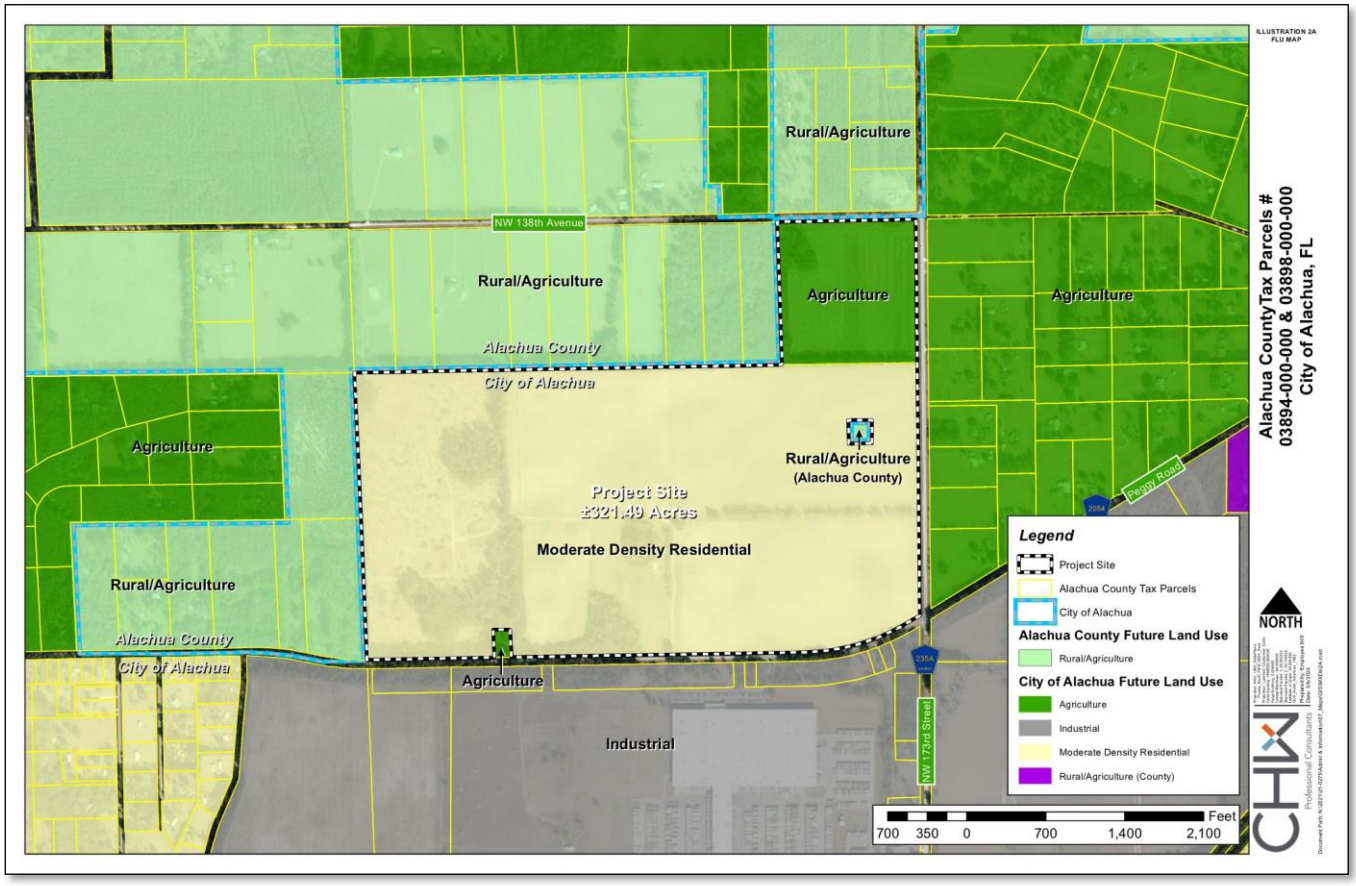

Figure 2: Future Land Use Map

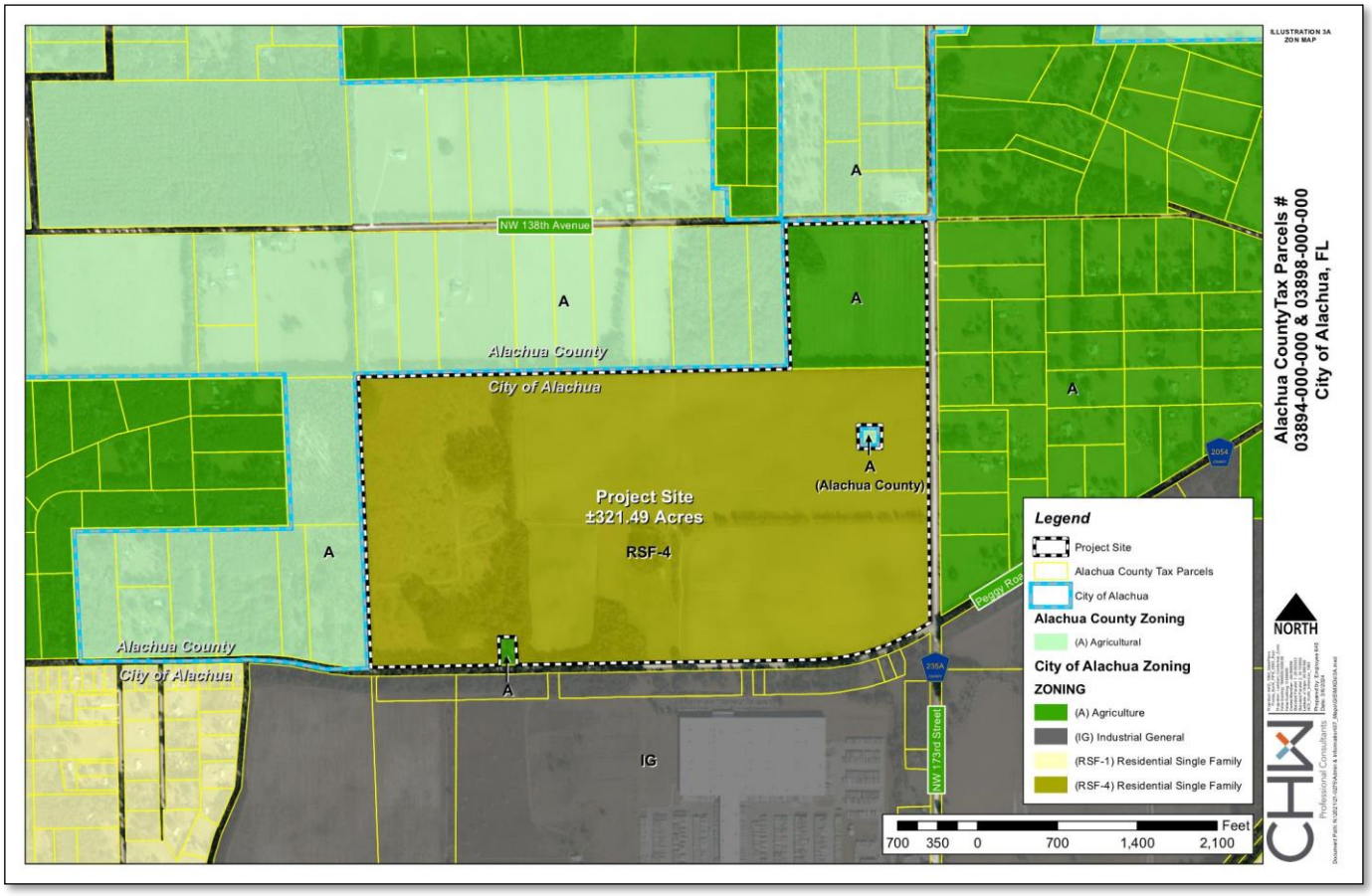

Figure 3: Zoning Map Atlas

Solar Energy Collection Facilities in Florida Statutes

Solar energy collection facilities are permitted by right in Agricultural land use and zoning per Florida Statutes SS. 163.3205(3).

§163.3205 Solar facility approval process.

(1) It is the intent of the Legislature to encourage renewable solar electrical generation throughout the state. It is essential that solar facilities and associated infrastructure be constructed and maintained in various locations throughout the state in order to ensure the availability of renewable energy production, which is critical to this state's energy and economic future.

(2) As used in this section, the term "solar facility" means a production facility for electric power which:

(a) Uses photovoltaic modules to convert solar energy to electricity that may be stored onsite, delivered to a transmission system, and consumed primarily offsite.

(b) Consists principally of photovoltaic modules, a mounting or racking system, power inverters, transformers, collection systems, battery systems, fire suppression equipment, and associated components.

(c) May include accessory administration or maintenance building, electric transmission lines, substations, energy storage equipment, and related accessory uses and structures.

(3) *A solar facility shall be a permitted use in all agricultural land use categories in a local government comprehensive plan* and all agricultural zoning districts within an unincorporated

area, and must comply with the setback and landscaped buffer area criteria for other similar uses in the agricultural district.

(4) A county may adopt an ordinance specifying buffer and landscaping requirements for solar facilities. Such requirements may not exceed the requirements for similar uses involving the construction of other facilities that are permitted uses in agricultural land use categories and zoning districts.

Major utilities are permitted in RSF-4 by Special Exception in the City of Alachua.

2.4.4 Special exception permit.
(A) Purpose. The purpose of this subsection is to provide a means for reviewing applications for approval of uses allowed as special exceptions. These are uses that are generally compatible with the other uses permitted in a zone district, but require individual review of their location, design, configuration, density, intensity, and public facility impact to determine the appropriateness of the use on any particular site in the district and their compatibility with adjacent uses. ***Special exception uses may require the imposition of conditions to ensure the appropriateness of the use at a particular location.***

In preparation of the application, the applicant and consulting team reviewed Article 4 – USE REGULATIONS Sec. 4.3. – Use Specific Standards, specifically (3) Utility, Major. Land Development Regulations Consistency, beginning on Page 13, contains a detailed Consistency Statement. The document also proposes imposition of a condition to ensure appropriateness of the use at its particular location in accordance with the enabling language in Sec. 2.4.4 (A).

Special Exception Report and Supporting Documentation – Key Points

This Report addresses how the proposed Special Exception adheres to the City of Alachua Comprehensive Plan and all LDRs. *All supporting documentation for the site plan application, including sound study, environmental analysis, and geotechnical information, is intended to provide justification material for this Special Exception application.* ***LDR Administrator Interpretation #PDLR24-0009 and Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001 are included with the supporting documentation.***

Key points that will be addressed in this report:

- The proposed solar energy collection and storage facility represents **a significantly lower impact and more compatible use in the immediate and context area** than the 4du/acre residential development that is currently permittable on the southern parcel. The existing Land Use and Zoning of the southern parcel entitles up to 1,140 homes to be permitted, abutting 1du/acre rural agricultural homesites to the west, north, and east. The intensity and density of the permittable use is higher than the proposed use as a solar collection facility.

- The proposed unmanned, remotely-monitored, solar energy collection and storage facility **will have *de minimus* impacts on current traffic patterns or levels of service for transportation**. One driveway access is proposed from Peggy Road, directly across from the Industrial zoning district Dollar General warehouse. General maintenance of the solar site will be conducted once or twice monthly. **No parking areas** are proposed for the facility. The Concurrency Report has been submitted with the site plan application.

- The proposed use will have **no impacts on infrastructure, sanitary sewer, solid waste, or public schools**. There will be a water connection to the site, and electric will be self-generated

from the panels. Stormwater runoff from the proposed driveways between solar panels will be captured onsite, making use of naturally low-lying areas of the site.

- For the currently permittable residential use, there would be no landscape buffers required between land uses, and minimal 15' rear yard setbacks. By contrast, the proposed site plan for the solar facility provides a **100' setback from surrounding property lines (with exception of the cemetery which is addressed in LDR Administrator Interpretation #PDLR24-0009), a fence around the solar array, and heavily landscaped buffers around the perimeter of the site**. The Site Plan, Landscape Plan, and Fencing Plan have been submitted with the Pleasant Solar LLC application.

- A Property Value Impact Study analysis submitted with this application shows **no impact in home values due to an abutting or adjoining solar farm**. In addition, the **site can be returned to natural condition** at the end of the project life span, a minimum of 20 years to 40 years.

- This Special Exception application is asking as a condition of approval to allow a 7-foot high fence **to meet the security requirements of Rule 110.31 "Enclosure for Electrical Installations" of the National Electrical Code (NEC).**

As stated on Page 6**, a "special exception" is a use that is generally compatible with the other uses permitted in a zone district, but requires individual review of the location, design, configuration, density, intensity, and public facility impact to determine the appropriateness of the use on any site in the district and the compatibility with adjacent uses.**

The proposed solar collection and storage facility is consistent with the City of Alachua Comprehensive Plan and complies with "use specific" regulations for a "major utility," and "special exception standards" per the City LDRs, as shown in the following sections of this report.

Comprehensive Plan Consistency

This section identifies specific City of Alachua Comprehensive Plan Goals, Objectives, and Policies and explains how the Special Exception application is consistent with each. Text from the City of Alachua is provided in normal font while consistency statements are provided in **bold**.

FUTURE LAND USE ELEMENT

Policy 2.4.b Landscaping: Buffering – A buffer consists of horizontal space (land) and vertical elements (plants, berms, fences, walls) that physically separate and visually screen adjacent uses. The City shall establish buffer yard requirements that are based on the compatibility of the adjacent uses and the desired result of the buffer.

Landscape buffers are provided per City of Alachua Land Development Regulations (LDRs) and shown on the Landscape Plan submitted with this application. Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001 is included with this application.

All landscape buffers are provided within a 100' setback from the property line around the project perimeter, defined by a black vinyl-coated chain link fence around the solar array and a 25' fire break/maintenance path. The north, west, and southwest buffers are provided by a 15' wide area of preserved existing vegetation and proposed landscape plantings. The northeast and east buffers are provided by a 15' landscape buffer. A 15' buffer is provided around the southern boundary outcrop and a 5' buffer along the remaining southern perimeter. There is a 10' wide landscape buffer surrounding the small, family cemetery plot that is internal to the southern parcel (as shown on the Landscape Section in the approved Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001).

Policy 2.5 a: There shall be a minimum of 10% open space required. The City shall establish incentives for the provision of open space beyond minimum requirements.

The proposed solar collection and storage facility site plan provides ±11% of open space, exceeding the 10% open space requirement. A Landscape Plan showing this information has been submitted with this application.

Policy 5.1.a Topography: The City shall protect the natural topography of the City, including steep and seepage slopes, by requiring new development to include techniques to minimize negative impacts on the natural terrain. An emphasis will be placed on retaining the natural function of seepage slopes during development. Additionally, retention of existing native vegetation will be encouraged as one method of protecting slopes.

The natural drainage pattern of the site will be maintained and there will be minimal grading onsite. Along with the perimeter fence and landscape buffering, the natural slope of the property will further obscure views of the solar panels from CR 235A and adjacent properties. *The geotechnical summary report by GSE has been submitted with this application.*

Policy 5.1.d Wetlands: The City shall utilize statewide wetland delineation methodology in accordance with Florida Administrative Code (FAC) and regulations adopted by the FDEP and the Suwannee River Water Management District.

The application complies with State and Federal laws and regulations for delineation and protection of wetland areas. The wetland is protected with a 50' setback, and the natural depressional areas

are protected with a 100' setback. ***The geotechnical summary report by GSE has been submitted with this application. The Wetland Delineation Report has been submitted with this application.***

COMMUNITY FACILITIES ELEMENT

Objective 3.5: Stormwater System Design in High Aquifer Recharge Areas
The City shall work with the Suwanee River Water Management District and the FL Dept of Environmental Protection criteria for karst stormwater management system design.

Policy 3.5.a: The following general requirement apply to stormwater management systems within high aquifer recharge areas:

1. Stormwater shall not be directly discharged to active sinkholes;

Natural stormwater sheet flow will be maintained to the existing depression.

2. When soil and water table conditions allow, the use of offline retention systems for stormwater systems shall be required;

The goal of the stormwater treatment plan on this project is to maintain natural drainage patterns; therefore no offline retention systems are proposed.

3. Swale conveyances shall be used to the greatest extent possible and contextually appropriate;

The goal of the stormwater treatment plan on this project is to maintain natural drainage patterns. The majority of the site will remain at natural grade and some areas will be minimally graded. Two basins with swales are proposed in the areas with minimal grading.

4. Projects in areas zoned for industrial land uses shall not discharge industrial pollutants into the stormwater system or allow permit pollutants to come in contact with groundwater;

No industrial uses are proposed on the site. Solar panels are completely sealed. Routine inspection of the facility, including the solar modules, by an Operations & Management provider will occur and in the rare event of panel damage, the modules will be replaced and recycled as needed.

5. Natural depressions may be used for stormwater management only when hydrogeological evidence shows that the geologic structure and soils are stable and unlikely to form a direct connection to the groundwater. To verify geologic stability, the design professional shall provide soil boring information and/or supplemental data such as ground penetrating radar.

Hydrogeological stability is addressed in the geotechnical review, and soil borings are included in the data. Refer to the geotechnical report by GSE, which has been submitted with this application.

6. If the hydrogeological conditions are suitable and a natural depression is proposed for use as part of the stormwater management system, a spreader swale shall be employed at the inflow location;

No point discharges to the existing depression are proposed. Natural sheet flow condition will be preserved.

7. Regular inspection shall be conducted by developer/maintenance entity to visibly check for the indicators of or the existence of solution pipes; and

Inspections will be conducted as described in the Stormwater Operations and Maintenance document. Refer to the Stormwater Report for detailed information.

8. Remedial plugging activities shall employ methodologies acceptable to the applicable regulatory agency (the FL Dept of Environmental Protection or the Suwannee River WMD).

Remedial plugging activities, if required, shall meet the requirements and best practices of the Florida Department of Environmental Protection (FDEP) and Suwannee River Water Management District (SRWMD).

Policy 3.5.c. In addition to the requirements of Policy 3.5.a., stormwater systems in high aquifer recharge areas shall:

1. Use swales, preferably with cross block or raised driveway culverts, to promote retention/infiltration within swales; and

Natural sheet flow and drainage patterns on the site will be maintained.

2. Use shallow, vegetated, offline infiltration systems that are incorporated into a project's open space/landscaping areas.

No offline retention systems are proposed; the stormwater design will maintain natural drainage patterns.

CONSERVATION AND OPEN SPACE ELEMENT

Policy 1.2.j. The City shall require all new developments to maintain internal and external connectivity of all open space to the maximum extent practicable.

The ±11% open space set-aside exceeds the 10% requirement for the site. The project proposes to retain the existing wooded vegetation within the buffer areas of the 100 foot setback around the site's external perimeter. The majority of this existing wooded area stretches from the southwest, along the western boundary, and across the northern property line for a length of over 10,000 feet.

As shown on the Site Plan, the majority of the open space is located in the buffers. The open space area around the perimeter of the solar array will not be disturbed, affected by grading activities, and will remain natural and traversable for wildlife. Refer to the Memorandum "Pleasant Solar Perimeter Fencing and Wildlife Corridor" prepared by CHW Ecological Services for more information.

The open space area surrounding the existing natural depression is proposed to remain within the fenced area of the site for safety. The internal area of the site within the fence will be comprised of solar collection equipment and will be unmanned and remotely monitored. No parking areas or facilities will be provided. To provide safety for the public, the internal solar array areas of the site will be fully fenced. The land underneath the solar array area will be seeded with pollinator friendly plant species to increase biodiversity and benefit pollinating invertebrates.

Policy 1.8.a. The City shall comply with the Alachua County Hazardous Materials Management Code.

The purpose of the Alachua County Hazardous Material Management Code is to regulate and provide standards for storage, handling, and monitoring of hazardous materials to prevent discharges to the environment.

Solar panels are not addressed in the Alachua County Hazardous Materials Management Code. Federal and state solid and hazardous waste regulations may apply to solar panels only at the point that they are removed from service and/or must be discarded. Therefore, no monitoring is required.

Policy 1.10.a: The City shall utilize statewide wetland delineation methodology in accordance with Florida Administrative Code and regulations adopted by the DEP and the Suwannee River Water Management District.

An environmental analysis was conducted for the site. One wetland and three depressional areas were identified. A Site Plan (submitted with this application) has been designed to protect these areas with a 50' setback around the wetland area, and 100' setbacks around the depressional areas. ***The geotechnical summary report by GSE has been submitted with this application. The Wetland Delineation Report and Sinkhole Survey have been submitted with this application.***

Objective 1.13 Energy Conservation. The City shall encourage and promote the conservation of energy resources to reduce negative impacts to the environment.

Solar energy use supports the City's objective to conserve energy resources and reduce negative impacts to the environment. This proposed solar energy collection and storage facility will provide the City of Alachua and surrounding areas with an additional source of renewable energy.

Land Development Regulations Consistency

The following identifies how this application is consistent with the City of Alachua's Land Development Regulations (LDRs). Language from the LDR is provided in normal font, and the consistency statements are provided in **bold** font.

Article 2 – ADMINISTRATION
Sec. 2.4 Specific requirements for applications for development permits.

(D) *Special exception standards.* A special exception permit shall be approved only upon a finding that the applicant demonstrates all the following standards are met:

(1) *Complies with use specific regulations*… in Section 4.3:

See Section 4.3 Use Specific Regulations (pages 14-15). The proposed use meets all use specific regulations (Location, Setback, and Compatibility) per the City of Alachua LDRs.

(2) *Compatibility*. The proposed special exception is appropriate for its location and compatible with the character of the surrounding lands and the uses permitted in the zone district.

The proposed use is compatible with adjacent uses: Industrial General (IG) use to the south (Dollar General warehouse), and Agricultural (A) to the west, north, and east. Solar facilities are allowed by right in Agricultural land use per Florida Statutes SS. 163.3205(3).

A solar facility (classified as a "major utility" in the City's LDRs) requires 100' setbacks from property lines, "*to ensure it does not have an adverse impact on surrounding uses.*" Based on location, the currently permitted surrounding residential use on the southern parcel would require the following setbacks: 20' front, 15' back, and 7.5' side. The currently permitted surrounding agricultural use on the northern parcel would require: 30' front, 25' back, and 25' side setbacks. The 100' setbacks from surrounding external property lines greatly exceeds the site's existing setbacks, by at least a three times (3 X) to thirteen (13 X) multiplier, around the external perimeter.

All landscape buffers are provided within a 100' setback from the property line around the project perimeter, defined by a fence around the solar array and a 25' fire break/maintenance path. The north, west, and southwest buffers area are enhanced by a 15' wide area of preserved existing vegetation and additional site landscape/buffer material. The northeast and east buffers are enhanced by a 15' landscape buffer. The southern buffer is provided by a 5' buffer, and the outcrop is a 15' buffer. The Site Plan, Landscape Plan, and Fence Plan have been submitted with this application. Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001 is included with this application.

A small one-acre (1ac) enclave exists ±400' inside the farm field on the site's eastern boundary with CR 235A, which contains a ±2,100 sq. ft. family graveyard. Waco Properties provided the 1-acre enclave parcel, creating a protective zone and buffer from adjacent uses, which is twenty-one times (21 X) the graveyard's actual size. In addition, the graveyard is only accessed by pedestrian or four-wheel drive type vehicles. The graveyard is an area internal to the overall project site.

CHW field survey data illustrates at least 73' - 87' buffer presently exists in all directions around the actual graveyard. The applicant proposes a 25' buffer, adding 0.6 acres to the existing one-acre perpetual buffer, which substantively meets the spirit and intent of Sec. 4.3 Use Specific standards (I)(3)(b), requiring buffering *"…to ensure it (use) does not have an adverse impact on surrounding*

***use”*. As both the graveyard and solar facility are passive uses, there’s no inherent incompatibility justifying, essentially, a 100-ft buffer of the already existing 73’-87’ buffer on the graveyard site. The additional proposed 25-ft. buffer comports with policy requirement ensuring no adverse impacts.**

In addition, CHW staff contacted the graveyard’s heirs, who no longer can maintain the 2,100 sq. ft. area. The applicant is providing an access drive and vegetative maintenance to the heirs’ site. The applicant proposes a 25’ buffer be a site-specific Condition to the Special Exception application., which is permissible under Florida law.

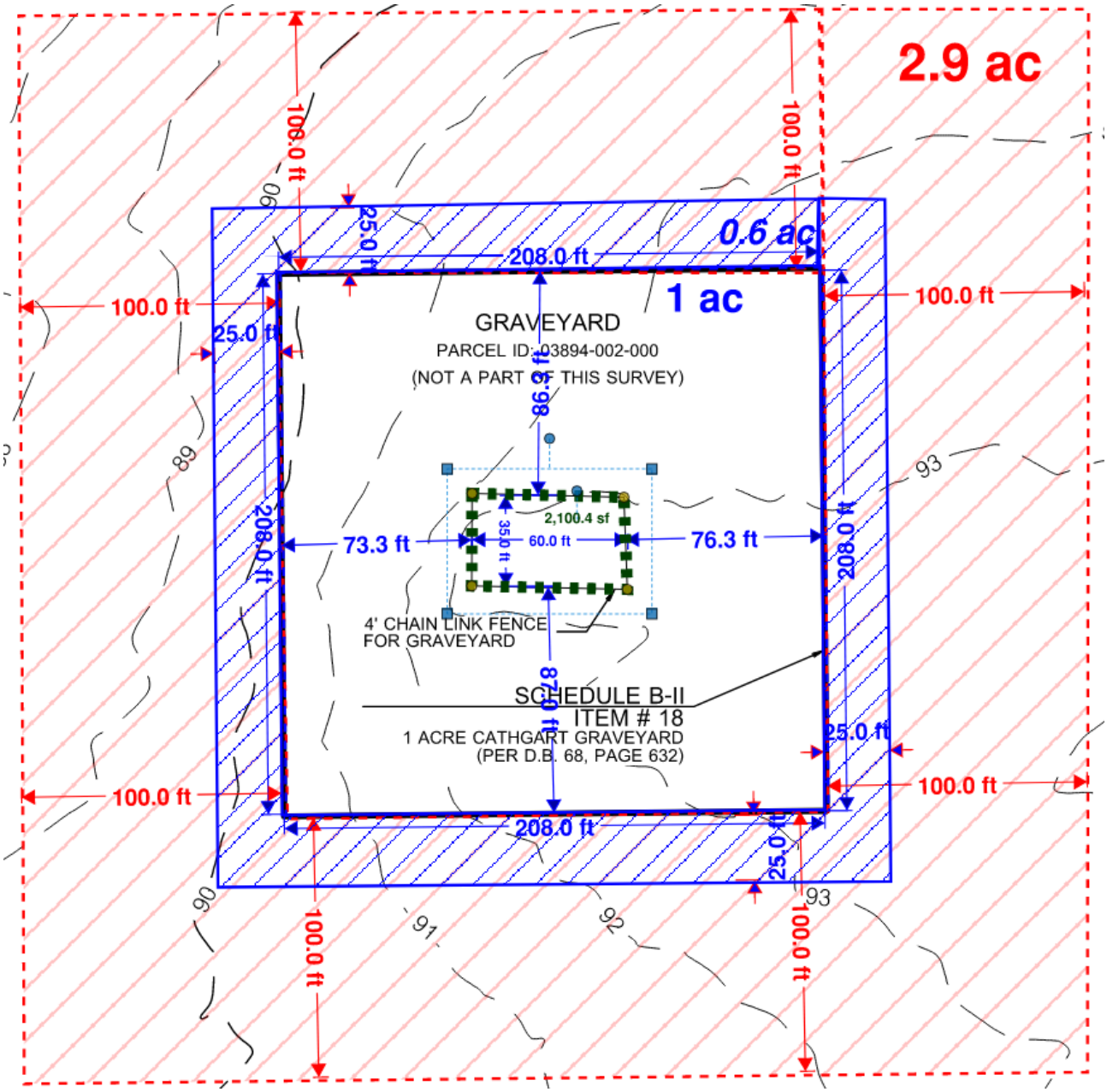

Figure 4: Cathcart Graveyard Buffering Exhibit

In addition, creating a four (4) acre carve-out around the ±2,100 graveyard area is disproportionate to the impacts, if any, of the passive solar facility on the small, already well-buffered graveyard. An oversized carve-out draws attention to the enclave on CR 235A, inviting trespass to the legacy family graveyard.

Upon review of the LDR interpretation request and associated exhibit, the LDR Administrator has found that "the requirements of Section 4.3.2(I)(3)(b) are met by providing a minimum 100' buffer from the existing 4' chain link fence for the graveyard," as shown in Figure 4. LDR Administrator Interpretation #PLDR24-0009 is included with this application.

(3) *Design minimizes adverse impact*. The design of the proposed special exception minimizes adverse effects, including visual impacts of the proposed use on adjacent lands; furthermore, the proposed special exception avoids significant adverse impact on surrounding lands regarding service, delivery, parking and loading, odors, noise, glare, and vibration, and does not create a nuisance.

- **The natural slope of the property will minimize views of the solar panels from CR 235A and properties to the east. The solar array will be entirely fenced using vinyl-coated black chain link fencing material, and the surrounding perimeter of the site will be buffered with existing dense vegetation and opaque landscape buffer material. *A Site Plan, Landscape Plan, and Fencing Plan showing these details have been submitted with this application.***

- **Refer to the Landscape Viewshed Exhibit, for a representation of the minimized visual impact from CR 235A and Peggy Road. The proposed special exception avoids significant adverse impacts with well-placed opaque screening and multiple layers of landscape material, including over one thousand existing trees and over one thousand proposed trees and shrubs.**

- **No parking/loading will be conducted. The proposed use is an unmanned solar energy collection facility, which will have a *di minimus* impact on infrastructure. *A Concurrency Report has been submitted with the application.***

- **Property access will be one driveway/gate off Peggy Road, directly across from Industrial General (IG) land use to the south (Dollar General warehouse). *A Site Plan showing the property access has been submitted with this application.***

- **No odors are anticipated with this solar energy collection and storage facility.**

- **Solar panels are designed to absorb light, not reflect it, and non-glare/anti-reflective surface materials are provided on the proposed panels to avoid any adverse impact on surrounding lands. Additional information on the project selected solar panels has been submitted with the Site Plan on sheet C2.31.**

- **Site sound levels are anticipated to be well below the limits typically required. The inverter boxes, located centrally on the ±321.49 acre project site, emit a low hum, similar to a window-mounted air conditioning unit. These boxes will be wrapped with "shields" to further reduce this sound. The central location of these inverters, with the additional shields, will significantly minimize any noticeable vibration or sound at the project site boundary. *A Site Sound Study by Seibein Acoustic has been conducted, and the report is submitted with this application.***

- **The proposed project will include emergency infrastructure/safety improvements. The developer has met with local emergency response personnel and a 25' wide access path between the perimeter fencing and existing trees to remain/landscape buffer is proposed to allow for ease of safety access.**

- **Short-term construction phase effects will be minimized through mud removal, dust and odor control, light management, flexible construction scheduling, and noise mitigation:**

    - **Site Access: All staging areas for construction equipment, vehicles, and materials for installation will be internal to the site. Refer to sheet C0.30 of the Site Plan for location information.**

    - **Dust Control: Dust and debris from construction activities must be minimized so as not to spread dust and debris off-site. This may include, but is not limited to, dust control achieved through water trucks, removal of mud/soil from vehicle tires before existing the site, and street cleaning. Dust control will take place during the duration of the construction process to limit impacts from construction traffic. (Chemical dust control is sometimes used on sites where water trucks are not sufficient; however, that is not anticipated for the Pleasant Solar site based on soil types and ground conditions.)**

    - **Staging Areas: Construction staging area on the eastern side of the site is indicated on the Site Plan. Typically, the staging area will include temporary fencing and yard lights for security purposes. One to two smaller satellite staging areas may be used as needed throughout the project site during construction period.**

    - **Schedule: Construction activities will only occur between the hours of 7:00 AM and 7:00 PM on Monday through Friday and between the hours of 9:00 AM and 7:00 PM on Saturday and Sunday.**

    - **Construction Timeline & Sequence: A 10-month construction timeline is anticipated. The typical construction sequence would be site preparation and any grading needed, roads and surfacing, racking and PV installation, electrical installations, and testing and commissioning.**

    - **Noise: Construction noise is anticipated to be equal to or less than any typical construction project approved by the City. A pile driver will insert the tracker foundations, and other construction equipment including backhoes, dozers, excavators, forklifts, trucks, trenchers, watering trucks, concrete trucks, compactors, etc. may be used as needed.**

    - **Lighting: Any lighting required for construction activities will be shielded and/or directed so as not to spill light to off-site areas or adjacent properties and rights-of-way. Lighting may only be used during the restricted hours of construction activities, except for minimal security lighting, which may be used outside of the restricted hours of construction only such that no disturbances or light spill to off-site areas or adjacent properties and right-of-way occur.**

    - **Odor: No strong odors are anticipated during the construction process. Typical construction site odors consist of gases, fumes, or diesel from construction**

equipment. However, all equipment meets EPA standards and heavy emissions are not allowable.

- **During the decommissioning process, the goal will be the safe and efficient removal of all solar facility components and reclamation of the site to conditions as close to pre-construction characteristics as possible, including the restoration of native vegetation. The same safety protocols and minimization of adverse impacts that are used during construction will also be used during decommissioning. Refer to the Decommissioning Plan for more details.**

(4) *Design minimizes environmental impact*. The proposed special exception minimizes environmental impacts and does not cause significant deterioration of light, water, and air resources, wildlife habitat, stormwater management, scenic resources, and other natural resources.

- **The project site has been used as an active silviculture operation with an approved permit for harvesting based on Best Management Practices (as on other Waco Properties). The property is a mix of pine and hardwood trees and open field. The majority of merchantable timber onsite includes water oak, laurel oak, slash pine, and cherry.**

- **Impacts to natural resources are minimized by preserving existing trees along the western boundary and portions of the north and south boundary. Existing trees within a 15 foot buffer of the property line will be preserved to support landscape buffering requirements according to the City of Alachua LDRs. *A Landscape Plan, showing existing trees to be preserved, has been submitted with the application. Approved Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001 is included with this application.***

- **More than 280 acres of landcover under the solar arrays will be seeded with a low-maintenance, pollinator-friendly seed mix to increase biodiversity and benefit pollinating invertebrates. These groundcovers/grasses will include a mix of species familiar to areas of the southeastern U.S. and Florida, including *Gallardia pulchella* (Indian Blanket) and *Eragrostis spectabilis* (Purple Love Grass).**

- **No critical habitats or wading bird rookeries are known to occur on or in the vicinity of the project site. Findings and recommendations of the Threatened & Endangered Species Habitat Assessment Report, conducted by TRC corporation, indicated that the project is not likely to adversely impact listed animal species. *The T&E Species Habitat Assessment Report is submitted with this application.***

- **The site is not a critical link to adjacent protected areas of ecological significance. In order to provide for some continued wildlife compatibility with the proposed solar energy collection use, the 100' setback area will be maintained as a wildlife corridor. Refer to the Memorandum provided by CHW Ecological Services, "Pleasant Solar Perimeter Fencing and Wildlife Corridor."**

- **An environmental analysis was conducted for the site. One wetland and three depressional areas were identified. A Site Plan (submitted with this application) has been designed to protect these areas with a 50' setback around the wetland area, and 100' setbacks around the depressional areas. *The geotechnical summary report by GSE has been submitted with this application. The Wetland Delineation Report and Sinkhole Survey have been submitted with this application.***

- **The site's natural stormwater drainage pattern will be maintained. *The geotechnical summary report by GSE has been submitted with this application.***

- **The solar panels are completely sealed and are designed to withstand a Category 3 hurricane. The project will also include emergency infrastructure improvements; a 25' wide access path between the solar array perimeter fencing and the area of existing trees to remain/landscape buffer is proposed to allow for safety access. A Site Plan and Landscape Plan have been submitted with this application. Additional information on the project selected solar panels has been submitted with the Site Plan on sheet C2.31.**

(5) *Roads and other public facilities*. There is adequate public facility capacity available to serve the proposed special exception, and the proposed special exception use is designed to ensure safe ingress and egress onto the site and safe road conditions around the site.

The project will have *de minimus* impacts on current traffic patterns or levels of service for transportation. There will be one vehicular driveway access to the site from Peggy Road. The proposed solar energy collection facility will be unmanned and monitored remotely, with maintenance of the site conducted once or twice a month. *A Site Plan showing access information and a Concurrency Report has been submitted with this application.*

(6) *Not injure neighboring land or property values*. The proposed special exception will not substantially injure the use of neighboring land for those uses that are permitted in the zone district or reduce land values.

***The Property Value Impact Study, submitted with this application,* demonstrates that a matched pair analysis (including 19 solar farms in Florida) shows no impact in home values due to abutting or adjoining a solar farm, as well as no impact to abutting or adjacent vacant residential or agricultural land.**

The study conclusion notes that criteria that would typically correlate with downward adjustments on property value, such as noise, odor, and traffic are not anticipated with the proposed use. In addition, the appraiser noted several positive benefits for neighboring landowners, including protection from future residential development or other more intrusive uses; reduced dust, odor, and chemicals from former farming operations; protection from light pollution at night; and minimal/nonexistent traffic.

During its operational years, the proposed solar collection and storage facility will have less of an impact than the permitted use. In addition, the project has a lifespan of approximately 20 to 40 years, after which time the site can be returned to pre-construction condition.

(7) *Drawings*. A site plan or preliminary plat has been prepared that demonstrates how the proposed special exception use complies with the other standards of this subsection.

A Site Plan has been submitted with this application. Coupled with the Site Plan, construction process, decommissioning plan, Landscape Plan, Fencing Plan, wildlife corridor narrative, sound study, environmental analysis, and geotechnical information, this Report addresses, in detail, how the proposed Special Exception adheres to the City of Alachua Comprehensive Plan and LDR requirements and standards. *LDR Administrator Interpretation #PDLR24-0009 and Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001 are also included with the supporting documentation.*

(8) *Complies with all other relevant laws and ordinances*. The proposed special exception use complies with all other relevant City laws and ordinances, State and Federal laws, and regulations.

This Report addresses how the proposed Special Exception adheres to the City of Alachua Comprehensive Plan and all LDRs. As such, the application also complies with State and Federal laws and regulations.

Article 3 – ZONE DISTRICTS
Sec. 3.3 Agricultural district.
3.3.2 *Use regulations and development standards.* The following table 3.3-1 Use Regulations and Development Standards in the A District, indicates the location of standards in these LDRs related to allowable uses, density limitation, dimensional standards, development standards, and subdivision standards for the A district:

Table 3.3-1. Use Regulations and Development Standards in the A District	
Type of Standard	Location in these LDRs
Allowable uses	Table 4.1-1
Density/intensity/dimensional standards	Table 5.1-3 **[DOES NOT APPLY DUE TO TYPE OF DEVELOPMENT PROPOSED]**
Development standards	Article 6
Subdivision standards	Article 7 **[DOES NOT APPLY DUE TO TYPE OF DEVELOPMENT PROPOSED]**

Solar energy collection facilities are permitted in Agricultural zoning by Special Exception per LDR Table 4.1-1.

Sec. 3.4 Residential districts.
3.4.3 Use regulations and development standards. The following table 3.4-1 Use Regulations and Development Standards in the Residential Districts, indicates the location of standards in these LDRs related to allowable uses, density limitation, dimensional standards, development standards, and subdivision standards for the residential zone districts.

Table 3.4-1. Use Regulations and Development Standards in the Residential Districts	
Type of Standard	Location in these LDRs
Allowable uses	Table 4.1-1
Density/intensity/dimensional standards	Table 5.1-3 **[DOES NOT APPLY DUE TO TYPE OF DEVELOPMENT PROPOSED]**
Development standards	Article 6
Subdivision standards	Article 7 **[DOES NOT APPLY DUE TO TYPE OF DEVELOPMENT PROPOSED]**

Sec. 4.1. – Table of uses.
4.1.1 (C) *Special exception uses*. The letter “S” in a cell indicates that a use category or use type is allowed as a special exception in the respective zone district, subject to compliance with the use-specific standards

set forth in the final column of the table and approval of a special exception permit in accordance with the procedures and standards of Section 2.4.4, Special exception permit.

Table 4.4-1. Table of Allowed Uses		
P = Permitted use S = Special Exception permit A = Allowed in PD districts Blank cell = Prohibited		
Use Category/Use Type	Residential Single-Family RSF-4	Use Specific Standards (Sec. 4.3)
Utilities		
Utility, major	S	4.3.2(I)(3)

4.3.2 (I)(3) *Utility, major*. An electrical power facility, substation, or transmission station shall comply with the following standards:

(a) *Location*. Be within reasonable proximity of the area to be served by the facility.

There is a point of connection available directly north of the proposed solar field, approximately 1,900 LF from the site.

(b) *Setback*. Be set back a minimum of 100 feet from property lines and buffered to ensure it does not have an adverse impact on surrounding areas.

The project meets the 100' perimeter setback requirement for a major utility use, which is greater than what is currently permitted on the site (from 7.5' to 30' setbacks). Fencing is provided around the solar array. Landscape buffers are provided per the City of Alachua LDRs and per the LDR Administrator Interpretation #PDLR24-0009 and Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001.

The north, west, and southwest buffers are also provided by a 15' wide area of preserved existing vegetation. The northeast and east buffers are provided by a 15' landscape buffer, and the cemetery enclave is provided by a 10' buffer. The southern buffer is provided by a 5' buffer and the southern outcrop is provided by a 15' buffer.

(c) *Compatibility*. Provide adequate setbacks, screening and buffering around the perimeter of the proposed use if it is deemed necessary to ensure land use compatibility with surrounding uses.

A "major utility" requires a 100' setback from the property line to ensure the use does not have an adverse impact on surrounding uses. The proposed solar energy collection facility provides a 100' setback from the property line to the perimeter fence of the solar array (with exception of the cemetery which is addressed in LDR Administrator Interpretation #PDLR24-0009). This 100' setback far greater than the currently permitted residential use on the southern parcel, which would require the following setbacks: 20' front, 15' back, and 7.5' side. It is also greater than the currently permitted agricultural use on the northern parcel, which would require: 30' front, 25' back, and 25' side setbacks.

All landscape buffers are provided within the 100' setback from the property line around the project perimeter, defined by a fence around the solar array and a 25' fire break/maintenance path. The north, west, and southwest buffers are provided by a 15' wide area of preserved existing vegetation and proposed landscape plantings. The northeast and east buffers are provided by a 15' landscape buffer. A 15' buffer is provided around the southern boundary outcrop and a 5' buffer along the

remaining southern perimeter. There is a 10' wide landscape buffer surrounding the small, family cemetery plot that is internal to the southern parcel.

The internal graveyard enclave, with its ±2,100 sq. ft. family burial area, is internal to the site and within a one acre (1 ac) permanent buffer area. An additional 25' buffer is provided to effectuate a 100' setback from the graveyard itself.

A Site Plan, Landscape Plan, and Fencing Plan showing these setbacks and buffers has been submitted with this application, as well as LDR Administrator Interpretation #PDLR24-0009 and Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001.

6.2. – *Tree protection and landscaping standards.*

6.2.1.(D) *Tree planting, relocation, replacement, credit, banking.*
(1) *New trees.* New trees shall be installed to replace healthy regulated trees removed pursuant to this section. Regulated trees shall be replaced on a one-for-one basis. Healthy heritage and champion trees removed as provided herein shall be replaced on an inch-for-inch basis. Replacement trees shall be graded Florida No. 1 or better.

Trees removed from the site that are more than 30" DBH will be replaced on an inch-for-inch basis. Regulated trees over 8" DBH will be replaced on a tree-for-tree basis. New trees proposed for the perimeter buffers of the site are required to meet Florida No. 1 standards. A Landscape Plan showing these calculations in detail has been submitted with this application.

(2)(a) During development…protective barricades shall be placed to define a protective area around existing trees to remain. Barriers shall be placed around all regulated trees at a minimum of two-thirds of the area of the dripline of the tree or stand of trees or at six feet from the trunk of the tree whichever is greater.

Protective tree barricades are shown on the Site Plan and will be placed around preserved trees, per City of Alachua LDRs. Development plans show that over a thousand existing trees are scheduled to remain on site. Additional unregulated trees (less than 8" DBH) that are within groupings of preserved trees, will also remain.

(4) *Tree replacement*.

(a) When the applicant is required to replace a regulated or heritage tree as a condition of approval for a tree removal, site plan, or subdivision plat, the applicant shall select site appropriate trees if it is feasible, the regulated, heritage, or champion tree may be related on the same parcel of land. When selecting replacement trees from the recommended tree list, the applicant shall choose from a similar species of category as the tree that is being removed.
(b) …up to 25 percent of the trees required to meet the site landscaping, parking lot landscaping, or perimeter buffer standards may be counted towards the requirements of Subsection 6.2.1(D)(1).
(c) At least 50 percent of the total required replacement trees shall be shade trees and at least 75 percent of the total required trees shall be site-specific trees appropriate for the site.

Site appropriate tree species, including Live Oak, Magnolia, and Chickasaw Plum, have been selected for the proposed use. The "Site Landscape Calculations" table is shown on sheet LS-1 of the Landscape Plan set and includes the quantities of canopy and understory trees proposed for the site.

6.2.2 Landscaping standards.
(1) *Site landscaping.*
(c) *Business uses other than those types found in the Industrial Services, Manufacturing and Production, and Warehouse and Freight Movement Use Categories.*

The "Site Landscape Calculations" table is shown on sheet LS-1 of the Landscape Plan set, and includes the quantities of canopy and understory trees proposed for the site. Additional information on Site Landscape Calculations is demonstrated in the approved Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001.

(3) Perimeter buffers.

Table 6.2-1. Perimeter Buffer Classifications			
Buffer Type and Configuration	Screening Requirement Within Buffer Yard		
	Option 1	Option 2	Option 3
A Basic This buffer area functions as a basic edge demarcating individual properties with a slight visual obstruction from the ground to a height of ten feet.	One canopy tree every 60 linear feet, plus one understory or ornamental tree per 60 linear feet.	One canopy tree every 60 linear feet, plus one hedge.	One four-foot high berm or fence.
D. Opaque This perimeter buffer functions as an opaque screen from the ground to a height of at least six feet. This type of buffer prevents visual contact between uses and creates a strong impression of total separation.	One canopy tree every 25 linear feet, one understory tree every 40 linear feet, plus one evergreen hedge	One canopy tree every 25 linear feet, one understory tree every 35 feet, plus one shrub hedge per five linear feet	One fence or wall, plus one canopy tree every 25 linear feet.

Table 6.2-2. Buffer Class Application											
Letter = Buffer type; Number = Required width in feet											
A = Type A; B = Type B; C = Type C; D = Type D; N = No buffer required											
Proposed Use		Adjacent Use									
		Residential Uses			Public and Institutional Uses			Commercial Uses			
		1	2	3	4	5	6	7	8	9	10
Residential uses											
6	Animal services, government facilities, health care facilities, public safety, transportation, **utilities**	**D 15**	C 15	B 15	D 10	B 7.5	A 7.5	B 7.5	A 7.5	A 5	**A 5**

The site plan provides 15' buffers of preserved existing trees on the north, west, and southwest areas of the perimeter. In addition, perimeter buffer requirements are met with a 15' Buffer Type D, Option 1, on the east, west, north, and southern outcrop. Along the southern perimeter, there is a 5' Buffer Type A, Option 2. Around the small family cemetery plot, there is a 10' Buffer Type D, which is further addressed in the approved Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001.

Sec. 6.3 – Fencing standards.

6.3.1(A)(2) Time of compliance. A plan shall be submitted with an application for a site and development plan, subdivision, planned development, or building permit, whichever occurs first, for any development that is required to comply with the standards of this section, demonstrating how the development processes to comply.

See Fencing Plan, sheet FP-1 of the Site Plan set, for fence location, typical fence detail, and gate details. Fence location and buffers are also addressed in the LDR Administrator Interpretation #PDLR24-0009 and Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001.

6.3.3 *Height*. All fences and walls shall conform to the following standards. In all cases, heights are measured from natural grade.

(A) Residential districts. Fences and walls, including retaining walls, shall not exceed a height of 4 feet in front yards and eight feet in side or rear yards. Any fence installed in a front yard shall be no greater than 50 percent opacity (that is, shall obscure no more than 50 percent of the view into the property). If a fence is constructed on top of a retaining wall or other wall, the combined height of the fence and wall shall not exceed a maximum height of 16 feet.

This use is allowed by Special Exception per the Land Development Code. This major utility use must include a 7' high fence to meet the national safety security requirements of Rule 110.31 "Enclosure for Electrical Installations" of the National Electrical Code (NEC):

110.31 Enclosure for Electrical Installations
Electrical Installations in a vault, room, or closet or in an area surrounded by a wall, screen, or fence, access to which is controlled by a lock(s) or other approved means, shall be considered to be accessible to qualified persons only. The type of enclosure used in a given case shall be designed and constructed according to the nature and degree of the hazard(s) associated with the installation.

For installations other than equipment as described in 110.31(D), a wall, screen, or fence shall be used to enclose an outdoor electrical installation to deter access by persons who are not qualified. A fence shall not be less than 2.1 m (7 ft.) in height or a combination of 1.8 m (6 ft.) or more of fence fabric and a 300 mm (1 ft) or more extension utilizing three or more strands of barbed wire or equivalent.

6.3.4 *Perimeter fences abutting public rights-of-way.* For purposes of this subsection, the term "perimeter fences and walls" means any fence or wall that is 36 inches or more in height and within 50 feet of the edge of the right-of-way of an arterial or collector road. Development that abuts arterial or collector roads is not generally required to have perimeter fences and walls between the primary structures and the abutting arterial or collector road, except where such fences or walls are required to meet the screening requirements of Section 6.2. Where a landowner/developer chooses to install perimeter fences and walls, they shall comply with the following standards:

(A) General standards.
(4) *Materials.* Perimeter fences and walls visible from the public right-of-way shall consist of the following materials: wood, stone, brick, wrought iron, or products designed to resemble these

materials. Galvanized chain link is prohibited. Black or green vinyl coated/PVC coated chain link fences are permitted except when visible from an arterial or collector road.

(5) Maximum length of unbroken wall plane. The maximum length of unbroken perimeter wall plane shall be 200 feet. A break in the plane of a fence or wall may be achieved by a break in the length of the wall or fence that is at least two feet long (measured parallel to the street) and at least two feet wide (measured perpendicular to the street).

The property line is ± 30 feet from the right-of-way and the fencing around the solar array is located 100 feet from the property line. Therefore, the proposed fencing is not considered perimeter fencing, since it is not located within 50 feet of the right-of-way. Materials standards in Sec. 6.3.4 (A)(4) do not apply since the fencing is not considered perimeter fencing. The unbroken wall plane requirements in Sec. 6.3.4 (A)(5) do not apply since the fencing is not considered perimeter fencing.

6.3.5. Prohibited fences.

(B) Chainlink fences prohibited. Chainlink fences are prohibited except when not visible from public right-of-way; when located on any land with a residential zoning designation; when located on the site of a minor utility as described in Section 10.2 of these LDRs; or when used as customary fencing for a tennis court, ball field, or other recreational facility. Black or green vinyl coated/PVC coated chainlink fences are permitted except when visible from an arterial or collector road.

Per Sec. 6.3.5., The use of chain link fencing is prohibited except on land with residential zoning designation. This property is zoned RSF-4. In addition, the use of chain link fencing is prohibited except on the site of a minor utility. While this project is a major utility, the utility use remains the same.

"Black or green vinyl coated/PVC coated chain link fences *are permitted* except when visible from an arterial or collector road." The fencing selected for this solar energy collection facility is proposed to be located ± 130 feet from the right-of-way on CR 235A and Peggy Road (collector roads) and will be screened from visibility by a continuous shrub hedge and hundreds of required landscape buffer and site landscaping trees. Refer to the Landscape Plan, approved Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001, and the Landscape Viewshed Exhibit for additional detail.

The site perimeter is more than 18,600 linear feet. Fence material selection is important for security, cost, maintenance, and aesthetics of the project. Black vinyl-coated chain link fencing was selected to provide a perimeter boundary around the solar array with a neat, well-kept appearance for the lifespan of the project.

The proposed fence height and material will not have an adverse effect on the security, functioning, appearance, or value of adjacent properties or the surrounding area as a whole. In addition, this project has a lifespan of 20 to 40 years, and after that time the site can be returned to pre-construction condition.

Sec. 6.4. – Exterior lighting standards.

6.4.3 General standards.

(A) Hours of illumination. Lands on which public or institutional uses or business uses are located (see Table 4.1-1, Table of Allowed Uses) that are adjacent to residential development or vacant land in residential districts, shall turn off all lighting during nonoperating hours, except lighting that is necessary for security, safety, identification purposes. The public and institutional uses and business uses may activate on-site motion sensor devices for emergency purposes.

There will be no lighting internal to the site and no night-time illumination of the site. The facility will be remotely monitored for energy collection and storage and accessed for maintenance once or twice monthly during daylight hours. (Substation infrastructure typically requires the most extensive lighting, and that infrastructure is not part of this site plan application.)

(B) Direction of lighting.
(1) No light source directed outward. No light sources shall be directed outward toward property boundaries or adjacent rights-of-way.

There will be no daytime or night-time illumination of the site. (Substation infrastructure typically requires the most extensive lighting, and that infrastructure is not part of this site plan application.)

Sec. 6.5 – Signage.
6.5.2 Applicability.
(A) Sign permit required. It shall be unlawful for any person to post, display, erect, or structurally modify a sign or advertising structure in the City without first obtaining a sign permit in accordance with Section 2.4.11, Sign permit, unless a general sign permit is granted in accordance with Section 2.4.11(C), General sign permit granted.

(B) Compliance with ordinances and codes. In addition to the provisions of this section, signs or other advertising structures shall be constructed and maintained in accordance with… City, State and Federal ordinances and codes.

As shown on the Fencing Plan submitted with this application, there will be one Solar Identification Sign at the one gate access to the project site. In addition, there will be Solar Safety Signs located every 1,000 feet around the perimeter of the site. These signs will be permitted according to City of Alachua LDR standards, if required.

Sec.6.6. – Infill Standards
6.6.3 Residential Protection Standards

(A) General conditions. As a condition of the approval of any nonresidential development located within 500 feet of any residential district of adjacent to an existing residential single-family or two-family development, conditions may be imposed to reduce or minimize any potential adverse impacts on the residential land or development. Such conditions may include but are not limited to the following:

(1) *Hours of operation and deliveries*. Hours of operation and deliveries.

The facility will be unmanned and monitored remotely. There will be no hours of operation or deliveries. Site maintenance will be conducted once or twice a month.

(2) *Activities that generate potential adverse impacts.* Location on a site of activities that generate potential adverse impacts on adjacent uses such as noise or glare.

Solar panels are designed to absorb light, not reflect it. Bifacial modules collect light from both the front and back sides of the panels and have solar cells on both sides. Unlike monofacial panels, bifacial panels allow some light to pass through to be captured by the back panel. Anti-reflective materials are used on both sides of the panels to ensure that the maximum amount of light is absorbed. This project proposes single axis trackers which allow the panels to follow the path of

the sun, like sunflowers turning toward the angle of the light. This mechanism serves to collect and absorb a maximum amount of sunlight to yield the highest production.

Site sound levels are anticipated to be well below the limits typically required. *A Site Sound Study by Seibein Acoustic has been conducted, and the report is submitted with this application.*

(3) *Placement of trash receptacles*. Placement of trash receptacles.

There will be no trash receptacles on site.

(4) *Loading and delivery area*. Location of loading and delivery areas.

There will be no loading or delivery areas.

(5) *Lighting.* Lighting location, intensity, and hours of illumination.

There will be no lighting on site.

(6) *Placement of outdoor machines and activities*. Placement and illumination of outdoor vending machines, telephone, or similar outdoor services and activities.

There will be no outdoor vending machines, telephones, or other outdoor services and activities.

(7) *Additional landscaping and buffering to mitigate adverse impacts.* Additional landscaping and buffering to mitigate adverse impacts.

The site perimeter within the 100' setback will be heavily buffered with a combination of existing wooded areas and over one thousand proposed landscape trees and shrubs. *A Landscape Plan, showing existing trees to be preserved and all new landscaping proposed for the site, has been submitted with the application. Additional information on landscaping and buffers is provided in the LDR Administrator Interpretation #PDLR24-0009 and Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001.*

(8) *Height restrictions.* Height restrictions to preserve light and privacy and views of significant features from public property and rights-of-way.

The solar panels will be screened from view by the 7' high fence located ± 130 feet from the property line, heavy landscaping with proposed trees, and a continuous line of shrubs along the collector streets. A Landscape Plan and an exhibit showing the viewshed from CR 235A has been submitted with this application. *Additional information on landscaping and buffers is provided in the LDR Administrator Interpretation #PDLR24-0009 and Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001.*

(9) *Preservation of natural lighting and solar access.* Preservation of natural lighting and solar access.

The purpose of the solar collection facility is to preserve natural lighting and solar access.

(10) *Ventilation and control of odors and fumes*. Ventilation and control of odors and fumes.

There are no odors anticipated with this solar energy collection facility.

(11) *Paving and parking areas.* Paving to control dust.

Stabilized access roads of crushed lime rock or gravel will allow access to the solar arrays.

(12) *Placement or configuration of site design.* Placement or configuration of site design.

Site has been designed to make the best use of the natural topography of the site, minimizing grading and maintaining the existing sheet flow for stormwater. This solar energy project meets the "major utility" requirement for a 100' setback from perimeter property lines. The solar arrays will be entirely fenced and the perimeter of the site will be heavily landscaped for additional screening. *Additional information on landscaping and buffers is provided in the LDR Administrator Interpretation #PDLR24-0009 and Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001.*

Sec. 6.7. – Open space standards.
6.7.3 General standards.
(A) Amounts of open space required. Development shall provide at least the minimum amounts of open space set-aside in the following Table 6.7-1, Open Space Set-Aside:

Table 6.7-1. Open Space Set-Aside	
Type of Land Use	Minimum Percent of Gross Site Area Designated as Open Space
Public and Institutional	10

(B) *Calculations*. For purposes of complying with this section:
(1) *Unique features.* Natural features (riparian areas, wetlands, native upland ecosystems, wildlife corridors, etc.) natural hazard areas, (floodplains, karst areas, etc.), water features (drainage canals, ditches, lakes, natural ponds, etc.), and wildlife habitat areas for threatened and endangered species shall be counted towards the open space set-aside.

(2) *Required landscaping and tree protection zones*. Areas occupied by required landscaping and tree protection zones shall be counted towards the open space set-aside.

(5) Stormwater management and similar systems. Land occupied by stormwater management systems, including retention and detention ponds, sand filters, and other retention devices shall be counted toward the open space set-aside.

The ±11% open space set-aside exceeds the 10% requirement. The area designated for open space incorporates the existing depressional areas, the existing stormwater retention area, and the required landscape perimeter buffers, designed per City of Alachua LDRs. A Site Plan and Landscape Plan showing these calculations has been submitted with this application.

6.7.4 Design standards. Land set aside as open space shall comply with the following standards:
(C) Prioritization of features for open space set-aside. To the maximum extent practicable, open space set-asides should be located and organized to include, protect, or enhance as many of the following features as possible:

(1) *Natural features.* Natural features such as wetlands, riparian areas, mature trees (six-inch caliper or greater), native upland ecosystems and wildlife corridors.

(2) *Water features.* Water features such as drainages, canals, ditches, lakes, natural ponds and retention and detention ponds.

(3) *Natural hazard areas.* Natural or geologic hazard areas or soil conditions, such as karst areas, other potentially unstable soils or floodplains.

(4) *Habitat for endangered or threatened species.* Habitat for threatened or endangered species listed, or proposed for listing, by either the Federal or State government.

(5) *Multiple compatible open space uses.* Areas that accommodate multiple compatible open space uses rather than a single use.

The ±11% open space set-aside exceeds the 10% requirement. The area designated for open space incorporates the existing depressional areas, the existing stormwater retention area, and existing areas of natural vegetation preserved in perimeter buffers. A Site Plan and Landscape Plan showing these calculations has been submitted with this application.

Sec. 6.9 Environmental protection standards.
(D) *Stormwater management standards.*
(2) *Natural drainage system.* To the extent practicable, all development shall conform to the natural contours of the land. In addition, natural and preexisting manmade drainageways shall remain undisturbed.

There will be minimal grading onsite. The natural topography of the property lends itself well to the development intent. The natural drainage pattern of the site will be maintained. *The geotechnical summary report by GSE has been submitted with this application. A site plan has been submitted with this application showing the wetland boundaries and buffers.*

Conclusion

Special exceptions are issued in the City of Alachua, Florida, for uses that are generally compatible with other uses in a zoning district; they require individual review of the location, design, configuration, density, intensity, and public facility impact, to determine the appropriateness and compatibility with adjacent uses. The design of the solar facility minimizes adverse impacts to the surrounding properties: no parking/loading will occur on the proposed solar facility, no odors are anticipated, non-glare/light-absorbing solar panels will be installed, and site sound levels are anticipated to be well below typically required limits.

This Special Exception minimizes environmental impacts and does not cause deterioration of natural resources: the natural drainage pattern will be maintained, no critical habitats are known to occur, and wetland/depressional areas are protected with setback requirements. Over one thousand (>1,000) existing regulated trees will be preserved, and more than one thousand (>1,000) new trees and shrubs will be planted. While the site is not considered a critical link to adjacent lands of ecological significance, ±40 acres surrounding the perimeter of the solar array will be accessible as a wildlife corridor.

The proposed solar energy collection and storage facility is consistent with the City of Alachua's Comprehensive Plan Future Land Use Element, Community Facilities Element, and Conservation and Open Space Element. Land uses surrounding the project are Agriculture and Industrial. The proposed use demonstrates consistency with surrounding uses by meeting minimum landscape buffer and setback requirements and by preserving open space, exceeding what is currently required under the existing Future Land Use designation. Proposed site landscaping and buffers are addressed in the approved Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001.

The proposed use is compatible with surrounding uses and is an appropriate use for the site. The existing land use and zoning of the larger parcel on the project site would currently allow an intensity and density much higher than a solar energy collection and storage facility. Property Value Impact Analysis demonstrates no impact to abutting or adjoining solar farms or vacant residential or agricultural land. This unmanned, remotely monitored, renewable energy project will have *de minimus* impacts on current traffic patterns, and no impacts on infrastructure, sanitary sewer, solid waste, or public schools.

Minimal earthwork/grading is needed, and the site will maintain its natural drainage pattern for stormwater. The facility will provide 100' setbacks from adjacent external surrounding property lines, as well as perimeter fencing around the solar array, and extensive buffer/site landscape plantings. The site can be returned to pre-construction condition at the end of the project lifespan, a minimum of 20 years, with an option up to 40 years.

A condition of approval is being requested to allow the necessary security fencing required by the National Electrical Code (NEC) around the solar array as outlined in this justification report. The applicant has also proposed a site-specific condition for a 25' buffer around the site's internal legacy graveyard's existing 1-acre buffer area. This has been approved in the LDR Administrator Interpretation #PDLR24-0009*.* Both conditions are in accordance with the enabling language in Sec. 2.4.4 (A).

The foregoing report and supporting documentation addresses, in detail, how the proposed solar energy collection and storage facility is consistent with the City of Alachua Comprehensive Plan and complies with use specific regulations for a "major utility" and the special exception standards per the City of Alachua Land Development Regulations. The proposed use is shown to be compatible with other uses in the area and meets the criteria for a Special Exception Permit.

Kirkland
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June 18, 2022

Mr. Andrew Cerrato
Solariant Capital, LLC
301 North Lake Avenue, Suite 950
Pasadena, CA 91101

RE: Pleasant Solar Project – Property Value Impact Study

Mr. Cerrato

At your request, I have considered the impact of a solar farm proposed to be constructed on a portion of a 320-acre tract located off NW 138th Avenue, Alachua, Alachua County, Florida. Specifically, I have been asked to give my professional opinion on whether the proposed solar farm will have any impact on adjoining property value and whether "the location and character of the use, if developed according to the plan as submitted and approved, will be in harmony with the area in which it is to be located."

To form an opinion on these issues, I have researched and visited existing and proposed solar farms in Florida as well as other states, researched articles through the Appraisal Institute and other studies, and discussed the likely impact with other real estate professionals. I have not been asked to assign any value to any specific property.

This letter is a limited report of a real property appraisal consulting assignment and subject to the limiting conditions attached to this letter. My client is Solariant Capital, LLC, represented to me by Mr. Andrew Cerrato. My findings support the Application. The effective date of this consultation is June 18, 2022.

Conclusion

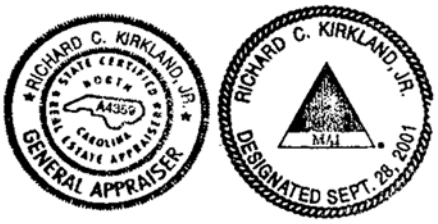
The matched pair analysis shows no impact in home values due to abutting or adjoining a solar farm as well as no impact to abutting or adjacent vacant residential or agricultural land. The criteria that typically correlates with downward adjustments on property values such as noise, odor, and traffic all indicate that a solar farm is a compatible use for rural/residential transition areas and that it would function in a harmonious manner with this area.

Very similar solar farms in very similar areas have been found by hundreds of towns and counties not to have a substantial injury to abutting or adjoining properties, and many of those findings of no impact have been upheld by appellate courts. Similar solar farms have been approved adjoining agricultural uses, schools, churches, and residential developments.

Based on the data and analysis in this report, it is my professional opinion that the solar farm proposed at the subject property will have no impact on the value of adjoining or abutting property and that the proposed use is in harmony with the area in which it is located. I note that some of the positive implications of a solar farm that have been expressed by people living next to solar farms include protection from future development of residential developments or other more intrusive uses, reduced dust, odor and chemicals from former farming operations, protection from light pollution at night, it's quiet, and there is minimal traffic.

If you have any further questions please call me any time.

Sincerely,



Richard C. Kirkland, Jr., MAI
NC Certified General Appraiser #A4359
FL Certified General Appraiser # RZ3950

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I. Proposed Project and Adjoining Uses

Proposed Use Description

This 74.9 MW solar farm proposed to be constructed on a portion of a 320-acre tract located off NW 138th Avenue, Alachua, Alachua County, Florida.

Adjoining Properties

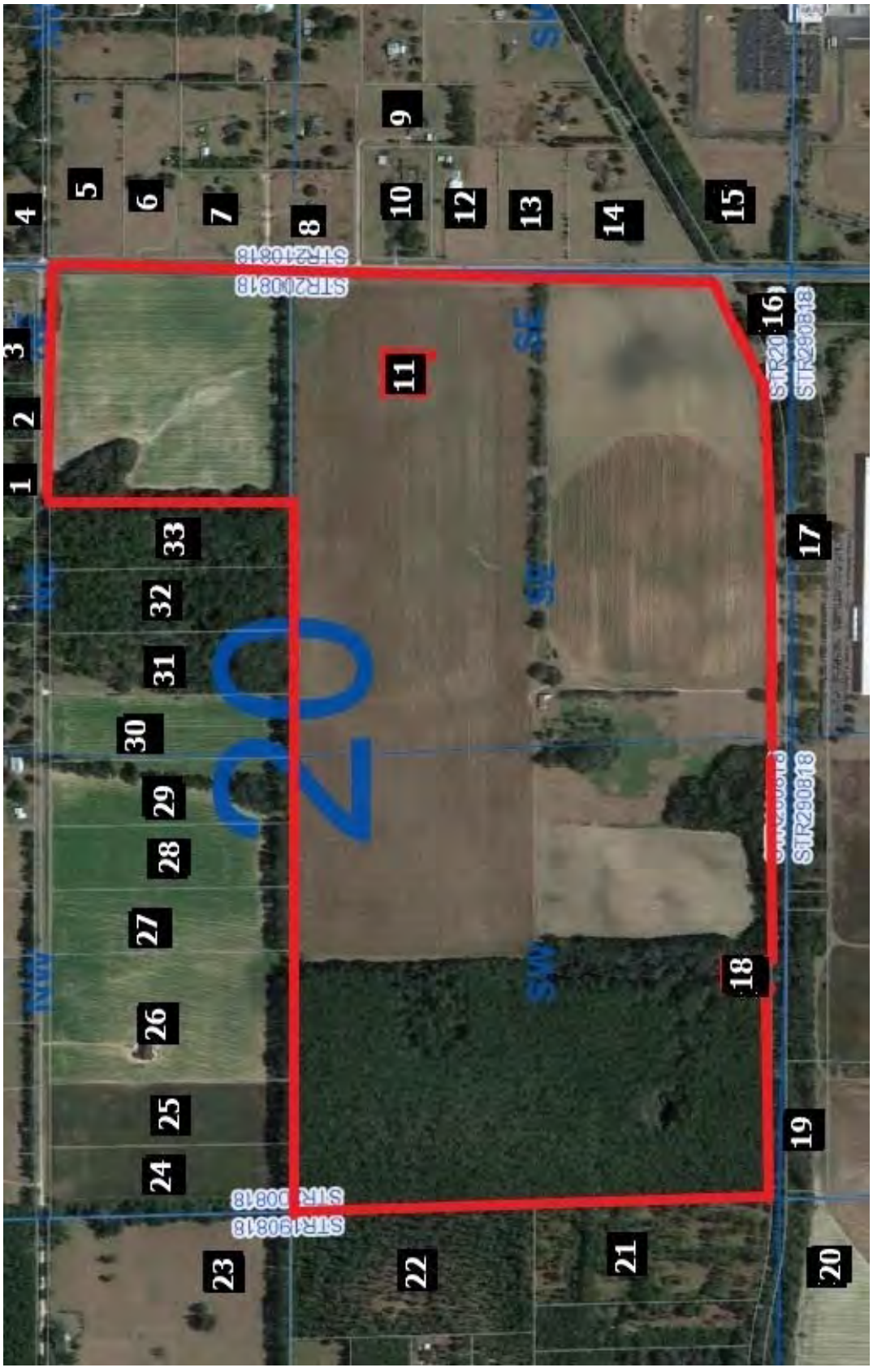
I have considered adjoining uses and included a map to identify each parcel's location. The closest adjoining home will be at least 200 feet from the closest solar panel and the average distance to adjoining homes will be 700 feet to the nearest solar panel.

The breakdown of those uses by acreage and number of parcels is summarized below.

Adjoining Use Breakdown

	Acreage	**Parcels**
Residential	22.43%	72.73%
Substation	0.57%	3.03%
Agricultural	43.41%	9.09%
Industrial	28.46%	6.06%
Agri/Res	5.01%	6.06%
Cemetary	0.11%	3.03%
Total	**100.00%**	**100.00%**

Overview Map

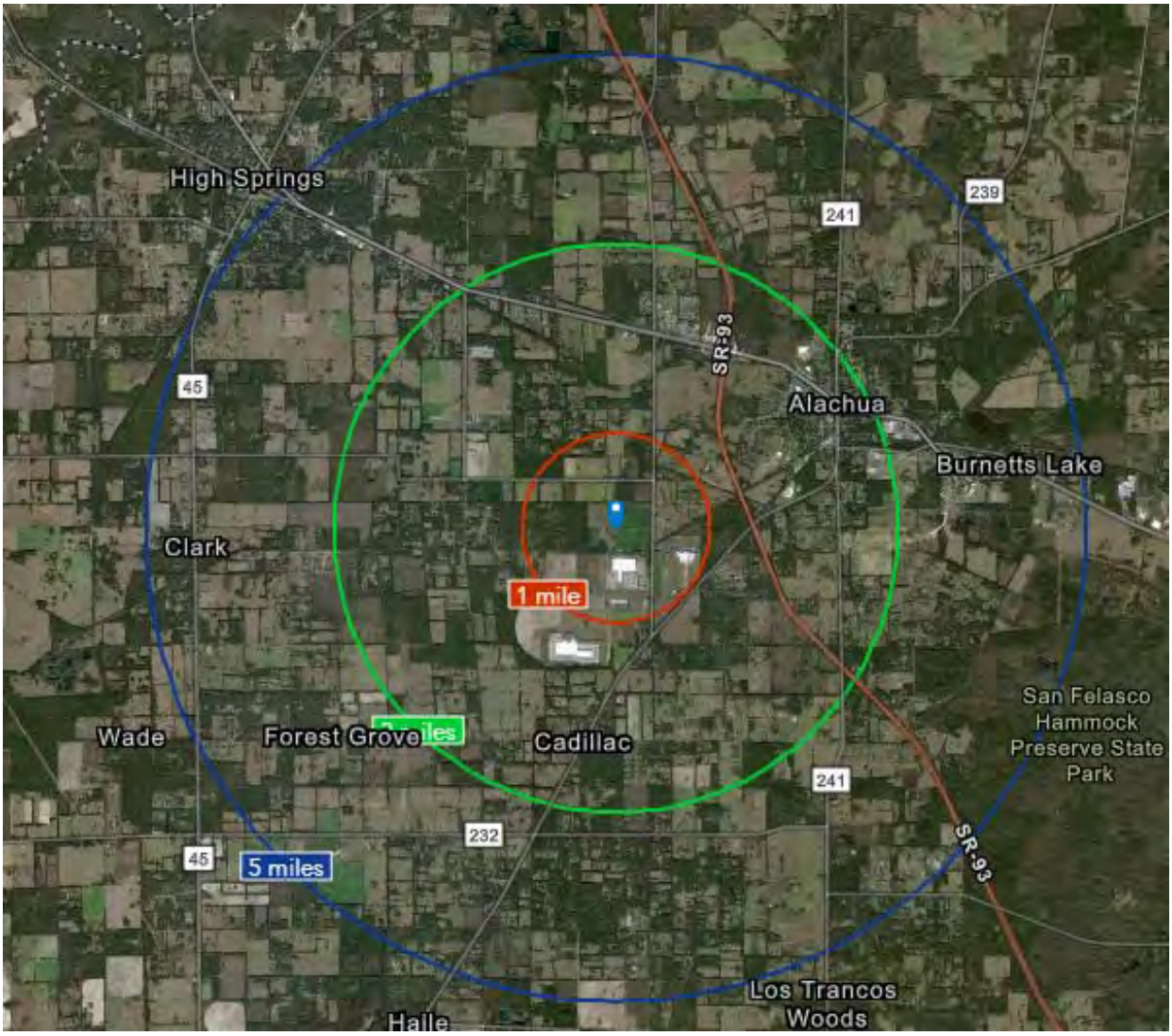


Surrounding Uses

#	MAP ID	Owner	GIS Data Acres	Present Use	Adjoin Acres	Adjoin Parcels	Distance (ft) Home/Panel
1	03896-003-001	Emerson	12.30	Residential	1.41%	3.03%	1,070
2	03896-013-000	Smith	4.44	Residential	0.51%	3.03%	N/A
3	03897-000-000	Clay Electric	4.98	Substation	0.57%	3.03%	N/A
4	03864-025-001	Van Den	15.25	Residential	1.75%	3.03%	1,410
5	03903-030-001	Parrish	8.52	Residential	0.98%	3.03%	N/A
6	03903-030-002	Rizzo III	6.48	Residential	0.74%	3.03%	465
7	03903-030-003	Price	5.00	Residential	0.57%	3.03%	355
8	03903-030-006	Dono	5.00	Residential	0.57%	3.03%	345
9	03903-001-006	Brown	5.63	Residential	0.65%	3.03%	795
10	03903-001-004	Ariff	5.01	Residential	0.57%	3.03%	495
11	03894-002-000	Cemetary	1.00	Cemetary	0.11%	3.03%	N/A
12	03903-001-003	Bogle	5.01	Residential	0.57%	3.03%	455
13	03903-001-005	Nation	5.01	Residential	0.57%	3.03%	N/A
14	03903-001-000	Nation	7.24	Residential	0.83%	3.03%	525
15	03905-002-001	Baugh Se	80.71	Agricultural	9.26%	3.03%	N/A
16	03983-002-000	Dolgencorp	204.08	Industrial	23.41%	3.03%	N/A
17	03985-001-000	Dolgencorp	44.00	Industrial	5.05%	3.03%	N/A
18	03893-001-000	Blake	0.77	Residential	0.09%	3.03%	200
19	03985-002-000	Waco	3.50	Residential	0.40%	3.03%	N/A
20	03986-000-000	Waco	277.69	Agricultural	31.86%	3.03%	N/A
21	03886-002-000	Shivers	15.50	Residential	1.78%	3.03%	N/A
22	03892-002-000	Graham	20.00	Agricultural	2.29%	3.03%	N/A
23	03884-000-000	Horton	23.67	Agri/Res	2.72%	3.03%	1,480
24	03900-010-011	Batte	10.87	Residential	1.25%	3.03%	N/A
25	03900-010-010	Delgado	10.00	Residential	1.15%	3.03%	N/A
26	03900-010-009	Delgado	20.00	Agri/Res	2.29%	3.03%	810
27	03900-010-007	Harrington	10.00	Residential	1.15%	3.03%	N/A
28	03900-010-006	Harrington	10.00	Residential	1.15%	3.03%	N/A
29	03900-010-005	Purvis	10.00	Residential	1.15%	3.03%	N/A
30	03900-010-004	Purvis	10.00	Residential	1.15%	3.03%	N/A
31	03900-010-002	Meisch	10.00	Residential	1.15%	3.03%	N/A
32	03900-010-002	Meisch	9.95	Residential	1.14%	3.03%	N/A
33	03900-010-001	Oswalt	10.00	Residential	1.15%	3.03%	N/A
		Total	**871.610**		**100.00%**	**100.00%**	700

Demographics Around Subject Property

I have pulled demographic data around a 1-mile, 3-mile and 5-mile radius from the middle of the project as shown on the following pages.



Housing Profile

Alachua, Florida
Ring: 1 mile radius

Prepared by Esri
Latitude: 29.77447
Longitude: -82.53333

Population		Households	
2010 Total Population	233	2021 Median Household Income	$58,709
2021 Total Population	241	2026 Median Household Income	$72,274
2026 Total Population	269	2021-2026 Annual Rate	4.25%
2021-2026 Annual Rate	2.22%		

	Census 2010		2021		2026	
Housing Units by Occupancy Status and Tenure	Number	Percent	Number	Percent	Number	Percent
Total Housing Units	99	100.0%	103	100.0%	114	100.0%
Occupied	94	94.9%	97	94.2%	107	93.9%
Owner	60	60.6%	66	64.1%	74	64.9%
Renter	34	34.3%	31	30.1%	33	28.9%
Vacant	5	5.1%	6	5.8%	6	5.3%

	2021		2026	
Owner Occupied Housing Units by Value	Number	Percent	Number	Percent
Total	64	100.0%	74	100.0%
<$50,000	0	0.0%	0	0.0%
$50,000-$99,999	3	4.7%	1	1.4%
$100,000-$149,999	6	9.4%	3	4.1%
$150,000-$199,999	11	17.2%	8	10.8%
$200,000-$249,999	10	15.6%	11	14.9%
$250,000-$299,999	10	15.6%	13	17.6%
$300,000-$399,999	8	12.5%	11	14.9%
$400,000-$499,999	11	17.2%	19	25.7%
$500,000-$749,999	5	7.8%	8	10.8%
$750,000-$999,999	0	0.0%	0	0.0%
$1,000,000-$1,499,999	0	0.0%	0	0.0%
$1,500,000-$1,999,999	0	0.0%	0	0.0%
$2,000,000+	0	0.0%	0	0.0%
Median Value	$260,000		$309,091	
Average Value	$293,359		$341,892	

Census 2010 Housing Units	Number	Percent
Total	99	100.0%
In Urbanized Areas	0	0.0%
In Urban Clusters	54	54.5%
Rural Housing Units	45	45.5%

Data Note: Persons of Hispanic Origin may be of any race.
Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

June 18, 2022

©2022 Esri

Housing Profile

Alachua, Florida
Ring: 3 mile radius

Prepared by Esri
Latitude: 29.77447
Longitude: -82.53333

Population		Households	
2010 Total Population	5,533	2021 Median Household Income	$64,006
2021 Total Population	6,759	2026 Median Household Income	$76,666
2026 Total Population	7,615	2021-2026 Annual Rate	3.68%
2021-2026 Annual Rate	2.41%		

	Census 2010		2021		2026	
Housing Units by Occupancy Status and Tenure	Number	Percent	Number	Percent	Number	Percent
Total Housing Units	2,467	100.0%	3,001	100.0%	3,339	100.0%
Occupied	2,169	87.9%	2,657	88.5%	2,991	89.6%
Owner	1,520	61.6%	1,947	64.9%	2,247	67.3%
Renter	649	26.3%	710	23.7%	744	22.3%
Vacant	298	12.1%	344	11.5%	349	10.5%

	2021		2026	
Owner Occupied Housing Units by Value	Number	Percent	Number	Percent
Total	1,948	100.0%	2,246	100.0%
<$50,000	15	0.8%	4	0.2%
$50,000-$99,999	74	3.8%	24	1.1%
$100,000-$149,999	140	7.2%	68	3.0%
$150,000-$199,999	275	14.1%	200	8.9%
$200,000-$249,999	353	18.1%	378	16.8%
$250,000-$299,999	424	21.8%	543	24.2%
$300,000-$399,999	259	13.3%	377	16.8%
$400,000-$499,999	233	12.0%	396	17.6%
$500,000-$749,999	131	6.7%	202	9.0%
$750,000-$999,999	22	1.1%	29	1.3%
$1,000,000-$1,499,999	21	1.1%	24	1.1%
$1,500,000-$1,999,999	0	0.0%	0	0.0%
$2,000,000+	1	0.1%	1	0.0%
Median Value	$263,797		$291,344	
Average Value	$304,261		$344,524	

Census 2010 Housing Units	Number	Percent
Total	2,467	100.0%
In Urbanized Areas	7	0.3%
In Urban Clusters	1,127	45.7%
Rural Housing Units	1,333	54.0%

Data Note: Persons of Hispanic Origin may be of any race.
Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

June 18, 2022

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Housing Profile

Alachua, Florida
Ring: 5 mile radius

Prepared by Esri
Latitude: 29.77447
Longitude: -82.53333

Population		Households	
2010 Total Population	13,024	2021 Median Household Income	$61,483
2021 Total Population	15,141	2026 Median Household Income	$75,759
2026 Total Population	17,007	2021-2026 Annual Rate	4.26%
2021-2026 Annual Rate	2.35%		

	Census 2010		2021		2026	
Housing Units by Occupancy Status and Tenure	Number	Percent	Number	Percent	Number	Percent
Total Housing Units	5,536	100.0%	6,413	100.0%	7,130	100.0%
Occupied	5,015	90.6%	5,842	91.1%	6,558	92.0%
Owner	3,833	69.2%	4,594	71.6%	5,274	74.0%
Renter	1,182	21.4%	1,248	19.5%	1,284	18.0%
Vacant	521	9.4%	571	8.9%	572	8.0%

	2021		2026	
Owner Occupied Housing Units by Value	Number	Percent	Number	Percent
Total	4,594	100.0%	5,274	100.0%
<$50,000	56	1.2%	17	0.3%
$50,000-$99,999	212	4.6%	72	1.4%
$100,000-$149,999	311	6.8%	155	2.9%
$150,000-$199,999	631	13.7%	471	8.9%
$200,000-$249,999	833	18.1%	905	17.2%
$250,000-$299,999	1,002	21.8%	1,273	24.1%
$300,000-$399,999	679	14.8%	1,027	19.5%
$400,000-$499,999	425	9.3%	730	13.8%
$500,000-$749,999	289	6.3%	425	8.1%
$750,000-$999,999	76	1.7%	99	1.9%
$1,000,000-$1,499,999	77	1.7%	96	1.8%
$1,500,000-$1,999,999	0	0.0%	0	0.0%
$2,000,000+	3	0.1%	4	0.1%
Median Value	$262,675		$289,945	
Average Value	$306,617		$347,085	

Census 2010 Housing Units	Number	Percent
Total	5,536	100.0%
In Urbanized Areas	135	2.4%
In Urban Clusters	2,203	39.8%
Rural Housing Units	3,198	57.8%

Data Note: Persons of Hispanic Origin may be of any race.
Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

June 18, 2022

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II. Methodology and Discussion of Issues

Standards and Methodology

I conducted this analysis using the standards and practices established by the Appraisal Institute and that conform to the Uniform Standards of Professional Appraisal Practice. The analyses and methodologies contained in this report are accepted by all major lending institutions, and they are used in Florida and across the country as the industry standard by certified appraisers conducting appraisals, market analyses, or impact studies and are considered adequate to form an opinion of the impact of a land use on neighboring properties. These standards and practices have also been accepted by the courts at the trial and appellate levels and by federal courts throughout the country as adequate to reach conclusions about the likely impact a use will have on adjoining or abutting properties.

The aforementioned standards compare property uses in the same market and generally within the same calendar year so that fluctuating markets do not alter study results. Although these standards do not require a linear study that examines adjoining property values before and after a new use (e.g. a solar farm) is developed, some of these studies do in fact employ this type of analysis. Comparative studies, as used in this report, are considered an industry standard.

The type of analysis employed is a Matched Pair Analysis or Paired Sales Analysis. This methodology is outlined in **The Appraisal of Real Estate**, Twelfth Edition by the Appraisal Institute pages 438-439. It is further detailed in **Real Estate Damages**, Third Edition, pages 33-36 by Randall Bell PhD, MAI. Paired sales analysis is used to support adjustments in appraisal work for factors ranging from the impact of having a garage, golf course view, or additional bedrooms. It is an appropriate methodology for addressing the question of impact of an adjoining solar farm. The paired sales analysis is based on the theory that when two properties are in all other respects equivalent, a single difference can be measured to indicate the difference in price between them. Dr. Bell describes it as comparing a test area to control areas. In the example provided by Dr. Bell he shows five paired sales in the test area compared to 1 to 3 sales in the control areas to determine a difference. I have used 3 sales in the control areas in my analysis for each sale developed into a matched pair.

Determining what is an External Obsolescence

An external obsolescence is a use of property that, because of its characteristics, might have a negative impact on the value of adjacent or nearby properties because of identifiable impacts. Determining whether a use would be considered an external obsolescence requires a study that isolates that use, eliminates any other causing factors, and then studies the sales of nearby versus distant comparable properties. The presence of one or a combination of key factors does not mean the use will be an external obsolescence, but a combination of these factors tends to be present when market data reflects that a use is an external obsolescence.

External obsolescence is evaluated by appraisers based on several factors. These factors include but are not limited to:

1) Traffic. Solar Farms are not traffic generators.

2) Odor. Solar farms do not produce odor.

3) Noise. Solar farms generate no noise concerns and are silent at night.

4) Environmental. Solar farms do not produce toxic or hazardous waste. Grass is maintained underneath the panels so there is minimal impervious surface area.

5) Appearance/Viewshed. This is the one area that potentially applies to solar farms. However, solar farms are generally required to provide significant setbacks and landscaping buffers to address that concern. Furthermore, any consideration of appearance of viewshed impacts has to be considered in comparison with currently allowed uses on that site. For example if a residential subdivision is already an allowed use, the question becomes in what way does the appearance impact adjoining property owners above and beyond the appearance of that allowed subdivision or other similar allowed uses.

6) Other factors. I have observed and studied many solar farms and have never observed any characteristic about such facilities that prevents or impedes neighbors from fully using their homes or farms or businesses for the use intended.

Relative Solar Farm Sizes

Solar farms have been increasing in size in recent years. Much of the data collected is from existing, older solar farms of smaller size, but there are numerous examples of sales adjoining 75 to 80 MW facilities that show a similar trend as the smaller solar farms. This is understandable given that the primary concern relative to a solar farm is the appearance or view of the solar farm, which is typically addressed through setbacks and landscaping buffers. The relevance of data from smaller solar farms to larger solar farms is due to the primary question being one of appearance. If the solar farm is properly screened, then little of the solar farm would be seen from adjoining property regardless of how many acres are involved.

Larger solar farms are often set up in sections where any adjoining owner would only be able to see a small section of the project even if there were no landscaping screen. Once a landscaping screen is in place, the primary view is effectively the same whether adjoining a 5 MW, 20 MW or 100 MW facility.

I have split out the data for the matched pairs adjoining larger solar farms only to illustrate the similarities later in this report.

Steps Involved in the Analysis

The paired sales analysis employed in this report follows the following process:

1. Identify sales of property adjoining existing solar farms.
2. Compare those sales to similar property that does not adjoin an existing solar farm.
3. Confirmation of sales are noted in the analysis write ups.
4. Distances from the homes to panels are included as a measure of the setbacks.
5. Topographic differences across the solar farms themselves are likewise noted along with demographic data for comparing similar areas.

There are a number of Sale/Resale comparables included in the write ups, but most of the data shown is for sales of homes after a solar farm has been announced (where noted) or after a solar farm has been constructed.

III. Research on Solar Farms

A. Appraisal Market Studies

I have also considered a number of impact studies completed by other appraisers as detailed below.

CohnReznick – Property Value Impact Study: Adjacent Property Values Solar Impact Study: A Study of Eight Existing Solar Facilities

Patricia McGarr, MAI, CRE, FRICS, CRA and Andrew R. Lines, MAI with CohnReznick completed an impact study for a proposed solar farm in Cheboygan County, Michigan completed on June 10, 2020. I am familiar with this study as well as a number of similar such studies completed by CohnReznick. I have not included all of these studies but I submit this one as representative of those studies.

This study addresses impacts on value from eight different solar farms in Michigan, Minnesota, Indiana, Illinois, Virginia and North Carolina. These solar farms are 19.6 MW, 100 MW, 11.9 MW, 23 MW, 71 MW, 61 MW, 40 MW, and 19 MW for a range from 11.9 MW to 100 MW with an average of 31 MW and a median of 31.5 MW. They analyzed a total of 24 adjoining property sales in the Test Area and 81 comparable sales in the Control Area over a five-year period.

The conclusion of this study is that there is no evidence of any negative impact on adjoining property values based on sales prices, conditions of sales, overall marketability, potential for new development or rate of appreciation.

Christian P. Kaila & Associates – Property Impact Analysis – Proposed Solar Power Plant Guthrie Road, Stuarts Draft, Augusta County, Virginia

Christian P. Kaila, MAI, SRA and George J. Finley, MAI developed an impact study as referenced above dated June 16, 2020. This was for a proposed 83 MW facility on 886 acres.

Mr. Kaila interviewed appraisers who had conducted studies and reviewed university studies and discussed the comparable impacts of other development that was allowed in the area for a comparative analysis of other impacts that could impact viewshed based on existing allowed uses for the site. He also discussed in detail the various other impacts that could cause a negative impact and how solar farms do not have such characteristics.

Mr. Kaila also interviewed county planners and real estate assessors in eight different Virginia counties with none of the assessor's identifying any negative impacts observed for existing solar projects.

Mr. Kaila concludes on a finding of no impact on property values adjoining the indicated solar farm.

Fred Beck, MAI, CCIM – Impact Analysis in Lincoln County 2013

Mr. Fred Beck, MAI, CCIM completed an impact analysis in 2013 for a proposed solar farm that concluded on a negative impact on value. That report relied on a single cancelled contract for an adjoining parcel where the contracted buyers indicated that the solar farm was the reason for the cancellation. It also relied on the activities of an assessment impact that was applied in a nearby county.

Mr. Beck was interviewed as part of the Christian Kalia study noted above. From that I quote "Mr. Beck concluded on no effect on moderate priced homes, and only a 5% change in his limited research of higher priced homes. His one sale that fell through is hardly a reliable sample. It also was misleading on Mr. Beck's part to report the lower re-assessments since the primary cause of the

re-assesments were based on the County Official, who lived adjacent to the solar farm, appeal to the assessor for reductions with his own home." In that Clay County Case study the noted lack of lot sales after announcement of the solar farm also coincided with the recession in 2008/2009 and lack of lot sales effectively defined that area during that time.

I further note, that I was present at the hearing where Mr. Beck presented these findings and the predominance of his argument before the Lincoln County Board of Commissioner's was based on the one cancelled sale as well as a matched pair analysis of high-end homes adjoining a four-story call center. He hypothesized that a similar impact from that example could be compared to being adjacent solar farm without explaining the significant difference in view, setbacks, landscaping, traffic, light, and noise. Furthermore, Mr. Beck did have matched pairs adjoining a solar farm in his study that he put in the back of his report and then ignored as they showed no impact on property value.

Also noted in the Christian Kalia interview notes is a response from Mr. Beck indicating that in his opinion "the homes were higher priced homes and had full view of the solar farm." Based on a description of screening so that "the solar farm would not be in full view to adjoining property owners. Mr. Beck said in that case, he would not see any drop in property value."

NorthStar Appraisal Company – Impact Analysis for Nichomus Run Solar, Pilesgrove, NJ, September 16, 2020

Mr. William J. Sapio, MAI with NorthStar Appraisal Company considered a matched pair analysis for the potential impact on adjoining property values to this proposed 150 MW solar farm. Mr. Sapio considered sales activity in a subdivision known as Point of Woods in South Brunswick Township and identified two recent new homes that were constructed and sold adjoining a 13 MW solar farm and compared them to similar homes in that subdivision that did not adjoin the solar farm. These homes sold in the $1,290,450 to $1,336,613 price range and these homes were roughly 200 feet from the closest solar panel.

Based on this analysis, he concluded that the adjoining solar farm had no impact on adjoining property value.

MR Valuation Consulting, LLC – The Kuhl Farm Solar Development and The Fischer Farm Solar Development – June 7, 2012

Mr. Mark Pomykacaz, MAI MRICS with MR Valuation Consulting, LLC considered a matched pair analysis for sales near these solar farms. The sales data presented supported a finding of no impact on property value for nearby and adjoining homes and concludes that there is no impact on marketing time and no additional risk involved with owning, building, or selling properties next to the solar farms.

Mary McClinton Clay, MAI – McCracken County Solar Project Value Impact Report, July 10, 2021

Ms. Mary Clay, MAI reviewed a report by Kirkland Appraisals in this case and also provided a differing opinion of impact. She cites a number of other appraisal studies and interestingly finds fault with heavily researched opinions, while praising the results of poorly researched studies that found the opposing view.

Her analysis includes details from solar farms that show no impact on value, but she dismisses those.

She cites the University of Texas study noted later in this report, but she cites only isolated portions of that study to conclude the opposite of what that study specifically concludes.

She cites the University of Rhode Island study noted alter in this report, but specifically excludes the conclusion of that study that in rural areas they found no impact on property value.

She cites lot sales near Spotsylvania Solar without confirming the purchase prices with brokers as indicative of market impact and has made no attempt to compare lot prices that are contemporaneous. In her 5 lot sales that she identifies, all of the lot prices decline with time from 2015 through 2019. This includes the 3 lot sales prior to the approval of the solar farm. The decrease in lot values shown in this chart are more indicative of the trend in the market, than of any impact related to the solar farm. Otherwise, how does she explain the drop in price from 2015 to 2017 prior to the solar farm approval.

She considers data at McBride Place Solar Farm and does a sale/resale analysis based on Zillow Home Value Index, which is not a reliable indication for appreciation in the market. She then adjusted her initial sales prior to the solar farm over 7 years to determine what she believes the home should have appreciated by and then compares that to an actual sale. She has run no tests or any analysis to show that the appreciation rates she is using are consistent with the market but more importantly she has not attempted to confirm any of these sales with market participants. I have spoken with brokers active in the sales that she cites and they have all indicated that the solar farm was not a negative factor in marketing or selling those homes.

She has considered lot sales at Sunshine Farms in Grandy, NC. She indicates that the lots next to the solar farm are selling for less than lots not near the solar farm, but she is actually using lot sales next to the solar farm prior to the solar farm being approved. She also ignores recent home sales adjoining this solar farm after it was built that show no impact on property value.

She also notes a couple of situations where solar developers have purchased adjoining homes and resold them or where a neighbor agreement was paid as proof of a negative impact on property value. Given that there are over 2,500 solar farms in the USA as of 2018 according to the U.S. Energy Information Administration and there are only a handful of such examples, this is clearly not an industry standard but a business decision. Furthermore, solar developers are not in the business of flipping homes and are in a position very similar to a bank that acquires a home as OREO (Other Real Estate Owned), where homes are frequently sold at discounted prices, not because of any drop in value, but because they are not a typically motivated seller. Market value requires an analysis of a typically motivated buyer and seller. So these are not good indicators of market value impacts.

The comments throughout this study are heavy in adjectives, avoids stating facts contrary to the conclusion and shows a strong selection bias.

Conclusion of Impact Studies

Of the five studies noted two included actual sales data to derive an opinion of no impact on value. The two studies to conclude on a negative impact includes the Fred Beck study based on no actual sales data, and he has since indicated that with landscaping screens he would not conclude on a negative impact. The other study by Mary Clay shows improper adjustments for time, a lack of confirmation of sales comparables, and exclusion of data that does not support her position.

I have relied on these studies as additional support for the findings in this impact analysis.

B. Articles

I have also considered a number of articles on this subject as well as conclusions and analysis as noted below.

Farm Journal Guest Editor, March 22, 2021 – Solar's Impact on Rural Property Values

Andy Ames, ASFMRA (American Society of Farm Managers and Rural Appraisers) published this article that includes a discussion of his survey of appraisers and studies on the question of property value related to solar farms. He discusses the university studies that I have cited as well as Patricia McGarr, MAI.

He also discusses the findings of Donald A. Fisher, ARA, who served six years at the Chair of the ASFMRA's National Appraisal Review Committee. He is also the Executive Vice President of the CNY Pomeroy Appraiser and has conducted several market studies on solar farms and property impact. He is quoted in the article as saying, "Most of the locations were in either suburban or rural areas, and all of those studies found either a neutral impact, or ironically, a positive impact, where values on properties after installation of solar farms went up higher than time trends."

Howard Halderman, AFM, President and CEO of Halderman Real Estate and Farm Management attended the ASFMRA solar talk hosted by the Indiana Chapter of the ASFMRA and he concludes that other rural properties would likely see no impact and farmers and landowners shown even consider possible benefits. "In some cases, farmers who rent land to a solar company will insure the viability of their farming operation for a longer time period. This makes them better long-term tenants or land buyers so one can argue that higher rents and land values will follow due to the positive impact the solar leases offer."

National Renewable Energy Laboratory – Top Five Large-Scale Solar Myths, February 3, 2016

Megan Day reports form NREL regarding a number of concerns neighbors often express. Myth #4 regarding property value impacts addresses specifically the numerous studies on wind farms that show no impact on property value and that solar farms have a significantly reduced visual impact from wind farms. She highlights that the appearance can be addressed through mitigation measures to reduce visual impacts of solar farms through vegetative screening. Such mitigations are not available to wind farms given the height of the windmills and again, those studies show no impact on value adjoining wind farms.

North Carolina State University: NC Clean Energy Technology Center White Paper: Balancing Agricultural Productivity with Ground-Based Solar Photovoltaic (PV) Development (Version 2), May 2019

Tommy Cleveland and David Sarkisian wrote a white paper for NCSU NC Clean Energy Technology Center regarding the potential impacts to agricultural productivity from a solar farm use. I have interviewed Tommy Cleveland on numerous occasions and I have also heard him speak on these issues at length as well. He addresses many of the common questions regarding how solar farms work and a detailed explanation of how solar farms do not cause significant impacts on the soils, erosion and other such concerns. This is a heavily researched paper with the references included.

North Carolina State University: NC Clean Energy Technology Center White Paper: Health and Safety Impacts of Solar Photovoltaics, May 2017

Tommy Cleveland wrote a white paper for NCSU NC Clean Energy Technology Center regarding the health and safety impacts to address common questions and concerns related to solar farms. This is a heavily researched white paper addressing questions ranging from EMFs, fire safety, as well as vegetation control and the breakdown of how a solar farm works.

C. Broker Commentary

In the process of working up the matched pairs used later in this report, I have collected comments from brokers who have actually sold homes adjoining solar farms indicating that the solar farm had no impact on the marketing, timing, or sales price for the adjoining homes. I have included comments from brokers within this report where they discussed specific solar projects including brokers from Kentucky, Virginia, Tennessee, and North Carolina.

IV. University Studies

I have also considered the following studies completed by four different universities related to solar farms and impacts on property values.

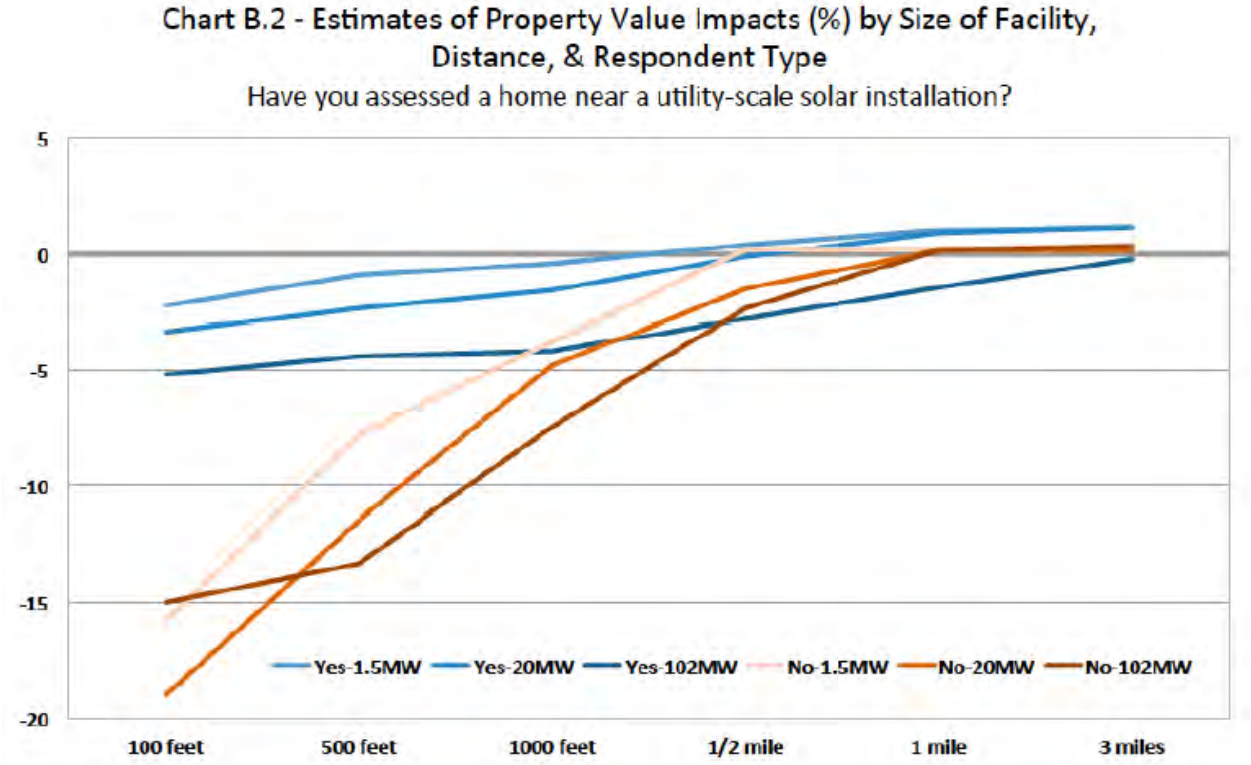
A. University of Texas at Austin, May 2018

An Exploration of Property-Value Impacts Near Utility-Scale Solar Installations

This study considers solar farms from two angles. First it looks at where solar farms are being located and concludes that they are being located primarily in low density residential areas where there are fewer homes than in urban or suburban areas.

The second part is more applicable in that they conducted a survey of appraisers/assessors on their opinions of the possible impacts of proximity to a solar farm. They consider the question in terms of size of the adjoining solar farm and how close the adjoining home is to the solar farm. I am very familiar with this part of the study as I was interviewed by the researchers multiple times as they were developing this. One very important question that they ask within the survey is very illustrative. They asked if the appraiser being surveyed had ever appraised a property next to a solar farm. There is a very noticeable divide in the answers provided by appraisers who have experience appraising property next to a solar farm versus appraisers who self-identify as having no experience or knowledge related to that use.

On Page 16 of that study they have a chart showing the responses from appraisers related to proximity to a facility and size of the facility, but they separate the answers as shown below with appraisers with experience in appraising properties next to a solar farm shown in blue and those inexperienced shown in brown. Even within 100 feet of a 102 MW facility the response from experienced appraisers were -5% at most on impact. While inexperienced appraisers came up with significantly higher impacts. This chart clearly shows that an uninformed response widely diverges from the sales data available on this subject.



Furthermore, the question cited above does not consider any mitigating factors such as landscaping buffers or screens which would presumably reduce the minor impacts noted by experienced appraisers on this subject.

The conclusion of the researchers is shown on Page 23 indicated that "Results from our survey of residential home assessors show that the majority of respondents believe that proximity to a solar installation has either no impact or a positive impact on home values."

This analysis supports the conclusion of this report that the data supports no impact on adjoining property values.

B. University of Rhode Island, September 2020

Property Value Impacts of Commercial-Scale Solar Energy in Massachusetts and Rhode Island

The University of Rhode Island published a study entitled **Property Value Impacts of Commercial-Scale Solar Energy in Massachusetts and Rhode Island** on September 29, 2020 with lead researchers being Vasundhara Gaur and Corey Lang. I have read that study and interviewed Mr. Corey Lang related to that study. This study is often cited by opponents of solar farms but the findings of that study have some very specific caveats according to the report itself as well as Mr. Lang from the interview.

While that study does state in the Abstract that they found depreciation of homes within 1-mile of a solar farm, that impact is limited to non-rural locations. On Pages 16-18 of that study under Section 5.3 Heterogeneity in treatment effect they indicate that the impact that they found was limited to non-rural locations with the impact in rural locations effectively being zero. For the study they defined "rural" as a municipality/township with less than 850 population per square mile.

They further tested the robustness of that finding and even in areas up to 2,000 population per square mile they found no statistically significant data to suggest a negative impact. They have not specifically defined a point at which they found negative impacts to begin, as the sensitivity study stopped checking at the 2,000-population dataset.

Where they did find negative impacts was in high population density areas that was largely a factor of running the study in Massachusetts and Rhode Island which the study specifically cites as being the 2nd and 3rd most population dense states in the USA. Mr. Lang in conversation as well as in recorded presentations has indicated that the impact in these heavily populated areas may reflect a loss in value due to the scarce greenery in those areas and not specifically related to the solar farm itself. In other words, any development of that site might have a similar impact on property value.

Based on this study I have checked the population for the High Springs-Alachua CCD of Alachua County, which has a population of 43,105 population for 2021 based on HomeTownLocator.com and a total area of 222.19 square miles. This indicates a population density of 194 people per square mile which puts this well below the threshold indicated by the Rhode Island Study.

I therefore conclude that the Rhode Island Study supports a finding of no impact on adjoining properties for the proposed solar farm.

High Springs-Alachua CCD Data & Demographics (As of July 1, 2021)

POPULATION	
Total Population	43,105 (100%)
Population in Households	43,056 (99.9%)
Population in Families	34,496 (80.0%)
Population in Group Quarters[1]	49 (0.1%)
Population Density	194
Diversity Index[2]	50

HOUSING	
Total HU (Housing Units)	19,636 (100%)
Owner Occupied HU	13,788 (70.2%)
Renter Occupied HU	4,228 (21.5%)
Vacant Housing Units	1,620 (8.3%)
Median Home Value	$254,563
Average Home Value	$294,225
Housing Affordability Index[3]	130

INCOME	
Median Household Income	$62,082
Average Household Income	$85,576
% of Income for Mortgage[4]	17%
Per Capita Income	$35,769
Wealth Index[5]	101

HOUSEHOLDS	
Total Households	18,016
Average Household Size	2.39
Family Households	11,812
Average Family Size	3

C. Georgia Institute of Technology, October 2020

Utility-Scale Solar Farms and Agricultural Land Values

This study was completed by Nino Abashidze as Post-Doctoral Research Associate of Health Economics and Analytics Labe (HEAL), School of Economics, Georgia Institute of Technology. This research was started at North Carolina State University and analyzes properties near 451 utility-scale ground-mount solar installations in NC that generate at least 1 MW of electric power. A total of 1,676 land sales within 5-miles of solar farms were considered in the analysis.

This analysis concludes on Page 21 of the study "Although there are no direct effects of solar farms on nearby agricultural land values, we do find evidence that suggests construction of a solar farm may create a small, positive, option -value for land owners that is capitalized into land prices. Specifically, after construction of a nearby solar farm, we find that agricultural land that is also located near transmission infrastructure may increase modestly in value."

This study supports a finding of no impact on adjoining agricultural property values and in some cases could support a modest increase in value.

D. Master's Thesis: ECU by Zachary Dickerson July 2018

A Solar Farm in *My* Backyard? Resident Perspectives of Utility-Scale Solar in Eastern North Carolina

This study was completed as part of a Master of Science in Geography Master's Thesis by Zachary Dickerson in July 2018. This study sets out to address three questions:

1. Are there different aspects that affect resident satisfaction regarding solar farms?

2. Are there variations in satisfaction for residents among different geographic settings, e.g. neighborhoods adjacent to the solar farms or distances from the solar farms?

3. How can insight from both the utility and planning sectors, combined with knowledge gained from residents, fill gaps in communication and policy writing in regard to solar farms?

This was done through survey and interview with adjacent and nearby neighbors of existing solar farms. The positive to neutral comments regarding the solar farms were significantly higher than negative. The researcher specifically indicates on Page 46 "The results show that respondents generally do not believe the solar farms pose a threat to their property values."

The most negative comments regarding the solar farms were about the lack of information about the approval process and the solar farm project prior to construction.

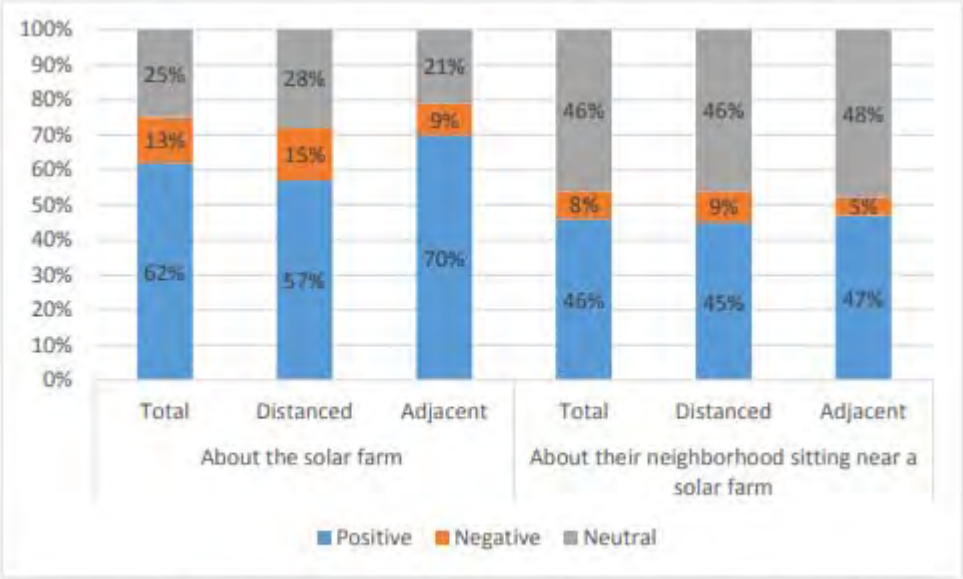


Figure 11: Residents' positive/negative word choices by geographic setting for both questions

V. Assessor Surveys

I have attempted to contact all of the assessor departments in North Carolina to determine how local assessors are handling solar farms and adjoining property values. I have spoken personally with a number of assessors, but much of this data was obtained via email. I have 39 counties in NC that have both responded to these questions on property value and also have solar farms in that county. I have excluded responses from assessors from counties where there are no current solar farms.

As can be seen in the chart below, of the 39 responses all of the responses have indicated that they make no adjustment to properties adjoining solar farms. Several assessors indicated that it would require an adjoining property owner to appeal their property value with data showing a negative impact before they would make any adjustment and to date they have not had that happen.

I also point out specifically Clay County. I spoke with the assessor there specifically about adjustments that were applied to some properties near a solar farm back in 2008. She was unaware of the details of that event as she was not in this position at that time. As discussed earlier in this report the lower re-assessments at that solar farm were based on a County Official, who owned property adjacent to the solar farm, who made an appeal to the assessor for reductions for his own property. The noted lack of lot sales after announcement of the solar farm however coincided with the recession in 2008/2009 and lack of lot sales effectively defined that area during that time, but without relying on any data the assessor made that change in that time frame based on conversations with the assessor. Since then, Clay County has confirmed that they do not currently make any changes to adjoining property values and the current county assessor was not even aware that they had in the past done so.

NC Assessor Survey on Solar Farm Property Value Impacts

County	Assessor's Name	Number of Farms	Change in Adjacent Property Value
Alexander	Doug Fox	3	No
Buncombe	Lisa Kirbo	1	No
Burke	Daniel Isenhour	3, 2 on 1 parcel, 1 on 3 parcels	No
Cabarrus	Justin	less than 10, more in the works	No
Caldwell	Monty Woods	3 small	No, but will look at data in 2025
Catawba	Lori Ray	14	No
Chatham	Jenny Williams	13	No
Cherokee	Kathy Killian	9	No
Chowan	Melissa Radke	3, I almost operational	No
Clay	Bonnie L. Lyvers		No
Davidson	Libby	1	No
Duplin	Gary Rose	34, 2 more in planning	No
Franklin	Marion Cascone	11	No
Gaston	Traci Hovis	3	No
Gates	Chris Hill	3	No
Granville	Jenny Griffin	8	No
Halifax	C. Shane Lynch	Multiple	No
Hoke	Mandi Davis	4	No
Hyde	Donnie Shumate	1 to supplement egg processing plant	No
Iredell	Wes Long	2, 3 others approved	No
Lee	Lisa Faulkner	8	No
Lincoln	Susan Sain	2	No
Moore	Michael Howery	10	No
New Hanover	Rhonda Garner	35	No
Orange	Chad Phillip	2 or 7 depending on breakdown	No
Pender	Kayla Bolick Futrell	6	No
Person	Russell Jones	9	No
Pitt	Russell D. Hill	8, 1 in planning	No
Randolph	Mark Frick	19	No
Rockingham	Mark C McClintock	6	No
Rutherford	Kim Aldridge	20	No
Sampson	Jim Johnson	9, 1 in construction	No
Scotland	James Brown	15, 1 in process	No
Stokes	Richard Brim	2	No
Surry	Penny Harrison	4, 2 more in process	No
Union	Robin E. Merry	6	No
Vance	Cathy E. Renn	13	No
Warren	John Preston	7	No
Wayne	Alan Lumpkin	32	No
Wilson	William (Witt) Putney	~16	No, mass appraisal standards applied

Responses: 39
Negative Impact on Adjoining Value = Yes: 0
Negative Impact on Adjoining Value = No: 39

I have also been working on a survey of Virginia Assessors regarding property values related to solar farms and whether or not the local assessors have found any data to support any changes to value on property adjoining solar farms. In this process I have contacted every assessor's office by email and I have received responses by email and by phone from a number of these counties. Many of the counties in Virginia rely on outside firms to assist in gathering data for the assessments and where that is the case, we have contacted the outside firms regarding the question of whether or not the assessors are currently making any adjustments to properties adjoining solar farms.

I currently have response from 16 counties that have solar farms in them and of those 16 responses none of the assessors are currently applying a negative impact on property value. One response suggested that adjoining values may go up.

I did speak with Randy Willis with Pearson Assessors. His company assists in the assessments in many of the counties south of Richmond. He indicated that they had found no data to suggest a negative impact on property value and they have looked as they were concerned about that issue. He indicated that they would make no negative impact adjustments and that he recognizes that

there are a number of agricultural adjoining uses that have a greater impact on adjoining properties in terms of noise, dust and odor than a solar farm would have. He did indicate that there could be situations where an individual home might have a greater visual impact and those should be looked at on a case-by-case basis, but he also agreed that many allowed agricultural uses could have similar visual impacts on such properties as well.

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County	Assessor Name	Number of Farms in Operation	Change in adjacent property value
Appomattox	Sara Henderson	1, plus one in process	No
Augusta	W. Jean Shrewsbury	no operational	No
Buckingham	Stephanie D. Love	1	No
Charlotte	Naisha Pridgen Carter	1, several others in the works	No
Clarke	Donna Peake	1	No
Frederick	Seth T. Thatcher	none, 2 appoved for 2022	No, assuming compatible with rural area
Goochland	Mary Ann Davis		No
Hanover	Ed Burnett	1	No
Louisa	Stacey C. Fletcher	2 operational by end of year	No, only if supported by market data
Mecklenburg	Joseph E. "Ed" Taylor		No
Nottoway	Randy Willis with Pearson Assessors		No
Powhatan	Charles Everest	2 approved, 1 built	Likely increase in value
Rockingham	Dan Cullers	no operational	Likely no
Southampton	Amy B. Carr	1	Not normally
Surry	Jonathan F. Judkins	1	None at this time
Westmoreland	William K. Hoover	4	No

Responses: 16
Negative Impact on Adjoining Value = Yes: 0
Negative Impact on Adjoining Value = No: 16

VI. Summary of Solar Projects In and Around Florida

I have researched the solar projects in Florida. I identified the solar farms through the Solar Energy Industries Association (SEIA) Major Projects List and then excluded the roof mounted facilities. I focused on larger solar farms over 10 MW though I have included a couple of smaller solar farms as shown in the chart below

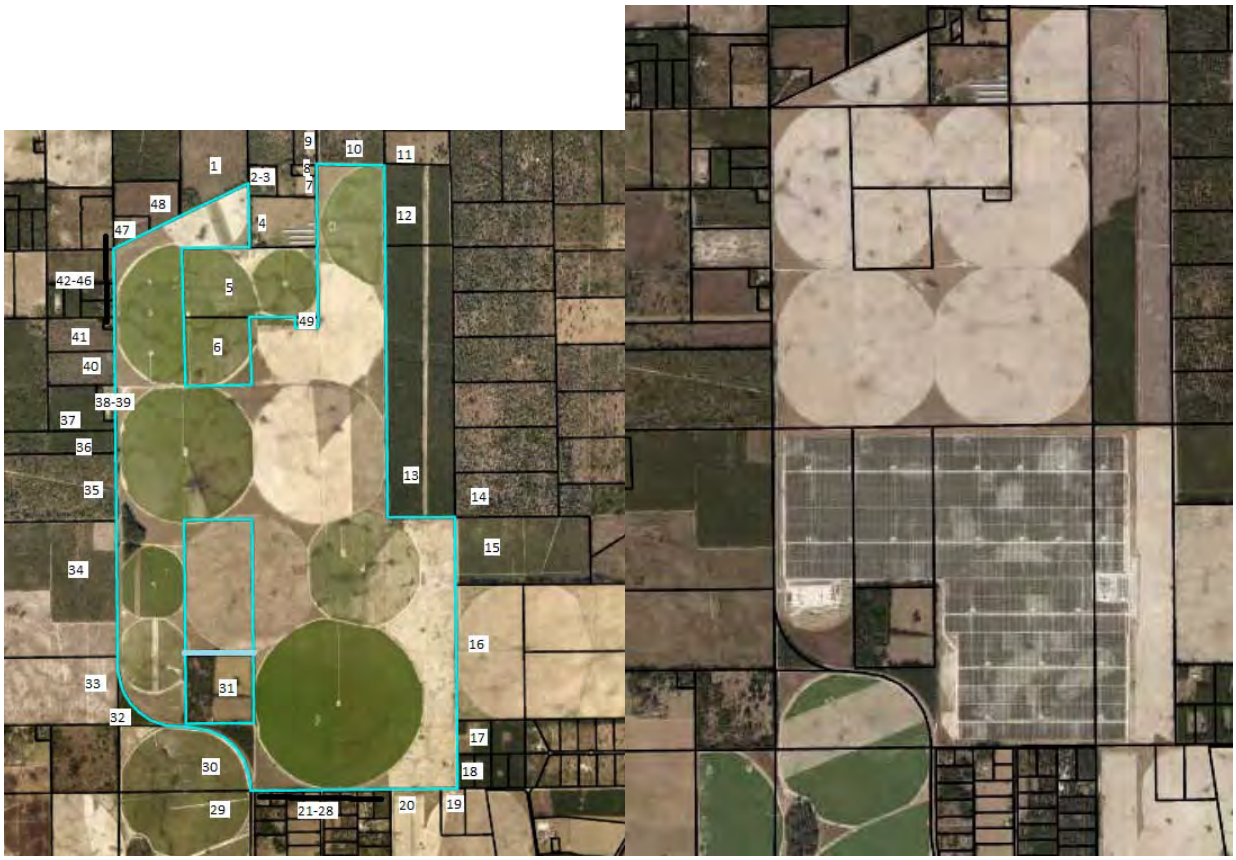
I was able to identify and research 19 existing solar farms in Florida as shown below. These are primarily in the 74.5 MW size with adjoining homes as close as 67 feet and the mix of adjoining uses is primarily agricultural and residential.

#	State	County	City	Name	Output (MW)	Total Acres	Used Acres	Avg. Dist to home	Closest Home	Adjoining Use by Acre			
										Res	Agri	Agri/Res	Com
319	FL	Hamilton	Jasper	Hamilton	74.9	1268.9	537	3,596	240	5%	67%	28%	0%
320	FL	Suwannee	Falmouth	Suwannee		165.5	83.95			14%	69%	17%	0%
321	FL	Osceola	St Cloud	Osceola	3.8	25.1				0%	100%	0%	0%
322	FL	Taylor	Perry	Perry	5.1	55.63		380	67	56%	42%	0%	2%
323	FL	Duval	Jacksonville	Jacksonville	15	441.67		1,840	915	2%	83%	0%	14%
334	FL	Polk	Lakeland	LKL BLBD LLC	6	68.64				42%	0%	54%	4%
335	FL	Polk	Lakeland	Lakeland	3.5	143.03		814	150	42%	11%	29%	19%
336	FL	Manatee	Parrish	Manatee	74.5	1180.4		1,079	625	2%	50%	1%	47%
337	FL	DeSoto	Arcadia	Citrus	74.5	640				0%	0%	100%	0%
338	FL	Charlotte	Port Charlotte	Babcock	74.5	422.61				0%	0%	100%	0%
441	FL	Alachua	Hawthorne	Horizon	74.5	684	684	1,808	460	5%	80%	15%	0%
667	FL	Volusia	New Smyrna Bch	Pioneer Trail	74.5	1202.8	900	1,162	225	14%	61%	21%	4%
668	FL	Columbia	Lake City	Sunshine Gateway	74.5	904.29	472	1,233	890	11%	80%	8%	0%
669	FL	Putnam	Florahome	Coral Farms	74.5	666.54	580	1,614	765	19%	75%	7%	0%
741	FL	Brevard	Barefoot Bay	Barefoot Bay	74.5	503.75	503.75	725	235	11%	87%	0%	3%
742	FL	St. Lucie	Port St. Lucie	Loggerhead	74.5	2100	1161	520	285	6%	77%	4%	13%
743	FL	St. Lucie	Fort Pierce	Interstate	74.5	420.3	420.3	-	-	1%	99%	0%	0%
744	FL	Miami-Dade	Kendall Grove	Miami-Dade	74.5	465.61	346.8	1,053	475	26%	74%	0%	0%
745	FL	Hillsborough	Fishhawk	Balm	74.4	547.44	419.67	732	275	15%	78%	8%	0%
		Total Number of Solar Farms			19								
				Average	55.68	626.6	555.3	1274	431	14%	60%	21%	6%
				Median	74.50	503.8	503.8	1079	285	11%	74%	8%	0%
				High	74.90	2100.0	1161.0	3596	915	56%	100%	100%	47%
				Low	3.50	25.1	84.0	380	67	0%	0%	0%	0%

On the following pages I have included summary data on the Florida solar farms indicated above. Similar information is available for the larger set of solar farms in the adjoining states in my files if requested.

The number before each solar farm is the Kirkland Appraisal's File Number for solar farms. For example, 319 indicates that this is the 319th solar farm that I have looked at and this numbering system includes all states where I have done such research.

319. Hamilton Solar, Jasper, Hamilton County



This project is located on 537 acres out of a 1,268.89-acre parent tract for a 74.9 MW facility. The closest adjoining home is 240 feet away and all of the adjoining uses are agricultural and residential. The project was built in 2018.

320. Suwanee Solar Farm, Falmouth, Suwannee County



This project is located on 83.95 acres out of a parent tract of 165.50 acres located on River Road, Falmouth, Florida. The adjoining uses are entirely agricultural and residential. This was built in 2017.

321. Osceola Solar Farm, St. Cloud, Osceola County



This project is located on 25.10 acres on Bar 7 Ranch Road south of St. Cloud, Florida. The adjoining uses are entirely agricultural.

322. Perry Solar Farm, Perry, Taylor County



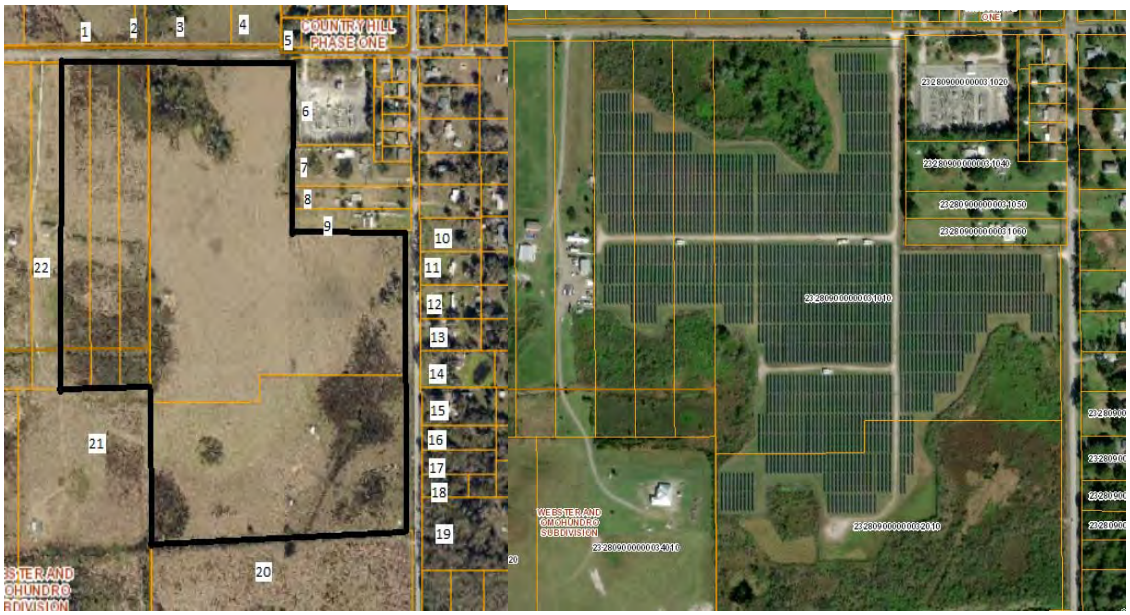
This project is located on 55.63 acres on Howard Street, Perry, Florida. The adjoining uses are agricultural, residential, a cemetery, and a school. Of note there are two homes within 100 feet of the solar panels at this site.

323. Jacksonville Solar Farm, Jacksonville, Duval County



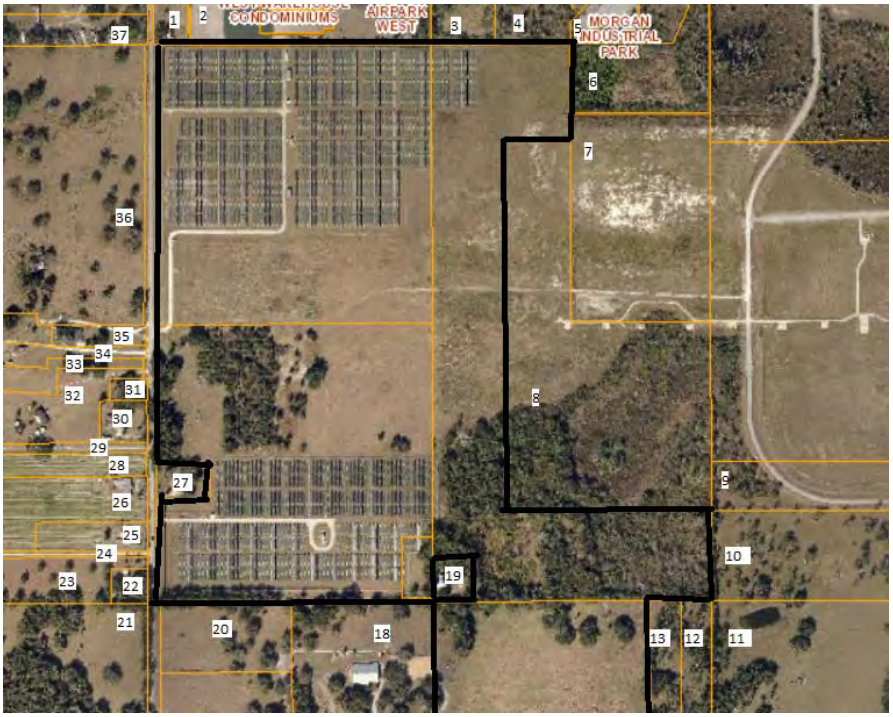
This project is located on 441.67 acres on US 301 N, Jacksonville, Florida. The adjoining uses are agricultural, residential and a substation.

334. LKL BLBD Solar Farm, Lakeland, Polk County



This project is located on a 68.64-acre tract on Bella Vista Street, Lakeland, Florida. Adjoining uses are residential, agricultural and a substation. The closest home to panel that I measured at this location is 70 feet.

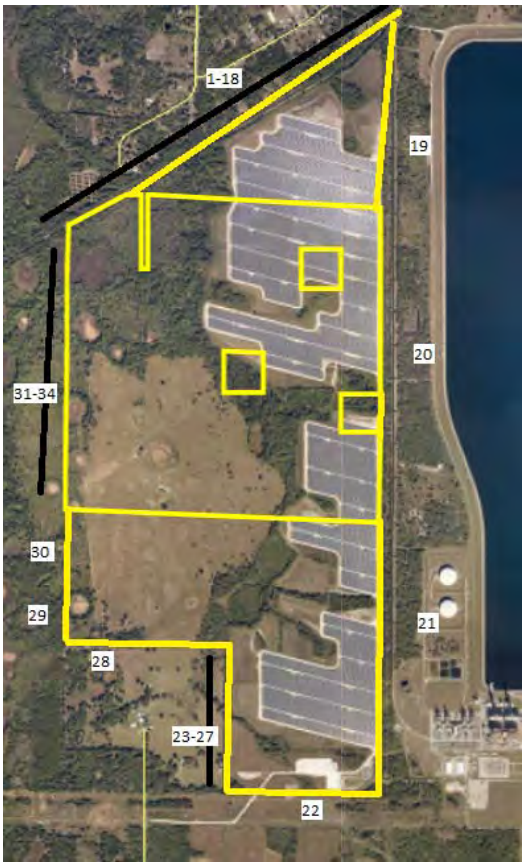
335. Polk Electric Solar Farm, Lakeland, Polk County



This solar farm is located on a 143.03 acre tract on Hamilton Road, Lakeland, Florida. An airport is located to the east, an industrial park is to the north east and most of the rest of the land is

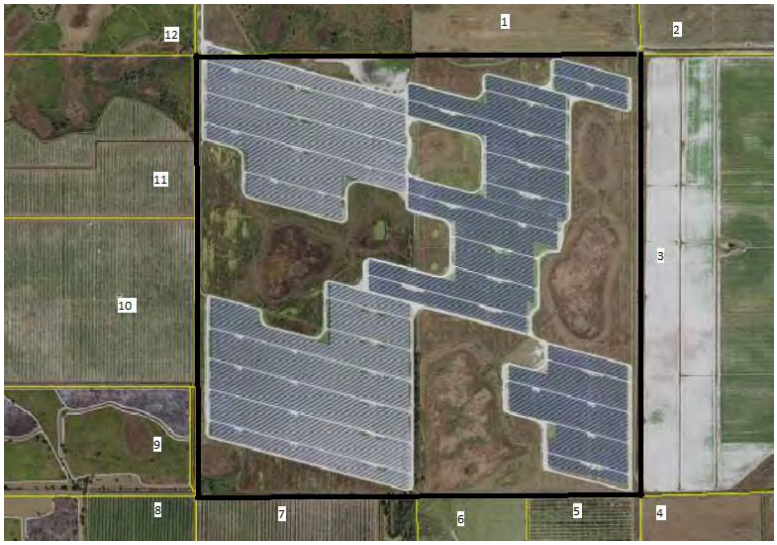
residential and agricultural. This write up shows the boundary of Lakeland 1, 2 and 3, three separate solar farms for a combined output around 11 MW.

336. Manatee Solar Farm, Parrish, Manatee County



This project is located on a 1,280.38-acre tract located near Seminole Trail, Parrish, Florida. Adjoining uses are primarily agricultural and residential. The closest home is 625 feet away.

337. Citrus Solar Farm, Arcadia, DeSoto County



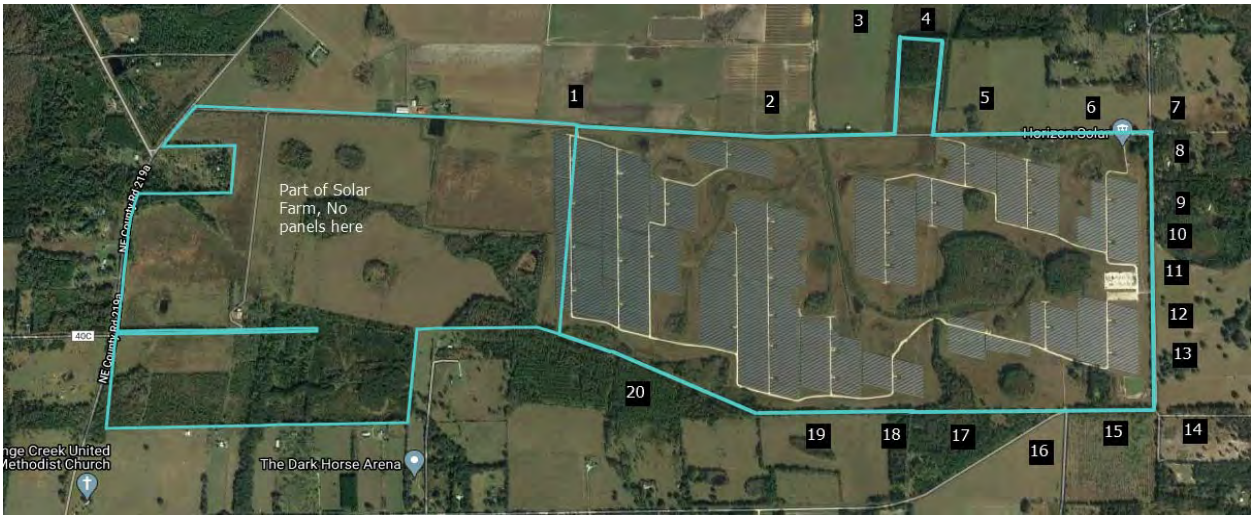
This project is located on a 640-acre tract near NE McIntyre Street, Arcadia, Florida. The adjoining uses are entirely agricultural.

338. Babcock Ranch Solar Farm, Port Charlotte, Charlotte County



This project is located on a 442.61-acre tract located at 8500 SR 31, SE of Port Charlotte, Florida. The adjoining uses are entirely agricultural.

441. Horizon Solar, Hawthorne, Alachua & Putnam County



This project is located on a 684-acre tract for a 74.5 MW facility. All adjoining uses are agricultural and residential. This project was built in 2018. The closest adjoining home is 460 feet away.

667. Pioneer Trail Solar, New Smyrna Beach, Volusia County



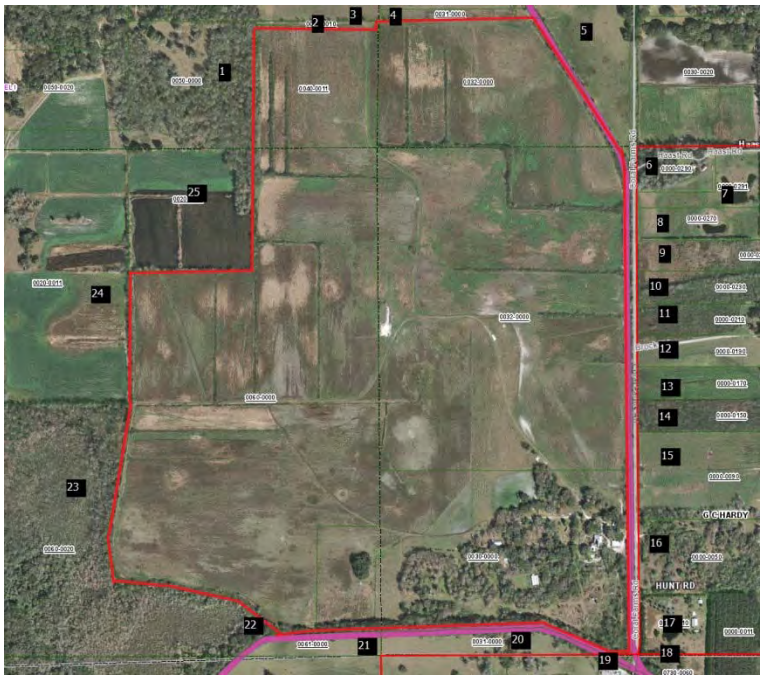
This project is located on approximately 900 acres out of a 1,202.80-acre tract for a 74.5 MW facility. All adjoining uses are agricultural and residential. This project was built in 2019. The closest home is 225 feet from the nearest panel.

668. Sunshine Gateway Solar, Lake City, Columbia County



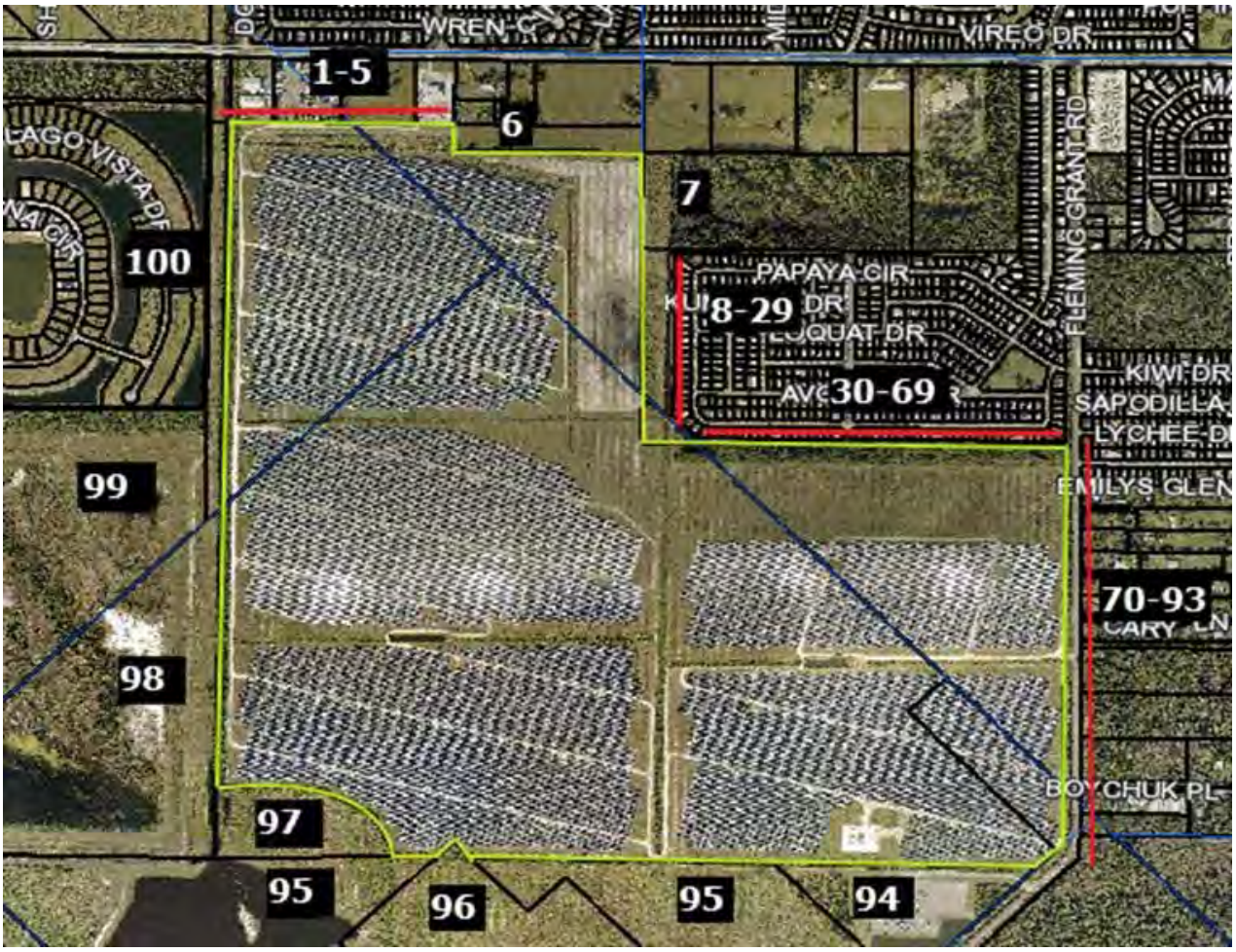
This project is located on 472 acres out of a 904.29-acre tract for a 74.5 MW facility. All adjoining uses are agricultural and residential. This project was built in 2019.

669. Coral Farms Solar, Florahome, Putnam County



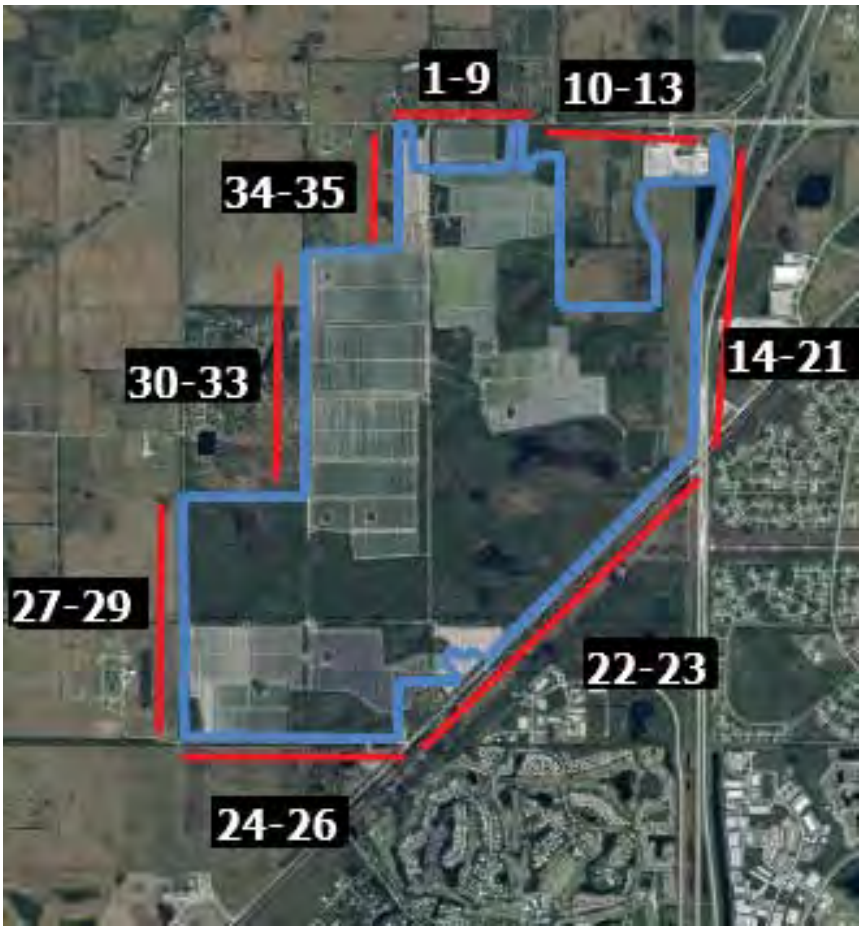
This project is located on 580 acres out of a 666.54-acre tract for a 74.5 MW facility. All adjoining uses are agricultural and residential. This project was built in 2018.

741. Barefoot Bay Solar, Barefoot Bay, Brevard County



This project is located on 504 acres for a 704.5 MW facility. Most of the adjoining uses are medium density residential with some lower density agricultural uses to the southwest. This project was built in 2018. There is a new subdivision under development to the west.

742. Loggerhead Solar, Port St. Lucie, St. Lucie County



This project is located on 1,161 acres out of a 2,100-acre tract for a 74.5 MW facility. Most of the adjoining uses are agricultural and residential. This project was built in 2018. The closest home is 285 feet from the nearest panel.

743. Interstate Solar, Fort Pierce, St. Lucie County



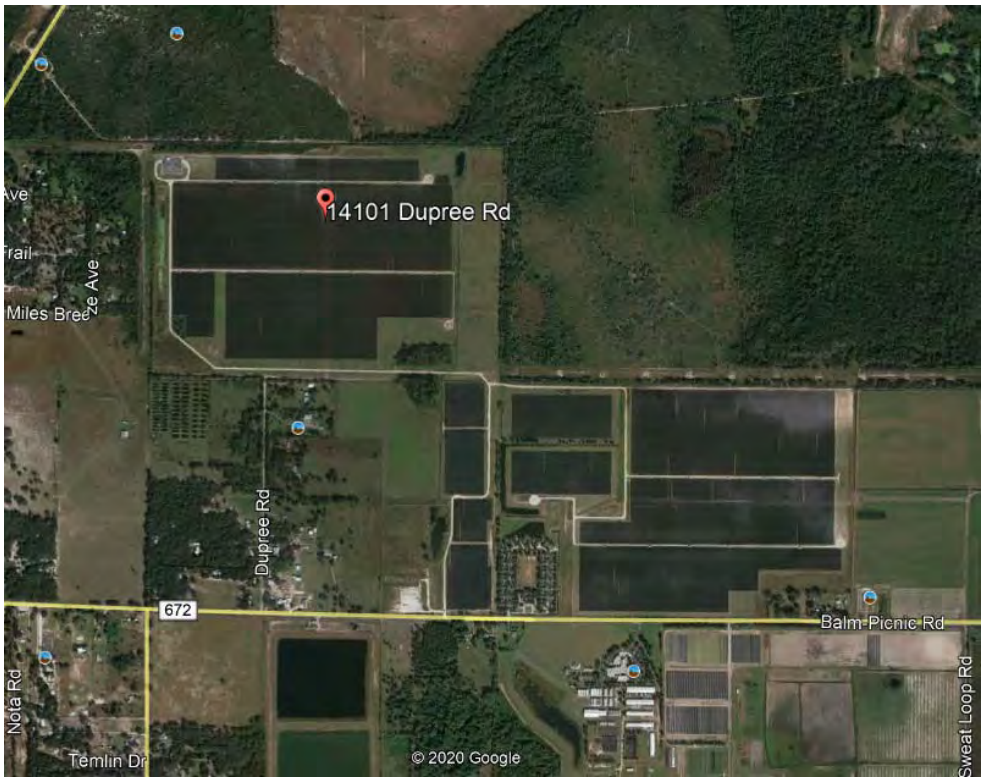
This project is located on 420.30 acres for a 74.5 MW facility. All of the adjoining uses are agricultural and residential. This project was built in 2018.

744. Miami-Dade Solar, Miami, Miami-Dade County



This project is located on 346.80 acres for a 74.5 MW facility. All of the adjoining uses are agricultural and residential. This project was built in 2019.

745. Balm Solar, Wimauma, Hillsborough County



This project is located on 419.67 acres out of a parent tract of 547.44 acres for a 74.5 MW facility. Adjoining uses are agricultural and residential including school (IFAS Institute). This project was built in 2018.

VII. Market Analysis of the Impact on Value from Solar Farms

I have researched hundreds of solar farms in numerous states to determine the impact of these facilities on the value of adjoining property. This research has primarily been in North Carolina, but I have also conducted market impact analyses in Virginia, South Carolina, Tennessee, Texas, Oregon, Mississippi, Maryland, New York, California, Missouri, Florida, Montana, Georgia, Louisiana, and New Jersey.

Wherever I have looked at solar farms, I have derived a breakdown of the adjoining uses to show what adjoining uses are typical for solar farms and what uses would likely be considered consistent with a solar farm use similar to the breakdown that I've shown for the subject property on the previous page. A summary showing the results of compiling that data over hundreds of solar farms is shown later in the Scope of Research section of this report.

I also consider whether the properties adjoining a solar farm in one location have characteristics similar to the properties abutting or adjoining the proposed site so that I can make an assessment of market impact on each proposed site. Notably, in most cases solar farms are placed in areas very similar to the site in question, which is surrounded by low density residential and agricultural uses. In my over 700 studies, I have found a striking repetition of that same typical adjoining use mix in over 90% of the solar farms I have looked at. Matched pair results in multiple states are strikingly similar, and all indicate that solar farms – which generate very little traffic, and do not generate noise, dust or have other harmful effects – do not negatively impact the value of adjoining or abutting properties.

On the following pages I have considered matched pair data specific to Florida.

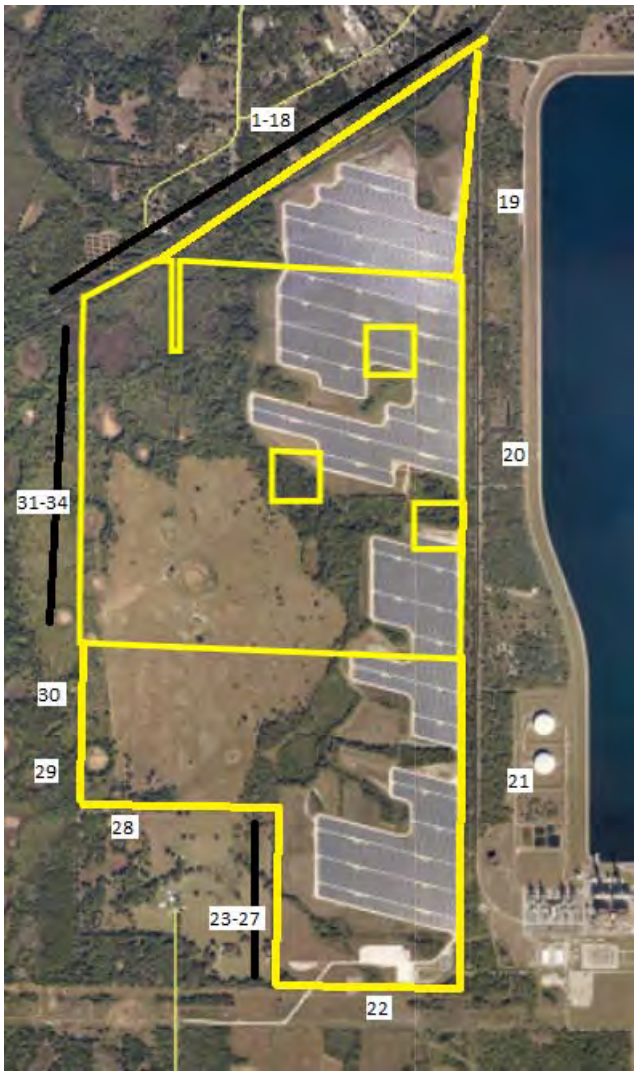
In the Appendix I have considered matched pair data throughout the Southeast of the United States as being the most similar states that would most readily compare to Florida. This includes data from Florida, Georgia, South Carolina, North Carolina, Tennessee, Virginia and Maryland. I focused on projects of 5 MW and larger though I have significant supplemental data on solar farms just smaller than that in North Carolina and Kentucky that show similar results. This data is available in my files.

Also in the Appendix I have additional supporting information from other states in my files that show a consistent pattern across the United States, but again, I have focused on the Southeast in this analysis.

A. Florida Data

I have identified matched pairs adjoining 3 of the 19 solar farms noted above. The following pages detail the matched pairs and how they were derived.

1. Matched Pair – Manatee Solar Farm, Parrish, FL



This solar farm is located near Seminole Trail, Parrish, FL. The solar farm has a 74.50 MW output and is located on a 1,180.38 acre tract and was built in 2016. The tract is owned by Florida Power & Light Company. The closest home adjoining home is 625 feet from the nearest panel.

I have considered the recent sale of 13670 Highland Road, Wimauma, Florida. This one-story, block home is located just north of the solar farm and separated from the solar farm by a railroad corridor. This home is a 3 BR, 3 BA 1,512 s.f. home with a carport and workshop. The property includes new custom cabinets, granite counter tops, brand new stainless steel appliances, updated bathrooms and new carpet in the bedrooms. The home is sitting on 5 acres. The home was built in 1997.

I have compared this sale to several nearby homesales as part of this matched pair analysis as shown below.

Solar	TAX ID/Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Note
Adjoins	13670 Highland	5.00	8/21/2017	$255,000	1997	1,512	$168.65	3/3	Carport/Wrkshp	Ranch	Renov.
Not	2901 Arrowsmith	1.91	1/31/2018	$225,000	1979	1,636	$137.53	3/2	2 Garage/Wrkshp	Ranch	
Not	602 Butch Cassidy	1.00	5/5/2017	$220,000	2001	1,560	$141.03	3/2	N/A	Ranch	Renov.
Not	2908 Wild West	1.23	7/12/2017	$254,000	2003	1,554	$163.45	3/2	2 Garage/Wrkshp	Ranch	Renov.
Not	13851 Highland	5.00	9/13/2017	$240,000	1978	1,636	$146.70	4/2	3 Garage	Ranch	Renov.

		Adjoining Sales Adjusted								
Solar	**TAX ID/Address**	**Time**	**Acres**	**YB**	**GLA**	**BR/BA**	**Park**	**Note**	**Total**	**% Diff**
Adjoins	13670 Highland								$255,000	
Not	2901 Arrowsmith	$2,250	$10,000	$28,350	-$8,527	$5,000	-$10,000	$10,000	$262,073	-3%
Not	602 Butch Cassidy	-$2,200	$10,000	-$6,160	-$3,385	$5,000	$2,000		$225,255	12%
Not	2908 Wild West	$0	$10,000	-$10,668	-$3,432	$5,000	-$10,000		$244,900	4%
Not	13851 Highland	$0	$0	$31,920	-$9,095	$3,000	-$10,000		$255,825	0%
									Average	3%

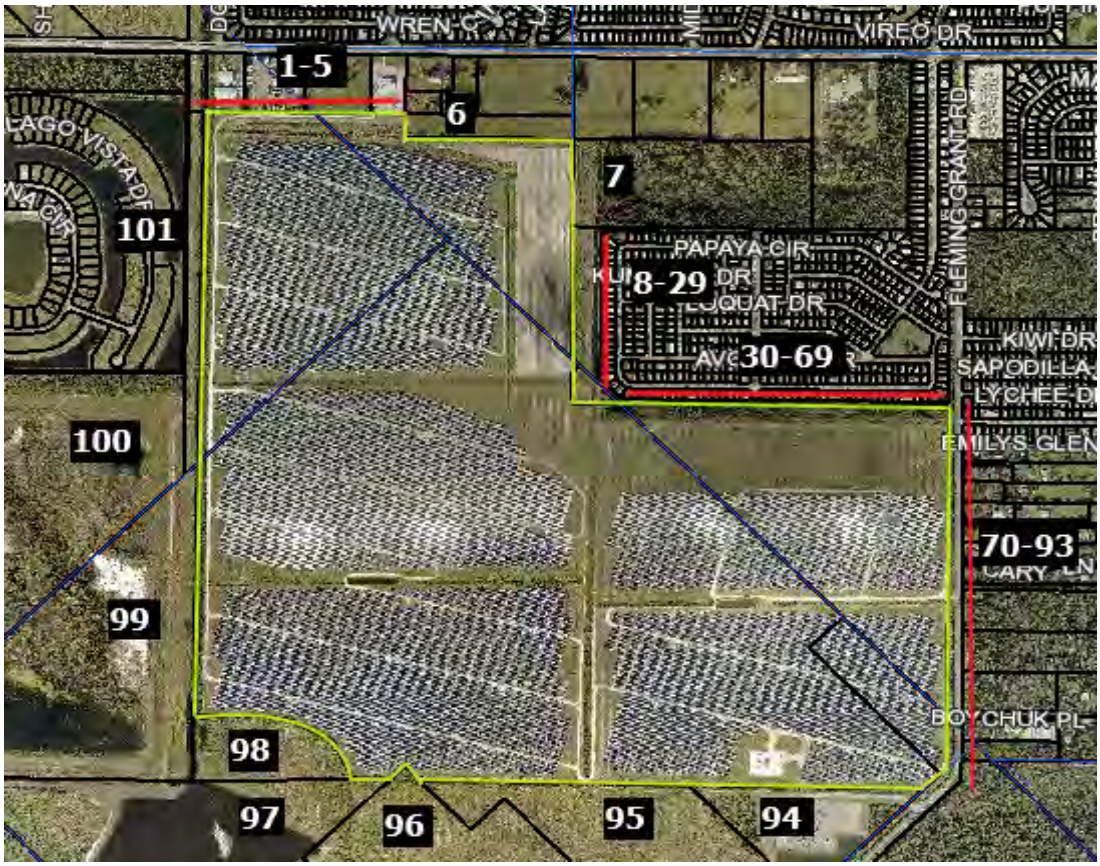
The sales prices of the comparables before adjustments range from $220,000 to $254,000. After adjustments they range from $225,255 to $262,073. The comparables range from no impact to a strong positive impact. The comparables showing -3% and +4% impact on value are considered within a typical range of value and therefore not indicative of any impact on property value.

This set of matched pair data falls in line with the data seen in other states. The closest solar panel to the home at 13670 Highland is 1,180 feet. There is a wooded buffer between these two properties.

I have included a map showing the relative location of these properties below.



2. Matched Pair – Barefoot Bay Solar Farm, Barefoot Bay, FL



This project is located on 504 acres for a 704.5 MW facility. Most of the adjoining uses are medium density residential with some lower density agricultural uses to the southwest. This project was built in 2018. There is a new subdivision under development to the west. The closest adjoining home is 235 feet from the nearest panel.

I have considered a number of recent home sales from the Barefoot Bay Golf Course in the Barefoot Bay Recreation District. There are a number of sales of these mobile/manufactured homes along the eastern boundary and the lower northern boundary. I have compared those home sales to other similar homes in the same community but without the exposure to the solar farm. Staying within the same community keeps location and amenity impacts consistent. I did avoid any comparison with home sales with golf course or lakefront views as that would introduce another variable.

The six manufactured/double wide homes shown below were each compared to three similar homes in the same community and are consistently showing no impact on the adjoining property values. Based on the photos from the listings, there is limited but some visibility of the solar farm to the east, but the canal and landscaping between are providing a good visual buffer and actually are commanding a premium over the non-canal homes.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
14	Adjoins	465 Papaya Cr	0.12	7/21/2019	$155,000	1993	1,104	$140.40	2/2	Drive	Manuf	Canal
	Not	1108 Navajo	0.14	2/27/2019	$129,000	1984	1,220	$105.74	2/2	Crprt	Manuf	Canal
	Not	1007 Barefoot	0.11	9/3/2020	$168,000	2005	1,052	$159.70	2/2	Crprt	Manuf	Canal
	Not	1132 Waterway	0.11	7/10/2020	$129,000	1982	1,012	$127.47	2/2	Crprt	Manuf	Canal

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
465 Papaya Cr							$155,000			765
1108 Navajo	$1,565	$5,805	-$9,812				$126,558	18%		
1007 Barefoot	-$5,804	-$10,080	$6,643				$158,759	-2%		
1132 Waterway	-$3,859	$7,095	$9,382				$141,618	9%		
									8%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
19	Adjoins	455 Papaya	0.12	9/1/2020	$183,500	2005	1,620	$113.27	3/2	Crprt	Manuf	Canal
	Not	938 Waterway	0.11	2/12/2020	$160,000	1986	1,705	$93.84	2/2	Crprt	Manuf	Canal
	Not	719 Barefoot	0.12	4/14/2020	$150,000	1996	1,635	$91.74	3/2	Crprt	Manuf	Canal
	Not	904 Fir	0.17	9/27/2020	$192,500	2010	1,626	$118.39	3/2	Crprt	Manuf	Canal

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
455 Papaya							$183,500			750
938 Waterway	$2,724	$15,200	-$6,381				$171,542	7%		
719 Barefoot	$1,770	$6,750	-$1,101				$157,419	14%		
904 Fir	-$422	-$4,813	-$568				$186,697	-2%		
									6%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
37	Adjoins	419 Papaya	0.09	7/16/2019	$127,500	1986	1,303	$97.85	2/2	Crprt	Manuf	Green
	Not	865 Tamarind	0.12	2/4/2019	$133,900	1995	1,368	$97.88	2/2	Crprt	Manuf	Green
	Not	501 Papaya	0.10	6/15/2018	$109,000	1986	1,234	$88.33	2/2	Crprt	Manuf	
	Not	418 Papaya	0.09	8/28/2019	$110,000	1987	1,248	$88.14	2/2	Crprt	Manuf	

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
419 Papaya							$127,500			690
865 Tamarind	$1,828	-$6,026	-$5,090				$124,613	2%		
501 Papaya	$3,637	$0	$4,876			$5,000	$122,513	4%		
418 Papaya	-$399	-$550	$3,878			$5,000	$117,930	8%		
									5%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
39	Adjoins	413 Papaya	0.09	7/16/2020	$130,000	2001	918	$141.61	2/2	Crprt	Manuf	Grn/Upd
	Not	341 Loquat	0.09	2/3/2020	$118,000	1985	989	$119.31	2/2	Crprt	Manuf	Full Upd
	Not	1119 Pocatella	0.19	1/5/2021	$120,000	1993	999	$120.12	2/2	Crprt	Manuf	Green
	Not	1367 Barefoot	0.10	1/12/2021	$130,500	1987	902	$144.68	2/2	Crprt	Manuf	Green/Upd

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
413 Papaya							$130,000			690
341 Loquat	$1,631	$9,440	-$6,777				$122,294	6%		
1119 Pocatella	-$1,749	$4,800	-$7,784			$5,000	$120,267	7%		
1367 Barefoot	-$1,979	$9,135	$1,852				$139,507	-7%		
									2%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
48	Adjoins	343 Papaya	0.09	12/17/2019	$145,000	1986	1,508	$96.15	3/2	Crprt	Manuf	Gn/Fc/Upd
	Not	865 Tamarind	0.12	2/4/2019	$133,900	1995	1,368	$97.88	2/2	Crprt	Manuf	Green
	Not	515 Papaya	0.09	3/22/2018	$145,000	2005	1,376	$105.38	3/2	Crprt	Manuf	Green
	Not	849 Tamarind	0.15	6/26/2019	$155,000	1997	1,716	$90.33	3/2	Crprt	Manuf	Grn/Fnce

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
343 Papaya							$145,000			690
865 Tamarind	$3,566	-$6,026	$10,963				$142,403	2%		
515 Papaya	$7,759	-$13,775	$11,128				$150,112	-4%		
849 Tamarind	$2,273	-$8,525	-$15,030			$5,000	$138,717	4%		
									1%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
52	Nearby	335 Papaya	0.09	4/17/2018	$110,000	1987	1,180	$93.22	2/2	Crprt	Manuf	Green
	Not	865 Tamarind	0.12	2/4/2019	$133,900	1995	1,368	$97.88	2/2	Crprt	Manuf	Green
	Not	501 Papaya	0.10	6/15/2018	$109,000	1986	1,234	$88.33	2/2	Crprt	Manuf	
	Not	604 Puffin	0.09	10/23/2018	$110,000	1988	1,320	$83.33	2/2	Crprt	Manuf	

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
335 Papaya							$110,000			710
865 Tamarind	-$3,306	-$5,356	-$14,721			$0	$110,517	0%		
501 Papaya	-$542	$545	-$3,816			$5,000	$110,187	0%		
604 Puffin	-$1,752	-$550	-$9,333			$5,000	$103,365	6%		
									2%	

I also identified a new subdivision being developed just to the west of this solar farm called The Lakes at Sebastian Preserve. These are all canal-lot homes that are being built with homes starting at $271,000 based on the website and closed sales showing up to $342,000. According to Monique, the onsite broker with Holiday Builders, the solar farm is difficult to see from the lots that back up to that area and she does not anticipate any difficulty in selling those future homes or lots or any impact on the sales price. The closest home that will be built in this development will be approximately 340 feet from the nearest panel.

Based on the closed home prices in Barefoot Bay as well as the broker comments and activity at The Lakes at Sebastian Preserve, the data around this solar farm strongly indicates no negative impact on property value.

3. Matched Pair – Miami-Dade Solar Farm, Miami, FL



This project is located on 346.80 acres for a 74.5 MW facility. All of the adjoining uses are agricultural and residential. This project was built in 2019. The closest adjoining home is 475 feet from the nearest panel.

I considered the recent sale of Parcel 26 to the south that sold for over $1.6 million dollars. This home is located on 4.2 acres with additional value in the palm trees according to the listing. The comparables include similar homes nearby that are all actually on larger lots and several include avocado or palm tree income as well. All of the comparables are in similar proximity to the subject and all have similar proximity to the Miami-Dade Executive airport that is located 2.5 miles to the east.

These sales are showing no impact on the value of the property from the adjoining solar farm.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
26	Adjoins	13600 SW 182nd	4.20	11/5/2020	$1,684,000	2008	6,427	$262.02	5/5.5	3 Gar	CBS Rnch	Pl/Guest
	Not	18090 SW 158th	5.73	10/8/2020	$1,050,000	1997	3,792	$276.90	5/4	3 Gar	CBS Rnch	
	Not	14311 SW 187th	4.70	10/22/2020	$1,100,000	2005	3,821	$287.88	6/5	3 Gar	CBS Rnch	Pool
	Not	17950 SW 158th	6.21	10/22/2020	$1,730,000	2000	6,917	$250.11	6/5.5	2 Gar	CBS Rnch	Pool

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
13600 SW 182nd								$1,684,000			1390
18090 SW 158th	$2,478		$57,750	$583,703	$30,000			$1,723,930	-2%		
14311 SW 187th	$1,298		$16,500	$600,178	$10,000			$1,727,976	-3%		
17950 SW 158th	$2,041		$69,200	-$98,043		$10,000		$1,713,199	-2%		
										-2%	

Conclusion – Florida

Florida Matched Pair Summary
Matched Pair Summary

	Name	City	State	Acres	MW	Topo Shift	Adj. Uses By Acreage: Res	Ag	Ag/Res	Com/Ind	1 mile Radius (2010-2020 Data): Population	Med. Income	Avg. Housing Unit
1	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667
2	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320
3	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571
	Average			677	74.67	7	13%	86%	0%	1%	874	$67,549	$279,519
	Median			504	74.50	0	11%	87%	0%	0%	127	$75,000	$291,667
	High			1,180	75.00	20	26%	97%	1%	3%	2,446	$90,909	$403,571
	Low			347	74.50	0	2%	74%	0%	0%	48	$36,737	$143,320

The median income for the population within 1 mile of a solar farm is $75,000 with a median housing unit value of $291,667. All of these comparable solar farms have homes within a 1-mile radius under $400,000 on average, though one of these solar farms has an adjoining home that sold for over $1.6 million. The adjoining uses show that residential and agricultural uses are the predominant adjoining uses.

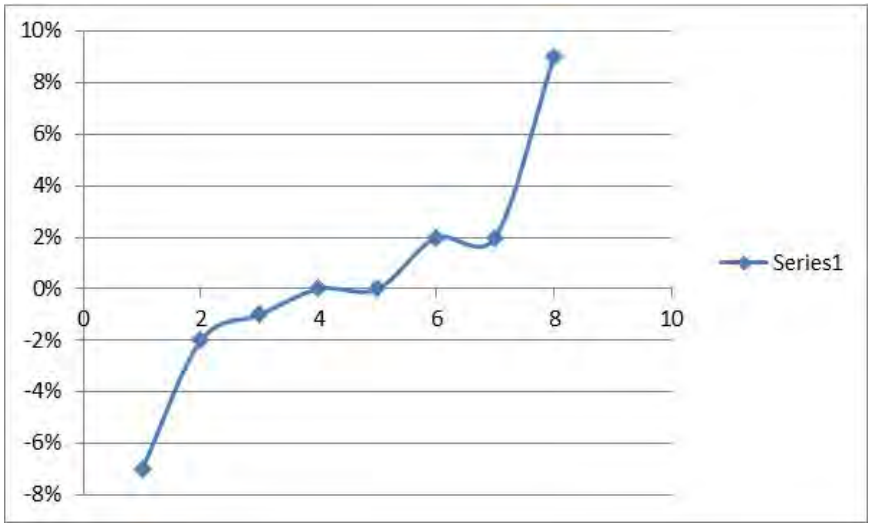
The demographics around the subject property are showing 35 population within a 1-mile radius of the center of the project with a median income of $100,000 and an average home value of $262,500. If I expand that out to a 3-mile radius the population is 2,635 with a median income of $80,979 and an average home value of $276,751.

Based on the similarity of adjoining uses and demographic data between these sites and the subject property, I consider it reasonable to compare these sites to the subject property. These solar farms are all of similar size and scale to the proposed solar farm which makes for a strong comparison.

Each of these solar farms has adjoining home sales that support a conclusion of no impact on adjoining property values.

The following pages show greater detail on these solar farms and how the 8 residential matched pairs from 3 solar farms were established.

Below I have shown those findings charted from smallest to largest to show that most of the findings are between +/-5% within typical market variation. There is one outlier above and one oulier below this range.



Residential Dwelling Matched Pairs Adjoining Solar Farms

Pair	Solar Farm	City	State	Area	MW	Approx Distance	Tax ID/Address	Sale Date	Sale Price	Adj. Sale Price	% Diff
1	Manatee	Parrish	FL	Rural	75	1180	13670 Highland	Aug-18	$255,000		
							13851 Highland	Sep-18	$240,000	$255,825	0%
2	Barefoot Bay	Barefoot Bay	FL	Suburban	74.5	765	465 Papaya	Jul-19	$155,000		
							1132 Waterway	Jul-20	$129,000	$141,618	9%
3	Barefoot Bay	Barefoot Bay	FL	Suburban	74.5	750	455 Papaya	Sep-20	$183,500		
							904 Fir	Sep-20	$192,500	$186,697	-2%
4	Barefoot Bay	Barefoot Bay	FL	Suburban	74.5	690	419 Papaya	Jul-19	$127,500		
							865 Tamarind	Feb-19	$133,900	$124,613	2%
5	Barefoot Bay	Barefoot Bay	FL	Suburban	74.5	690	413 Papaya	Jul-20	$130,000		
							1367 Barefoot	Jan-21	$130,500	$139,507	-7%
6	Barefoot Bay	Barefoot Bay	FL	Suburban	74.5	690	343 Papaya	Dec-19	$145,000		
							865 Tamarind	Feb-19	$133,900	$142,403	2%
7	Barefoot Bay	Barefoot Bay	FL	Suburban	74.5	710	335 Papaya	Apr-18	$110,000		
							865 Tamarind	Feb-19	$133,900	$110,517	0%
8	Miami-Dade	Miami	FL	Suburban	74.5	1390	13600 SW 182nd	Nov-20	$1,684,000		
							17950 SW 158th	Oct-20	$1,730,000	$1,713,199	-2%

	MW	Avg. Distance
Average	74.56	858
Median	74.50	730
High	75.00	1,390
Low	74.50	690

	% Dif
Average	0%
Median	0%
High	9%
Low	-7%

I also spoke with Rolando Ortiz with La Rosa Realty North Florida, LLC regarding a property that he was the buyer's agent on adjoining the Horizon Solar site in Archer/Putnam County. He represented a buyer that picked up this fenced pasture land with 20 acres for $150,000 on May 30, 2019. He is now representing that buyer in marketing this land for $180,000. According to Mr. Ortiz, they did not consider the solar farm as a negative in either the purchase or now in the marketing of the property.

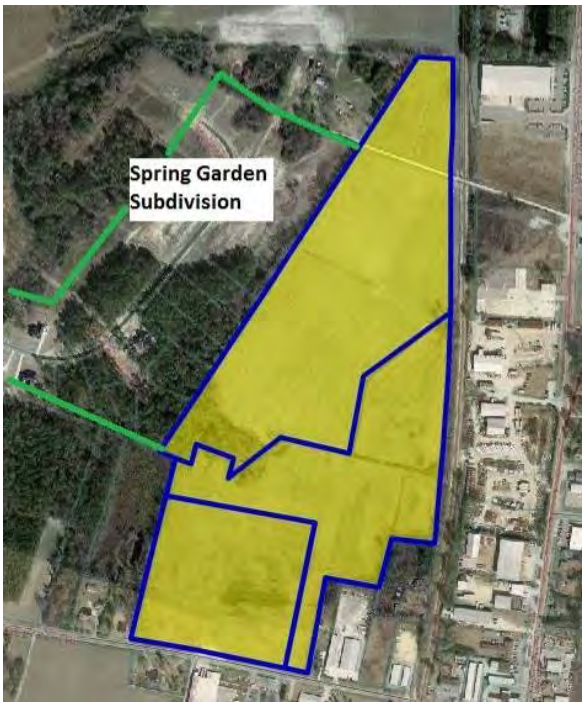
I also spoke with Century 21 Lakeside Realty about 21.38 acres located at 270 Price Road Hawthorne and adjoining the same Horizon Solar site in Archer/Putnam County. They were the selling agent and indicated that the solar farm had no impact on the marketing or sales price of this site. This property sold on July 23, 2020 for $75,000. This included a significant amount of unbuildable area, but also backed up to a secluded fishing pond.

I did not generate matched pairs for these land sales as land values in the area were highly variable due to fencing and unbuildable areas, which made locating usable matched pairs challenging. For example, even comparing these two land sales to each other, they are very similar in size, both have fencing in place, and both adjoin the solar farm but one sold for half the price of the other due to variations in the buildable area. Still the comments from the brokers reinforce the conclusions shown by the matched pairs noted above.

B. Southeastern USA Data – Over 5 MW

1. Matched Pair – AM Best Solar Farm, Goldsboro, NC

This 5 MW solar farm adjoins Spring Garden Subdivision which had new homes and lots available for new construction during the approval and construction of the solar farm. The recent home sales have ranged from $200,000 to $250,000. This subdivision sold out the last homes in late 2014. The solar farm is clearly visible particularly along the north end of this street where there is only a thin line of trees separating the solar farm from the single-family homes.

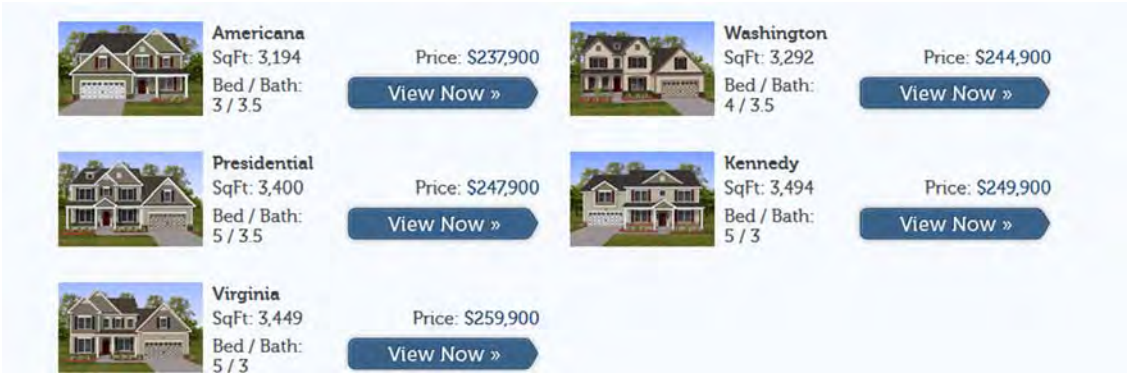


Homes backing up to the solar farm are selling at the same price for the same floor plan as the homes that do not back up to the solar farm in this subdivision. According to the builder, the solar farm has been a complete non-factor. Not only do the sales show no difference in the price paid for the various homes adjoining the solar farm versus not adjoining the solar farm, but there are actually more recent sales along the solar farm than not. There is no impact on the sellout rate, or time to sell for the homes adjoining the solar farm.

I spoke with a number of owners who adjoin the solar farm and none of them expressed any concern over the solar farm impacting their property value.

The data presented on the following page shows multiple homes that have sold in 2013 and 2014 adjoining the solar farm at prices similar to those not along the solar farm. These series of sales indicate that the solar farm has no impact on the adjoining residential use.

The homes that were marketed at Spring Garden are shown below.



The homes adjoining the solar farm are considered to have a light landscaping screen as it is a narrow row of existing pine trees supplemented with evergreen plantings.

Matched Pairs
As of Date: 9/3/2014

Adjoining Sales After Solar Farm Completed

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	Style
3600195570	Helm	0.76	Sep-13	$250,000	2013	3,292	$75.94	2 Story
3600195361	Leak	1.49	Sep-13	$260,000	2013	3,652	$71.19	2 Story
3600199891	McBrayer	2.24	Jul-14	$250,000	2014	3,292	$75.94	2 Story
3600198632	Foresman	1.13	Aug-14	$253,000	2014	3,400	$74.41	2 Story
3600196656	Hinson	0.75	Dec-13	$255,000	2013	3,453	$73.85	2 Story
	Average	1.27		$253,600	2013.4	3,418	$74.27	
	Median	1.13		$253,000	2013	3,400	$74.41	

Adjoining Sales After Solar Farm Announced

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	Style
0	Feddersen	1.56	Feb-13	$247,000	2012	3,427	$72.07	Ranch
0	Gentry	1.42	Apr-13	$245,000	2013	3,400	$72.06	2 Story
	Average	1.49		$246,000	2012.5	3,414	$72.07	
	Median	1.49		$246,000	2012.5	3,414	$72.07	

Adjoining Sales Before Solar Farm Announced

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	Style
3600183905	Carter	1.57	Dec-12	$240,000	2012	3,347	$71.71	1.5 Story
3600193097	Kelly	1.61	Sep-12	$198,000	2012	2,532	$78.20	2 Story
3600194189	Hadwan	1.55	Nov-12	$240,000	2012	3,433	$69.91	1.5 Story
	Average	1.59		$219,000	2012	2,940	$74.95	
	Median	1.59		$219,000	2012	2,940	$74.95	

Nearby Sales After Solar Farm Completed

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	Style
3600193710	Barnes	1.12	Oct-13	$248,000	2013	3,400	$72.94	2 Story
3601105180	Nackley	0.95	Dec-13	$253,000	2013	3,400	$74.41	2 Story
3600192528	Mattheis	1.12	Oct-13	$238,000	2013	3,194	$74.51	2 Story
3600198928	Beckman	0.93	Mar-14	$250,000	2014	3,292	$75.94	2 Story
3600196965	Hough	0.81	Jun-14	$224,000	2014	2,434	$92.03	2 Story
3600193914	Preskitt	0.67	Jun-14	$242,000	2014	2,825	$85.66	2 Story
3600194813	Bordner	0.91	Apr-14	$258,000	2014	3,511	$73.48	2 Story
3601104147	Shaffer	0.73	Apr-14	$255,000	2014	3,453	$73.85	2 Story
	Average	0.91		$246,000	2013.625	3,189	$77.85	
	Median	0.92		$249,000	2014	3,346	$74.46	

Nearby Sales Before Solar Farm Announced

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	Style
3600191437	Thomas	1.12	Sep-12	$225,000	2012	3,276	$68.68	2 Story
3600087968	Lilley	1.15	Jan-13	$238,000	2012	3,421	$69.57	1.5 Story
3600087654	Burke	1.26	Sep-12	$240,000	2012	3,543	$67.74	2 Story
3600088796	Hobbs	0.73	Sep-12	$228,000	2012	3,254	$70.07	2 Story
	Average	1.07		$232,750	2012	3,374	$69.01	
	Median	1.14		$233,000	2012	3,349	$69.13	

Matched Pair Summary

	Adjoins Solar Farm		Nearby Solar Farm	
	Average	**Median**	**Average**	**Median**
Sales Price	$253,600	$253,000	$246,000	$249,000
Year Built	2013	2013	2014	2014
Size	3,418	3,400	3,189	3,346
Price/SF	$74.27	$74.41	$77.85	$74.46

Percentage Differences

Median Price	-2%
Median Size	-2%
Median Price/SF	0%

I note that 2308 Granville Drive sold again in November 2015 for $267,500, or $7,500 more than when it was purchased new from the builder two years earlier (Tax ID 3600195361, Owner: Leak). The neighborhood is clearly showing appreciation for homes adjoining the solar farm.

The Median Price is the best indicator to follow in any analysis as it avoids outlying samples that would otherwise skew the results. The median sizes and median prices are all consistent throughout the sales both before and after the solar farm whether you look at sites adjoining or nearby to the solar farm. The average size for the homes nearby the solar farm shows a smaller building size and a higher price per square foot. This reflects a common occurrence in real estate where the price per square foot goes up as the size goes down. So even comparing averages the indication is for no impact, but I rely on the median rates as the most reliable indication for any such analysis.

I have also considered four more recent resales of homes in this community as shown on the following page. These comparable sales adjoin the solar farm at distances ranging from 315 to 400 feet. The matched pairs show a range from -9% to +6%. The range of the average difference is -2% to +1% with an average of 0% and a median of +0.5%. These comparable sales support a finding of no impact on property value.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	103 Granville Pl	1.42	7/27/2018	$265,000	2013	3,292	$80.50	4/3.5	2-Car	2-Story		385
	Not	2219 Granville	1.15	1/8/2018	$260,000	2012	3,292	$78.98	4/3.5	2-Car	2-Story		
	Not	634 Friendly	0.96	7/31/2019	$267,000	2018	3,053	$87.45	4/4.5	2-Car	2-Story		
	Not	2403 Granville	0.69	4/23/2019	$265,000	2014	2,816	$94.11	5/3.5	2-Car	2-Story		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	103 Granville Pl								$265,000		-2%
Not	2219 Granville	$4,382		$1,300	$0				$265,682	0%	
Not	634 Friendly	-$8,303		-$6,675	$16,721	-$10,000			$258,744	2%	
Not	2403 Granville	-$6,029		-$1,325	$31,356				$289,001	-9%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	104 Erin	2.24	6/19/2017	$280,000	2014	3,549	$78.90	5/3.5	2-Car	2-Story		315
	Not	2219 Granville	1.15	1/8/2018	$260,000	2012	3,292	$78.98	4/3.5	2-Car	2-Story		
	Not	634 Friendly	0.96	7/31/2019	$267,000	2018	3,053	$87.45	4/4.5	2-Car	2-Story		
	Not	2403 Granville	0.69	4/23/2019	$265,000	2014	2,816	$94.11	5/3.5	2-Car	2-Story		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	104 Erin								$280,000		0%
Not	2219 Granville	-$4,448		$2,600	$16,238				$274,390	2%	
Not	634 Friendly	-$17,370		-$5,340	$34,702	-$10,000			$268,992	4%	
Not	2403 Granville	-$15,029		$0	$48,285				$298,256	-7%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	2312 Granville	0.75	5/1/2018	$284,900	2013	3,453	$82.51	5/3.5	2-Car	2-Story		400
	Not	2219 Granville	1.15	1/8/2018	$260,000	2012	3,292	$78.98	4/3.5	2-Car	2-Story		
	Not	634 Friendly	0.96	7/31/2019	$267,000	2018	3,053	$87.45	4/4.5	2-Car	2-Story		
	Not	2403 Granville	0.69	4/23/2019	$265,000	2014	2,816	$94.11	5/3.5	2-Car	2-Story		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	2312 Granville								$284,900		1%
Not	2219 Granville	$2,476		$1,300	$10,173				$273,948	4%	
Not	634 Friendly	-$10,260		-$6,675	$27,986	-$10,000			$268,051	6%	
Not	2403 Granville	-$7,972		-$1,325	$47,956				$303,659	-7%	

Adjoining Residential Sales After Solar Farm Approved

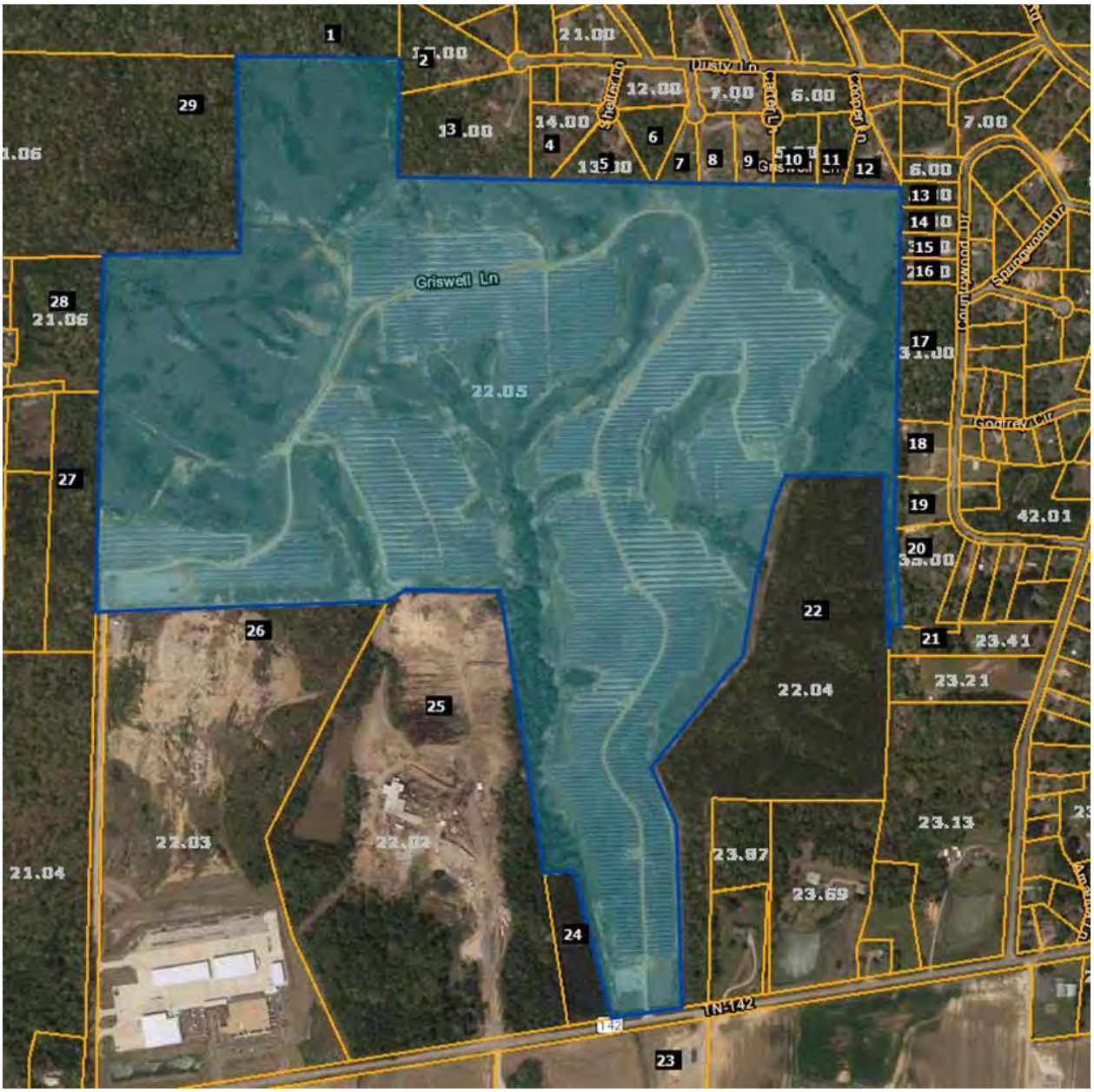
Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	2310 Granville	0.76	5/14/2019	$280,000	2013	3,292	$85.05	5/3.5	2-Car	2-Story		400
	Not	2219 Granville	1.15	1/8/2018	$260,000	2012	3,292	$78.98	4/3.5	2-Car	2-Story		
	Not	634 Friendly	0.96	7/31/2019	$267,000	2018	3,053	$87.45	4/4.5	2-Car	2-Story		
	Not	2403 Granville	0.69	4/23/2019	$265,000	2014	2,816	$94.11	5/3.5	2-Car	2-Story		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	2310 Granville								$280,000		1%
Not	2219 Granville	$10,758		$1,300	$0				$272,058	3%	
Not	634 Friendly	-$1,755		-$6,675	$16,721	-$10,000			$265,291	5%	
Not	2403 Granville	$469		-$1,325	$31,356				$295,500	-6%	

I have also considered the original sales prices in this subdivision relative to the recent resale values as shown in the chart below. This rate of appreciation is right at 2.5% over the last 6 years. Zillow indicates that the average home value within the 27530-zip code as of January 2014 was $101,300 and as of January 2020 that average is $118,100. This indicates an average increase in the market of 2.37%. I conclude that the appreciation of the homes adjoining the solar farm are not impacted by the presence of the solar farm based on this data.

	Address	Initial Sale Date	Price	Second Sale Date	Price	Year Diff	Apprec.	% Apprec.	Apprec. %/Year
1	103 Granville Pl	4/1/2013	$245,000	7/27/2018	$265,000	5.32	$20,000	8.16%	1.53%
2	105 Erin	7/1/2014	$250,000	6/19/2017	$280,000	2.97	$30,000	12.00%	4.04%
3	2312 Granville	12/1/2013	$255,000	5/1/2015	$262,000	1.41	$7,000	2.75%	1.94%
4	2312 Granville	5/1/2015	$262,000	5/1/2018	$284,900	3.00	$22,900	8.74%	2.91%
5	2310 Granville	8/1/2013	$250,000	5/14/2019	$280,000	5.79	$30,000	12.00%	2.07%
6	2308 Granville	9/1/2013	$260,000	11/12/2015	$267,500	2.20	$7,500	2.88%	1.31%
7	2304 Granville	9/1/2012	$198,000	6/1/2017	$225,000	4.75	$27,000	13.64%	2.87%
8	102 Erin	8/1/2014	$253,000	11/1/2016	$270,000	2.25	$17,000	6.72%	2.98%
								Average	2.46%
								Median	2.47%

2. Matched Pair – Mulberry, Selmer, TN



This 16 MW solar farm was built in 2014 on 208.89 acres with the closest home being 480 feet.

This solar farm adjoins two subdivisions with Central Hills having a mix of existing and new construction homes. Lots in this development have been marketed for $15,000 each with discounts offered for multiple lots being used for a single home site. I spoke with the agent with Rhonda Wheeler and Becky Hearnsberger with United County Farm & Home Realty who noted that they have seen no impact on lot or home sales due to the solar farm in this community.

I have included a map below as well as data on recent sales activity on lots that adjoin the solar farm or are near the solar farm in this subdivision both before and after the announced plan for this solar farm facility. I note that using the same method I used to breakdown the adjoining uses at the subject property I show that the predominant adjoining uses are residential and agricultural, which is consistent with the location of most solar farms.

Adjoining Use Breakdown

	Acreage	Parcels
Commercial	3.40%	0.034
Residential	12.84%	79.31%
Agri/Res	10.39%	3.45%
Agricultural	73.37%	13.79%
Total	**100.00%**	**100.00%**

I have run a number of direct matched comparisons on the sales adjoining this solar farm as shown below. These direct matched pairs include some of those shown above as well as additional more recent sales in this community. In each of these I have compared the one sale adjoining the solar farm to multiple similar homes nearby that do not adjoin a solar farm to look for any potential impact from the solar farm.

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
3	Adjoins	491 Dusty	6.86	10/28/2016	$176,000	2009	1,801	$97.72	3/2	2-Gar	Ranch	
	Not	820 Lake Trail	1.00	6/8/2018	$168,000	2013	1,869	$89.89	4/2	2-Gar	Ranch	
	Not	262 Country	1.00	1/17/2018	$145,000	2000	1,860	$77.96	3/2	2-Gar	Ranch	
	Not	35 April	1.15	8/16/2016	$185,000	2016	1,980	$93.43	3/2	2-Gar	Ranch	

Adjoining Sales Adjusted

Parcel	Solar	Address	Time	Site	YB	GLA	Park	Other	Total	% Diff	Distance
3	Adjoins	491 Dusty							$176,000		480
	Not	820 Lake Trail	-$8,324	$12,000	-$3,360	-$4,890			$163,426	7%	
	Not	262 Country	-$5,450	$12,000	$6,525	-$3,680			$154,396	12%	
	Not	35 April	$1,138	$12,000	-$6,475	-$13,380			$178,283	-1%	
									Average	6%	

The best matched pair is 35 April Loop, which required the least adjustment and indicates a -1% increase in value due to the solar farm adjacency.

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
12	Adjoins	57 Cooper	1.20	2/26/2019	$163,000	2011	1,586	$102.77	3/2	2-Gar	1.5 Story	Pool
	Not	191 Amelia	1.00	8/3/2018	$132,000	2005	1,534	$86.05	3/2	Drive	Ranch	
	Not	75 April	0.85	3/17/2017	$134,000	2012	1,588	$84.38	3/2	2-Crprt	Ranch	
	Not	345 Woodland	1.15	12/29/2016	$131,000	2002	1,410	$92.91	3/2	1-Gar	Ranch	

Adjoining Sales Adjusted

Parcel	Solar	Address	Sales Price	Time	Site	YB	GLA	Park	Other	Total	% Diff	Distance
12	Adjoins	57 Cooper	$163,000							$163,000		685
	Not	191 Amelia	$132,000	$2,303		$3,960	$2,685	$10,000	$5,000	$155,947	4%	
	Not	75 April	$134,000	$8,029	$4,000	-$670	-$135	$5,000	$5,000	$155,224	5%	
	Not	345 Woodland	$131,000	$8,710		$5,895	$9,811		$5,000	$160,416	2%	
										Average	4%	

The best matched pair is 191 Amelia, which was most similar in time frame of sale and indicates a +4% increase in value due to the solar farm adjacency.

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
15	Adjoins	297 Country	1.00	9/30/2016	$150,000	2002	1,596	$93.98	3/2	4-Gar	Ranch	
	Not	185 Dusty	1.85	8/17/2015	$126,040	2009	1,463	$86.15	3/2	2-Gar	Ranch	
	Not	53 Glen	1.13	3/9/2017	$126,000	1999	1,475	$85.42	3/2	2-Gar	Ranch	Brick

Adjoining Sales Adjusted

Parcel	Solar	Address	Sales Price	Time	Site	YB	GLA	Park	Other	Total	% Diff	Distance
15	Adjoins	297 Country	$150,000							$150,000		650
	Not	185 Dusty	$126,040	$4,355		-$4,411	$9,167	$10,000		$145,150	3%	
	Not	53 Glen	$126,000	-$1,699		$1,890	$8,269	$10,000		$144,460	4%	
										Average	3%	

The best matched pair is 53 Glen, which was most similar in time frame of sale and required less adjustment. It indicates a +4% increase in value due to the solar farm adjacency.

The average indicated impact from these three sets of matched pairs is +4%, which suggests a mild positive relationship due to adjacency to the solar farm. The landscaping buffer for this project is mostly natural tree growth that was retained as part of the development but much of the trees separating the panels from homes are actually on the lots for the homes themselves. I therefore consider the landscaping buffer to be thin to moderate for these adjoining homes.

I have also looked at several lot sales in this subdivision as shown below.

These are all lots within the same community and the highest prices paid are for lots one parcel off from the existing solar farm. These prices are fairly inconsistent, though they do suggest about a $3,000 loss in the lots adjoining the solar farm. This is an atypical finding and additional details suggest there is more going on in these sales than the data crunching shows. First of all Parcel 4 was purchased by the owner of the adjoining home and therefore an atypical buyer seeking to expand a lot and the site is not being purchased for home development. Moreover, using the SiteToDoBusiness demographic tools, I found that the 1-mile radius around this development is expecting a total population increase over the next 5 years of 3 people. This lack of growing demand for lots is largely explained in that context. Furthermore, the fact that finished home sales as shown above are showing no sign of a negative impact on property value makes this data unreliable and inconsistent with the data shown in sales to an end user. I therefore place little weight on this outlier data.

Parcel	Solar	Address	Acres	Date Sold	Sales Price	4/18/2019 Adj for Time	$/AC	4/18/2019 Adj for Time
4	Adjoins	Shelter	2.05	10/25/2017	$16,000	$16,728	$7,805	$8,160
10	Adjoins	Carter	1.70	8/2/2018	$14,000	$14,306	$8,235	$8,415
11	Adjoins	Cooper	1.28	9/17/2018	$12,000	$12,215	$9,375	$9,543
	Not	75 Dusty	1.67	4/18/2019	$20,000	$20,000	$11,976	$11,976
	Not	Lake Trl	1.47	11/7/2018	$13,000	$13,177	$8,844	$8,964
	Not	Lake Trl	1.67	4/18/2019	$20,000	$20,000	$11,976	$11,976

	Adjoins	Per Acre	Not Adjoins	Per Acre	% DIF/Lot	% DIF/AC
Average	$14,416	$8,706	$17,726	$10,972	19%	21%
Median	$14,306	$8,415	$20,000	$11,976	28%	30%
High	$16,728	$9,543	$20,000	$11,976	16%	20%
Low	$12,215	$8,160	$13,177	$8,964	7%	9%

3. Matched Pair – Leonard Road Solar Farm, Hughesville, MD



This 5 MW solar farm is located on 47 acres and mostly adjoins agricultural and residential uses to the west, south and east as shown above. The property also adjoins retail uses and a church. I looked at a 2016 sale of an adjoining home with a positive impact on value adjoining the solar farm of 2.90%. This is within typical market friction and supports an indication of no impact on property value.

I have shown this data below. The landscaping buffer is considered heavy.

Leonardtown Road Solar Farm, Hughesville, MD

Nearby Residential Sale After Solar Farm Construction

Address	Solar Farm	Acres	Date Sold	Sales Price*	Built	GBA	$/GBA	Style	BR/BA	Bsmt	Park	Upgrades	Other
14595 Box Elder Ct	Adjoins	3.00	2/12/2016	$291,000	1991	2,174	$133.85	Colonial	5/2.5	No	2 Car Att	N/A	Deck
15313 Bassford Rd	Not	3.32	7/20/2016	$329,800	1990	2,520	$130.87	Colonial	3/2.5	Finished	2 Car Att	Custom	Scr Por/Patio

*$9,000 concession deducted from sale price for Box Elder and $10,200 deducted from Bassford

Adjoining Sales Adjusted			Adjustments					
Address	Date Sold	Sales Price	Time	GLA	Bsmt	Upgrades	Other	Total
14595 Box Elder Ct	2/12/2016	$291,000						$291,000
15313 Bassford Rd	7/20/2016	$329,800	-$3,400	-$13,840	-$10,000	-$15,000	-$5,000	$282,560

Difference Attributable to Location $8,440
2.90%

This is within typical market friction and supports an indication of no impact on property value.

4. Matched Pair – Gastonia SC Solar, Gastonia, NC





This 5 MW project is located on the south side of Neal Hawkins Road just outside of Gastonia. The property identified above as Parcel 4 was listed for sale while this solar farm project was going

through the approval process. The property was put under contract during the permitting process with the permit being approved while the due diligence period was still ongoing. After the permit was approved the property closed with no concerns from the buyer. I spoke with Jennifer Bouvier, the broker listing the property and she indicated that the solar farm had no impact at all on the sales price. She considered some nearby sales to set the price and the closing price was very similar to the asking price within the typical range for the market. The buyer was aware that the solar farm was coming and they had no concerns.

This two-story brick dwelling was sold on March 20, 2017 for $270,000 for a 3,437 square foot dwelling built in 1934 in average condition on 1.42 acres. The property has four bedrooms and two bathrooms. The landscaping screen is light for this adjoining home due to it being a new planted landscaping buffer.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	609 Neal Hawkins	1.42	3/20/2017	$270,000	1934	3,427	$78.79	4/2	Open	2-Brick	
Not	1418 N Modena	4.81	4/17/2018	$225,000	1930	2,906	$77.43	3/3	2-Crprt	2-Brick	
Not	363 Dallas Bess	2.90	11/29/2018	$265,500	1968	2,964	$89.57	3/3	Open	FinBsmt	
Not	1612 Dallas Chry	2.74	9/17/2018	$245,000	1951	3,443	$71.16	3/2	Open	2-Brick	Unfin bath

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
609 Neal Hawkins								$270,000			225
1418 N Modena	$7,319		$2,700	$32,271		-$10,000		$257,290	5%		
363 Dallas Bess	$746		-$27,081	$33,179	-$10,000		$53,100	$262,456	3%		
1612 Dallas Chry	$4,110		-$12,495	-$911			$10,000	$235,704	13%		
										7%	

I also considered the newer adjoining home identified as Parcel 5 that sold later in 2017 and it likewise shows no negative impact on property value. This is also considered a light landscaping buffer.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style
Adjoins	611 Neal Hawkins	0.78	7/6/2017	$288,000	1991	2,256	$127.66	5/3	2-Gar	1.5 Brick
Not	1211 Still Frst	0.51	7/30/2018	$280,000	1989	2,249	$124.50	3/3	2-Gar	Br Rnch
Not	2867 Colony Wds	0.52	8/14/2018	$242,000	1990	2,006	$120.64	3/3	2-Gar	Br Rnch
Not	1010 Strawberry	1.00	10/4/2018	$315,000	2002	2,330	$135.19	3/2.5	2-Gar	1.5 Brick

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
611 Neal Hawkins								$288,000			145
1211 Still Frst	$1,341		$2,800	$697				$284,838	1%		
2867 Colony Wds	$7,714		$1,210	$24,128				$275,052	4%		
1010 Strawberry	-$4,555		-$17,325	-$8,003	$5,000			$290,116	-1%		
										2%	

5. Matched Pair – Summit/Ranchlands Solar, Moyock, NC





This project is located at 1374 Caritoke Highway, Moyock, NC. This is an 80 MW facility on a parent tract of 2,034 acres. Parcels Number 48 and 53 as shown in the map above were sold in 2016. The project was under construction during the time period of the first of the matched pair sales and the permit was approved well prior to that in 2015.

I looked at multiple sales of adjoining and nearby homes and compared each to multiple comparables to show a range of impacts from -10% up to +11% with an average of +2% and a median of +3%. These ranges are well within typical real estate variation and supports an indication of no impact on property value.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
48	Adjoins	129 Pinto	4.29	4/15/2016	$170,000	1985	1,559	$109.04	3/2	Drive	MFG		1,060
	Not	102 Timber	1.30	4/1/2016	$175,500	2009	1,352	$129.81	3/2	Drive	MFG		
	Not	120 Ranchland	0.99	10/1/2014	$170,000	2002	1,501	$113.26	3/2	Drive	MFG		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	129 Pinto								$170,000		-3%
Not	102 Timber	$276	$10,000	-$29,484	$18,809				$175,101	-3%	
Not	120 Ranchland	$10,735	$10,000	-$20,230	$4,598				$175,103	-3%	

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	105 Pinto	4.99	12/16/2016	$206,000	1978	1,484	$138.81	3/2	Det G	Ranch	
Not	111 Spur	1.15	2/1/2016	$193,000	1985	2,013	$95.88	4/2	Gar	Ranch	
Not	103 Marshall	1.07	3/29/2017	$196,000	2003	1,620	$120.99	3/2	Drive	Ranch	
Not	127 Ranchland	0.00	6/9/2015	$219,900	1988	1,910	$115.13	3/2	Gar/3Det	Ranch	

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
105 Pinto								$206,000			980
111 Spur	$6,747	$10,000	-$6,755	-$25,359				$177,633	14%		
103 Marshall	-$2,212	$10,000	-$24,500	-$8,227		$5,000		$176,212	14%		
127 Ranchland	$13,399	$10,000	-$10,995	-$24,523		-$10,000		$197,781	4%		
										11%	

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
15	Adjoins	318 Green View	0.44	9/15/2019	$357,000	2005	3,460	$103.18	4/4	2-Car	1.5 Brick		570
	Not	195 St Andrews	0.55	6/17/2018	$314,000	2002	3,561	$88.18	5/3	2-Car	2.0 Brick		
	Not	336 Green View	0.64	1/13/2019	$365,000	2006	3,790	$96.31	6/4	3-Car	2.0 Brick		
	Not	275 Green View	0.36	8/15/2019	$312,000	2003	3,100	$100.65	5/3	2-Car	2.0 Brick		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	318 Green View								$357,000		4%
Not	195 St Andrews	$12,040		$4,710	-$7,125	$10,000			$333,625	7%	
Not	336 Green View	$7,536		-$1,825	-$25,425			-$5,000	$340,286	5%	
Not	275 Green View	$815		$3,120	$28,986	$10,000			$354,921	1%	

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
29	Adjoins	164 Ranchland	1.01	4/30/2019	$169,000	1999	2,052	$82.36	4/2	Gar	MFG		440
	Not	150 Pinto	0.94	3/27/2018	$168,000	2017	1,920	$87.50	4/2	Drive	MFG		
	Not	105 Longhorn	1.90	10/10/2017	$184,500	2002	1,944	$94.91	3/2	Drive	MFG		
	Not	112 Pinto	1.00	7/27/2018	$180,000	2002	1,836	$98.04	3/2	Drive	MFG	Fenced	

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	164 Ranchland								$169,000		-10%
Not	150 Pinto	$5,649		-$21,168	$8,085			$5,000	$165,566	2%	
Not	105 Longhorn	$8,816	-$10,000	-$3,875	$7,175			$5,000	$191,616	-13%	
Not	112 Pinto	$4,202		-$3,780	$14,824			$5,000	$200,245	-18%	

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	358 Oxford	10.03	9/16/2019	$478,000	2008	2,726	$175.35	3/3	2 Gar	Ranch		635
	Not	276 Summit	10.01	12/20/2017	$355,000	2006	1,985	$178.84	3/2	2 Gar	Ranch		
	Not	176 Providence	6.19	5/6/2019	$425,000	1990	2,549	$166.73	3/3	4 Gar	Ranch	Brick	
	Not	1601 B Caratoke	12.20	9/26/2019	$440,000	2016	3,100	$141.94	4/3.5	5 Gar	Ranch	Pool	

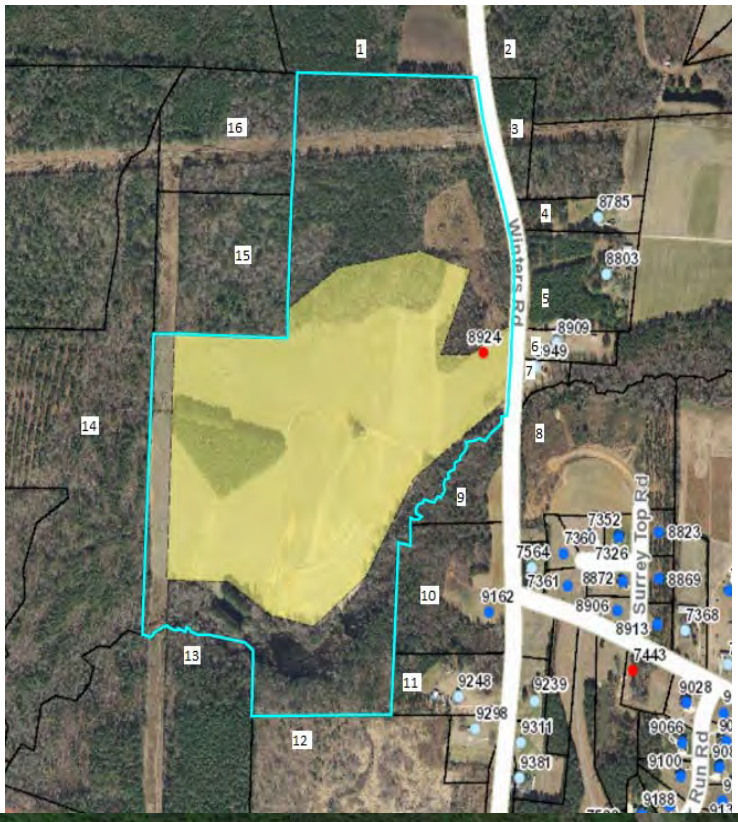
Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	358 Oxford								$478,000		5%
Not	276 Summit	$18,996		$3,550	$106,017	$10,000			$493,564	-3%	
Not	176 Providence	$4,763		$38,250	$23,609		-$10,000	-$25,000	$456,623	4%	
Not	1601 B Caratoke	-$371	$50,000	-$17,600	-$42,467	-$5,000	-$10,000		$414,562	13%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
	Nearby	343 Oxford	10.01	3/9/2017	$490,000	2016	3,753	$130.56	3/3	2 Gar	1.5 Story	Pool	970
	Not	287 Oxford	10.01	9/4/2017	$600,000	2013	4,341	$138.22	5/4.5	8-Gar	1.5 Story	Pool	
	Not	301 Oxford	10.00	4/23/2018	$434,000	2013	3,393	$127.91	5/3	2 Gar	1.5 Story		
	Not	218 Oxford	10.01	4/4/2017	$525,000	2006	4,215	$124.56	4/3	4 Gar	1.5 Story	VG Barn	

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	343 Oxford								$490,000		3%
Not	287 Oxford	-$9,051		$9,000	-$65,017	-$15,000	-$25,000		$494,932	-1%	
Not	301 Oxford	-$14,995	-$10,000	$6,510	$36,838				$452,353	8%	
Not	218 Oxford	-$1,150		$26,250	-$46,036		-$10,000	-$10,000	$484,064	1%	

6. Matched Pair – Tracy Solar, Bailey, NC





This project is located in rural Nash County on Winters Road with a 5 MW facility that was built in 2016 on 50 acres. A local builder acquired parcels 9 and 10 following construction as shown below

at rates comparable to other tracts in the area. They then built a custom home for an owner and sold that at a price similar to other nearby homes as shown in the matched pair data below. The retained woods provide a heavy landscaped buffer for this homesite.

Adjoining Land Sales After Solar Farm Completed

#	Solar Farm	TAX ID	Grantor	Grantee	Address	Acres	Date Sold	Sales Price	$/AC	Other
9 &10	Adjoins	316003 & 316004	Cozart	Kingsmill	9162 Winters	13.22	7/21/2016	$70,000	$5,295	
	Not	6056	Billingsly		427 Young	41	10/21/2016	$164,000	$4,000	
	Not	33211	Fulcher	Weikel	10533 Cone	23.46	7/18/2017	$137,000	$5,840	Doublewide, structures
	Not	106807	Perry	Gardner	Claude Lewis	11.22	8/10/2017	$79,000	$7,041	Gravel drive for sub, cleared
	Not	3437	Vaughan	N/A	11354 Old Lewis Sch	18.73	Listing	$79,900	$4,266	Small cemetery,wooded

Adjoining Sales Adjusted

Time	Acres	Location	Other	Adj $/Ac	% Diff
				$5,295	
$0	$400	$0	$0	$4,400	17%
-$292	$292	$0	-$500	$5,340	-1%
-$352	$0	$0	-$1,000	$5,689	-7%
-$213	$0	$0	$213	$4,266	19%
				Average	7%

Adjoining Residential Sales After Solar Farm Completed

#	Solar Farm	n	Address	Acres	Date Sold	Sales Price	Built	GLA	$/GLA	BR/BA	Style	Other
9 &10	Adjoins	gs	9162 Winters	13.22	1/5/2017	$255,000	2016	1,616	$157.80	3/2	Ranch	1296 sf wrkshp
	Not	w	7352 Red Fox	0.93	6/30/2016	$176,000	2010	1,529	$115.11	3/2	2-story	

Adjoining Sales Adjusted

Time	Acres	YB	GLA	Style	Other	Total	% Diff
						$255,000	
$0	$44,000	$7,392	$5,007	$5,000	$15,000	$252,399	1%

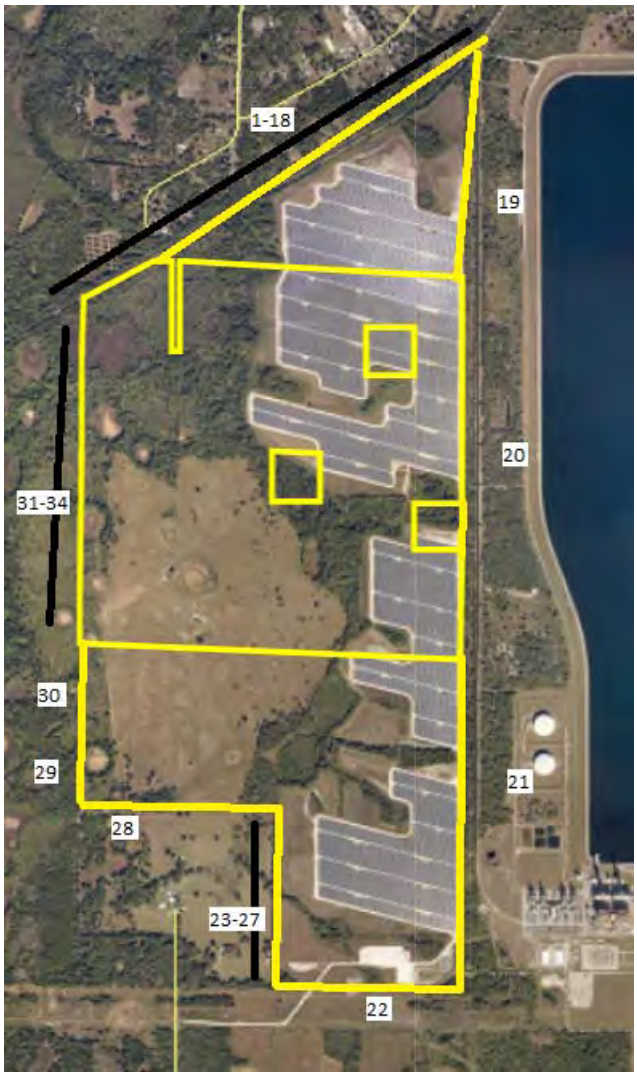
The comparables for the land show either a significant positive relationship or a mild negative relationship to having and adjoining solar farm, but when averaged together they show no negative impact. The wild divergence is due to the difficulty in comping out this tract of land and the wide variety of comparables used. The two comparables that show mild negative influences include a property that was partly developed as a residential subdivision and the other included a doublewide with some value and accessory agricultural structures. The tax assessed value on the improvements were valued at $60,000. So both of those comparables have some limitations for comparison. The two that show significant enhancement due to adjacency includes a property with a cemetery located in the middle and the other is a tract almost twice as large. Still that larger tract after adjustment provides the best matched pair as it required the least adjustment. I therefore conclude that there is no negative impact due to adjacency to the solar farm shown by this matched pair.

The dwelling that was built on the site was a build-to-suit and was compared to a nearby homesale of a property on a smaller parcel of land. I adjusted for that differenced based on a $25,000 value for a 1-acre home site versus the $70,000 purchase price of the larger subject tract. The other adjustments are typical and show no impact due to the adjacency to the solar farm.

The closest solar panel to the home is 780 feet away.

I note that the representative for Kingsmill Homes indicated that the solar farm was never a concern in purchasing the land or selling the home. He also indicated that they had built a number of nearby homes across the street and it had never come up as an issue.

7. Matched Pair – Manatee Solar Farm, Parrish, FL



This solar farm is located near Seminole Trail, Parrish, FL. The solar farm has a 74.50 MW output and is located on a 1,180.38-acre tract and was built in 2016. The tract is owned by Florida Power & Light Company.

I have considered the recent sale of 13670 Highland Road, Wimauma, Florida. This one-story, concrete block home is located just north of the solar farm and separated from the solar farm by a railroad corridor. This home is a 3 BR, 3 BA 1,512 s.f. home with a carport and workshop. The property includes new custom cabinets, granite counter tops, brand-new stainless-steel appliances, updated bathrooms and new carpet in the bedrooms. The home is sitting on 5 acres. The home was built in 1997.

I have compared this sale to several nearby homesales as part of this matched pair analysis as shown below. The landscaping separating the home from the solar farm is considered heavy.

Solar	TAX ID/Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Note
Adjoins	13670 Highland	5.00	8/21/2017	$255,000	1997	1,512	$168.65	3/3	Carport/Wrkshp	Ranch	Renov.
Not	2901 Arrowsmith	1.91	1/31/2018	$225,000	1979	1,636	$137.53	3/2	2 Garage/Wrkshp	Ranch	
Not	602 Butch Cassidy	1.00	5/5/2017	$220,000	2001	1,560	$141.03	3/2	N/A	Ranch	Renov.
Not	2908 Wild West	1.23	7/12/2017	$254,000	2003	1,554	$163.45	3/2	2 Garage/Wrkshp	Ranch	Renov.
Not	13851 Highland	5.00	9/13/2017	$240,000	1978	1,636	$146.70	4/2	3 Garage	Ranch	Renov.

		Adjoining Sales Adjusted								
Solar	**TAX ID/Address**	**Time**	**Acres**	**YB**	**GLA**	**BR/BA**	**Park**	**Note**	**Total**	**% Diff**
Adjoins	13670 Highland								$255,000	
Not	2901 Arrowsmith	$2,250	$10,000	$28,350	-$8,527	$5,000	-$10,000	$10,000	$262,073	-3%
Not	602 Butch Cassidy	-$2,200	$10,000	-$6,160	-$3,385	$5,000	$2,000		$225,255	12%
Not	2908 Wild West	$0	$10,000	-$10,668	-$3,432	$5,000	-$10,000		$244,900	4%
Not	13851 Highland	$0	$0	$31,920	-$9,095	$3,000	-$10,000		$255,825	0%
									Average	3%

The sales prices of the comparables before adjustments range from $220,000 to $254,000. After adjustments they range from $225,255 to $262,073. The comparables range from no impact to a strong positive impact. The comparables showing -3% and +4% impact on value is considered within a typical range of value and therefore not indicative of any impact on property value.

This set of matched pair data falls in line with the data seen in other states. The closest solar panel to the home at 13670 Highland is 1,180 feet. There is a wooded buffer between these two properties.

I have included a map showing the relative location of these properties below.



8. Matched Pair – McBride Place Solar Farm, Midland, NC



This project is located on Mount Pleasant Road, Midland, North Carolina. The property is on 627 acres on an assemblage of 974.59 acres. The solar farm was approved in early 2017 for a 74.9 MW facility.

I have considered the sale of 4380 Joyner Road which adjoins the proposed solar farm near the northwest section. This property was appraised in April of 2017 for a value of $317,000 with no consideration of any impact due to the solar farm in that figure. The property sold in November

2018 for $325,000 with the buyer fully aware of the proposed solar farm. The landscaping buffer relative to Joyner Road, Hayden Way, Chanel Court and Kristi Lane is considered medium, while the landscaping for the home at the north end of Chanel Court is considered very light.

I have considered the following matched pairs to the subject property.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	4380 Joyner	12.00	11/22/2017	$325,000	1979	1,598	$203.38	3/2	2xGar	Ranch	Outbldg
Not	3870 Elkwood	5.50	8/24/2016	$250,000	1986	1,551	$161.19	3/2.5	Det 2xGar	Craft	
Not	8121 Lower Rocky	18.00	2/8/2017	$355,000	1977	1,274	$278.65	2/2	2xCarprt	Ranch	Eq. Fac.
Not	13531 Cabarrus	7.89	5/20/2016	$267,750	1981	2,300	$116.41	3/2	2xGar	Ranch	

Adjoining Sales Adjusted

Time	Acres	YB	Condition	GLA	BR/BA	Park	Other	Total	% Diff
								$325,000	
$7,500	$52,000	-$12,250	$10,000	$2,273	-$2,000	$2,500	$7,500	$317,523	2%
$7,100	-$48,000	$4,970		$23,156	$0	$3,000	-$15,000	$330,226	-2%
$8,033	$33,000	-$3,749	$20,000	-$35,832	$0	$0	$7,500	$296,702	9%
								Average	3%

The home at 4380 Joyner Road is 275 feet from the closest solar panel.

I also considered the recent sale of a lot at 5800 Kristi Lane that is on the east side of the proposed solar farm. This 4.22-acre lot sold in December 2017 for $94,000. A home was built on this lot in 2019 with the closest point from home to panel at 689 feet. The home site is heavily wooded and their remains a wooded buffer between the solar panels and the home. I spoke with the broker, Margaret Dabbs, who indicated that the solar farm was considered a positive by both buyer and seller as it ensures no subdivision will be happening in that area. Buyers in this market are looking for privacy and seclusion.

The breakdown of recent lot sales on Kristi are shown below with the lowest price paid for the lot with no solar farm exposure, though that lot has exposure to Mt Pleasant Road South. Still the older lot sales have exposure to the solar farm and sold for higher prices than the front lot and adjusting for time would only increase that difference.

Adjoining Lot Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	$/AC	$/Lot
	Adjoins	5811 Kristi	3.74	5/1/2018	$100,000	$26,738	$100,000
	Adjoins	5800 Kristi	4.22	12/1/2017	$94,000	$22,275	$94,000
	Not	5822 Kristi	3.43	2/24/2020	$90,000	$26,239	$90,000

The lot at 5811 Kristi Lane sold in May 2018 for $100,000 for a 3.74-acre lot. The home that was built later in 2018 is 505 feet to the closest solar panel. This home then sold to a homeowner for $530,000 in April 2020. I have compared this home sale to other properties in the area as shown below.

Adjoining Residential Sales After Solar Farm Built

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	5811 Kristi	3.74	3/31/2020	$530,000	2018	3,858	$137.38	5/3.5	2 Gar	2-story	Cement Ext
Not	3915 Tania	1.68	12/9/2019	$495,000	2007	3,919	$126.31	3/3.5	2 Gar	2-story	3Det Gar
Not	6782 Manatee	1.33	3/8/2020	$460,000	1998	3,776	$121.82	4/2/2h	2 Gar	2-story	Water
Not	314 Old Hickory	1.24	9/20/2019	$492,500	2017	3,903	$126.18	6/4.5	2 Gar	2-story	

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	5811 Kristi								$530,000		5%
Not	3915 Tania	$6,285		$27,225	-$3,852		-$20,000		$504,657	5%	
Not	6782 Manatee	$1,189		$46,000	$4,995	$5,000			$517,183	2%	
Not	314 Old Hickory	$10,680		$2,463	-$2,839	-$10,000			$492,803	7%	

After adjusting the comparables, I found that the average adjusted value shows a slight increase in value for the subject property adjoining a solar farm. As in the other cases, this is a mild positive impact on value but within the typical range of real estate transactions.

I also looked at 5833 Kristi Lane that sold on 9/14/2020 for $625,000. This home is 470 feet from the closest panel.

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Nearby	5833 Kristi	4.05	9/14/2020	$625,000	2008	4,373	$142.92	5/4	3-Car	2-Brick	
Not	4055 Dakeita	4.90	12/30/2020	$629,000	2005	4,427	$142.08	4/4	4-Car	2-Brick	4DetGar/Stable
Not	9615 Bales	2.16	6/30/2020	$620,000	2007	4,139	$149.79	4/5	3-Car	2-Stone	2DetGar
Not	9522 Bales	1.47	6/18/2020	$600,000	2007	4,014	$149.48	4/4.5	3-Car	2-Stone	

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
5833 Kristi								$625,000			470
4055 Dakeita	-$9,220		$5,661	-$6,138		-$25,000		$594,303	5%		
9615 Bales	$6,455		$1,860	$28,042	-$10,000	-$15,000		$631,356	-1%		
9522 Bales	$7,233		$1,800	$42,930	-$5,000			$646,963	-4%		
										0%	

The average difference is 0% impact and the differences are all within a close range with this set of comparables and supports a finding of no impact on property value.

I have also looked at 4504 Chanel Court. This home sold on January 1, 2020 for $393,500 for this 3,010 square foot home built in 2004 with 3 bedrooms, 3.5 bathrooms, and a 3-car garage. This home includes a full partially finished basement that significantly complicates comparing this to other sales. This home previously sold on January 23, 2017 for $399,000. This was during the time that the solar farm was a known factor as the solar farm was approved in early 2017 and public discussions had already commenced. I spoke with Rachelle Killman with Real Estate Realty, LLC the buyer's agent for this transaction and she indicated that the solar farm was not a factor or consideration for the buyer. She noted that you could see the panels sort of through the trees, but it wasn't a concern for the buyer. She was not familiar with the earlier 2017 sale, but indicated that it was likely too high. This again goes back to the partially finished basement issue. The basement has a fireplace, and an installed 3/4 bathroom but otherwise bare studs and concrete floors with different buyers assigning varying value to that partly finished space. I also reached out to Don Gomez with Don Anthony Realty, LLC as he was the listing agent.

I also looked at the recent sale of 4599 Chanel Court. This home is within 310 feet of solar panels but notably does not have a good landscaping screen in place as shown in the photo below. The plantings appear to be less than 3-feet in height and only a narrow, limited screen of existing hardwoods were kept. The photograph is from the listing.

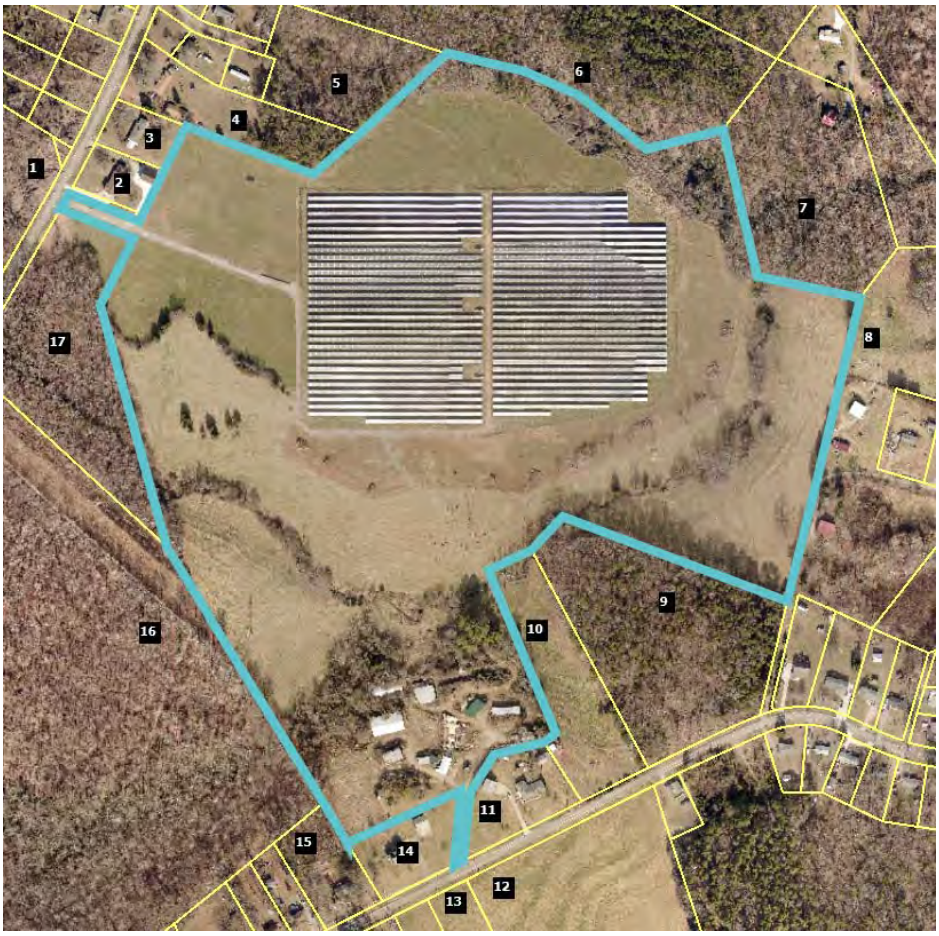
According to Scott David with Better Homes and Gardens Paracle Realty, this property was under contract for $550,000 contingent on the buyer being able to sell their former home. The former home was apparently overpriced and did not sell and the contract stretched out over 2.5 months.

The seller was in a bind as they had a home they were trying to buy contingent on this closing and were about to lose that opportunity. A cash buyer offered them a quick close at $500,000 and the seller accepted that offer in order to not lose the home they were trying to buy. According to Mr. David, the original contracted buyer and the actual cash buyer never considered the solar farm as a negative. In fact Mr. David noted that the actual buyer saw it as a great opportunity to purchase a home where a new subdivision could not be built behind his house. I therefore conclude that this property supports a finding of no impact on adjoining property, even where the landscaping screen still requires time to grow in for a year-round screen.

I also considered a sale/resale analysis on this property. This same home sold on September 15, 2015 for $462,000. Adjusting this upward by 5% per year for the five years between these sales dates suggests a value of $577,500. Comparing that to the $550,000 contract that suggests a 5% downward impact, which is within a typical market variation. Given that the broker noted no negative impact from the solar farm and the analysis above, I conclude this sale supports a finding of no impact on value.



9. Matched Pair – Mariposa Solar, Gaston County, NC



This project is a 5 MW facility located on 35.80 acres out of a parent tract of 87.61 acres at 517 Blacksnake Road, Stanley that was built in 2016.

I have considered a number of recent sales around this facility as shown below.

The first is identified in the map above as Parcel 1, which is 215 Mariposa Road. This is an older dwelling on large acreage with only one bathroom. I've compared it to similar nearby homes as shown below. The landscaping buffer for this home is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style
Adjoins	215 Mariposa	17.74	12/12/2017	$249,000	1958	1,551	$160.54	3/1	Garage	Br/Rnch
Not	249 Mariposa	0.48	3/1/2019	$153,000	1974	1,792	$85.38	4/2	Garage	Br/Rnch
Not	110 Airport	0.83	5/10/2016	$166,000	1962	2,165	$76.67	3/2	Crprt	Br/Rnch
Not	1249 Blacksnake	5.01	9/20/2018	$242,500	1980	2,156	$112.48	3/2	Drive	1.5
Not	1201 Abernathy	27.00	5/3/2018	$390,000	1970	2,190	$178.08	3/2	Crprt	Br/Rnch

Adjoining Residential Sales After Solar Farm Approved — Adjoining Sales Adjusted

Solar	Address	Acres	Date Sold	Sales Price	Time	YB	Acres	GLA	BR/BA	Park	Other	Total	% Diff
Adjoins	215 Mariposa	17.74	12/12/2017	$249,000								$249,000	
Not	249 Mariposa	0.48	3/1/2019	$153,000	-$5,583	-$17,136	$129,450	-$20,576	-$10,000			$229,154	8%
Not	110 Airport	0.83	5/10/2016	$166,000	$7,927	-$4,648	$126,825	-$47,078	-$10,000			$239,026	4%
Not	1249 Blacksnake	5.01	9/20/2018	$242,500	-$5,621	-$37,345	$95,475	-$68,048	-$10,000	$5,000		$221,961	11%
Not	1201 Abernathy	27.00	5/3/2018	$390,000	-$4,552	-$32,760	-$69,450	-$60,705	-$10,000			$212,533	15%
												Average	9%

The average difference after adjusting for all factors is +9% on average, which suggests an enhancement due to the solar farm across the street. Given the large adjustments for acreage and size, I will focus on the low end of the adjusted range at 4%, which is within the typical deviation and therefore suggests no impact on value.

I have also considered Parcel 4 that sold after the solar farm was approved but before it had been constructed in 2016. The landscaping buffer for this parcel is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	242 Mariposa	2.91	9/21/2015	$180,000	1962	1,880	$95.74	3/2	Carport	Br/Rnch	Det Wrkshop
Not	249 Mariposa	0.48	3/1/2019	$153,000	1974	1,792	$85.38	4/2	Garage	Br/Rnch	
Not	110 Airport	0.83	5/10/2016	$166,000	1962	2,165	$76.67	3/2	Crprt	Br/Rnch	
Not	1249 Blacksnake	5.01	9/20/2018	$242,500	1980	2,156	$112.48	3/2	Drive	1.5	

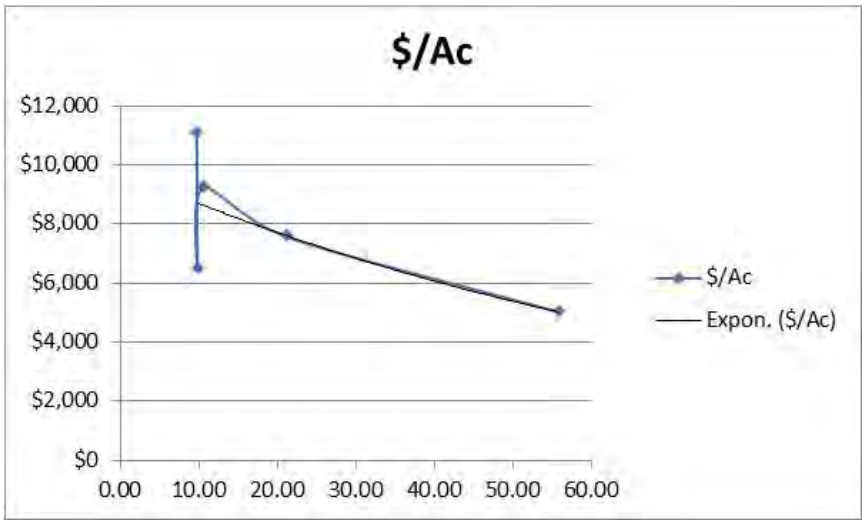
Adjoining Residential Sales After Solar Farm Approved — Adjoining Sales Adjusted

Solar	Address	Acres	Date Sold	Sales Price	Time	YB	Acres	GLA	BR/BA	Park	Other	Total	% Diff
Adjoins	242 Mariposa	2.91	9/21/2015	$180,000								$180,000	
Not	249 Mariposa	0.48	3/1/2019	$153,000	-$15,807	-$12,852	$18,468	$7,513		-$3,000	$25,000	$172,322	4%
Not	110 Airport	0.83	5/10/2016	$166,000	-$3,165	$0	$15,808	-$28,600			$25,000	$175,043	3%
Not	1249 Blacksnake	5.01	9/20/2018	$242,500	-$21,825	-$30,555	-$15,960	-$40,942		$2,000	$25,000	$160,218	11%
												Average	6%

The average difference after adjusting for all factors is +6%, which is again suggests a mild increase in value due to the adjoining solar farm use. The median is a 4% adjustment, which is within a standard deviation and suggests no impact on property value.

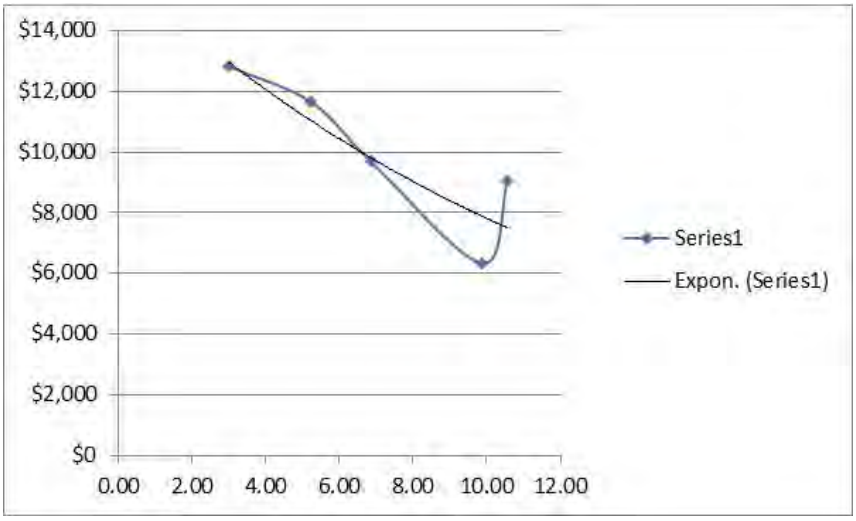
I have also considered the recent sale of Parcel 13 that is located on Blacksnake Road south of the project. I was unable to find good land sales in the same 20-acre range, so I have considered sales of larger and smaller acreage. I adjusted each of those land sales for time. I then applied the price per acre to a trendline to show where the expected price per acre would be for 20 acres. As can be seen in the chart below, this lines up exactly with the purchase of the subject property. I therefore conclude that there is no impact on Parcel 13 due to proximity to the solar farm.

Adjoining Residential Land Sales After Solar Farm Approved						**Adjoining Sales Adjusted**	
Solar	**Tax/Street**	**Acres**	**Date Sold**	**Sales Price**	**$/Ac**	**Time**	**$/Ac**
Adjoins	174339/Blacksnake	21.15	6/29/2018	$160,000	$7,565		$7,565
Not	227852/Abernathy	10.57	5/9/2018	$97,000	$9,177	$38	$9,215
Not	17443/Legion	9.87	9/7/2018	$64,000	$6,484	-$37	$6,447
Not	164243/Alexis	9.75	2/1/2019	$110,000	$11,282	-$201	$11,081
Not	176884/Bowden	55.77	6/13/2018	$280,000	$5,021	$7	$5,027



Finally, I have considered the recent sale of Parcel 17 that sold as vacant land. I was unable to find good land sales in the same 7-acre range, so I have considered sales of larger and smaller acreage. I adjusted each of those land sales for time. I then applied the price per acre to a trendline to show where the expected price per acre would be for 7 acres. As can be seen in the chart below, this lines up with the trendline running right through the purchase price for the subject property. I therefore conclude that there is no impact on Parcel 13 due to proximity to the solar farm. I note that this property was improved with a 3,196 square foot ranch built in 2018 following the land purchase, which shows that development near the solar farm was unimpeded.

Adjoining Residential Land Sales After Solar Farm Approved						**Adjoining Sales Adjusted**		
Solar	**Tax/Street**	**Acres**	**Date Sold**	**Sales Price**	**$/Ac**	**Time**	**Location**	**$/Ac**
Adjoins	227039/Mariposa	6.86	12/6/2017	$66,500	$9,694			$9,694
Not	227852/Abernathy	10.57	5/9/2018	$97,000	$9,177	-$116		$9,061
Not	17443/Legion	9.87	9/7/2018	$64,000	$6,484	-$147		$6,338
Not	177322/Robinson	5.23	5/12/2017	$66,500	$12,715	$217	-$1,272	$11,661
Not	203386/Carousel	2.99	7/13/2018	$43,500	$14,548	-$262	-$1,455	$12,832



10. Matched Pair – Clarke County Solar, Clarke County, VA



This project is a 20 MW facility located on a 234-acre tract that was built in 2017.

I have considered two recent sales of Parcel 3. The home on this parcel is 1,230 feet from the closest panel as measured in the second map from Google Earth, which shows the solar farm under construction. This home sold in January 2017 for $295,000 and again in August 2019 for $385,000. I show each sale below and compare those to similar home sales in each time frame. The significant increase in price between 2017 and 2019 is due to a major kitchen remodel, new roof, and related upgrades as well as improvement in the market in general. The sale and later resale of the home with updates and improvements speaks to pride of ownership and increasing overall value as properties perceived as diminished are less likely to be renovated and sold for profit.

I note that 102 Tilthammer includes a number of barns that I did not attribute any value in the analysis. The market would typically give some value for those barns but even without that adjustment there is an indication of a positive impact on value due to the solar farm. The landscaping buffer from this home is considered light.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
3	Adjoins	833 Nations Spr	5.13	8/18/2019	$385,000	1979	1,392	$276.58	3/2	Det Gar	Ranch	UnBsmt
	Not	167 Leslie	5.00	8/19/2020	$429,000	1980	1,665	$257.66	3/2	Det2Gar	Ranch	
	Not	2393 Old Chapel	2.47	8/10/2020	$330,000	1974	1,500	$220.00	3/1.5	Det Gar	Ranch	
	Not	102 Tilthammer	6.70	5/7/2019	$372,000	1970	1,548	$240.31	3/1.5	Det Gar	Ranch	UnBsmt

Adjoining Sales Adjusted

Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
							$385,000			1230
-$13,268		-$2,145	-$56,272		-$5,000	$50,000	$402,315	-4%		
-$9,956	$25,000	$8,250	-$19,008	$5,000		$50,000	$389,286	-1%		
$3,229		$16,740	-$29,991	$5,000			$366,978	5%		
									0%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
3	Adjoins	833 Nations Spr	5.13	1/9/2017	$295,000	1979	1,392	$211.93	3/2	Det Gar	Ranch	UnBsmt
	Not	6801 Middle	2.00	12/12/2017	$249,999	1981	1,584	$157.83	3/2	Open	Ranch	
	Not	4174 Rockland	5.06	1/2/2017	$300,000	1990	1,688	$177.73	3/2	2 Gar	2-story	
	Not	400 Sugar Hill	1.00	6/7/2018	$180,000	1975	1,008	$178.57	3/1	Open	Ranch	

Adjoining Sales Adjusted

Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
							$295,000			1230
-$7,100	$25,000	-$2,500	-$24,242		$5,000	$50,000	$296,157	0%		
$177		-$16,500	-$42,085		-$10,000	$50,000	$281,592	5%		
-$7,797		$3,600	$54,857	$10,000	$5,000	$50,000	$295,661	0%		
									1%	

11. Matched Pair – Simon Solar, Social Circle, GA



This 30 MW solar farm is located off Hawkins Academy Road and Social Circle Fairplay Road. I identified three adjoining sales to this tract after development of the solar farm. However, one of those is shown as Parcel 12 in the map above and includes a powerline easement encumbering over a third of the 5 acres and adjoins a large substation as well. It would be difficult to isolate those impacts from any potential solar farm impact and therefore I have excluded that sale. I also excluded the recent sale of Parcel 17, which is a farm with conservation restrictions on it that similarly would require a detailed examination of those conservation restrictions in order to see if there was any impact related to the solar farm. I therefore focused on the recent sale of Parcel 7 and the adjoining parcel to the south of that. They are technically not adjoining due to the access road for the flag-shaped lot to the east. Furthermore, there is an apparent access easement serving the two rear lots that encumber these two parcels which is a further limitation on these sales. This analysis assumes that the access easement does not negatively impact the subject property, though it may.

The landscaping buffer relative to this parcel is considered medium.

Adjoining Land Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	$/AC	Type	Other
7+	Adjoins	4514 Hawkins	36.86	3/31/2016	$180,000	$4,883	Pasture	Esmts
	Not	HD Atha	69.95	12/20/2016	$357,500	$5,111	Wooded	N/A
	Not	Pannell	66.94	11/8/2016	$322,851	$4,823	Mixed	*
	Not	1402 Roy	123.36	9/29/2016	$479,302	$3,885	Mixed	**

* Adjoining 1 acre purchased by same buyer in same deed. Allocation assigned on the County Tax Record.

** Dwelling built in 1996 with a 2016 tax assessed value of $75,800 deducted from sales price to reflect land value

Adjoining Sales Adjusted						Avg
Time	Size	Type	Other	Total/Ac	% Diff	% Diff
				$4,883		
$89	$256			$5,455	-12%	
-$90	$241			$4,974	-2%	
-$60	$389			$4,214	14%	
						0%

The range of impact identified by these matched pairs are -12% to +14%, with an average of 0% impact due to the solar farm. The best matched pair with the least adjustment supports a -2% impact due to the solar farm. I note again that this analysis considers no impact for the existing access easements that meander through this property and it may be having an impact. Still at -2% impact as the best indication for the solar farm, I consider that to be no impact given that market fluctuations support +/- 5%.

12. Matched Pair – Candace Solar, Princeton, NC





This 5 MW solar farm is located at 4839 US 70 Highway just east of Herring Road. This solar farm was completed on October 25, 2016.

I identified three adjoining sales to this tract after development of the solar farm with frontage on US 70. I did not attempt to analyze those sales as they have exposure to an adjacent highway and railroad track. Those homes are therefore problematic for a matched pair analysis unless I have similar homes fronting on a similar corridor.

I did consider a land sale and a home sale on adjoining parcels without those complications.

The lot at 499 Herring Road sold to Paradise Homes of Johnston County of NC, Inc. for $30,000 in May 2017 and a modular home was placed there and sold to Karen and Jason Toole on September 29, 2017. I considered the lot sale first as shown below and then the home sale that followed. The landscaping buffer relative to this parcel is considered medium.

Adjoining Land Sales After Solar Farm Approved							**Adjoining Sales Adjusted**				
Parcel	**Solar**	**Address**	**Acres**	**Date Sold**	**Sales Price**	**Other**	**Time**	**Site**	**Other**	**Total**	**% Diff**
16	Adjoins	499 Herring	2.03	5/1/2017	$30,000					$30,000	
	Not	37 Becky	0.87	7/23/2019	$24,500	Sub/Pwr	-$1,679	$4,900		$27,721	8%
	Not	5858 Bizzell	0.88	8/17/2016	$18,000		$390	$3,600		$21,990	27%
	Not	488 Herring	2.13	12/20/2016	$35,000		$389			$35,389	-18%
										Average	5%

Following the land purchase, the modular home was placed on the site and sold. I have compared this modular home to the following sales to determine if the solar farm had any impact on the purchase price.

Adjoining Residential Sales After Solar Farm Approved

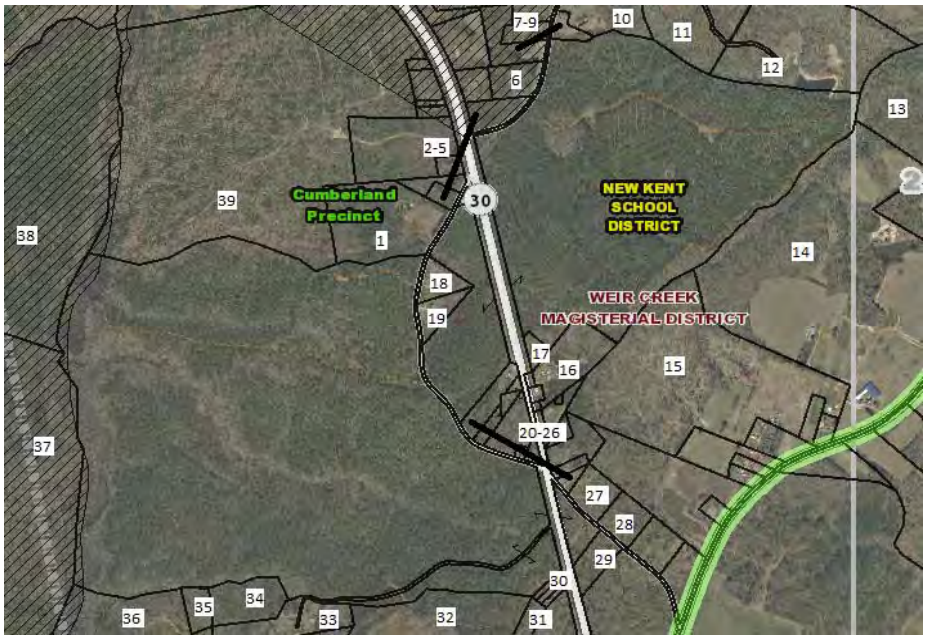
Parcel	**Solar**	**Address**	**Acres**	**Date Sold**	**Sales Price**	**Built**	**GBA**	**$/GBA**	**BR/BA**	**Park**	**Style**	**Other**
16	Adjoins	499 Herring	2.03	9/27/2017	$215,000	2017	2,356	$91.26	4/3	Drive	Modular	
	Not	678 WC	6.32	3/8/2019	$226,000	1995	1,848	$122.29	3/2.5	Det Gar	Mobile	Ag bldgs
	Not	1810 Bay V	8.70	3/26/2018	$170,000	2003	2,356	$72.16	3/2	Drive	Mobile	Ag bldgs
	Not	1795 Bay V	1.78	12/1/2017	$194,000	2017	1,982	$97.88	4/3	Drive	Modular	

Adjoining Residential Sales Af			**Adjoining Sales Adjusted**									**Avg**	
Parcel	**Solar**	**Address**	**Time**	**Site**	**YB**	**GLA**	**BR/BA**	**Park**	**Other**	**Total**	**% Diff**	**% Diff**	**Distance**
16	Adjoins	499 Herring								$215,000			488
	Not	678 WC	-$10,037	-$25,000	$24,860	$37,275	-$5,000	-$7,500	-$20,000	$220,599	-3%		
	Not	1810 Bay V	-$2,579	-$20,000	$11,900	$0				$159,321	26%		
	Not	1795 Bay V	-$1,063		$0	$21,964				$214,902	0%		
												8%	

The best comparable is 1795 Bay Valley as it required the least adjustment and was therefore most similar, which shows a 0% impact. This signifies no impact related to the solar farm.

The range of impact identified by these matched pairs ranges are therefore -3% to +26% with an average of +8% for the home and an average of +4% for the lot, though the best indicator for the lot shows a $5,000 difference in the lot value due to the proximity to the solar farm or a -12% impact.

13. Matched Pair – Walker-Correctional Solar, Barham Road, Barhamsville, VA





This project was built in 2017 and located on 484.65 acres for a 20 MW with the closest home at 110 feet from the closest solar panel with an average distance of 500 feet.

I considered the recent sale identified on the map above as Parcel 19, which is directly across the street and based on the map shown on the following page is 250 feet from the closest panel. A

limited buffering remains along the road with natural growth being encouraged, but currently the panels are visible from the road. Alex Uminski, SRA with MGMiller Valuations in Richmond VA confirmed this sale with the buying and selling broker. The selling broker indicated that the solar farm was not a negative influence on this sale and in fact the buyer noticed the solar farm and then discovered the listing. The privacy being afforded by the solar farm was considered a benefit by the buyer. I used a matched pair analysis with a similar sale nearby as shown below and found no negative impact on the sales price. Property actually closed for more than the asking price. The landscaping buffer is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	5241 Barham	2.65	10/18/2018	$264,000	2007	1,660	$159.04	3/2	Drive	Ranch	Modular
Not	17950 New Kent	5.00	9/5/2018	$290,000	1987	1,756	$165.15	3/2.5	3 Gar	Ranch	
Not	9252 Ordinary	4.00	6/13/2019	$277,000	2001	1,610	$172.05	3/2	1.5-Gar	Ranch	
Not	2416 W Miller	1.04	9/24/2018	$299,000	1999	1,864	$160.41	3/2.5	Gar	Ranch	

Adjoining Sales Adjusted

Solar	Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
Adjoins	5241 Barham								$264,000		250
Not	17950 New Kent		-$8,000	$29,000	-$4,756	-$5,000	-$20,000	-$15,000	$266,244	-1%	
Not	9252 Ordinary	-$8,310	-$8,000	$8,310	$2,581		-$10,000	-$15,000	$246,581	7%	
Not	2416 W Miller		$8,000	$11,960	-$9,817	-$5,000	-$10,000	-$15,000	$279,143	-6%	
								Average Diff		0%	

I also spoke with Patrick W. McCrerey of Virginia Estates who was marketing a property that sold at 5300 Barham Road adjoining the Walker-Correctional Solar Farm. He indicated that this property was unique with a home built in 1882 and heavily renovated and updated on 16.02 acres. The solar farm was through the woods and couldn't be seen by this property and it had no impact on marketing this property. This home sold on April 26, 2017 for $358,000. I did not set up any matched pairs for this property since it is a unique property that any such comparison would be difficult to rely on. The broker's comments do support the assertion that the adjoining solar farm had no impact on value. The home in this case was 510 feet from the closest panel.

14. Matched Pair – Innovative Solar 46, Roslin Farm Rd, Hope Mills, NC



This project was built in 2016 and located on 532 acres for a 78.5 MW solar farm with the closest home at 125 feet from the closest solar panel with an average distance of 423 feet.

I considered the recent sale of a home on Roslin Farm Road just north of Running Fox Road as shown below. This sale supports an indication of no impact on property value. The landscaping buffer is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
Adjoins	6849 Roslin Farm	1.00	2/18/2019	$155,000	1967	1,610	$96.27	3/3	Drive	Ranch	Brick	435
Not	6592 Sim Canady	2.43	9/5/2017	$185,000	1974	2,195	$84.28	3/2	Gar	Ranch	Brick	
Not	1614 Joe Hall	1.63	9/3/2019	$145,000	1974	1,674	$86.62	3/2	Det Gar	Ranch	Brick	
Not	109 Bledsoe	0.68	1/17/2019	$150,000	1973	1,663	$90.20	3/2	Gar	Ranch	Brick	

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	6849 Roslin Farm								$155,000		5%
Not	6592 Sim Canady	$8,278		-$6,475	-$39,444	$10,000	-$5,000		$152,359	2%	
Not	1614 Joe Hall	-$2,407		-$5,075	-$3,881	$10,000	-$2,500		$141,137	9%	
Not	109 Bledsoe	$404	$10,000	-$4,500	-$3,346		-$5,000		$147,558	5%	

15. Matched Pair – Innovative Solar 42, County Line Rd, Fayetteville, NC





This project was built in 2017 and located on 413.99 acres for a 71 MW with the closest home at 135 feet from the closest solar panel with an average distance of 375 feet.

I considered the recent sales identified on the map above as Parcels 2 and 3, which is directly across the street these homes are 330 and 340 feet away. Parcel 2 includes an older home built in 1976, while Parcel 3 is a new home built in 2019. So the presence of the solar farm had no impact on new construction in the area.

The matched pairs for each of these are shown below. The landscaping buffer relative to these parcels is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
Adjoins	2923 County Ln	8.98	2/28/2019	$385,000	1976	2,905	$132.53	3/3	2-Car	Ranch	Brick/Pond	340
Not	1928 Shaw Mill	17.00	7/3/2019	$290,000	1977	3,001	$96.63	4/4	2-Car	Ranch	Brick/Pond/Rental	
Not	2109 John McM.	7.78	4/25/2018	$320,000	1978	2,474	$129.35	3/2	Det Gar	Ranch	Vinyl/Pool,Stable	

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	2923 County Ln								$385,000		3%
Not	1928 Shaw Mill	-$3,055	$100,000	-$1,450	-$7,422	-$10,000			$368,074	4%	
Not	2109 John McM.	$8,333		-$3,200	$39,023	$10,000		$5,000	$379,156	2%	

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
Adjoins	2935 County Ln	1.19	6/18/2019	$266,000	2019	2,401	$110.79	4/3	Gar	2-Story		330
Not	3005 Hemingway	1.17	5/16/2019	$269,000	2018	2,601	$103.42	4/3	Gar	2-Story		
Not	7031 Glynn Mill	0.60	5/8/2018	$255,000	2017	2,423	$105.24	4/3	Gar	2-Story		
Not	5213 Bree Brdg	0.92	5/7/2019	$260,000	2018	2,400	$108.33	4/3	3-Gar	2-Story		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	2935 County Ln								$266,000		3%
Not	3005 Hemingway	$748		$1,345	-$16,547				$254,546	4%	
Not	7031 Glynn Mill	$8,724		$2,550	-$1,852				$264,422	1%	
Not	5213 Bree Brdg	$920		$1,300	$76			-$10,000	$252,296	5%	

Both of these matched pairs adjust to an average of +3% on impact for the adjoining solar farm, meaning there is a slight positive impact due to proximity to the solar farm. This is within the standard +/- of typical real estate transactions, which strongly suggests no impact on property value. I noted specifically that for 2923 County Line Road, the best comparable is 2109 John McMillan as it does not have the additional rental unit on it. I made no adjustment to the other sale for the value of that rental unit, which would have pushed the impact on that comparable downward – meaning there would have been a more significant positive impact.

16. Matched Pair – Sunfish Farm, Keenebec Rd, Willow Spring, NC



This project was built in 2015 and located on 49.6 acres (with an inset 11.25-acre parcel) for a 6.4 MW project with the closest home at 135 feet with an average distance of 105 feet.

I considered the 2017 sale identified on the map above, which is 205 feet away from the closest panel. The matched pairs for each of these are shown below followed by a more recent map showing the panels at this site. The average difference in the three comparables and the subject property is +3% after adjusting for differences in the sales date, year built, gross living area, and other minor differences. This data is supported by the comments from the broker Brian Schroepfer with Keller Williams that the solar farm had no impact on the purchase price. The landscaping screen is considered light.

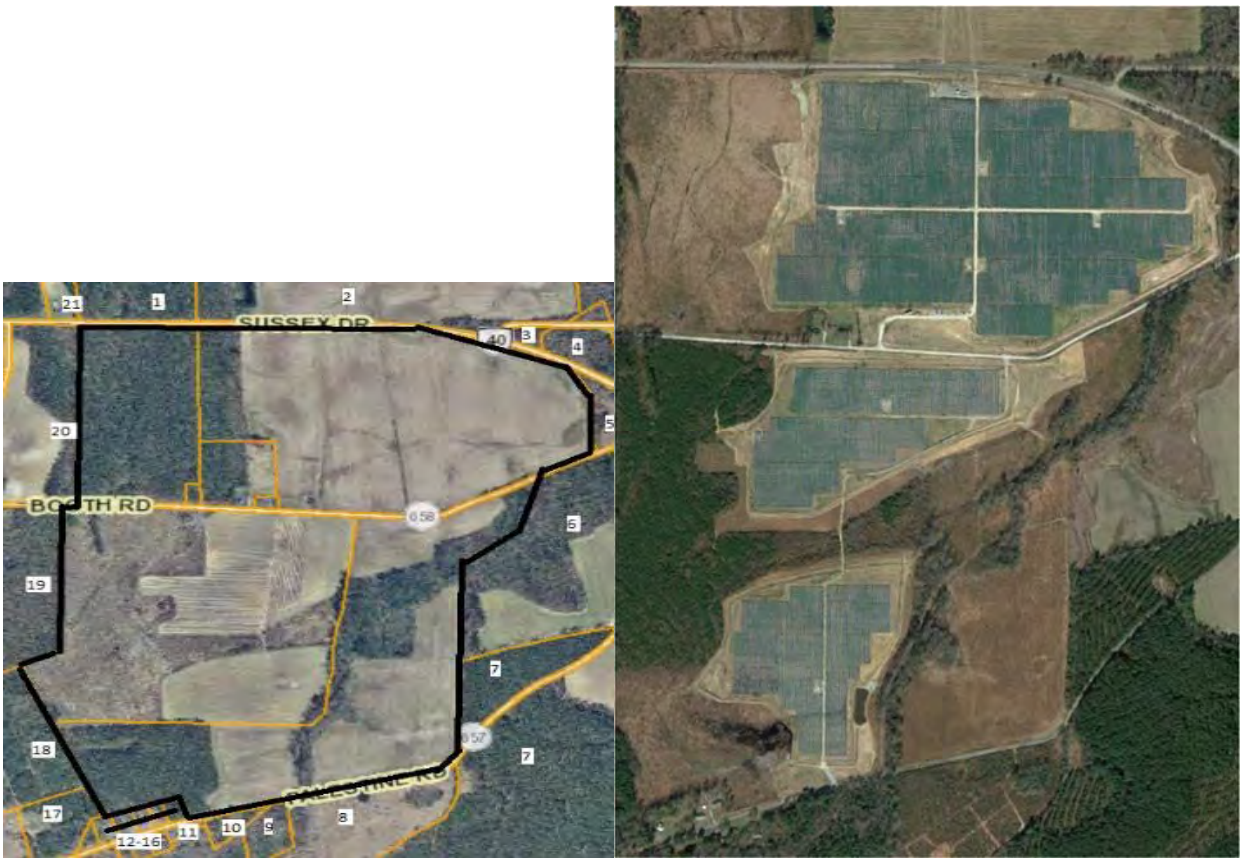
Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style
	Adjoins	7513 Glen Willow	0.79	9/1/2017	$185,000	1989	1,492	$123.99	3/2	Gar	BR/Rnch
	Not	2968 Tram	0.69	7/17/2017	$155,000	1984	1,323	$117.16	3/2	Drive	BR/Rnch
	Not	205 Pine Burr	0.97	12/29/2017	$191,000	1991	1,593	$119.90	3/2.5	Drive	BR/Rnch
	Not	1217 Old Honeycutt	1.00	12/15/2017	$176,000	1978	1,558	$112.97	3/2.5	2Carprt	VY/Rnch

Adjustments

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	7513 Glen Willow								$185,000		
Not	2968 Tram	$601		$3,875	$15,840		$10,000		$185,316	0%	
Not	205 Pine Burr	-$1,915		-$1,910	-$9,688	-$5,000			$172,487	7%	
Not	1217 Old Honeycutt	-$1,557		$9,680	-$5,965	-$5,000		$5,280	$178,438	4%	
											3%

17. Matched Pair – Sappony Solar, Sussex County, VA



This project is a 30 MW facility located on a 322.68-acre tract that was built in the fourth quarter of 2017.

I have considered the 2018 sale of Parcel 17 as shown below. This was a 1,900 s.f. manufactured home on a 6.00-acre lot that sold in 2018. I have compared that to three other nearby manufactured homes as shown below. The range of impacts is within typical market variation with an average of -1%, which supports a conclusion of no impact on property value. The landscaping buffer is considered medium.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
	Adjoins	12511 Palestine	6.00	7/31/2018	$128,400	2013	1,900	$67.58	4/2.5	Open	Manuf	
	Not	15698 Concord	3.92	7/31/2018	$150,000	2010	2,310	$64.94	4/2	Open	Manuf	Fence
	Not	23209 Sussex	1.03	7/7/2020	$95,000	2005	1,675	$56.72	3/2	Det Crpt	Manuf	
	Not	6494 Rocky Br	4.07	11/8/2018	$100,000	2004	1,405	$71.17	3/2	Open	Manuf	

Adjoining Sales Adjusted									Avg	
Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
							$128,400			1425
$0		$2,250	-$21,299	$5,000			$135,951	-6%		
-$5,660	$13,000	$3,800	$10,209	$5,000	$1,500		$122,849	4%		
-$843		$4,500	$28,185				$131,842	-3%		
									-1%	

18. Matched Pair – Camden Dam, Camden, NC



This 5 MW project was built in 2019 and located on a portion of 49.83 acres.

Parcel 1 noted above along with the home on the adjoining parcel to the north of that parcel sold in late 2018 after this solar farm was approved but prior to construction being completed in 2019. I have considered this sale as shown below. The landscaping screen is considered light.

The comparable at 548 Trotman is the most similar and required the least adjustment shows no impact on property value. The other two comparables were adjusted consistently with one showing significant enhancement and another as showing a mild negative. The best indication is the one requiring the least adjustment. The other two sales required significant site adjustments which make them less reliable. The best comparable and the average of these comparables support a finding of no impact on property value.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	122 N Mill Dam	12.19	11/29/2018	$350,000	2005	2,334	$149.96	3/3.5	3-Gar	Ranch	
Not	548 Trotman	12.10	5/31/2018	$309,000	2007	1,960	$157.65	4/2	Det2G	Ranch	Wrkshp
Not	198 Sand Hills	2.00	12/22/2017	$235,000	2007	2,324	$101.12	4/3	Open	Ranch	
Not	140 Sleepy Hlw	2.05	8/12/2019	$330,000	2010	2,643	$124.86	4/3	1-Gar	1.5 Story	

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
122 N Mill Dam								$350,000			342
548 Trotman	$6,163		-$3,090	$35,377	$5,000			$352,450	-1%		
198 Sand Hills	$8,808	$45,000	-$2,350	$607		$30,000		$317,064	9%		
140 Sleepy Hlw	-$9,258	$45,000	-$8,250	-$23,149	$5,000	$30,000		$369,343	-6%		
										1%	

19. Matched Pair – Grandy Solar, Grandy, NC



This 20 MW project was built in 2019 and located on a portion of 121 acres.

Parcels 40 and 50 have sold since construction began on this solar farm. I have considered both in matched pair analysis below. I note that the marketing for Parcel 40 (120 Par Four) identified the lack of homes behind the house as a feature in the listing. The marketing for Parcel 50 (269 Grandy) identified the property as "very private." Landscaping for both of these parcels is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	120 Par Four	0.92	8/17/2019	$315,000	2006	2,188	$143.97	4/3	2-Gar	1.5 Story	Pool
Not	102 Teague	0.69	1/5/2020	$300,000	2005	2,177	$137.80	3/2	Det 3G	Ranch	
Not	112 Meadow Lk	0.92	2/28/2019	$265,000	1992	2,301	$115.17	3/2	Gar	1.5 Story	
Not	116 Barefoot	0.78	9/29/2020	$290,000	2004	2,192	$132.30	4/3	2-Gar	2 Story	

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
120 Par Four								$315,000			405
102 Teague	-$4,636		$1,500	$910	$10,000		$20,000	$327,774	-4%		
112 Meadow Lk	$4,937		$18,550	-$7,808	$10,000	$10,000	$20,000	$320,679	-2%		
116 Barefoot	-$12,998		$2,900	-$318			$20,000	$299,584	5%		
										0%	

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	269 Grandy	0.78	5/7/2019	$275,000	2019	1,535	$179.15	3/2.5	2-Gar	Ranch	
Not	307 Grandy	1.04	10/8/2018	$240,000	2002	1,634	$146.88	3/2	Gar	1.5 Story	
Not	103 Branch	0.95	4/22/2020	$230,000	2000	1,532	$150.13	4/2	2-Gar	1.5 Story	
Not	103 Spring Lf	1.07	8/14/2018	$270,000	2002	1,635	$165.14	3/2	2-Gar	Ranch	Pool

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
269 Grandy								$275,000			477
307 Grandy	$5,550		$20,400	-$8,725	$5,000	$10,000		$272,225	1%		
103 Branch	-$8,847		$21,850	$270				$243,273	12%		
103 Spring Lf	$7,871		$22,950	-$9,908	$5,000		-$20,000	$275,912	0%		
										4%	

Both of these matched pairs support a finding of no impact on value. This is reinforced by the listings for both properties identifying the privacy due to no housing in the rear of the property as part of the marketing for these homes.

20. Matched Pair – Champion Solar, Lexington County, SC



This project is a 10 MW facility located on a 366.04-acre tract that was built in 2017.

I have considered the 2020 sale of an adjoining home located off 517 Old Charleston Road. Landscaping is considered light.

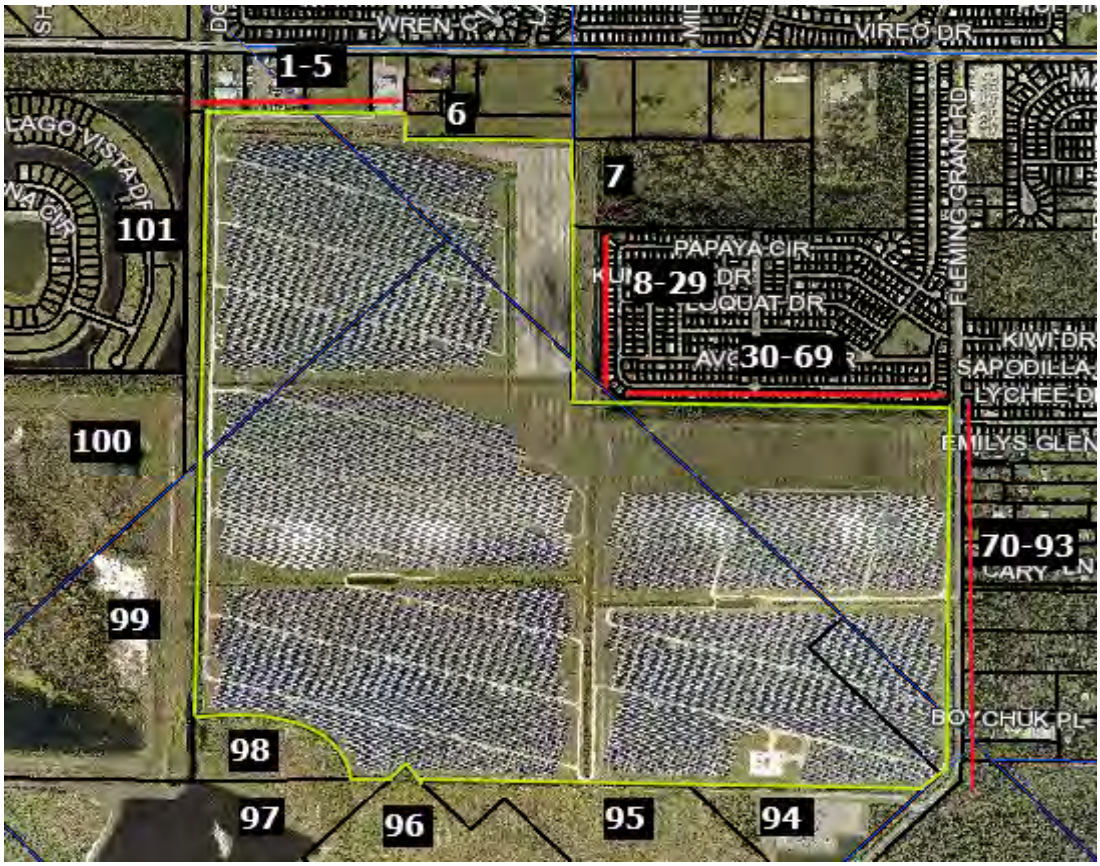
Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	517 Old Charleston	11.05	8/25/2020	$110,000	1962	925	$118.92	3/1	Crport	Br Rnch	
Not	133 Buena Vista	2.65	6/21/2020	$115,000	1979	1,104	$104.17	2/2	Crport	Br Rnch	
Not	214 Crystal Spr	2.13	6/10/2019	$102,500	1970	1,025	$100.00	3/2	Crport	Rnch	
Not	1429 Laurel	2.10	2/21/2019	$126,000	1960	1,250	$100.80	2/1.5	Open	Br Rnch	3 Gar/Brn

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
517 Old Charleston								$110,000			505
133 Buena Vista	$410	$17,000	-$9,775	-$14,917	-$10,000			$97,718	11%		
214 Crystal Spr	$2,482	$18,000	-$4,100	-$8,000	-$10,000		$10,000	$110,882	-1%		
1429 Laurel	$3,804	$18,000	$1,260	-$26,208	-$5,000	$5,000	-$15,000	$107,856	2%		
										4%	

21. Matched Pair – Barefoot Bay Solar Farm, Barefoot Bay, FL



This project is located on 504 acres for a 704.5 MW facility. Most of the adjoining uses are medium density residential with some lower density agricultural uses to the southwest. This project was built in 2018. There is a new subdivision under development to the west.

I have considered a number of recent home sales from the Barefoot Bay Golf Course in the Barefoot Bay Recreation District. There are a number of sales of these mobile/manufactured homes along the eastern boundary and the lower northern boundary. I have compared those home sales to other similar homes in the same community but without the exposure to the solar farm. Staying within the same community keeps location and amenity impacts consistent. I did avoid any comparison with home sales with golf course or lakefront views as that would introduce another variable.

The six manufactured/double wide homes shown below were each compared to three similar homes in the same community and are consistently showing no impact on the adjoining property values. Based on the photos from the listings, there is limited but some visibility of the solar farm to the east, but the canal and landscaping between are providing a good visual buffer and actually are commanding a premium over the non-canal homes.

Landscaping for these adjoining homes is considered light, though photographs from the listings show that those homes on Papaya that adjoin the solar farm from east/west have no visibility of the solar farm and is effectively medium density due to the height differential. The homes that adjoin the solar farm from north/south along Papaya have some filtered view of the solar farm through the trees.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
14	Adjoins	465 Papaya Cr	0.12	7/21/2019	$155,000	1993	1,104	$140.40	2/2	Drive	Manuf	Canal
	Not	1108 Navajo	0.14	2/27/2019	$129,000	1984	1,220	$105.74	2/2	Crprt	Manuf	Canal
	Not	1007 Barefoot	0.11	9/3/2020	$168,000	2005	1,052	$159.70	2/2	Crprt	Manuf	Canal
	Not	1132 Waterway	0.11	7/10/2020	$129,000	1982	1,012	$127.47	2/2	Crprt	Manuf	Canal

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
465 Papaya Cr							$155,000			765
1108 Navajo	$1,565	$5,805	-$9,812				$126,558	18%		
1007 Barefoot	-$5,804	-$10,080	$6,643				$158,759	-2%		
1132 Waterway	-$3,859	$7,095	$9,382				$141,618	9%		
									8%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
19	Adjoins	455 Papaya	0.12	9/1/2020	$183,500	2005	1,620	$113.27	3/2	Crprt	Manuf	Canal
	Not	938 Waterway	0.11	2/12/2020	$160,000	1986	1,705	$93.84	2/2	Crprt	Manuf	Canal
	Not	719 Barefoot	0.12	4/14/2020	$150,000	1996	1,635	$91.74	3/2	Crprt	Manuf	Canal
	Not	904 Fir	0.17	9/27/2020	$192,500	2010	1,626	$118.39	3/2	Crprt	Manuf	Canal

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
455 Papaya							$183,500			750
938 Waterway	$2,724	$15,200	-$6,381				$171,542	7%		
719 Barefoot	$1,770	$6,750	-$1,101				$157,419	14%		
904 Fir	-$422	-$4,813	-$568				$186,697	-2%		
									6%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
37	Adjoins	419 Papaya	0.09	7/16/2019	$127,500	1986	1,303	$97.85	2/2	Crprt	Manuf	Green
	Not	865 Tamarind	0.12	2/4/2019	$133,900	1995	1,368	$97.88	2/2	Crprt	Manuf	Green
	Not	501 Papaya	0.10	6/15/2018	$109,000	1986	1,234	$88.33	2/2	Crprt	Manuf	
	Not	418 Papaya	0.09	8/28/2019	$110,000	1987	1,248	$88.14	2/2	Crprt	Manuf	

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
419 Papaya							$127,500			690
865 Tamarind	$1,828	-$6,026	-$5,090				$124,613	2%		
501 Papaya	$3,637	$0	$4,876			$5,000	$122,513	4%		
418 Papaya	-$399	-$550	$3,878			$5,000	$117,930	8%		
									5%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
39	Adjoins	413 Papaya	0.09	7/16/2020	$130,000	2001	918	$141.61	2/2	Crprt	Manuf	Grn/Upd
	Not	341 Loquat	0.09	2/3/2020	$118,000	1985	989	$119.31	2/2	Crprt	Manuf	Full Upd
	Not	1119 Pocatella	0.19	1/5/2021	$120,000	1993	999	$120.12	2/2	Crprt	Manuf	Green
	Not	1367 Barefoot	0.10	1/12/2021	$130,500	1987	902	$144.68	2/2	Crprt	Manuf	Green/Upd

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
413 Papaya							$130,000			690
341 Loquat	$1,631	$9,440	-$6,777				$122,294	6%		
1119 Pocatella	-$1,749	$4,800	-$7,784			$5,000	$120,267	7%		
1367 Barefoot	-$1,979	$9,135	$1,852				$139,507	-7%		
									2%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
48	Adjoins	343 Papaya	0.09	12/17/2019	$145,000	1986	1,508	$96.15	3/2	Crprt	Manuf	Gn/Fc/Upd
	Not	865 Tamarind	0.12	2/4/2019	$133,900	1995	1,368	$97.88	2/2	Crprt	Manuf	Green
	Not	515 Papaya	0.09	3/22/2018	$145,000	2005	1,376	$105.38	3/2	Crprt	Manuf	Green
	Not	849 Tamarind	0.15	6/26/2019	$155,000	1997	1,716	$90.33	3/2	Crprt	Manuf	Grn/Fnce

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
343 Papaya							$145,000			690
865 Tamarind	$3,566	-$6,026	$10,963				$142,403	2%		
515 Papaya	$7,759	-$13,775	$11,128				$150,112	-4%		
849 Tamarind	$2,273	-$8,525	-$15,030			$5,000	$138,717	4%		
									1%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
52	Nearby	335 Papaya	0.09	4/17/2018	$110,000	1987	1,180	$93.22	2/2	Crprt	Manuf	Green
	Not	865 Tamarind	0.12	2/4/2019	$133,900	1995	1,368	$97.88	2/2	Crprt	Manuf	Green
	Not	501 Papaya	0.10	6/15/2018	$109,000	1986	1,234	$88.33	2/2	Crprt	Manuf	
	Not	604 Puffin	0.09	10/23/2018	$110,000	1988	1,320	$83.33	2/2	Crprt	Manuf	

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
335 Papaya							$110,000			710
865 Tamarind	-$3,306	-$5,356	-$14,721			$0	$110,517	0%		
501 Papaya	-$542	$545	-$3,816			$5,000	$110,187	0%		
604 Puffin	-$1,752	-$550	-$9,333			$5,000	$103,365	6%		
									2%	

I also identified a new subdivision being developed just to the west of this solar farm called The Lakes at Sebastian Preserve. These are all canal-lot homes that are being built with homes starting at $271,000 based on the website and closed sales showing up to $342,000. According to Monique, the onsite broker with Holiday Builders, the solar farm is difficult to see from the lots that back up to that area and she does not anticipate any difficulty in selling those future homes or lots or any impact on the sales price. The closest home that will be built in this development will be approximately 340 feet from the nearest panel.

Based on the closed home prices in Barefoot Bay as well as the broker comments and activity at The Lakes at Sebastian Preserve, the data around this solar farm strongly indicates no negative impact on property value.

22. Matched Pair – Miami-Dade Solar Farm, Miami, FL



This project is located on 346.80 acres for a 74.5 MW facility. All of the adjoining uses are agricultural and residential. This project was built in 2019.

I considered the recent sale of Parcel 26 to the south that sold for over $1.6 million dollars. This home is located on 4.2 acres with additional value in the palm trees according to the listing. The comparables include similar homes nearby that are all actually on larger lots and several include avocado or palm tree income as well. All of the comparables are in similar proximity to the subject and all have similar proximity to the Miami-Dade Executive airport that is located 2.5 miles to the east.

These sales are showing no impact on the value of the property from the adjoining solar farm. The landscaping is considered light.

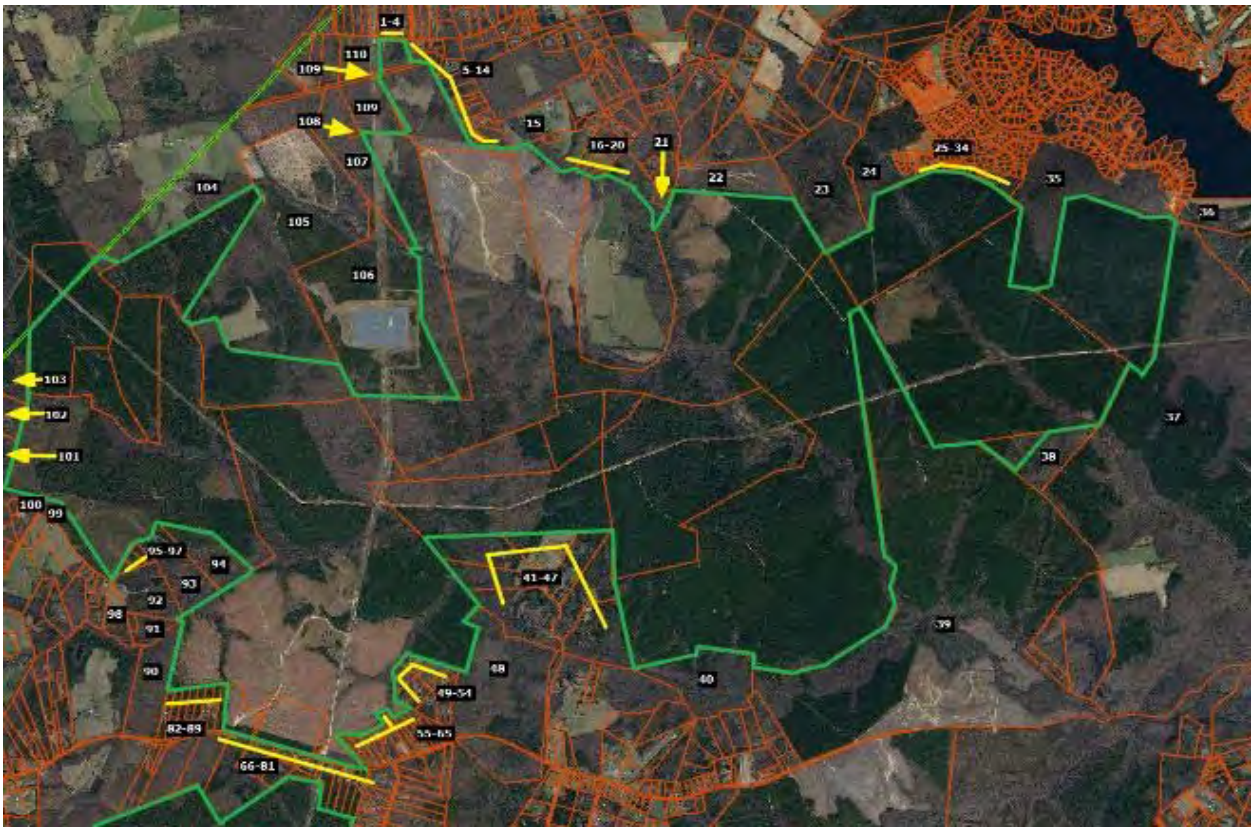
Adjoining Residential Sales After Solar Farm Approved

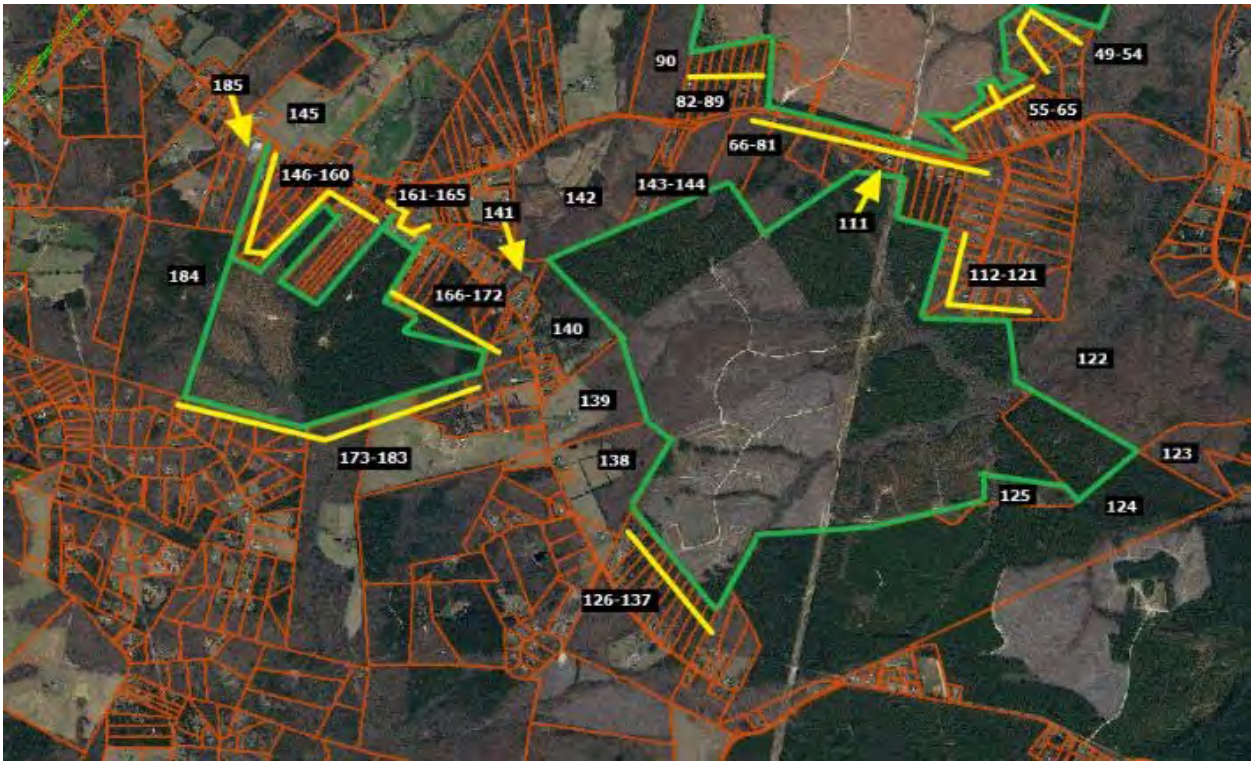
Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
26	Adjoins	13600 SW 182nd	4.20	11/5/2020	$1,684,000	2008	6,427	$262.02	5/5.5	3 Gar	CBS Rnch	Pl/Guest
	Not	18090 SW 158th	5.73	10/8/2020	$1,050,000	1997	3,792	$276.90	5/4	3 Gar	CBS Rnch	
	Not	14311 SW 187th	4.70	10/22/2020	$1,100,000	2005	3,821	$287.88	6/5	3 Gar	CBS Rnch	Pool
	Not	17950 SW 158th	6.21	10/22/2020	$1,730,000	2000	6,917	$250.11	6/5.5	2 Gar	CBS Rnch	Pool

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
13600 SW 182nd								$1,684,000			1390
18090 SW 158th	$2,478		$57,750	$583,703	$30,000			$1,723,930	-2%		
14311 SW 187th	$1,298		$16,500	$600,178	$10,000			$1,727,976	-3%		
17950 SW 158th	$2,041		$69,200	-$98,043		$10,000		$1,713,199	-2%		
										-2%	

23. Matched Pair – Spotsylvania Solar, Paytes, VA





This solar farm is being built in four phases with the area known as Site C having completed construction in November 2020 after the entire project was approved in April 2019. Site C, also known as Pleinmont 1 Solar, includes 99.6 MW located in the southeast corner of the project and shown on the maps above with adjoining parcels 111 through 144. The entire Spotsylvania project totals 617 MW on 3500 acres out of a parent tract assemblage of 6,412 acres.

I have identified three adjoining home sales that occurred during construction and development of the site in 2020.

The first is located on the north side of Site A on Orange Plank Road. The second is located on Nottoway Lane just north of Caparthin Road on the south side of Site A and east of Site C. The third is located on Post Oak Road for a home that backs up to Site C that sold in September 2020 near the completion of construction for Site C.

Spotsylvania Solar Farm

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	12901 Orng Plnk	5.20	8/27/2020	$319,900	1984	1,714	$186.64	3/2	Drive	1.5	Un Bsmt
Not	8353 Gold Dale	3.00	1/27/2021	$415,000	2004	2,064	$201.07	3/2	3 Gar	Ranch	
Not	6488 Southfork	7.26	9/9/2020	$375,000	2017	1,680	$223.21	3/2	2 Gar	1.5	Barn/Patio
Not	12717 Flintlock	0.47	12/2/2020	$290,000	1990	1,592	$182.16	3/2.5	Det Gar	Ranch	

Adjoining Sales Adjusted

Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
12901 Orng Plnk								$319,900		1270
8353 Gold Dale	-$5,219	$20,000	-$41,500	-$56,298		-$20,000		$311,983	2%	
6488 Southfork	-$401	-$20,000	-$61,875	$6,071		-$15,000		$283,796	11%	
12717 Flintlock	-$2,312	$40,000	-$8,700	$17,779	-$5,000	-$5,000		$326,767	-2%	
							Average Diff		4%	

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	9641 Nottoway	11.00	5/12/2020	$449,900	2004	3,186	$141.21	4/2.5	Garage	2-Story	Un Bsmt
Not	26123 Lafayette	1.00	8/3/2020	$390,000	2006	3,142	$124.12	3/3.5	Gar/DtG	2-Story	
Not	11626 Forest	5.00	8/10/2020	$489,900	2017	3,350	$146.24	4/3.5	2 Gar	2-Story	
Not	10304 Pny Brnch	6.00	7/27/2020	$485,000	1998	3,076	$157.67	4/4	2Gar/Dt2	Ranch	Fn Bsmt

Adjoining Sales Adjusted

Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
9641 Nottoway								$449,900		1950
26123 Lafayette	-$2,661	$45,000	-$3,900	$4,369	-$10,000	-$5,000		$417,809	7%	
11626 Forest	-$3,624		-$31,844	-$19,187		-$5,000		$430,246	4%	
10304 Pny Brnch	-$3,030		$14,550	$13,875	-$15,000	-$15,000	-$10,000	$470,396	-5%	
							Average Diff		2%	

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	13353 Post Oak	5.20	9/21/2020	$300,000	1992	2,400	$125.00	4/3	Drive	2-Story	Fn Bsmt
Not	9609 Logan Hgt	5.86	7/4/2019	$330,000	2004	2,352	$140.31	3/2	2Gar	2-Story	
Not	12810 Catharpian	6.18	1/30/2020	$280,000	2008	2,240	$125.00	4/2.5	Drive	2-Story	Bsmt/Nd Pnt
Not	10725 Rbrt Lee	5.01	10/26/2020	$295,000	1995	2,166	$136.20	4/3	Gar	2-Story	Fn Bsmt

Adjoining Sales Adjusted

Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
13353 Post Oak								$300,000		1171
9609 Logan Hgt	$12,070		-$19,800	$5,388		-$15,000	$15,000	$327,658	-9%	
12810 Catharpian	$5,408		-$22,400	$16,000	$5,000		$15,000	$299,008	0%	
10725 Rbrt Lee	-$849		-$4,425	$25,496		-$10,000		$305,222	-2%	
								Average Diff	-4%	

All three of these homes are well set back from the solar panels at distances over 1,000 feet and are well screened from the project. All three show no indication of any impact on property value.

There are a couple of recent lot sales located along Southview Court that have sold since the solar farm was approved. The most recent lot sales include 11700 Southview Court that sold on December 29, 2021 for $140,000 for a 0.76-acre lot. This property was on the market for less than 2 months before closing within 6% of the asking price. This lot sold earlier in September 2019 for $55,000 based on a liquidation sale from NTS to an investor.

A similar 0.68-acre lot at 11507 Stonewood Court within the same subdivision located away from the solar farm sold on March 9, 2021 for $109,000. This lot sold for 18% over the asking price within 1 month of listing suggesting that this was priced too low. Adjusting this lot value upward by 12% for very strong growth in the market over 2021, the adjusted indicated value is $122,080 for this lot. This is still showing a 15% premium for the lot backing up to the solar farm.

The lot at 11009 Southview Court sold on August 5, 2019 for $65,000, which is significantly lower than the more recent sales. This lot was sold by NTS the original developer of this subdivision, who was in the process of liquidating lots in this subdivision with multiple lot sales in this time period throughout the subdivision being sold at discounted prices. The home was later improved by the buyer with a home built in 2020 with 2,430 square feet ranch, 3.5 bathrooms, with a full basement, and a current assessed value of $492,300.

I spoke with Chris Kalia, MAI, Mark Doherty, local real estate investor, and Alex Doherty, broker, who are all three familiar with this subdivision and activity in this neighborhood. All three indicated that there was a deep sell off of lots in the neighborhood by NTS at discounted prices under $100,000 each. Those lots since that time are being sold for up to $140,000. The prices paid for the lots below $100,000 were liquidation values and not indicative of market value. Homes are being built in the neighborhood on those lots with home prices ranging from $600,000 to $800,000 with no sign of impact on pricing due to the solar farm according to all three sources.


New areas of new lot construction started after approval of solar farm in 2019 outlined in green.
Future development to the south shown with preliminary road clearing outlined in blue.
Fawn Lake Virginia
Ryan Homes at Fawn Lake
Brandermill Park
Cobble Run
Southview Ct
Whitehall Creek
Fawn Lake Pkwy
Pinnacle Dr


3
4
2
1
A
Brandermill Park
Cobble Run
Southview Ct
Whitehall Creek
Parcel A has a home site 470 feet from the nearest solar panel and adjoins the solar farm.
Google Eart

Fawn Lake Lot Sales

Parcel		Solar?	Address	Acres	Sale Date	Sale Price	Ad. For Time	% Diff
A		Adjoins	11700 Southview Ct	0.76	12/29/2021	$140,000		
	1	1 parcel away	11603 Southview Ct	0.44	3/31/2022	$140,000	$141,960	-1.4%
	2	Not adjoin	11507 Stonewood Ct	0.68	3/9/2021	$109,000	$118,374	15.4%
	3	Not adjoin	11312 Westgate Wy	0.83	10/15/2020	$125,000	$142,000	-1.4%
	4	Not adjoin	11409 Darkstone Pl	0.589	9/23/2021	$118,000	$118,000	15.7%

Average	7.1%
Median	7.0%

Least Adjusted	15.7%
2nd Least Adjusted	-1.4%
(Parcel 1 off solar farm)	

Time Adjustments are based on the FHFA Housing Price Index

Conclusion – SouthEast Over 5 MW

Southeast USA Over 5 MW
Matched Pair Summary

							Adj. Uses By Acreage				1 mile Radius (2010-2020 Data)			
	Name	City	State	Acres	MW	Topo Shift	Res	Ag	Ag/Res	Com/Ind	Pop.	Med. Income	Avg. Housing Unit	Veg. Buffer
1	AM Best	Goldsboro	NC	38	5.00	2	38%	0%	23%	39%	1,523	$37,358	$148,375	Light
2	Mulberry	Selmer	TN	160	5.00	60	13%	73%	10%	3%	467	$40,936	$171,746	Lt to Med
3	Leonard	Hughesville	MD	47	5.00	20	18%	75%	0%	6%	525	$106,550	$350,000	Light
4	Gastonia SC	Gastonia	NC	35	5.00	48	33%	0%	23%	44%	4,689	$35,057	$126,562	Light
5	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	$79,114	$281,731	Light
6	Tracy	Bailey	NC	50	5.00	10	29%	0%	71%	0%	312	$43,940	$99,219	Heavy
7	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667	Heavy
8	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	$63,678	$256,306	Lt to Med
9	Mariposa	Stanley	NC	36	5.00	96	48%	0%	52%	0%	1,716	$36,439	$137,884	Light
10	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	$81,022	$374,453	Light
11	Simon	Social Circle	GA	237	30.00	71	1%	63%	36%	0%	203	$76,155	$269,922	Medium
12	Candace	Princeton	NC	54	5.00	22	76%	24%	0%	0%	448	$51,002	$107,171	Medium
13	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	$80,773	$320,076	Light
14	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	$58,688	$183,435	Light
15	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	$60,037	$276,347	Light
16	Sunfish	Willow Spring	NC	50	6.40	30	35%	35%	30%	0%	1,515	$63,652	$253,138	Light
17	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	$51,410	$155,208	Light
18	Camden Dam	Camden	NC	50	5.00	0	17%	72%	11%	0%	403	$84,426	$230,288	Light
19	Grandy	Grandy	NC	121	20.00	10	55%	24%	0%	21%	949	$50,355	$231,408	Light
20	Champion	Pelion	SC	100	10.00	N/A	4%	70%	8%	18%	1,336	$46,867	$171,939	Light
21	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320	Lt to Med
22	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571	Light
23	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	$120,861	$483,333	Md to Hvy
	Average			485	57.04	38	24%	48%	22%	6%	923	$63,955	$237,700	
	Median			234	20.00	20	17%	59%	11%	0%	467	$60,037	$231,408	
	High			3,500	617.00	160	76%	98%	94%	44%	4,689	$120,861	$483,333	
	Low			35	5.00	0	1%	0%	0%	0%	48	$35,057	$99,219	

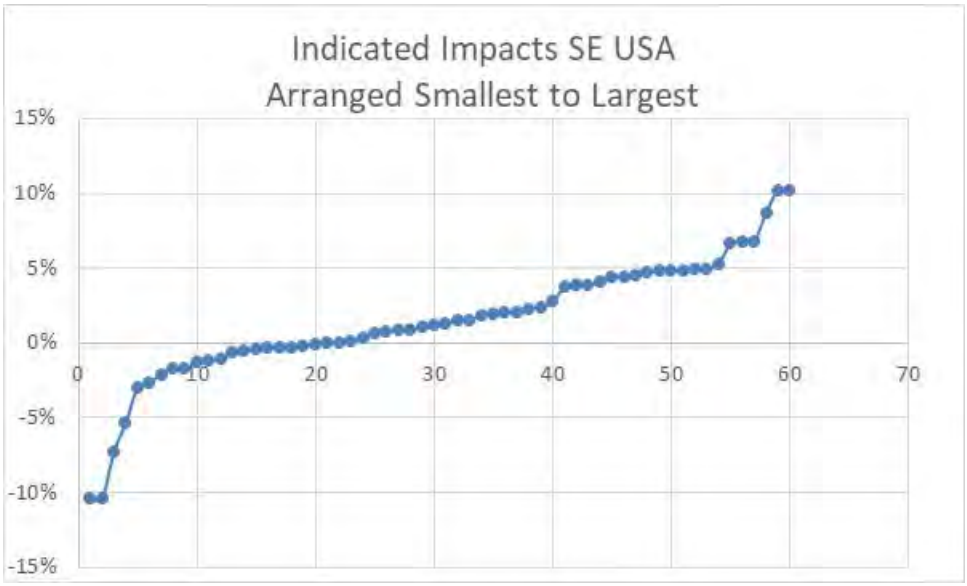
The solar farm matched pairs shown above have similar characteristics to each other in terms of population, but with several outliers showing solar farms in farm more urban areas. The median income for the population within 1 mile of a solar farm is $60,037 with a median housing unit value of $231,408. Most of the comparables are under $300,000 in the home price, with $483,333 being the high end of the set, though I have matched pairs in multiple states over $1,000,000 adjoining solar farms. The adjoining uses show that residential and agricultural uses are the predominant adjoining uses. These figures are in line with the larger set of solar farms that I have looked at with the predominant adjoining uses being residential and agricultural and similar to the subject property.

Based on the similarity of adjoining uses and demographic data between these sites and the subject property, I consider it reasonable to compare these sites to the subject property.

I have pulled 56 matched pairs from the above referenced solar farms to provide the following summary of home sale matched pairs and land sales next to solar farms. The summary shows that the range of differences is from -10% to +10% with an average of +1% and median of +1%. This means that the average and median impact is for a slight positive impact due to adjacency to a solar farm. However, this +1 to rate is within the typical variability I would expect from real estate. I therefore conclude that this data shows no negative or positive impact due to adjacency to a solar farm.

While the range is seemingly wide, the graph below clearly shows that the vast majority of the data falls between -5% and +5% and most of those are clearly in the 0 to +5% range. This data strongly supports an indication of no impact on adjoining residential uses to a solar farm.

I therefore conclude that these matched pairs support a finding of no impact on value at the subject property for the proposed project, which as proposed will include a landscaped buffer to screen adjoining residential properties.


Indicated Impacts SE USA
Arranged Smallest to Largest
15%
10%
5%
0%
-5%
-10%
-15%
0
10
20
30
40
50
60
70

Residential Dwelling Matched Pairs Adjoining Solar Farms

Pair	Solar Farm	City	State	MW	Approx Distance	Tax ID/Address	Date	Sale Price	Adj. Sale Price	% Diff	Veg. Buffer
1	AM Best	Goldsboro	NC	5	280	3600195570	Sep-13	$250,000			Light
						3600198928	Mar-14	$250,000	$250,000	0%	
2	AM Best	Goldsboro	NC	5	280	3600195361	Sep-13	$260,000			Light
						3600194813	Apr-14	$258,000	$258,000	1%	
3	AM Best	Goldsboro	NC	5	280	3600199891	Jul-14	$250,000			Light
						3600198928	Mar-14	$250,000	$250,000	0%	
4	AM Best	Goldsboro	NC	5	280	3600198632	Aug-14	$253,000			Light
						3600193710	Oct-13	$248,000	$248,000	2%	
5	AM Best	Goldsboro	NC	5	280	3600196656	Dec-13	$255,000			Light
						3601105180	Dec-13	$253,000	$253,000	1%	
6	AM Best	Goldsboro	NC	5	280	3600182511	Feb-13	$247,000			Light
						3600183905	Dec-12	$240,000	$245,000	1%	
7	AM Best	Goldsboro	NC	5	280	3600182784	Apr-13	$245,000			Light
						3600193710	Oct-13	$248,000	$248,000	-1%	
8	AM Best	Goldsboro	NC	5	280	3600195361	Nov-15	$267,500			Light
						3600195361	Sep-13	$260,000	$267,800	0%	
9	Mulberry	Selmer	TN	5	400	0900A011	Jul-14	$130,000			Light
						099CA043	Feb-15	$148,900	$136,988	-5%	
10	Mulberry	Selmer	TN	5	400	099CA002	Jul-15	$130,000			Light
						0990NA040	Mar-15	$120,000	$121,200	7%	
11	Mulberry	Selmer	TN	5	480	491 Dusty	Oct-16	$176,000			Light
						35 April	Aug-16	$185,000	$178,283	-1%	
12	Mulberry	Selmer	TN	5	650	297 Country	Sep-16	$150,000			Medium
						53 Glen	Mar-17	$126,000	$144,460	4%	
13	Mulberry	Selmer	TN	5	685	57 Cooper	Feb-19	$163,000			Medium
						191 Amelia	Aug-18	$132,000	$155,947	4%	
14	Leonard Rd	Hughesville	MD	5.5	230	14595 Box Elder	Feb-16	$291,000			Light
						15313 Bassford Rd	Jul-16	$329,800	$292,760	-1%	
15	Neal Hawkins	Gastonia	NC	5	225	609 Neal Hawkins	Mar-17	$270,000			Light
						1418 N Modena	Apr-18	$225,000	$242,520	10%	
16	Summit	Moyock	NC	80	1,060	129 Pinto	Apr-16	$170,000			Light
						102 Timber	Apr-16	$175,500	$175,101	-3%	
17	Summit	Moyock	NC	80	980	105 Pinto	Dec-16	$206,000			Light
						127 Ranchland	Jun-15	$219,900	$198,120	4%	
18	Tracy	Bailey	NC	5	780	9162 Winters	Jan-17	$255,000			Heavy
						7352 Red Fox	Jun-16	$176,000	$252,399	1%	
19	Manatee	Parrish	FL	75	1180	13670 Highland	Aug-18	$255,000			Heavy
						13851 Highland	Sep-18	$240,000	$255,825	0%	
20	McBride Place	Midland	NC	75	275	4380 Joyner	Nov-17	$325,000			Medium
						3870 Elkwood	Aug-16	$250,000	$317,523	2%	
21	McBride Place	Midland	NC	75	505	5811 Kristi	Mar-20	$530,000			Medium
						3915 Tania	Dec-19	$495,000	$504,657	5%	
22	Mariposa	Stanley	NC	5	1155	215 Mariposa	Dec-17	$249,000			Light
						110 Airport	May-16	$166,000	$239,026	4%	
23	Mariposa	Stanley	NC	5	570	242 Mariposa	Sep-15	$180,000			Light
						110 Airport	Apr-16	$166,000	$175,043	3%	
24	Clarke Cnty	White Post	VA	20	1230	833 Nations Spr	Jan-17	$295,000			Light
						6801 Middle	Dec-17	$249,999	$296,157	0%	
25	Candace	Princeton	NC	5	488	499 Herring	Sep-17	$215,000			Medium
						1795 Bay Valley	Dec-17	$194,000	$214,902	0%	
26	Walker	Barhamsville	VA	20	250	5241 Barham	Oct-18	$264,000			Light
						9252 Ordinary	Jun-19	$277,000	$246,581	7%	
27	AM Best	Goldsboro	NC	5	385	103 Granville Pl	Jul-18	$265,000			Light
						2219 Granville	Jan-18	$260,000	$265,682	0%	
28	AM Best	Goldsboro	NC	5	315	104 Erin	Jun-17	$280,000			Light
						2219 Granville	Jan-18	$265,000	$274,390	2%	
29	AM Best	Goldsboro	NC	5	400	2312 Granville	May-18	$284,900			Light
						2219 Granville	Jan-18	$265,000	$273,948	4%	

Residential Dwelling Matched Pairs Adjoining Solar Farms

Pair	Solar Farm	City	State	MW	Approx Distance	Tax ID/Address	Date	Sale Price	Adj. Sale Price	% Diff	Veg. Buffer
30	AM Best	Goldsboro	NC	5	400	2310 Granville	May-19	$280,000			Light
						634 Friendly	Jul-19	$267,000	$265,291	5%	
31	Summit	Moyock	NC	80	570	318 Green View	Sep-19	$357,000			Light
						336 Green View	Jan-19	$365,000	$340,286	5%	
32	Summit	Moyock	NC	80	440	164 Ranchland	Apr-19	$169,000			Light
						105 Longhorn	Oct-17	$184,500	$186,616	-10%	
33	Summit	Moyock	NC	80	635	358 Oxford	Sep-19	$478,000			Light
						176 Providence	Sep-19	$425,000	$456,623	4%	
34	Summit	Moyock	NC	80	970	343 Oxford	Mar-17	$490,000			Light
						218 Oxford	Apr-17	$525,000	$484,064	1%	
35	Innov 46	Hope Mills	NC	78.5	435	6849 Roslin Farm	Feb-19	$155,000			Light
						109 Bledsoe	Jan-19	$150,000	$147,558	5%	
36	Innov 42	Fayetteville	NC	71	340	2923 County Line	Feb-19	$385,000			Light
						2109 John McMillan	Apr-18	$320,000	$379,156	2%	
37	Innov 42	Fayetteville	NC	71	330	2935 County Line	Jun-19	$266,000			Light
						7031 Glynn Mill	May-18	$255,000	$264,422	1%	
38	Sunfish	Willow Sprng	NC	6.4	205	7513 Glen Willow	Sep-17	$185,000			Light
						205 Pine Burr	Dec-17	$191,000	$172,487	7%	
39	Neal Hawkins	Gastonia	NC	5	145	611 Neal Hawkins	Jun-17	$288,000			Light
						1211 Still Forrest	Jul-18	$280,000	$274,319	5%	
40	Clarke Cnty	White Post	VA	20	1230	833 Nations Spr	Aug-19	$385,000			Light
						2393 Old Chapel	Aug-20	$330,000	$389,286	-1%	
41	Sappony	Stony Creek	VA	20	1425	12511 Palestine	Jul-18	$128,400			Medium
						6494 Rocky Branch	Nov-18	$100,000	$131,842	-3%	
42	Camden Dam	Camden	NC	5	342	122 N Mill Dam	Nov-18	$350,000			Light
						548 Trotman	May-18	$309,000	$352,450	-1%	
43	Grandy	Grandy	NC	20	405	120 Par Four	Aug-19	$315,000			Light
						116 Barefoot	Sep-20	$290,000	$299,584	5%	
44	Grandy	Grandy	NC	20	477	269 Grandy	May-19	$275,000			Light
						103 Spring Leaf	Aug-18	$270,000	$275,912	0%	
45	Champion	Pelion	SC	10	505	517 Old Charleston	Aug-20	$110,000			Light
						1429 Laurel	Feb-19	$126,000	$107,856	2%	
46	Barefoot Bay	Barefoot Bay	FL	74.5	765	465 Papaya	Jul-19	$155,000			Medium
						1132 Waterway	Jul-20	$129,000	$141,618	9%	
47	Barefoot Bay	Barefoot Bay	FL	74.5	750	455 Papaya	Sep-20	$183,500			Medium
						904 Fir	Sep-20	$192,500	$186,697	-2%	
48	Barefoot Bay	Barefoot Bay	FL	74.5	690	419 Papaya	Jul-19	$127,500			Medium
						865 Tamarind	Feb-19	$133,900	$124,613	2%	
49	Barefoot Bay	Barefoot Bay	FL	74.5	690	413 Papaya	Jul-20	$130,000			Medium
						1367 Barefoot	Jan-21	$130,500	$139,507	-7%	
50	Barefoot Bay	Barefoot Bay	FL	74.5	690	343 Papaya	Dec-19	$145,000			Light
						865 Tamarind	Feb-19	$133,900	$142,403	2%	
51	Barefoot Bay	Barefoot Bay	FL	74.5	710	335 Papaya	Apr-18	$110,000			Light
						865 Tamarind	Feb-19	$133,900	$110,517	0%	
52	Miami-Dade	Miami	FL	74.5	1390	13600 SW 182nd	Nov-20	$1,684,000			Light
						17950 SW 158th	Oct-20	$1,730,000	$1,713,199	-2%	
53	Spotsylvania	Paytes	VA	617	1270	12901 Orange Plnk	Aug-20	$319,900			Medium
						12717 Flintlock	Dec-20	$290,000	$326,767	-2%	
54	Spotsylvania	Paytes	VA	617	1950	9641 Nottoway	May-20	$449,900			Medium
						11626 Forest	Aug-20	$489,900	$430,246	4%	
55	Spotsylvania	Paytes	VA	617	1171	13353 Post Oak	Sep-20	$300,000			Heavy
						12810 Catharpin	Jan-20	$280,000	$299,008	0%	
56	McBride Place	Midland	NC	75	470	5833 Kristi	Sep-20	$625,000			Light
						4055 Dakeita	Dec-20	$600,000	$594,303	5%	

MW	Avg. Distance
64.91	612
20.00	479
617.00	1,950
5.00	145

	Indicated Impact
Average	1%
Median	1%
High	10%
Low	-10%

I have further broken down these results based on the MWs, Landscaping, and distance from panel to show the following range of findings for these different categories.

Most of the findings are for homes between 201 and 500 feet. Most of the findings are for Light landscaping screens.

Light landscaping screens are showing no impact on value at any distances, including for solar farms over 75.1 MW.

MW Range 4.4 to 10									
Landscaping	**Light**	**Light**	**Light**	**Medium**	**Medium**	**Medium**	**Heavy**	**Heavy**	**Heavy**
Distance	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**
#	1	19	2	0	1	2	0	0	1
Average	5%	2%	3%	N/A	0%	4%	N/A	N/A	1%
Median	5%	1%	3%	N/A	0%	4%	N/A	N/A	1%
High	5%	10%	4%	N/A	0%	4%	N/A	N/A	1%
Low	5%	-5%	3%	N/A	0%	4%	N/A	N/A	1%

10.1 to 30									
Landscaping	**Light**	**Light**	**Light**	**Medium**	**Medium**	**Medium**	**Heavy**	**Heavy**	**Heavy**
Distance	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**
#	0	3	2	0	0	1	0	0	0
Average	N/A	4%	-1%	N/A	N/A	-3%	N/A	N/A	N/A
Median	N/A	5%	-1%	N/A	N/A	-3%	N/A	N/A	N/A
High	N/A	7%	0%	N/A	N/A	-3%	N/A	N/A	N/A
Low	N/A	0%	-1%	N/A	N/A	-3%	N/A	N/A	N/A

30.1 to 75									
Landscaping	**Light**	**Light**	**Light**	**Medium**	**Medium**	**Medium**	**Heavy**	**Heavy**	**Heavy**
Distance	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**
#	0	2	3	0	0	4	0	0	0
Average	N/A	1%	0%	N/A	N/A	0%	N/A	N/A	N/A
Median	N/A	1%	0%	N/A	N/A	0%	N/A	N/A	N/A
High	N/A	2%	2%	N/A	N/A	9%	N/A	N/A	N/A
Low	N/A	1%	-2%	N/A	N/A	-7%	N/A	N/A	N/A

75.1+									
Landscaping	**Light**	**Light**	**Light**	**Medium**	**Medium**	**Medium**	**Heavy**	**Heavy**	**Heavy**
Distance	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**
#	0	2	5	0	0	2	0	0	1
Average	N/A	-3%	2%	N/A	N/A	1%	N/A	N/A	0%
Median	N/A	-3%	4%	N/A	N/A	1%	N/A	N/A	0%
High	N/A	5%	5%	N/A	N/A	4%	N/A	N/A	0%
Low	N/A	-10%	-3%	N/A	N/A	-2%	N/A	N/A	0%

C. Summary of National Data on Solar Farms

I have worked in 19 states related to solar farms and I have been tracking matched pairs in most of those states. On the following pages I provide a brief summary of those findings showing 37 solar farms over 5 MW studied with each one providing matched pair data supporting the findings of this report.

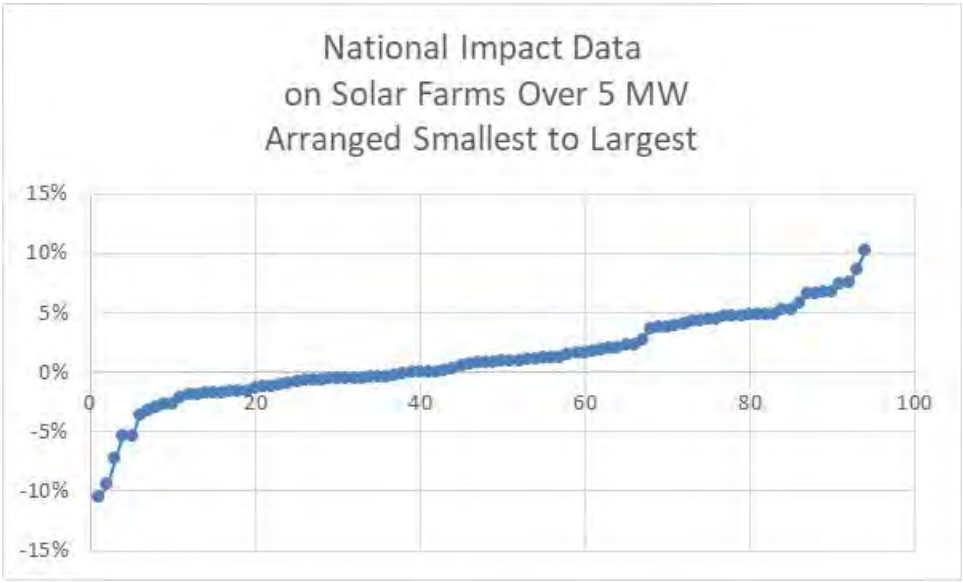
The solar farms summary is shown below with a summary of the matched pair data shown on the following page.

Matched Pair Summary							**Adj. Uses By Acreage**				**1 mile Radius (2010-2020 Data)**			
	Name	**City**	**State**	**Acres**	**MW**	**Topo Shift**	**Res**	**Ag**	**Ag/Res**	**Com/Ind**	**Popl.**	**Med. Income**	**Avg. Housing Unit**	**Veg. Buffer**
1	AM Best	Goldsboro	NC	38	5.00	2	38%	0%	23%	39%	1,523	$37,358	$148,375	Light
2	Mulberry	Selmer	TN	160	5.00	60	13%	73%	10%	3%	467	$40,936	$171,746	Lt to Med
3	Leonard	Hughesville	MD	47	5.00	20	18%	75%	0%	6%	525	$106,550	$350,000	Light
4	Gastonia SC	Gastonia	NC	35	5.00	48	33%	0%	23%	44%	4,689	$35,057	$126,562	Light
5	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	$79,114	$281,731	Light
7	Tracy	Bailey	NC	50	5.00	10	29%	0%	71%	0%	312	$43,940	$99,219	Heavy
8	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667	Heavy
9	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	$63,678	$256,306	Lt to Med
10	Grand Ridge	Streator	IL	160	20.00	1	8%	87%	5%	0%	96	$70,158	$187,037	Light
11	Dominion	Indianapolis	IN	134	8.60	20	3%	97%	0%	0%	3,774	$61,115	$167,515	Light
12	Mariposa	Stanley	NC	36	5.00	96	48%	0%	52%	0%	1,716	$36,439	$137,884	Light
13	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	$81,022	$374,453	Light
14	Flemington	Flemington	NJ	120	9.36	N/A	13%	50%	28%	8%	3,477	$105,714	$444,696	Lt to Med
15	Frenchtown	Frenchtown	NJ	139	7.90	N/A	37%	35%	29%	0%	457	$111,562	$515,399	Light
16	McGraw	East Windsor	NJ	95	14.00	N/A	27%	44%	0%	29%	7,684	$78,417	$362,428	Light
17	Tinton Falls	Tinton Falls	NJ	100	16.00	N/A	98%	0%	0%	2%	4,667	$92,346	$343,492	Light
18	Simon	Social Circle	GA	237	30.00	71	1%	63%	36%	0%	203	$76,155	$269,922	Medium
19	Candace	Princeton	NC	54	5.00	22	76%	24%	0%	0%	448	$51,002	$107,171	Medium
20	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	$80,773	$320,076	Light
21	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	$58,688	$183,435	Light
22	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	$60,037	$276,347	Light
23	Demille	Lapeer	MI	160	28.40	10	10%	68%	0%	22%	2,010	$47,208	$187,214	Light
24	Turrill	Lapeer	MI	230	19.60	10	75%	59%	0%	25%	2,390	$46,839	$110,361	Light
25	Sunfish	Willow Spring	NC	50	6.40	30	35%	35%	30%	0%	1,515	$63,652	$253,138	Light
26	Picture Rocks	Tucson	AZ	182	20.00	N/A	6%	88%	6%	0%	102	$81,081	$280,172	None
27	Avra Valley	Tucson	AZ	246	25.00	N/A	3%	94%	3%	0%	85	$80,997	$292,308	None
28	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	$51,410	$155,208	Medium
29	Camden Dam	Camden	NC	50	5.00	0	17%	72%	11%	0%	403	$84,426	$230,288	Light
30	Grandy	Grandy	NC	121	20.00	10	55%	24%	0%	21%	949	$50,355	$231,408	Light
31	Champion	Pelion	SC	100	10.00	N/A	4%	70%	8%	18%	1,336	$46,867	$171,939	Light
32	Eddy II	Eddy	TX	93	10.00	N/A	15%	25%	58%	2%	551	$59,627	$139,088	Light
33	Somerset	Somerset	TX	128	10.60	N/A	5%	95%	0%	0%	1,293	$41,574	$135,490	Light
34	DG Amp Piqua	Piqua	OH	86	12.60	2	26%	16%	58%	0%	6,735	$38,919	$96,555	Light
45	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320	Lt to Med
36	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571	Light
37	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	$120,861	$483,333	Med to Hvy
	Average			362	42.05	32	24%	52%	19%	6%	1,515	$66,292	$242,468	
	Median			150	17.80	10	16%	59%	7%	0%	560	$62,384	$230,848	
	High			3,500	617.00	160	98%	98%	94%	44%	7,684	$120,861	$515,399	
	Low			35	5.00	0	1%	0%	0%	0%	48	$35,057	$96,555	

From these 37 solar farms, I have derived 94 matched pairs. The matched pairs show no negative impact at distances as close as 105 feet between a solar panel and the nearest point on a home. The range of impacts is -10% to +10% with an average and median of +1%.

	MW	Avg. Distance		Indicated Impact
Average	44.80	569	**Average**	1%
Median	14.00	400	**Median**	1%
High	617.00	1,950	**High**	10%
Low	5.00	145	**Low**	-10%

While the range is broad, the two charts below show the data points in range from lowest to highest. There is only 3 data points out of 94 that show a negative impact. The rest support either a finding of no impact or 9 of the data points suggest a positive impact due to adjacency to a solar farm. As discussed earlier in this report, I consider this data to strongly support a finding of no impact on value as most of the findings are within typical market variation and even within that, most are mildly positive findings.



D. Larger Solar Farms

I have also considered larger solar farms to address impacts related to larger projects. Projects have been increasing in size and most of the projects between 100 and 1000 MW are newer with little time for adjoining sales. I have included a breakdown of solar farms with 20 MW to 80 MW facilities with one 617 MW facility.

Matched Pair Summary - @20 MW And Larger							Adj. Uses By Acreage				1 mile Radius (2010-2019 Data)			
	Name	City	State	Acres	MW	Topo Shift	Res	Ag	Ag/Res	Com/Ind	Popl.	Med. Income	Avg. Housing Unit	Veg. Buffer
1	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	$79,114	$281,731	Light
2	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667	Heavy
3	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	$63,678	$256,306	Lt to Med
4	Grand Ridge	Streator	IL	160	20.00	1	8%	87%	5%	0%	96	$70,158	$187,037	Light
5	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	$81,022	$374,453	Light
6	Simon	Social Circle	GA	237	30.00	71	1%	63%	36%	0%	203	$76,155	$269,922	Medium
7	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	$80,773	$320,076	Light
8	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	$58,688	$183,435	Light
9	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	$60,037	$276,347	Light
10	Demille	Lapeer	MI	160	28.40	10	10%	68%	0%	22%	2,010	$47,208	$187,214	Light
11	Turrill	Lapeer	MI	230	19.60	10	75%	59%	0%	25%	2,390	$46,839	$110,361	Light
12	Picure Rocks	Tucson	AZ	182	20.00	N/A	6%	88%	6%	0%	102	$81,081	$280,172	Light
13	Avra Valley	Tucson	AZ	246	25.00	N/A	3%	94%	3%	0%	85	$80,997	$292,308	None
14	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	$51,410	$155,208	None
15	Grandy	Grandy	NC	121	20.00	10	55%	24%	0%	21%	949	$50,355	$231,408	Medium
16	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320	Lt to Med
17	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571	Light
18	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	$120,861	$483,333	Med to Hvy
	Average			640	76.03		19%	64%	17%	4%	721	$69,501	$262,659	
	Median			335	29.20		12%	68%	2%	0%	293	$72,579	$273,135	
	High			3,500	617.00		75%	98%	94%	25%	2,446	$120,861	$483,333	
	Low			121	19.60		1%	0%	0%	0%	48	$36,737	$110,361	

The breakdown of adjoining uses, population density, median income and housing prices for these projects are very similar to those of the larger set. The matched pairs for each of these were considered earlier and support a finding of no negative impact on the adjoining home values.

I have included a breakdown of solar farms with 50 MW to 617 MW facilities adjoining.

Matched Pair Summary - @50 MW And Larger							Adj. Uses By Acreage				1 mile Radius (2010-2019 Data)			
	Name	City	State	Acres	MW	Topo Shift	Res	Ag	Ag/Res	Com/Ind	Popl.	Med. Income	Avg. Housing Unit	Veg. Buffer
1	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	$79,114	$281,731	Light
2	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667	Heavy
3	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	$63,678	$256,306	Lt to Med
4	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	$58,688	$183,435	Light
5	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	$60,037	$276,347	Light
6	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320	Lt to Med
7	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571	Light
8	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	$120,861	$483,333	Med to Hvy
	Average			1,142	143.19		19%	58%	23%	1%	786	$73,128	$289,964	
	Median			580	75.00		15%	67%	0%	0%	390	$69,339	$279,039	
	High			3,500	617.00		41%	97%	94%	3%	2,446	$120,861	$483,333	
	Low			347	71.00		2%	0%	0%	0%	48	$36,737	$143,320	

The breakdown of adjoining uses, population density, median income and housing prices for these projects are very similar to those of the larger set. The matched pairs for each of these were considered earlier and support a finding of no negative impact on the adjoining home values.

The data for these larger solar farms is shown in the SE USA and the National data breakdowns with similar landscaping, setbacks and range of impacts that fall mostly in the +/-5% range as can be seen earlier in this report.

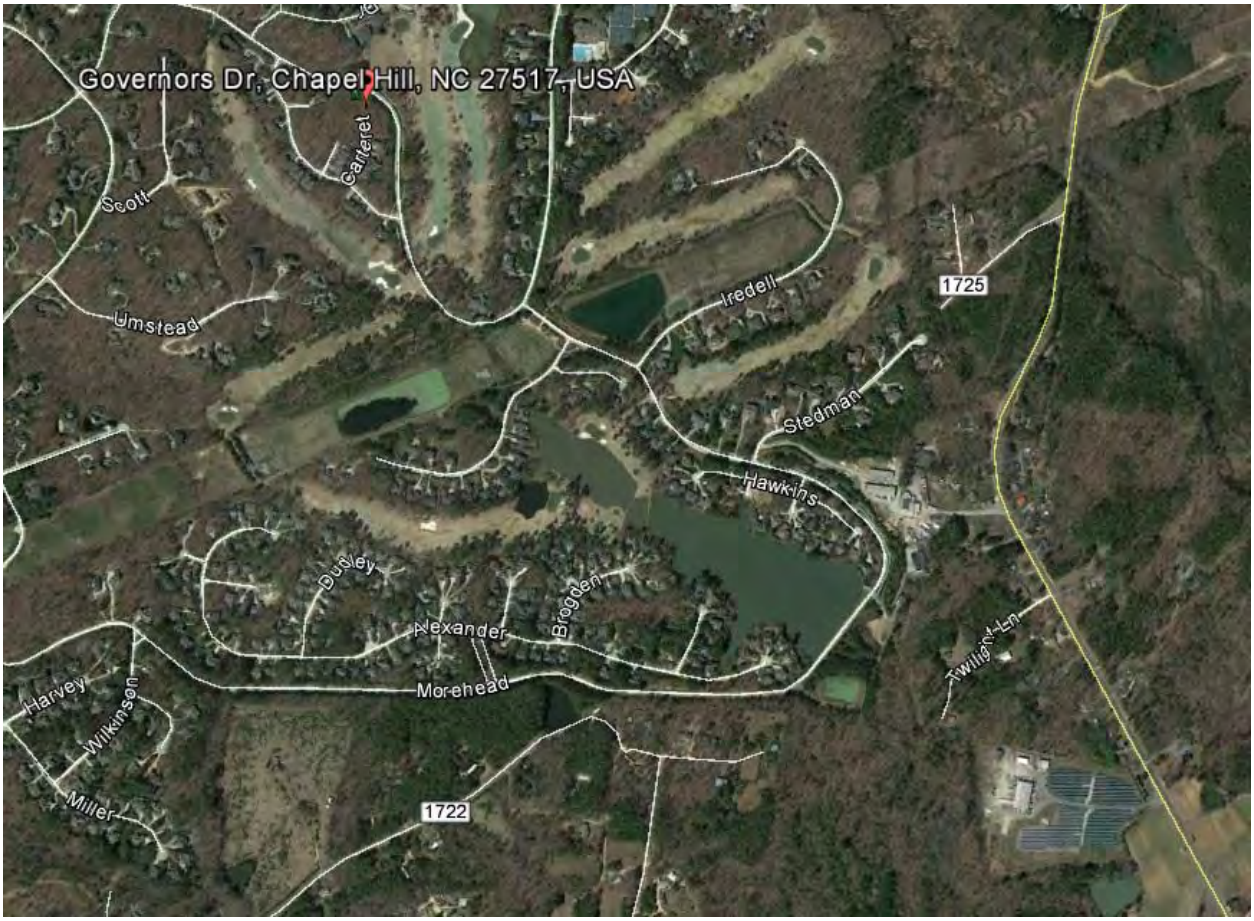
On the following page I show 81 projects ranging in size from 50 MW up to 1,000 MW with an average size of 111.80 MW and a median of 80 MW. The average closest distance for an adjoining home is 263 feet, while the median distance is 188 feet. The closest distance is 57 feet. The mix of adjoining uses is similar with most of the adjoining uses remaining residential or agricultural in nature. This is the list of solar farms that I have researched for possible matched pairs and not a complete list of larger solar farms in those states.

Parcel #	State	City	Name	Output (MW)	Total Acres	Used Acres	Avg. Dist to home	Closest Home	Adjoining Use by Acre Res	Agri	Ag/R	Com
78	NC	Moyock	Summit/Ranchland	80	2034		674	360	4%	94%	0%	2%
133	MS	Hattiesburg	Hattiesburg	50	1129	479.6	650	315	35%	65%	0%	0%
179	SC	Ridgeland	Jasper	140	1600	1000	461	108	2%	85%	13%	0%
211	NC	Enfield	Chestnut	75	1428.1		1,429	210	4%	96%	0%	0%
222	VA	Chase City	Grasshopper	80	946.25				6%	87%	5%	1%
226	VA	Louisa	Belcher	88	1238.1			150	19%	53%	28%	0%
305	FL	Dade City	Mountain View	55	347.12		510	175	32%	39%	21%	8%
319	FL	Jasper	Hamilton	74.9	1268.9	537	3,596	240	5%	67%	28%	0%
336	FL	Parrish	Manatee	74.5	1180.4		1,079	625	2%	50%	1%	47%
337	FL	Arcadia	Citrus	74.5	640				0%	0%	100%	0%
338	FL	Port Charlotte	Babcock	74.5	422.61				0%	0%	100%	0%
353	VA	Oak Hall	Amazon East(ern sh	80	1000		645	135	8%	75%	17%	0%
364	VA	Stevensburg	Greenwood	100	2266.6	1800	788	200	8%	62%	29%	0%
368	NC	Warsaw	Warsaw	87.5	585.97	499	526	130	11%	66%	21%	3%
390	NC	Ellerbe	Innovative Solar 34	50	385.24	226	N/A	N/A	1%	99%	0%	0%
399	NC	Midland	McBride	74.9	974.59	627	1,425	140	12%	78%	9%	0%
400	FL	Mulberry	Alafia	51	420.35		490	105	7%	90%	3%	0%
406	VA	Clover	Foxhound	91	1311.8		885	185	5%	61%	17%	18%
410	FL	Trenton	Trenton	74.5	480		2,193	775	0%	26%	55%	19%
411	NC	Battleboro	Fern	100	1235.4	960.71	1,494	220	5%	76%	19%	0%
412	MD	Goldsboro	Cherrywood	202	1722.9	1073.7	429	200	10%	76%	13%	0%
434	NC	Conetoe	Conetoe	80	1389.9	910.6	1,152	120	5%	78%	17%	0%
440	FL	Debary	Debary	74.5	844.63		654	190	3%	27%	0%	70%
441	FL	Hawthorne	Horizon	74.5	684				3%	81%	16%	0%
484	VA	Newsoms	Southampton	100	3243.9		-	-	3%	78%	17%	3%
486	VA	Stuarts Draft	Augusta	125	3197.4	1147	588	165	16%	61%	16%	7%
491	NC	Misenheimer	Misenheimer 2018	80	740.2	687.2	504	130	11%	40%	22%	27%
494	VA	Shacklefords	Walnut	110	1700	1173	641	165	14%	72%	13%	1%
496	VA	Clover	Piney Creek	80	776.18	422	523	195	15%	62%	24%	0%
511	NC	Scotland Neck	American Beech	160	3255.2	1807.8	1,262	205	2%	58%	38%	3%
514	NC	Reidsville	Williamsburg	80	802.6	507	734	200	25%	12%	63%	0%
517	VA	Luray	Cape	100	566.53	461	519	110	42%	12%	46%	0%
518	VA	Emporia	Fountain Creek	80	798.3	595	862	300	6%	23%	71%	0%
525	NC	Plymouth	Macadamia	484	5578.7	4813.5	1,513	275	1%	90%	9%	0%
526	NC	Mooresboro	Broad River	50	759.8	365	419	70	29%	55%	16%	0%
555	FL	Mulberry	Durrance	74.5	463.57	324.65	438	140	3%	97%	0%	0%
560	NC	Yadkinville	Sugar	60	477	357	382	65	19%	39%	20%	22%
561	NC	Enfield	Halifax 80mw 2019	80	1007.6	1007.6	672	190	8%	73%	19%	0%
577	VA	Windsor	Windsor	85	564.1	564.1	572	160	9%	67%	24%	0%
579	VA	Paytes	Spotsylvania	500	6412	3500			9%	52%	11%	27%
582	NC	Salisbury	China Grove	65	428.66	324.26	438	85	58%	4%	38%	0%
583	NC	Walnut Cove	Lick Creek	50	1424	185.11	410	65	20%	64%	11%	5%
584	NC	Enfield	Sweetleaf	94	1956.3	1250	968	160	5%	63%	32%	0%
586	VA	Aylett	Sweet Sue	77	1262	576	1,617	680	7%	68%	25%	0%
593	NC	Windsor	Sumac	120	3360.6	1257.9	876	160	4%	90%	6%	0%
599	TN	Somerville	Yum Yum	147	4000	1500	1,862	330	3%	32%	64%	1%
602	GA	Waynesboro	White Oak	76.5	516.7	516.7	2,995	1,790	1%	34%	65%	0%
603	GA	Butler	Butler GA	103	2395.1	2395.1	1,534	255	2%	73%	23%	2%
604	GA	Butler	White Pine	101.2	505.94	505.94	1,044	100	1%	51%	48%	1%
605	GA	Metter	Live Oak	51	417.84	417.84	910	235	4%	72%	23%	0%
606	GA	Hazelhurst	Hazelhurst II	52.5	947.15	490.42	2,114	105	9%	64%	27%	0%
607	GA	Bainbridge	Decatur Parkway	80	781.5	781.5	1,123	450	2%	27%	22%	49%
608	GA	Leslie-DeSoto	Americus	1000	9661.2	4437	5,210	510	1%	63%	36%	0%
616	FL	Fort White	Fort White	74.5	570.5	457.2	828	220	12%	71%	17%	0%
621	VA	Spring Grove	Loblolly	150	2181.9	1000	1,860	110	7%	62%	31%	0%
622	VA	Scottsville	Woodridge	138	2260.9	1000	1,094	170	9%	63%	28%	0%
625	NC	Middlesex	Phobos	80	754.52	734	356	57	14%	75%	10%	0%
628	MI	Deerfield	Carroll Road	200	1694.8	1694.8	343	190	12%	86%	0%	2%
633	VA	Emporia	Brunswick	150.2	2076.4	1387.3	1,091	240	4%	85%	11%	0%
634	NC	Elkin	Partin	50	429.4	257.64	945	155	30%	25%	15%	30%

Parcel #	State	City	Name	Output (MW)	Total Acres	Used Acres	Avg. Dist to home	Closest Home	Adjoining Use by Acre Res	Agri	Ag/R	Com
638	GA	Dry Branch	Twiggs	200	2132.7	2132.7	-	-	10%	55%	35%	0%
639	NC	Hope Mills	Innovative Solar 46	78.5	531.87	531.87	423	125	17%	83%	0%	0%
640	NC	Hope Mills	Innovative Solar 42	71	413.99	413.99	375	135	41%	59%	0%	0%
645	NC	Stanley	Hornet	75	1499.5	858.4	663	110	30%	40%	23%	6%
650	NC	Grifton	Grifton 2	56	681.59	297.6	363	235	1%	99%	0%	0%
651	NC	Grifton	Buckleberry	52.1	367.67	361.67	913	180	5%	54%	41%	0%
657	KY	Greensburg	Horseshoe Bend	60	585.65	395	1,394	63	3%	36%	61%	0%
658	KY	Campbellsville	Flat Run	55	429.76	429.76	408	115	13%	52%	35%	0%
666	FL	Archer	Archer	74.9	636.94	636.94	638	200	43%	57%	0%	0%
667	FL	New Smyrna Bea	Pioneer Trail	74.5	1202.8	900	1,162	225	14%	61%	21%	4%
668	FL	Lake City	Sunshine Gateway	74.5	904.29	472	1,233	890	11%	80%	8%	0%
669	FL	Florahome	Coral Farms	74.5	666.54	580	1,614	765	19%	75%	7%	0%
672	VA	Appomattox	Spout Spring	60	881.12	673.37	836	335	16%	30%	46%	8%
676	TX	Stamford	Alamo 7	106.4	1663.1	1050	-	-	6%	83%	0%	11%
677	TX	Fort Stockton	RE Roserock	160	1738.2	1500	-	-	0%	100%	0%	0%
678	TX	Lamesa	Lamesa	102	914.5	655	921	170	4%	41%	11%	44%
679	TX	Lamesa	Ivory	50	706	570	716	460	0%	87%	2%	12%
680	TX	Uvalde	Alamo 5	95	830.35	800	925	740	1%	93%	6%	0%
684	NC	Waco	Brookcliff	50	671.03	671.03	560	150	7%	21%	15%	57%
689	AZ	Arlington	Mesquite	320.8	3774.5	2617	1,670	525	8%	92%	0%	0%
692	AZ	Tucson	Avalon	51	479.21	352	-	-	0%	100%	0%	0%
				81								
			Average	111.80	1422.4	968.4	1031	263	10%	62%	22%	6%
			Median	80.00	914.5	646.0	836	188	7%	64%	17%	0%
			High	1000.00	9661.2	4813.5	5210	1790	58%	100%	100%	70%
			Low	50.00	347.1	185.1	343	57	0%	0%	0%	0%

VIII. Scope of Research

I have researched over 900 solar farms and sites on which solar farms are existing and proposed in North Carolina, Florida, Virginia as well as other states to determine what uses are typically found in proximity with a solar farm. The data I have collected and provide in this report strongly supports the assertion that solar farms are having no negative consequences on adjoining agricultural and residential values. While I have focused on adjoining values, I note that there are many examples of solar farms being located within a quarter mile of residential developments, including such notable developments as Governor's Club in Chapel Hill, which has a solar farm within a quarter mile as shown on the following aerial map. Governor's Club is a gated golf community with homes selling for $300,000 to over $2 million.



The subdivisions included in the matched pair analysis also show an acceptance of residential uses adjoining solar farms with no negative impact on property value.

Beyond these references, I have quantified the adjoining uses for a number of solar farm comparables to derive a breakdown of the adjoining uses for each solar farm. The chart below shows the breakdown of adjoining or abutting uses by total acreage.

Percentage By Adjoining Acreage									
	Res	Ag	Res/AG	Comm	Ind	Avg Home	Closest Home	All Res Uses	All Comm Uses
Average	19%	53%	20%	2%	6%	887	344	91%	8%
Median	11%	56%	11%	0%	0%	708	218	100%	0%
High	100%	100%	100%	93%	98%	5,210	4,670	100%	98%
Low	0%	0%	0%	0%	0%	90	25	0%	0%

Res = Residential, Ag = Agriculture, Com = Commercial

Total Solar Farms Considered: 705

I have also included a breakdown of each solar farm by number of adjoining parcels rather than acreage. Using both factors provides a more complete picture of the neighboring properties.

Percentage By Number of Parcels Adjoining									
	Res	Ag	Res/AG	Comm	Ind	Avg Home	Closest Home	All Res Uses	All Comm Uses
Average	61%	24%	9%	2%	4%	887	344	93%	6%
Median	65%	19%	5%	0%	0%	708	218	100%	0%
High	100%	100%	100%	60%	78%	5,210	4,670	105%	78%
Low	0%	0%	0%	0%	0%	90	25	0%	0%

Res = Residential, Ag = Agriculture, Com = Commercial

Total Solar Farms Considered: 705

Both of the above charts show a marked residential and agricultural adjoining use for most solar farms. Every single solar farm considered included an adjoining residential or residential agricultural use.

IX. Specific Factors Related To Impacts on Value

I have completed a number of Impact Studies related to a variety of uses and I have found that the most common areas for impact on adjoining values typically follow a hierarchy with descending levels of potential impact. I will discuss each of these categories and how they relate to a solar farm.

1. Hazardous material
2. Odor
3. Noise
4. Traffic
5. Stigma
6. Appearance

1. Hazardous material

A solar farm presents no potential hazardous waste byproduct as part of normal operation. Any fertilizer, weed control, vehicular traffic, or construction will be significantly less than typically applied in a residential development and even most agricultural uses.

The various solar farms that I have inspected and identified in the addenda have no known environmental impacts associated with the development and operation.

2. Odor

The various solar farms that I have inspected produced no odor.

3. Noise

Whether discussing passive fixed solar panels, or single-axis trackers, there is no negative impact associated with noise from a solar farm. The transformer reportedly has a hum similar to an HVAC that can only be heard in close proximity to this transformer and the buffers on the property are sufficient to make emitted sounds inaudible from the adjoining properties. No sound is emitted from the facility at night.

The various solar farms that I have inspected were inaudible from the roadways.

4. Traffic

The solar farm will have no onsite employee's or staff. The site requires only minimal maintenance. Relative to other potential uses of the site (such as a residential subdivision), the additional traffic generated by a solar farm use on this site is insignificant.

5. Stigma

There is no stigma associated with solar farms and solar farms and people generally respond favorably towards such a use. While an individual may express concerns about proximity to a solar farm, there is no specific stigma associated with a solar farm. Stigma generally refers to things such as adult establishments, prisons, rehabilitation facilities, and so forth.

Solar panels have no associated stigma and in smaller collections are found in yards and roofs in many residential communities. Solar farms are adjoining elementary, middle and high schools as well as churches and subdivisions. I note that one of the solar farms in this report not only adjoins

a church, but is actually located on land owned by the church. Solar panels on a roof are often cited as an enhancement to the property in marketing brochures.

I see no basis for an impact from stigma due to a solar farm.

6. Appearance

I note that larger solar farms using fixed or tracking panels are a passive use of the land that is in keeping with a rural/residential area. As shown below, solar farms are comparable to larger greenhouses. This is not surprising given that a greenhouse is essentially another method for collecting passive solar energy. The greenhouse use is well received in residential/rural areas and has a similar visual impact as a solar farm.









The solar panels are all less than 15 feet high, which means that the visual impact of the solar panels will be similar in height to a typical greenhouse and lower than a single-story residential dwelling. Were the subject property developed with single family housing, that development would have a much greater visual impact on the surrounding area given that a two-story home with attic could be three to four times as high as these proposed panels.

Whenever you consider the impact of a proposed project on viewshed or what the adjoining owners may see from their property it is important to distinguish whether or not they have a protected viewshed or not. Enhancements for scenic vistas are often measured when considering properties that adjoin preserved open space and parks. However, adjoining land with a preferred view today conveys no guarantee that the property will continue in the current use. Any consideration of the impact of the appearance requires a consideration of the wide variety of other uses a property already has the right to be put to, which for solar farms often includes subdivision development, agricultural business buildings such as poultry, or large greenhouses and the like.

Dr. Randall Bell, MAI, PhD, and author of the book **Real Estate Damages**, Third Edition, on Page 146 "Views of bodies of water, city lights, natural settings, parks, golf courses, and other amenities are considered desirable features, particularly for residential properties." Dr. Bell continues on Page

147 that "View amenities may or may not be protected by law or regulation. It is sometimes argued that views have value only if they are protected by a view easement, a zoning ordinance, or covenants, conditions, and restrictions (CC&Rs), although such protections are relatively uncommon as a practical matter. The market often assigns significant value to desirable views irrespective of whether or not such views are protected by law."

Dr. Bell concludes that a view enhances adjacent property, even if the adjacent property has no legal right to that view. He then discusses a "borrowed" view where a home may enjoy a good view of vacant land or property beyond with a reasonable expectation that the view might be partly or completely obstructed upon development of the adjoining land. He follows that with "This same concept applies to potentially undesirable views of a new development when the development conforms to applicable zoning and other regulations. Arguing value diminution in such cases is difficult, since the possible development of the offending property should have been known." In other words, if there is an allowable development on the site then arguing value diminution with such a development would be difficult. This further extends to developing the site with alternative uses that are less impactful on the view than currently allowed uses.

This gets back to the point that if a property has development rights and could currently be developed in such a way that removes the viewshed such as a residential subdivision, then a less intrusive use such as a solar farm that is easily screened by landscaping would not have a greater impact on the viewshed of any perceived value adjoining properties claim for viewshed. Essentially, if there are more impactful uses currently allowed, then how can you claim damages for a less impactful use.

7. Conclusion

On the basis of the factors described above, it is my professional opinion that the proposed solar farm will not negatively impact adjoining property values. The only category of impact of note is appearance, which is addressed through setbacks and landscaping buffers. The matched pair data supports that conclusion.

X. Conclusion

The matched pair analysis shows no negative impact in home values due to abutting or adjoining a solar farm as well as no impact to abutting or adjacent vacant residential or agricultural land. The criteria that typically correlates with downward adjustments on property values such as noise, odor, and traffic all support a finding of no impact on property value.

Very similar solar farms in very similar areas have been found by hundreds of towns and counties not to have a substantial injury to abutting or adjoining properties, and many of those findings of no impact have been upheld by appellate courts. Similar solar farms have been approved adjoining agricultural uses, schools, churches, and residential developments.

I have found no difference in the mix of adjoining uses or proximity to adjoining homes based on the size of a solar farm and I have found no significant difference in the matched pair data adjoining larger solar farms versus smaller solar farms. The data in the Southeast is consistent with the larger set of data that I have nationally.

Based on the data and analysis in this report, it is my professional opinion that the solar farm proposed at the subject property will have no negative impact on the value of adjoining or abutting property. I note that some of the positive implications of a solar farm that have been expressed by people living next to solar farms include protection from future development of residential developments or other more intrusive uses, reduced dust, odor and chemicals from former farming operations, protection from light pollution at night, it's quiet, and there is no traffic.

XI. Certification

I certify that, to the best of my knowledge and belief:

1. The statements of fact contained in this report are true and correct;

2. The reported analyses, opinions, and conclusions are limited only by the reported assumptions and limiting conditions, and are my personal, unbiased professional analyses, opinions, and conclusions;

3. I have no present or prospective interest in the property that is the subject of this report and no personal interest with respect to the parties involved;

4. I have no bias with respect to the property that is the subject of this report or to the parties involved with this assignment;

5. My engagement in this assignment was not contingent upon developing or reporting predetermined results;

6. My compensation for completing this assignment is not contingent upon the development or reporting of a predetermined value or direction in value that favors the cause of the client, the amount of the value opinion, the attainment of a stipulated result, or the occurrence of a subsequent event directly related to the intended use of the appraisal;

7. The reported analyses, opinions, and conclusions were developed, and this report has been prepared, in conformity with the requirements of the Code of Professional Ethics and Standards of Professional Appraisal Practice of the Appraisal Institute;

8. My analyses, opinions and conclusions were developed, and this report has been prepared, in conformity with the Uniform Standards of Professional Appraisal Practice.

9. The use of this report is subject to the requirements of the Appraisal Institute relating to review by its duly authorized representatives;

10. I have not made a personal inspection of the property that is the subject of this report, and;

11. No one provided significant real property appraisal assistance to the person signing this certification.

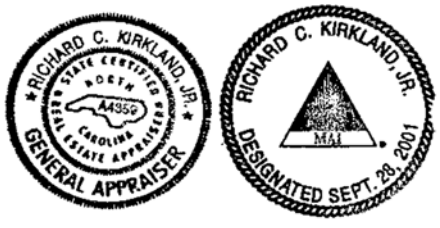
12. As of the date of this report I have completed the continuing education program for Designated Members of the Appraisal Institute;

13. I have not performed services, regarding the property that is the subject of this report within the three-year period immediately preceding acceptance of this assignment.

Disclosure of the contents of this appraisal report is governed by the bylaws and regulations of the Appraisal Institute and the National Association of Realtors.

Neither all nor any part of the contents of this appraisal report shall be disseminated to the public through advertising media, public relations media, news media, or any other public means of communications without the prior written consent and approval of the undersigned.





Richard C. Kirkland, Jr., MAI
State Certified General Appraiser

Kirkland Appraisals, LLC

Richard C. Kirkland, Jr., MAI
9408 Northfield Court
Raleigh, North Carolina 27603
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Professional Experience

Kirkland Appraisals, LLC, Raleigh, N.C. — 2003 – Present
Commercial appraiser

Hester & Company, Raleigh, N.C.
Commercial appraiser — 1996 – 2003

Professional Affiliations

MAI (Member, Appraisal Institute) designation #11796 — 2001
NC State Certified General Appraiser # A4359 — 1999
VA State Certified General Appraiser # 4001017291
SC State Certified General Appraiser # 6209
FL State Certified General Appraiser # RZ3950
IL State Certified General Appraiser # 553.002633
KY State Certified General Appraiser # 5522

Education

Bachelor of Arts in English, University of North Carolina, Chapel Hill — 1993

Continuing Education

Florida Appraisal Laws and Regulations	2020
Michigan Appraisal Law	2020
Uniform Standards of Professional Appraisal Practice Update	2020
Uniform Appraisal Standards for Federal Land Acquisitions (Yellow Book)	2019
The Cost Approach	2019
Income Approach Case Studies for Commercial Appraisers	2018
Introduction to Expert Witness Testimony for Appraisers	2018
Appraising Small Apartment Properties	2018
Florida Appraisal Laws and Regulations	2018
Uniform Standards of Professional Appraisal Practice Update	2018
Appraisal of REO and Foreclosure Properties	2017
Appraisal of Self Storage Facilities	2017
Land and Site Valuation	2017
NCDOT Appraisal Principles and Procedures	2017
Uniform Standards of Professional Appraisal Practice Update	2016
Forecasting Revenue	2015
Wind Turbine Effect on Value	2015
Supervisor/Trainee Class	2015
Business Practices and Ethics	2014
Subdivision Valuation	2014
Uniform Standards of Professional Appraisal Practice Update	2014
Introduction to Vineyard and Winery Valuation	2013

Appraising Rural Residential Properties	2012
Uniform Standards of Professional Appraisal Practice Update	2012
Supervisors/Trainees	2011
Rates and Ratios: Making sense of GIMs, OARs, and DCFs	2011
Advanced Internet Search Strategies	2011
Analyzing Distressed Real Estate	2011
Uniform Standards of Professional Appraisal Practice Update	2011
Business Practices and Ethics	2011
Appraisal Curriculum Overview (2 Days – General)	2009
Appraisal Review - General	2009
Uniform Standards of Professional Appraisal Practice Update	2008
Subdivision Valuation: A Comprehensive Guide	2008
Office Building Valuation: A Contemporary Perspective	2008
Valuation of Detrimental Conditions in Real Estate	2007
The Appraisal of Small Subdivisions	2007
Uniform Standards of Professional Appraisal Practice Update	2006
Evaluating Commercial Construction	2005
Conservation Easements	2005
Uniform Standards of Professional Appraisal Practice Update	2004
Condemnation Appraising	2004
Land Valuation Adjustment Procedures	2004
Supporting Capitalization Rates	2004
Uniform Standards of Professional Appraisal Practice, C	2002
Wells and Septic Systems and Wastewater Irrigation Systems	2002
Appraisals 2002	2002
Analyzing Commercial Lease Clauses	2002
Conservation Easements	2000
Preparation for Litigation	2000
Appraisal of Nonconforming Uses	2000
Advanced Applications	2000
Highest and Best Use and Market Analysis	1999
Advanced Sales Comparison and Cost Approaches	1999
Advanced Income Capitalization	1998
Valuation of Detrimental Conditions in Real Estate	1999
Report Writing and Valuation Analysis	1999
Property Tax Values and Appeals	1997
Uniform Standards of Professional Appraisal Practice, A & B	1997
Basic Income Capitalization	1996

SIEBEIN ACOUSTIC
ARCHITECTURAL | ENVIRONMENTAL

Siebein Associates, Inc.
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Telephone - (352) 331-5111 Facsimile: (352) 331-0009

March 23, 2023

Mr. Andy Cerrato
Project Development Manager (U.S.)
Solariant Capital, LLC
301 North Lake Avenue, Suite 950
Pasadena, California 91101

Dear Andy,

This letter presents the site noise study for the Solariant Solar Energy Facility in Alachua, Florida. The purpose of this study was to determine if sounds produced on site would meet the sound level limits of the Alachua County noise ordinance. Acoustical measurements of existing ambient noise levels were recorded on site for a 6 day period of time from December 17-23, 2022; and December 28, 2022 to January 1, 2023. Short term measurements of specific acoustic events including distant aircraft flyovers, distant traffic noise, trucks driving on CR 235A (173rd Street) birds, insects, wind in the trees and other wildlife were also made during the site visits. A computer model of the solar facility with the proposed inverters was constructed and sound level contours were propagated from the facility to surrounding properties. Sound levels from the facility at all property lines are more than 10 dB less than the levels allowed by ordinance and are within the range of ambient sound levels measured on site. It was determined that sounds produced on site would meet the sound level limits of the Alachua County noise ordinance and were within the range of measured ambient sound levels on site.

SOUND LEVELS AND DECIBELS

Sound is defined as a pressure disturbance in the air caused by a vibrating body that is capable of being heard or detected by the human ear. The average sound pressure level or equivalent continuous sound level (LAeq) of a time-varying sound is defined as the level of an equivalent steady sound at a specific location for the same measurement duration that has the same A-weighted sound energy as the time-varying sound. The maximum A-weighted sound level or LAFmax is the greatest sound level measured on a sound level meter using the fast response of the sound level meter during a designated time duration and an A-weighted filter. The L10 is the fast, A-weighted sound level exceeded 10 percent of the time. Sounds are typically measured in decibels. A decibel is 10 times the logarithm to the base 10 of the pressure disturbance in the air compared to the pressure at the threshold of human hearing. Decibels cannot be added directly because they are logarithmic ratios. For example, 2 sounds of 50 decibels each added together result in a sound of 53 dB, not 100 dB. A summary of the way that sounds of different levels are added together is shown in Table 1.

Table 1. Examples of the addition of different sound levels (dBA).

Sound level 1	Sound level 2	Combined sound level	Explanation
50 dBA	50 dBA	53 dBA	When two sounds of equal level are combined, the result is a 3 dB increase in sound level
50 dBA	52 dBA	54 dBA	When one sound is combined with another sound that is 2-3 dB louder than first sound, the combined sound level is 2 dB louder than the louder sound
50 dBA	55 dBA	56 dBA	When one sound is combined with another sound that is 4-7 dB louder than the first sound, the combined sound level is 1 dB louder than the louder sound

Sound level 1	Sound level 2	Combined sound level	Explanation
50 dBA	60 dBA	60 dBA	When one sound is 10 dB louder than another, the combined sound level is approximately equal to the louder sound level

The differences in sound levels are not perceived by people linearly either. One sound must be 10 dB louder than another sound for it to be heard as approximately twice as loud as the first sound. A sound that is 0 to 1 dB louder than another sound is heard as approximately the same loudness as the first sound. A sound that is 2 to 3 dB louder than another sound is heard as barely louder than the first sound. A sound that is 5 to 6 dB louder than another sound is heard as noticeably louder, but not twice as loud as the first sound. A summary of the perception of the relative loudness of two sounds is shown in Table 2. An acoustic thermometer showing the sound levels associated with different sounds is shown in Figure 1.

The sound levels are measured in A-weighted decibels or dBA. An A-weighted decibel is one that has been adjusted so it corresponds to the relative loudness of middle level sounds as they are heard by human listeners. The low frequency or bass sounds are reduced by the A-weighting process and the higher pitch sounds that human ears are more sensitive to are increased slightly by the A-weighting process.

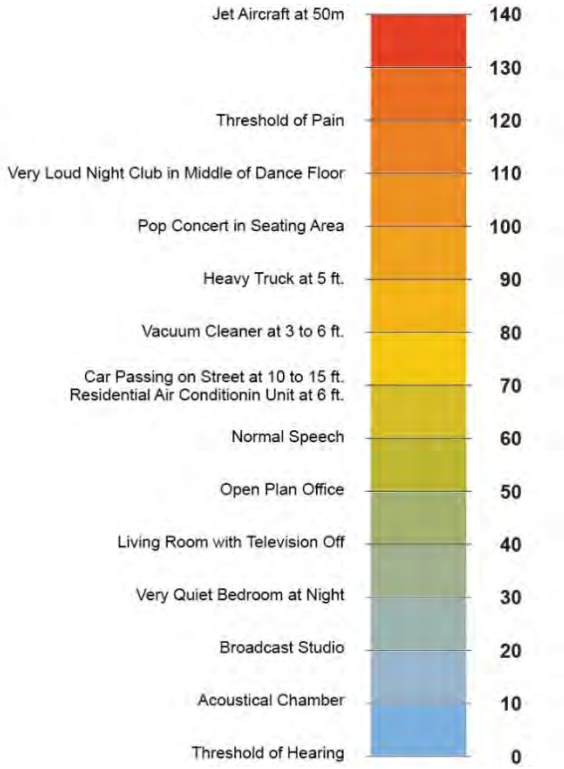


Figure 1. Acoustical thermometer showing the relative loudness of various sounds in dBA

Table 2. Perception of the relative loudness of 2 sounds.

Difference in sound level between two sounds	The louder sound is perceived as ____ the quieter sound
0 to 1 dB	Almost the same as
2-3 dB	Barely louder than
5-6 dB	Noticeably louder than, but not twice as loud as
10-12 dB	Approximately twice as loud as
15 dB	Approximately three times as loud as
20 dB	Approximately four times as loud as

In general terms, sound levels of 30 to 40 dBA are usually perceived by people as being relatively quiet. Normal conversation measured at approximately 3 feet from the person speaking is 60 to 65 dBA. Cars passing on a street, a washing machine, coffee grander, or a residential air-conditioning unit are approximately 65 to 75 dBA. Loud night clubs, machinery in a factory and amplified music at concerts are often played at levels of 100 to 110 dBA.

METHOD

The method for the Site Noise Study consisted of the items listed below.

I. Take long-term sound level measurements at 4 locations on site to document the range of sound levels that occur over a 6 day period of time.

II. Take short-term sound level measurements at 8 locations on the site to help establish design criteria for the project.

III. Construct a 3-dimensional computer model of the site and the proposed Solariant solar energy facility to determine sound levels at surrounding properties based on sound pressure level data received from the manufacturer for the inverters.

IV. Produce noise contours for the site showing anticipated sound levels on the site and propagated into the surrounding areas to determine if sound levels from the facility comply with the applicable noise ordinance.

CRITERIA

Alachua County Noise Ordinance:

The Alachua County Code of Ordinances Chapter 110. – Noise Control, Section 110.04 *Noise generated across real property lines* states that "noise from any activity or from any permissible use of property within the applicable zoning district classifications of Alachua County shall be deemed to be excessive, unnecessary, offensive and unusually loud if the total noise level as measured on the A-scale due to both ambient noise, and the alleged source of the unnecessary, offensive or excessive noise, exceeds the noise levels which are in prescribed in Table I, the measurement of which is based upon decibels, i.e. 0.0002 microbar. All such measurements as well as the method employed shall be consistent with the regulations of the American National Standards Institute, Inc., and shall represent the A-weighted sound pressure level which is exceeded ten percent of the time (L10) during the observation period". According to section 110.04 Table 1, the sound level limits are 60 dBA Daytime, 55 dBA Nighttime for Residential Occupancies.

Daytime as defined in the Noise Ordinance "the hours between 7:00 a.m. and 9:00 p.m. of the same day."

The hours of operation when the solar panels and inverters will be active for the proposed solar energy facility are proposed to be from sunrise to sunset.

INSTRUMENTATION

Short Term Measurements of Specific Acoustic Events

A Larson Davis Model 831 Sound Level Meter, which meets ANSI S1.4 requirements for type 1 sound level meters was used to record the overall A-weighted average sound levels as well as flat-weighted 1/1 and 1/3 octave band levels at the site for specific acoustic events. The meter was calibrated with a Larson Davis CAL 200 calibrator prior to and after testing and found to be within 0.1 dB of the initial calibration after testing. The microphone was held approximately 5' - 6' above the ground. A windscreen was attached to the microphone for all measurements. Qualitative observations of the type and character of sounds were noted by the Consultants during the measurement process. A tabular summary of A-weighted sound levels recorded at each location with qualitative descriptions of specific acoustic events are included in Appendix B.

Long Term Measurements of Average Sound Levels on the Solariant Alachua Solar Site

Long term measurements of average sound levels on the site and near adjacent properties were made with one Rion NL-52 and 3 Svantek SV-307A integrating sound level meters. The Rion equipment meets ANSI requirements for type I sound level meters. The meter was set to the fast, A-weighted mode to acquire data. The equipment was calibrated with a Larson Davis Cal 200 calibrator prior to and after testing. The calibration level was within ±0.1 dB from the beginning of the measurement period to the end. The microphones were covered with wind screens.

The Svantek SV307A meters meet the IEC 61672-1:2013 for Class I sound level meters. The meters recorded the overall A-weighted average sound levels as well as flat-weighted 1/1 and 1/3 octave band levels at the site for the existing ambient sound levels. The Svantek SV 307A meters are internally calibrated before and after each use. The microphones were mounted approximately 5' - 6' above the ground and chained to trees at each location. A windscreen was attached to each microphone for all measurements.

The Rion NL-52 was strapped to a tree on the east side of the property and placed approximately at the same distance from the County Road 235A (NW 173rd Street) at approximately the same distance from the road as the residence across the street is from the road to the east at approximately 5.5 ft. above grade.

Svantek 205 (Green) was strapped to a tree approximately 450 ft. from the western boundary of the site at approximately 5.5 ft above grade.

Svantek 203 (Blue) was strapped to a tree off the entry road to the site off CR 2054 (Peggy Road) approximately 800 ft north of CR 2054.

Svantek 204 (Red) was strapped to a tree along the border between the woods and the farm field approximately 450 ft. south of NW 138th Avenue near the north side of the site.

The meters were placed in secure weather proof boxes to record sound levels for approximately 6 days each.

Sound levels at Svantek 205 (Green) varied between 28 and 52 dBA with several excursions each day to 55 to 61 dBA. The Day-Night Average sound levels varied between 42 and 52 dBA at this location.

Sound levels at Svantek 203 (Blue) varied between 30 and 60 dBA with several excursions to 60 dBA and higher. The higher sound levels are likely farm equipment passing in the vicinity of the sound level meter.

The Day-Night Average sound levels varied between 48 and 58 dBA at this location.

Sound levels at Svantek 204 (Red) near 138th Street varied between 31 and 60 dBA with several excursions to 60 dBA and higher. The Day-Night Average sound levels varied between 51 and 60 dBA at this location.

Sound levels at Rion 8 off CR 235A varied between 35 and 63 dBA with several excursions to 65 dBA and higher. The Day-Night Average sound levels varied between 58 and 62 dBA at this location. The variation in LDN's is smaller at this location than at the other measurement locations because the sounds are dominated by traffic and trucks driving on CR 235A. The traffic is fairly constant during the day.

There is a larger variation in sound levels and LDN's at the other measurement locations because the quieter levels occur when there is little activity near the measurement location. The higher sound levels occur when there is more activity such as agricultural activities on the property and traffic on the nearby roads.



Figure 2. Site map with short and long term measurement locations shown. Long term measurement locations are shown with yellow dots, short term measurement locations are shown with blue dots.

Short term measurements were made at the same locations as the long term measurements and in 4 additional locations: one on each side of the existing substation across the NW 138th Avenue from the project site.

Short term sound levels of 33 to 43 dBA of insects, a light breeze blowing through the trees and distant cars were measured at R4 or Svantek 205 Green on the west side of the site.

Short term sound levels of 43 to 59 dBA were measured at R8 near CR 235A of light traffic on the road with a truck approaching and passing, insects, and crows cawing.

Short term sound levels of a farm truck idling, light traffic on Peggy Road, insects and crows were measured at 39 to 55 dBA at Svantek 203 (Blue) location on the ingress road ot the site off Peggy Road.

Short term sound levels varied between 36 and 55 dBA at Svantek 204 Red near 173rd Street.

Sound levels at the 4 locations around the existing Substation varied between 45 and 57 dBA increasing to 68 dBA when cars pass by the Substation.

COMPUTER MODEL STUDY

A three-dimensional computer model was constructed using AutoCAD software of the proposed location of the site, surrounding properties and buildings near the project site; and the land area that extends approximately 2000 to 2500 feet from the approximate property line of the site in all directions.

The AutoCAD model was imported into Cadna-A software which is a state-of-the-art noise propagation modeling software. The computer sound propagation model was used to calculate the sound levels from the proposed inverters to the property lines on all sides of the solar energy facility in accordance with ISO 9613. The solar panels were also included in the computer model. Octave band sound pressure level data measured for similar inverters were calibrated to the overall sound pressure level data received from the Client for the proposed Ninja inverters and used as the sound source data in the model. Table 3 lists the sound sources included in the acoustical model.

Table 3. Sound sources included in the acoustical model.

Sources	Type	dBA	Octave Band Sound Data Used							
			63	125	250	500	1000	2000	4000	8000
Ninja Inverters with retrofitted sound reducing hoods										
Front (Long side)	SPL @ 1m.	**90**	96	97	86	86	82	80	83	84
Rear		**84**	90	91	80	80	76	74	77	78
Right Side		**81**	86	87	76	76	73	71	73	75
Left Side		**75**	80	81	70	70	67	65	67	69
Substation										
Substation	SPL @ 30 ft.	**45**	50	53	40	43	38	35	36	30

RESULTS

1. A computer model that included the Ninja Inverters with the sound reducing hoods demonstrated that off-site sound levels from the proposed solar plant facility are below the sound level limits of the Alachua County Noise Ordinance and is within the range of the existing ambient sound levels measured on the site.

2. The model shows that the sounds from the inverters with the sound reducing hoods will be approximately <40 to 50 dBA at the property line on the north side of the site, 42 to 53 dBA on the east, 42 to 47 dBA on the south and <40 to 47 dBA on the western property line.

3. The sounds from the inverters do not cause excessive and unnecessary noise at adjacent properties, because the sound levels of the operation of the inverters falls in the range of the existing ambient sound levels measured on site.

4. The noise study shows that the facility will comply with the Alachua County Noise Ordinance when the Ninja Inverters with sound reducing hoods are used.

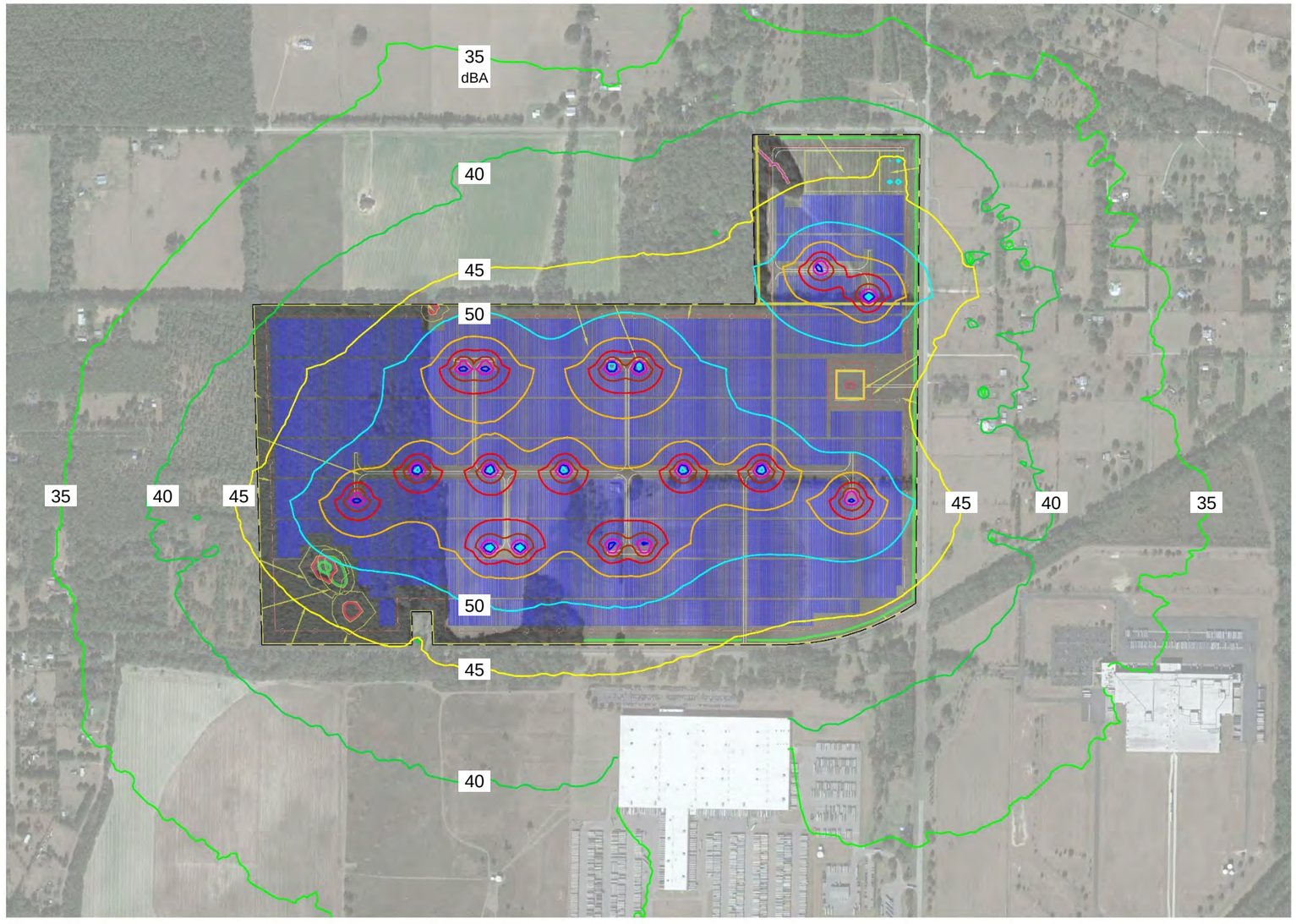


Figure 3. Aerial map overlaid with the resulting sound levels from the proposed solar project with skids retrofitted with sound reducing hoods. Sound levels from the proposed substation are also included.

CONCLUSIONS

The proposed solar facility has a site design that is carefully planned from an acoustical point-of-view with adequate distance to allow sound reduction to levels that are within the range of the existing ambient sound levels at all property lines. The computer model study indicates that the proposed solar plant facility produced significantly less sound than the sound level limits in the Alachua County noise ordinances allows when the Ninja Inverters with retrofitted sound reducing hoods are used.

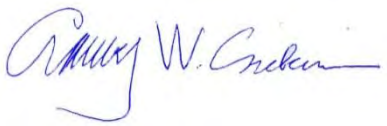
1. The computer model analysis shows that the sound level limit of 60 dBA is met at all surrounding properties with the Ninja Inverters with retrofitted sound reducing hoods running.

2. Ambient sound levels varied between 28 to 60 dBA with brief excursions to over 60 dBA during daylight hours. Higher levels were measured near County Road 235A and were dominated by traffic on the road. Lower levels of 30 to 50 dBA increasing to 60 dBA and higher when birds were chirping, insects were active or breezes were blowing through the trees were measured at locations away from the road with intermittent agricultural activities on site, the breeze in the trees, insects, birds and traffic on distant roads comprising the background sounds.

3. Sound levels with the Ninja Inverters with retrofitted sound reducing hoods running are estimated to be approximately <40 to 53 dBA at all property lines. These levels are 2 to 15 dBA or more lower than the nighttime sound level limits in noise ordinance and are within the range of the existing ambient sound levels measured on site.

Please do not hesitate to contact us if you have any questions in this regard.

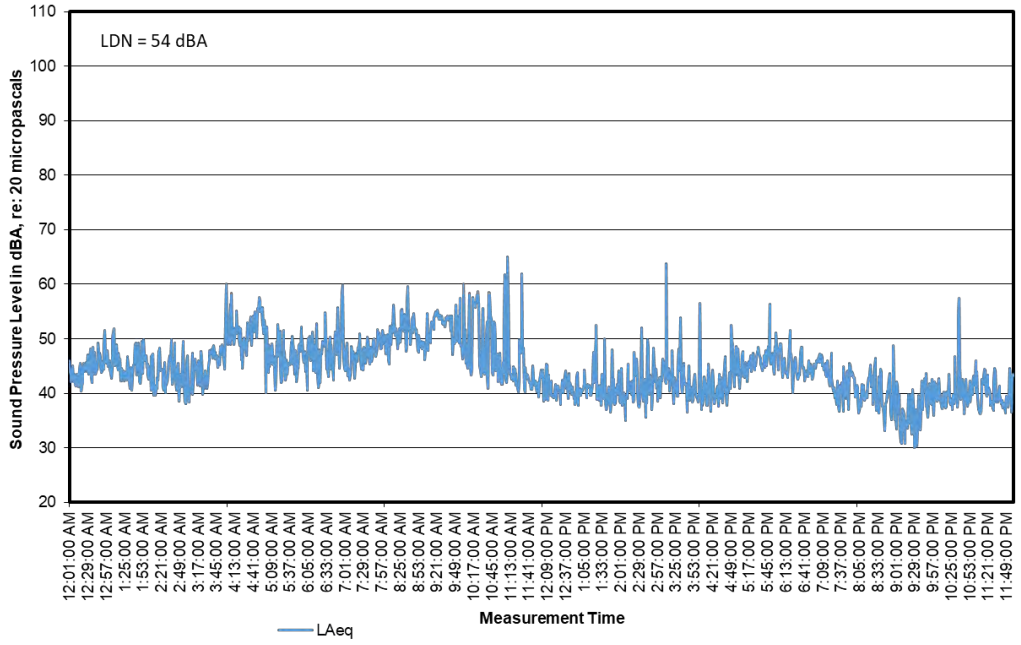
Sincerely,
SIEBEIN ASSOCIATES, INC.



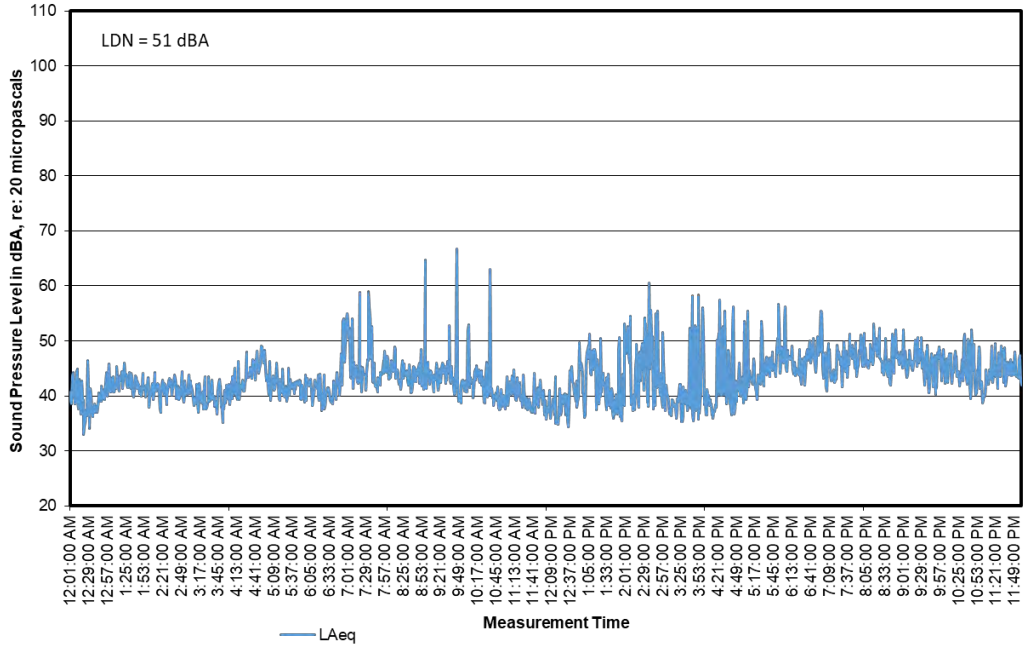
Gary W. Siebein FAIA, FASA
Senior Principal Consultant

APPENDIX A
LONG TERM SOUND LEVEL MEASUREMENT GRAPHS

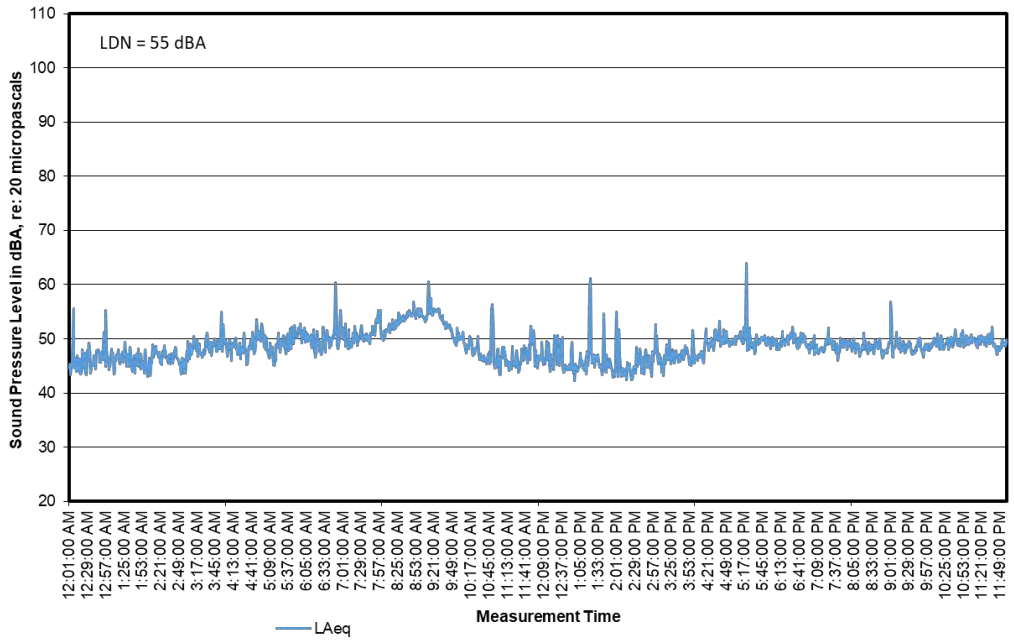
Solariant Solar
Location : Blue Svantek
December 17, to December 18, 2022



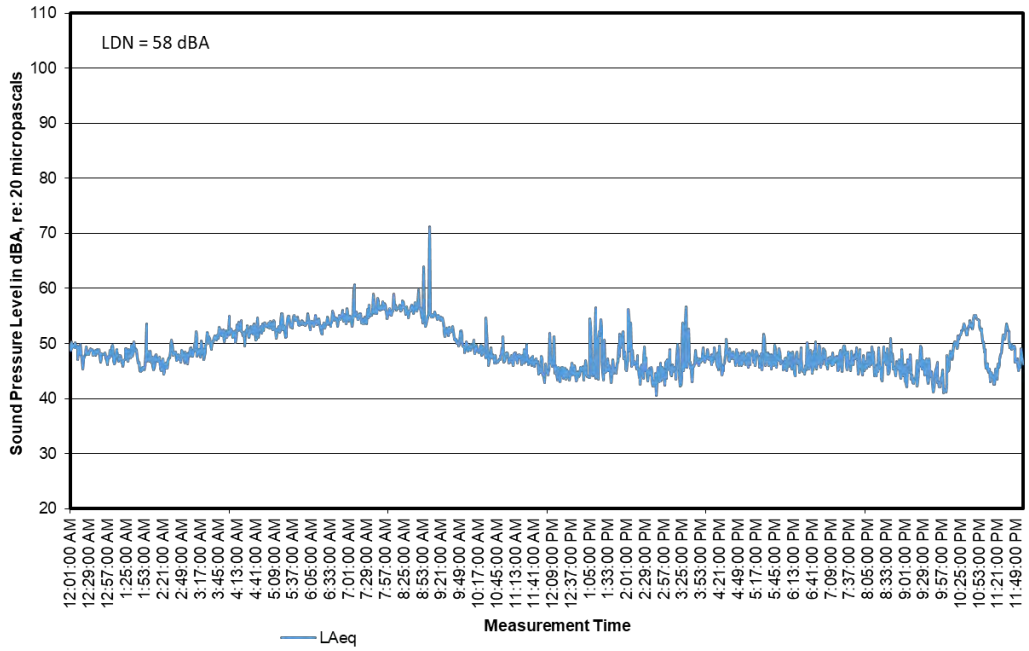
Solariant Solar
Location : Blue Svantek
December 18, to December 19, 2022



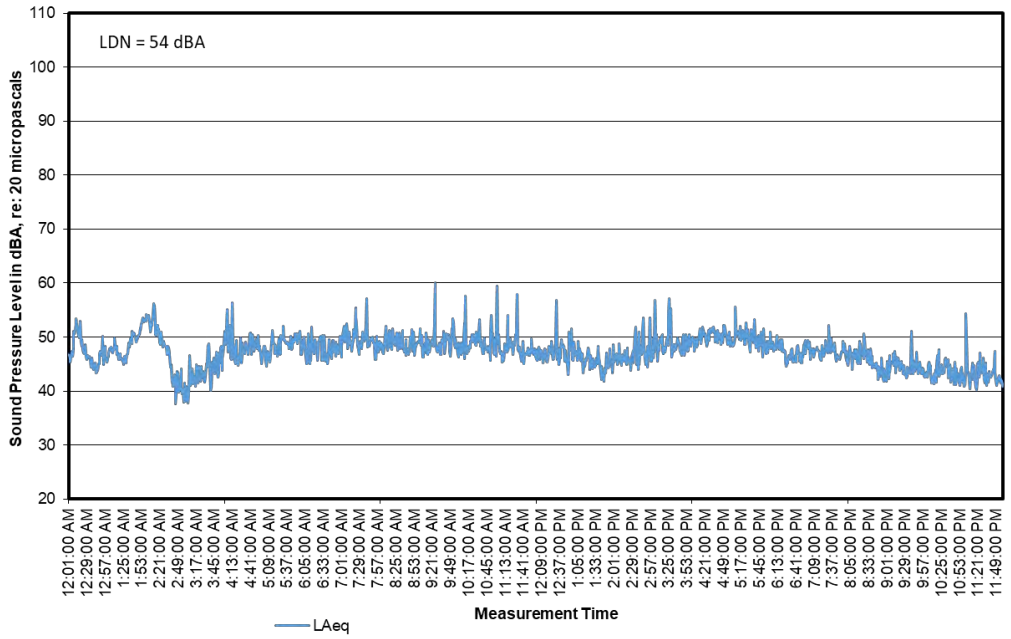
Solariant Solar
Location : Blue Svantek
December 19, to December 20, 2022



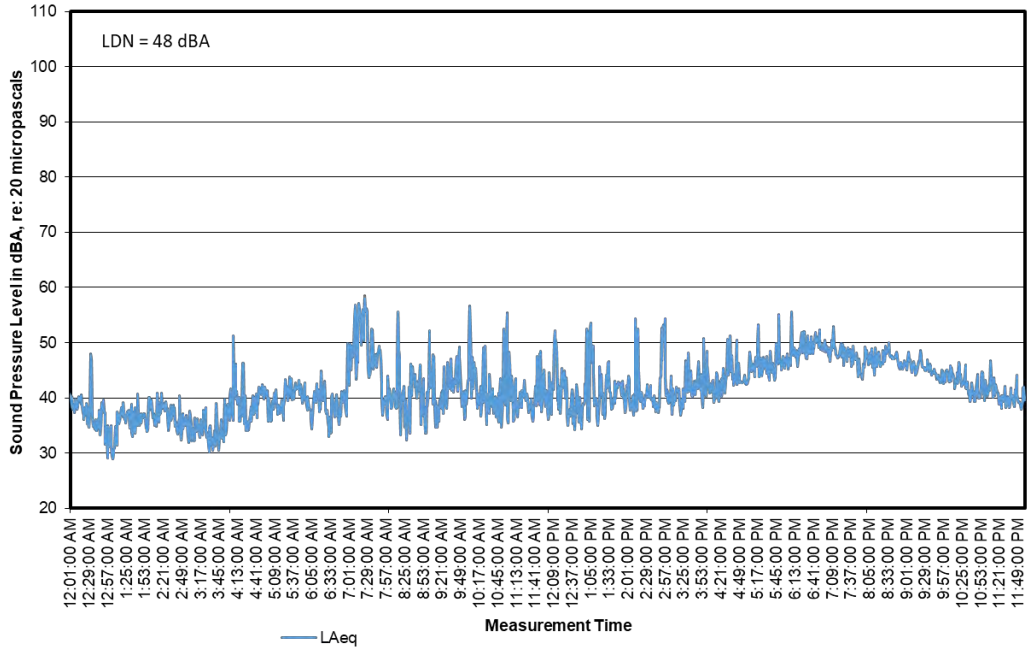
Solariant Solar
Location : Blue Svantek
December 20, to December 21, 2022



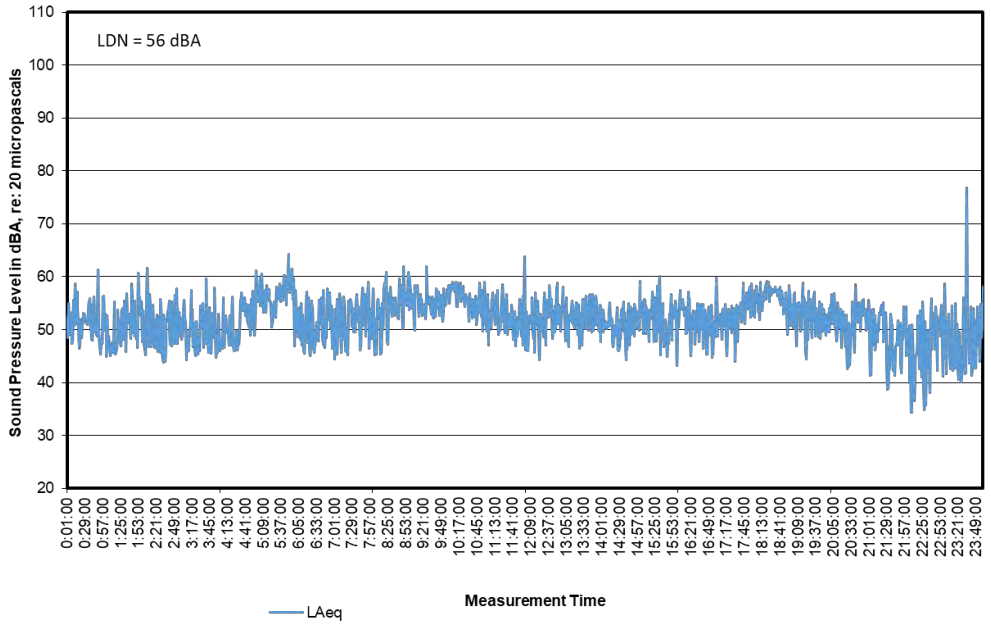
Solariant Solar
Location : Blue Svantek
December 21, to December 22, 2022



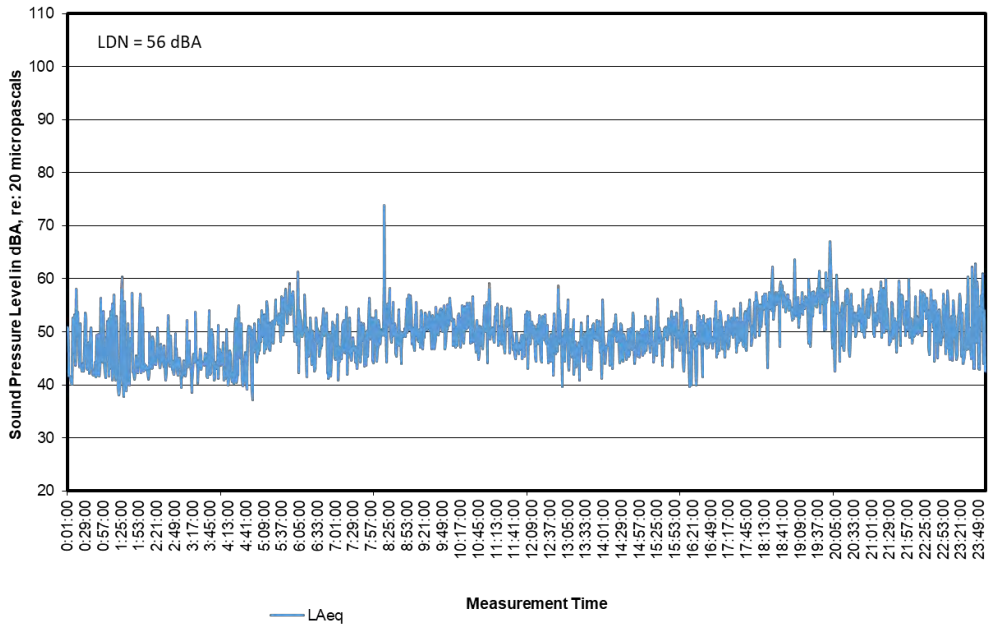
Solariant Solar
Location : Blue Svantek
December 22, to December 23, 2022



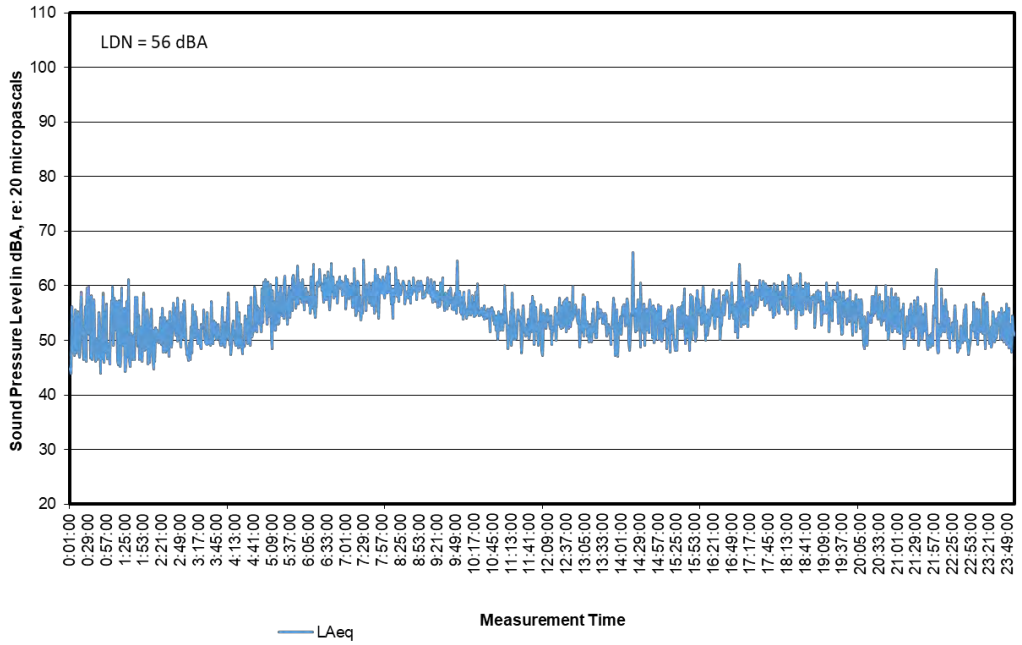
Solariant Solar
Location : Rion 8
December 17, to December 18, 2022



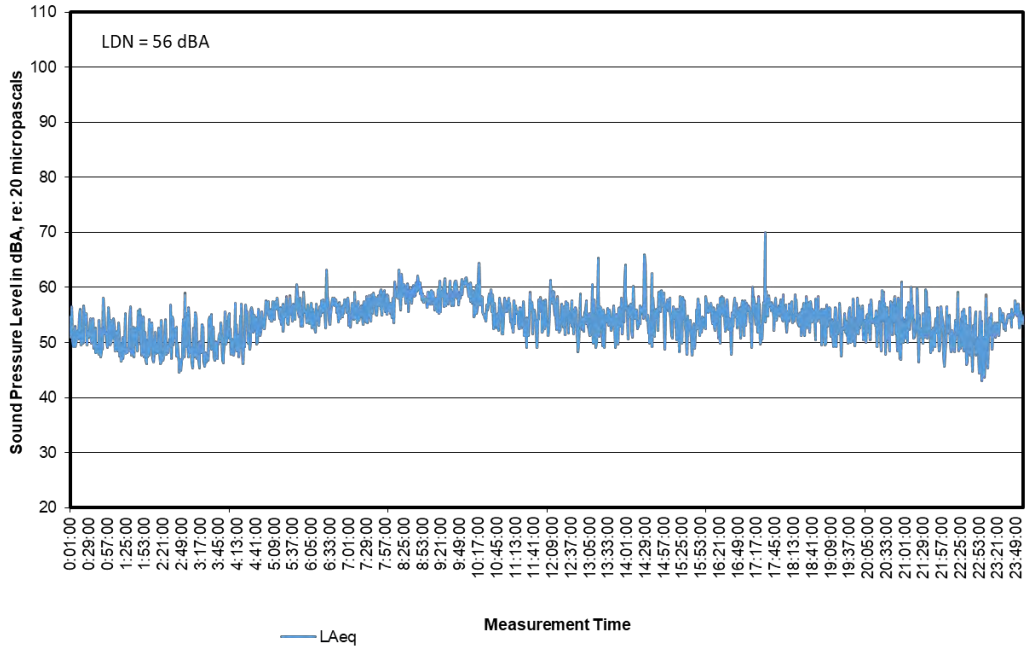
Solariant Solar
Location : Rion 8
December 18, to December 19, 2022



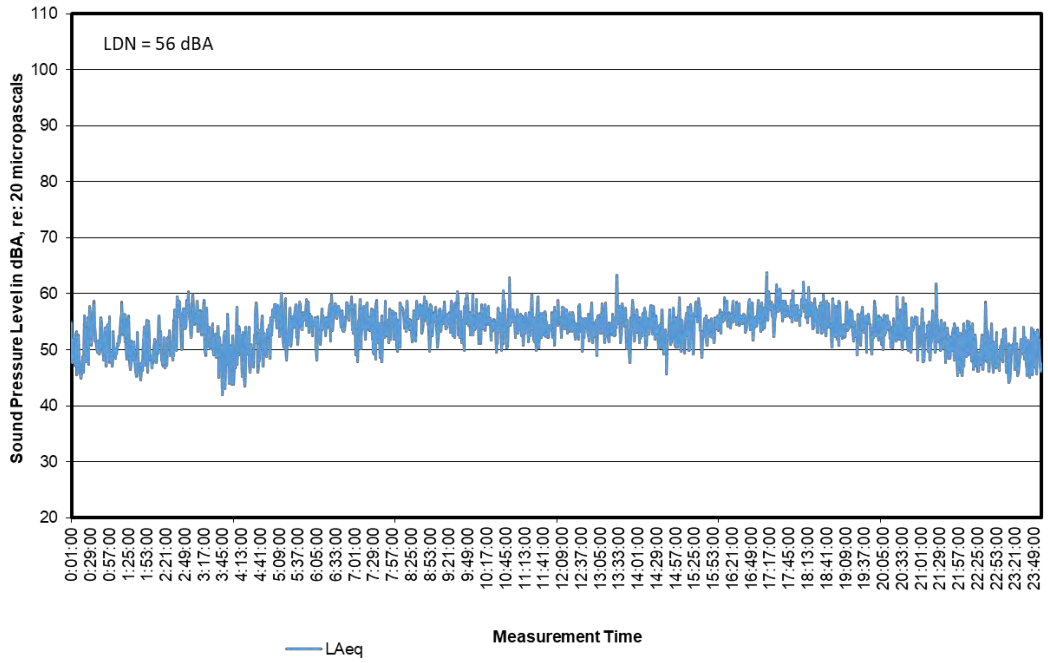
Solariant Solar
Location : Rion 8
December 19, to December 20, 2022



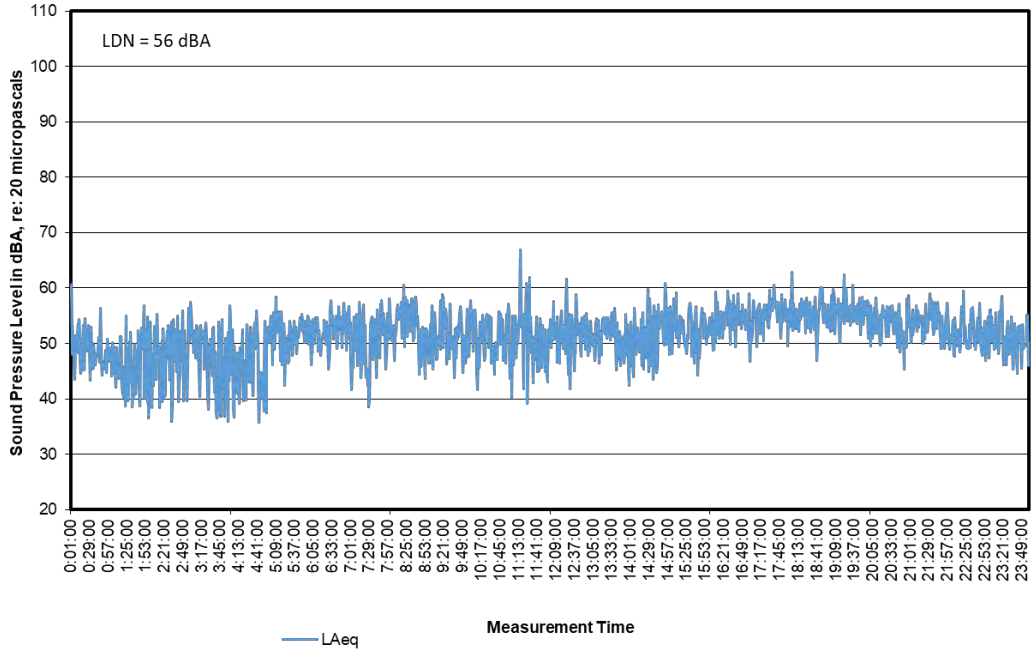
Solariant Solar
Location : Rion 8
December 20, to December 21, 2022



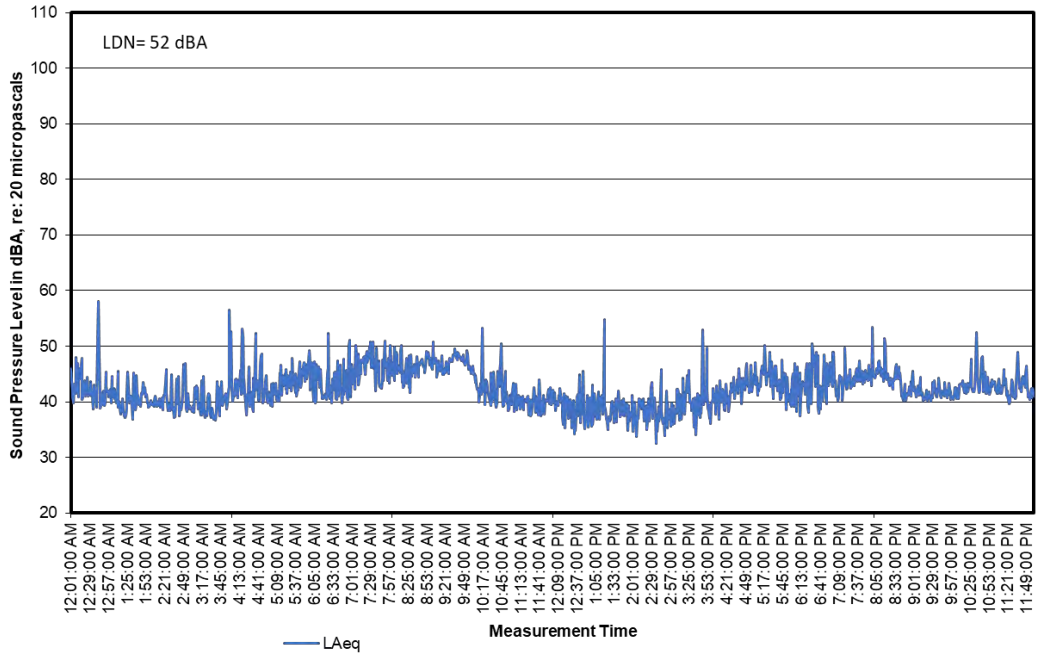
Solariant Solar
Location : Rion 8
December 21, to December 22, 2022



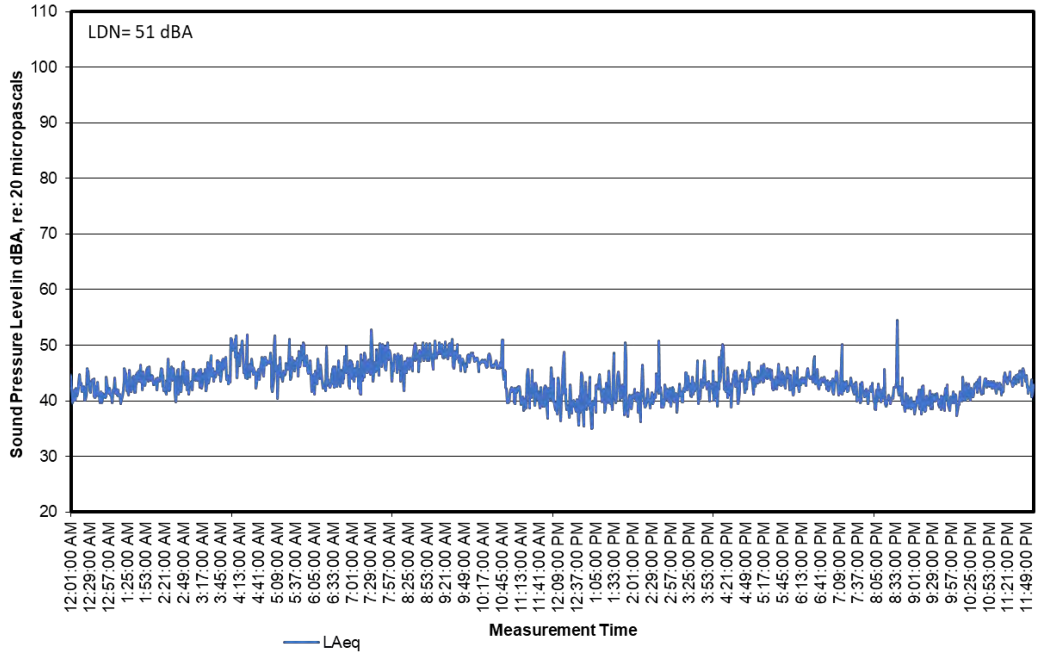
Solariant Solar
Location : Rion 8
December 22, to December 23, 2022



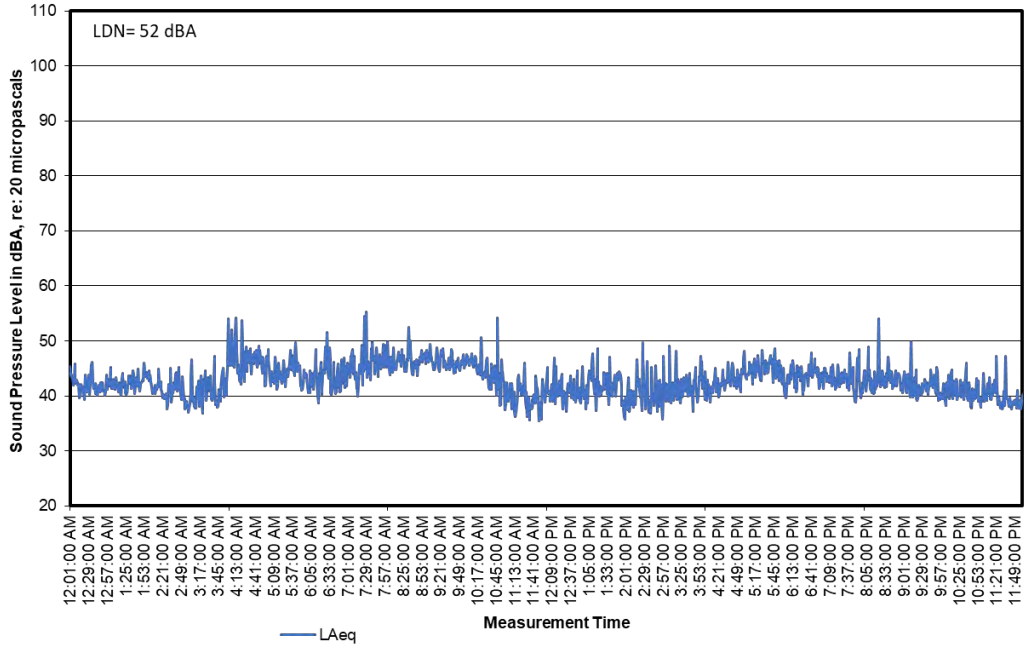
Solariant
Location : Green Svantek
December 28, to December 29, 2022



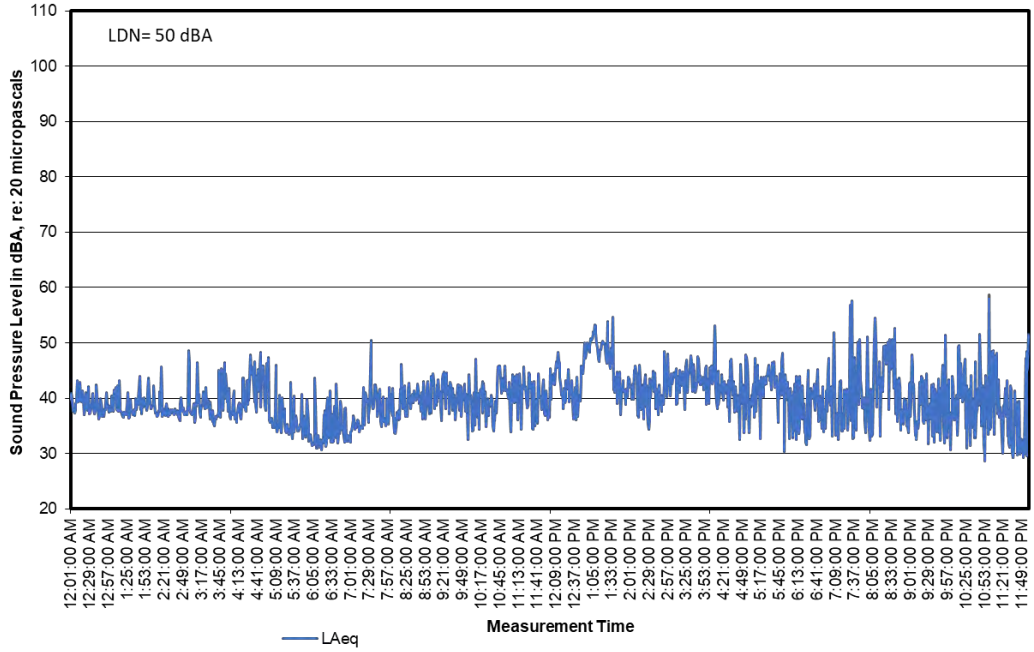
Solariant
Location : Green Svantek
December 29, to December 30, 2022



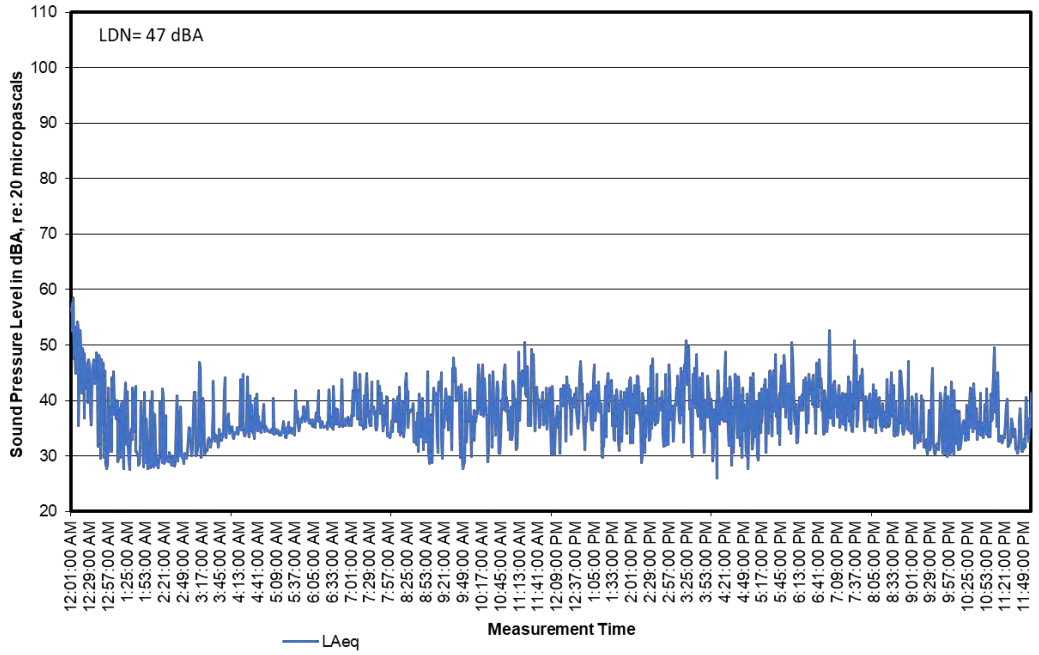
Solariant
Location : Green Svantek
December 30, to December 31, 2022



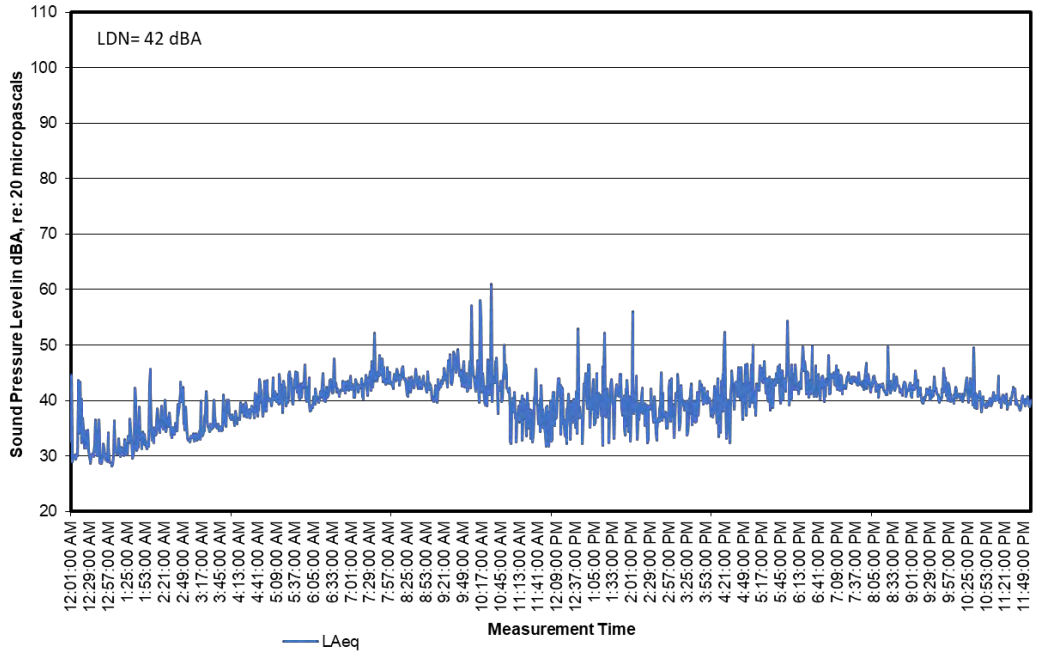
Solarient
Location :Svantek
December 31, to January 1, 2023



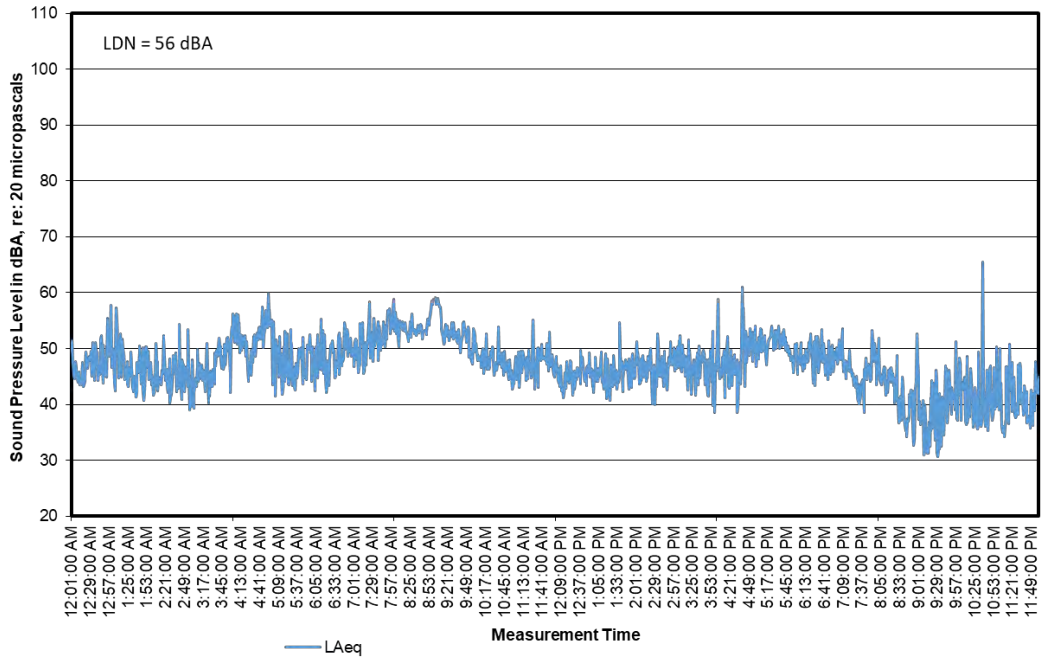
Solariant
Location : Green Svantek
January 1, to January 2, 2023



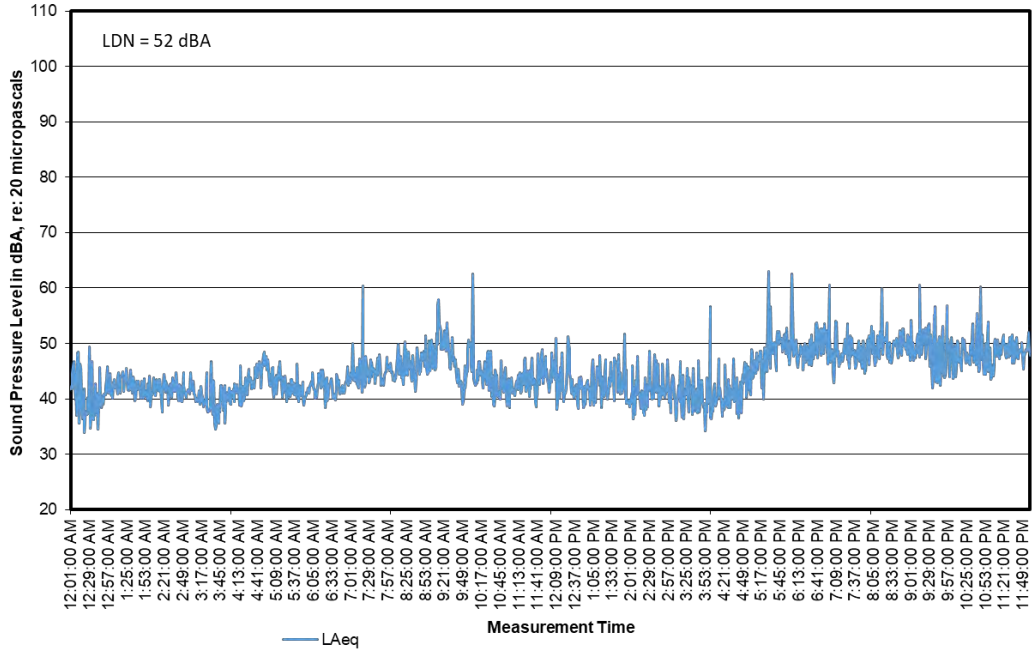
Solariant
Location : Green Svantek
January 2, to January 3, 2023



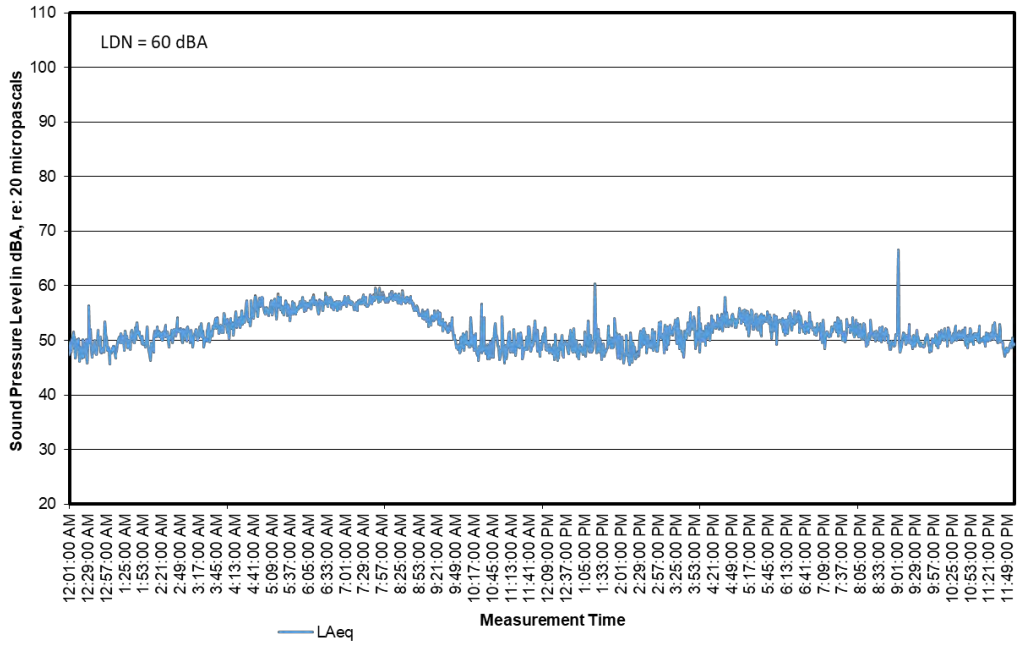
Solariant Solar
Location : Red Svantek
December 17, to December 18, 2022



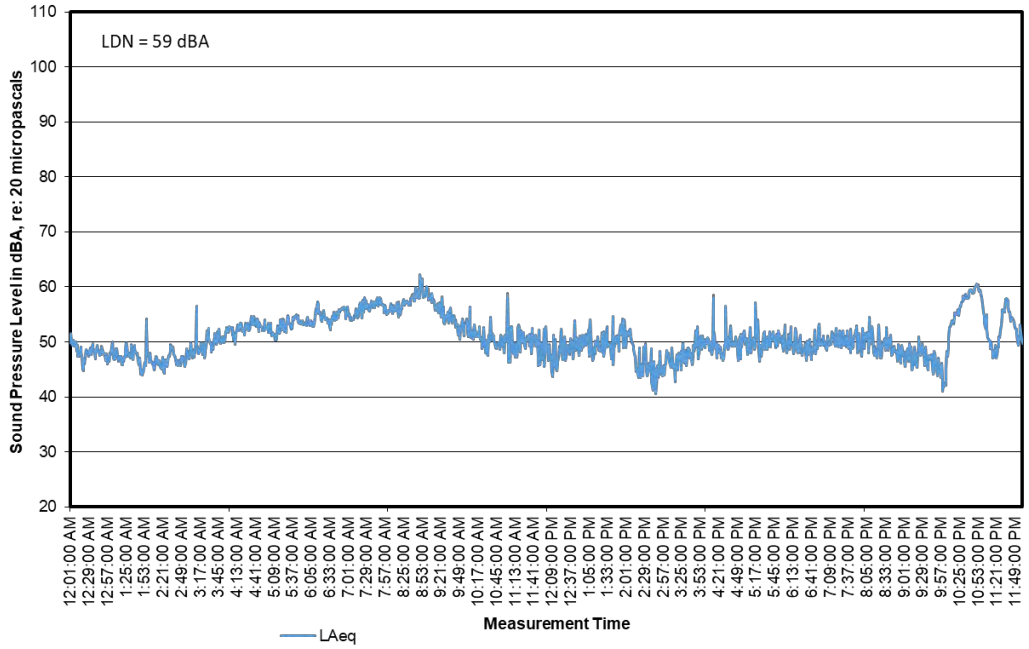
Solariant Solar
Location : Red Svantek
December 18, to December 19, 2022



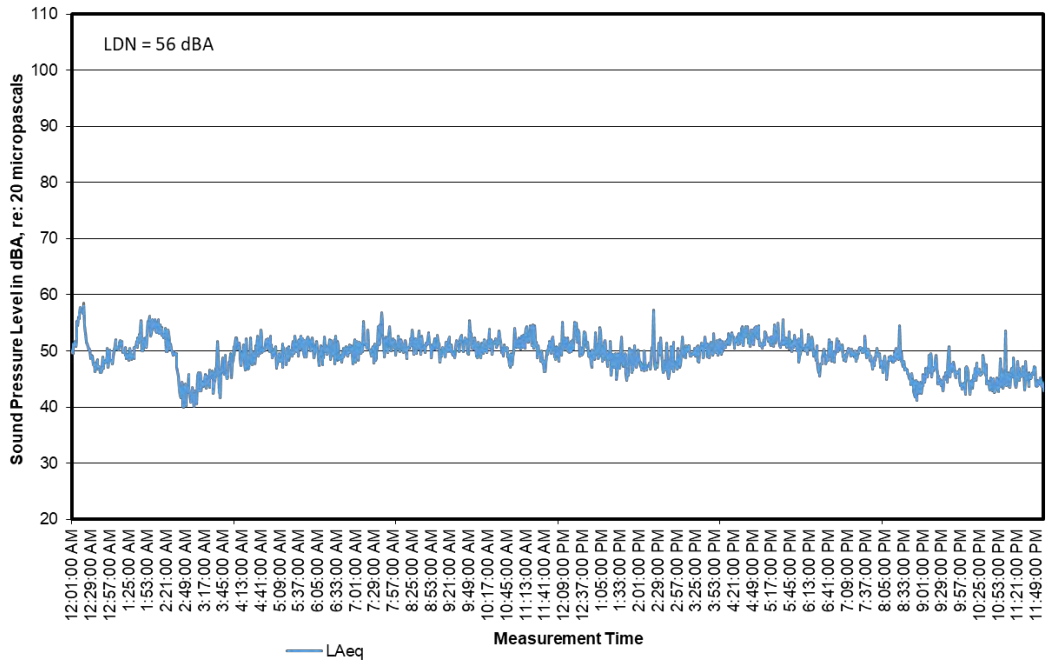
Solariant Solar
Location : Red Svantek
December 19, to December 20, 2022



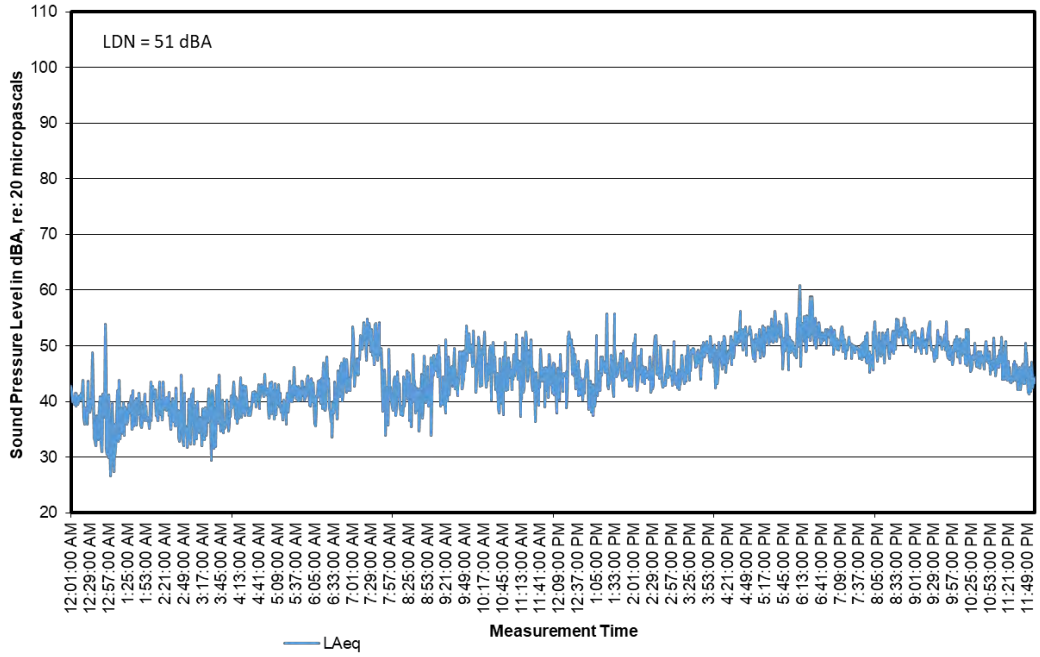
Solariant Solar
Location : Red Svantek
December 20, to December 21, 2022



Solariant Solar
Location : Red Svantek
December 21, to December 22, 2022



Solariant Solar
Location : Red Svantek
December 22, to December 23, 2022



APPENDIX B
SHORT TERM MEASUREMENTS

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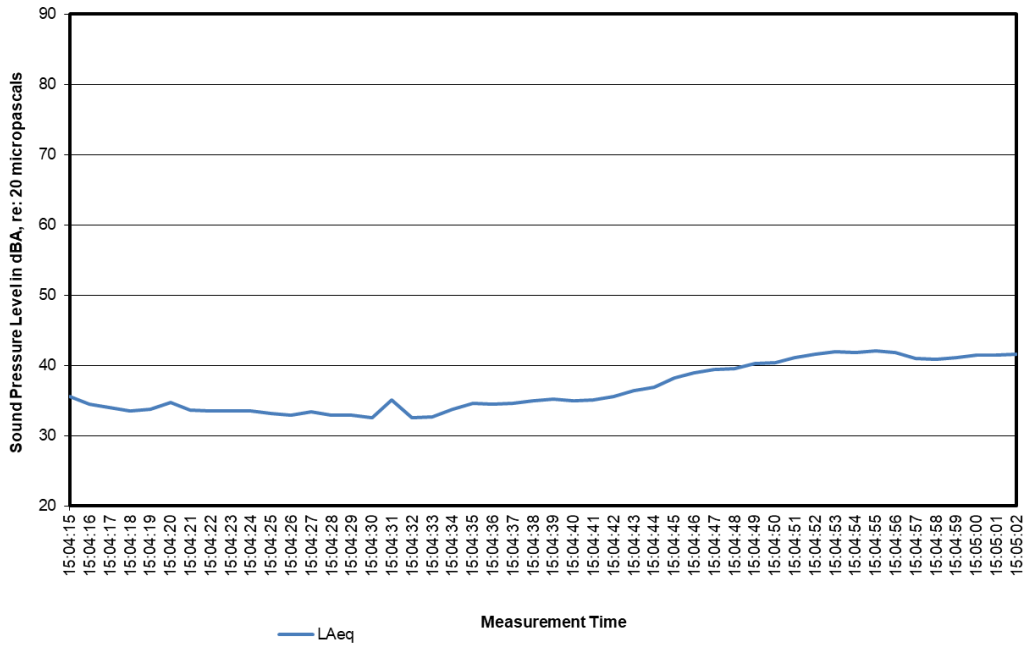
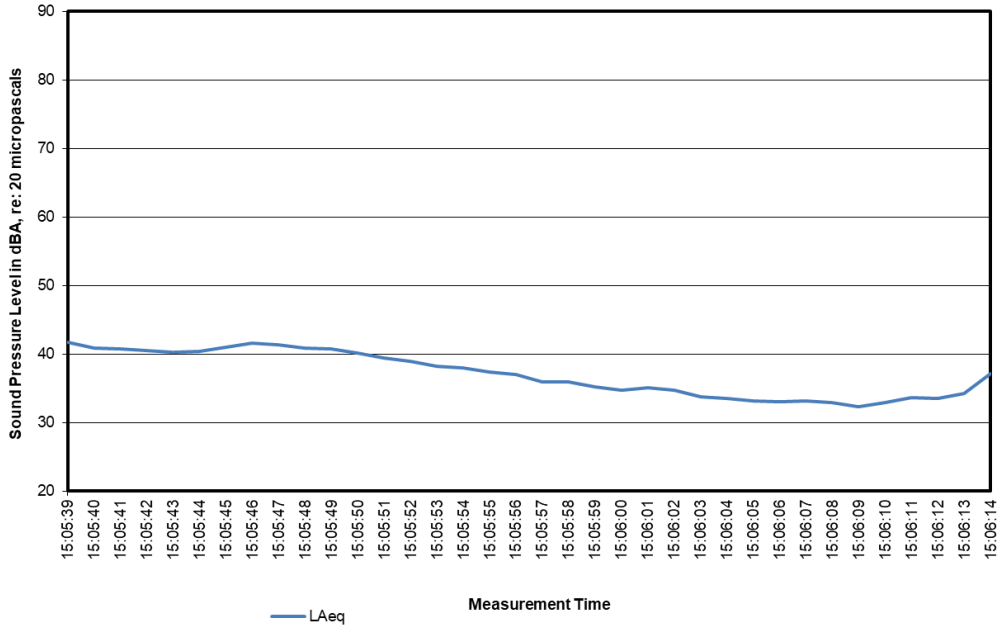
Solariant Solar
Location: R4
Insects, light breeze and distant cars



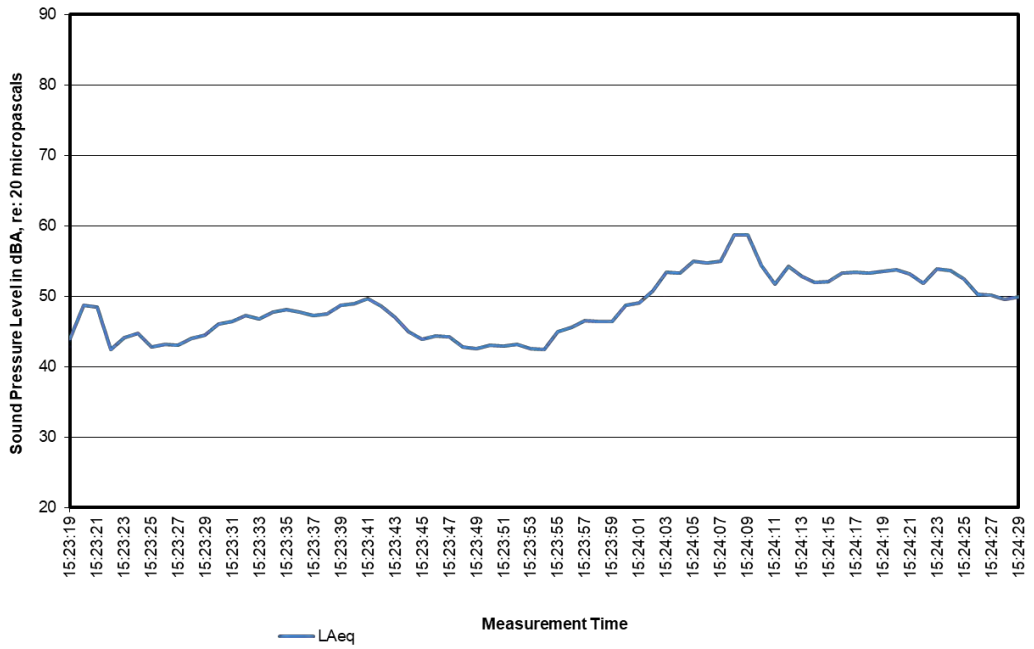
Solariant Solar
Location: R4
Insects, light breeze, birds and distant cars



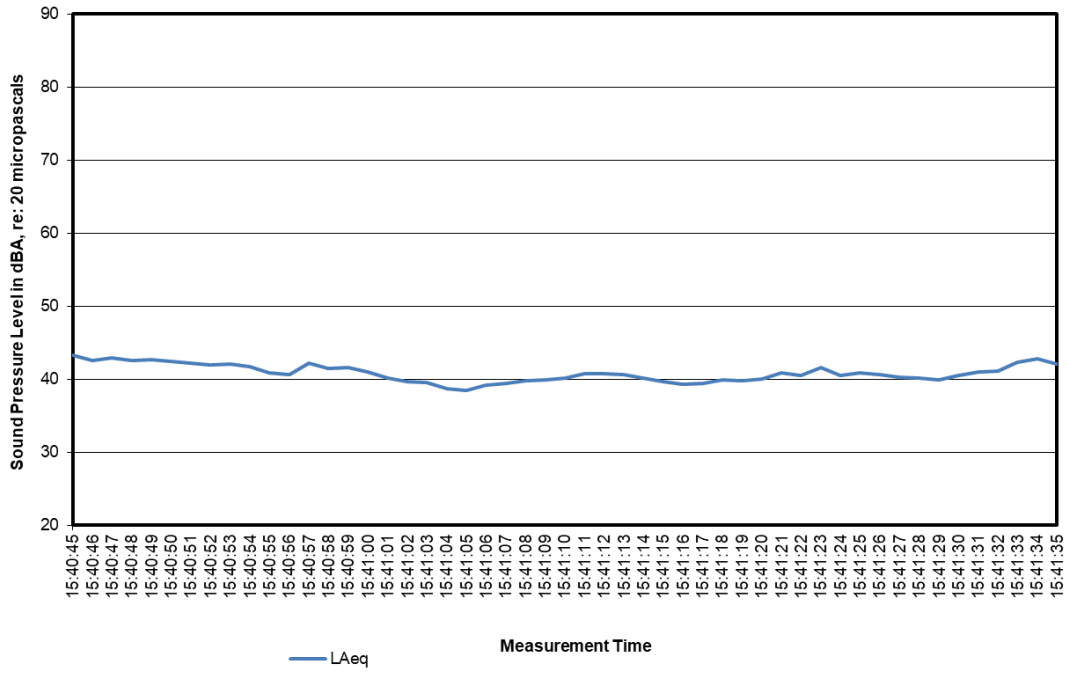
Solariant Solar
Location: R8
Light traffic on roads, insects and crows



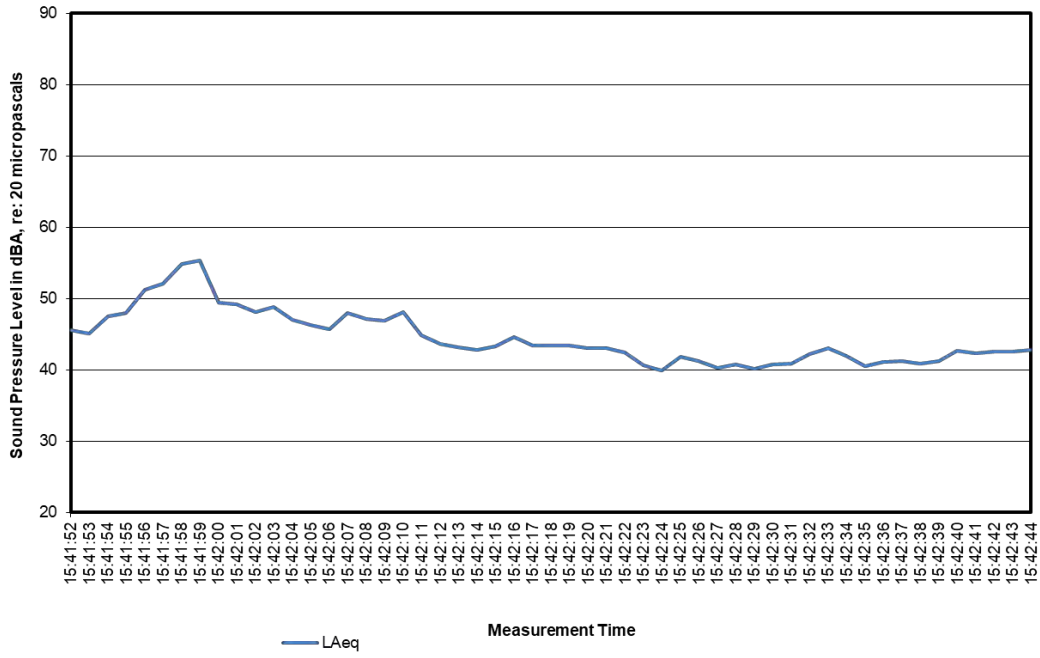
Solariant Solar
Location: R8
Light traffic on roads, insects, truck approaching and passes and crows



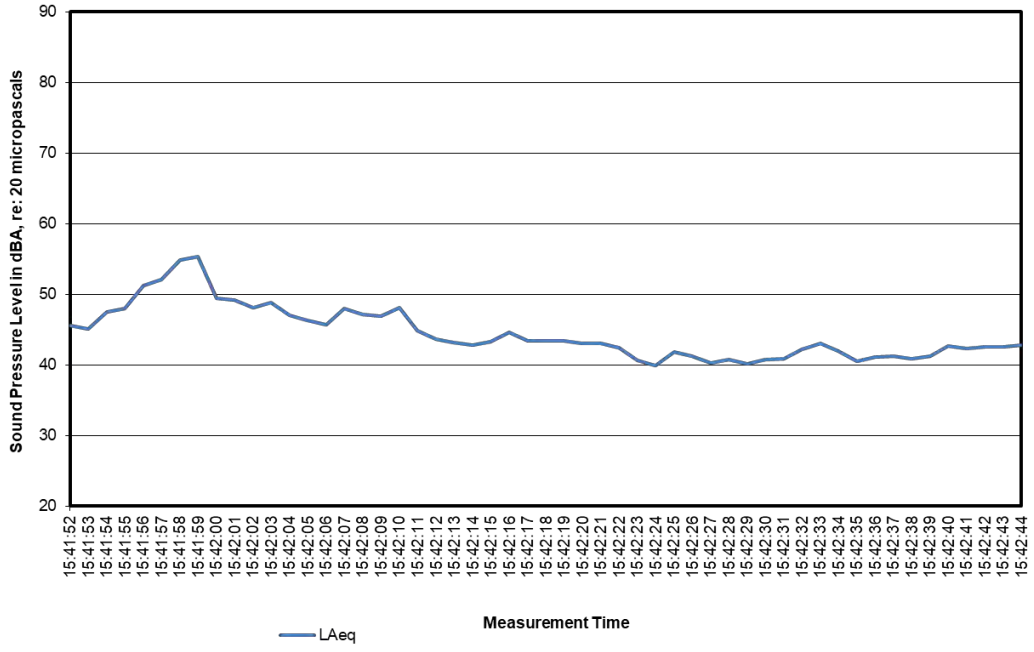
Solariant Solar
Location: Svantek 203 Blue
Farm truck idling, Light traffic on Peggy Road, insects and crows



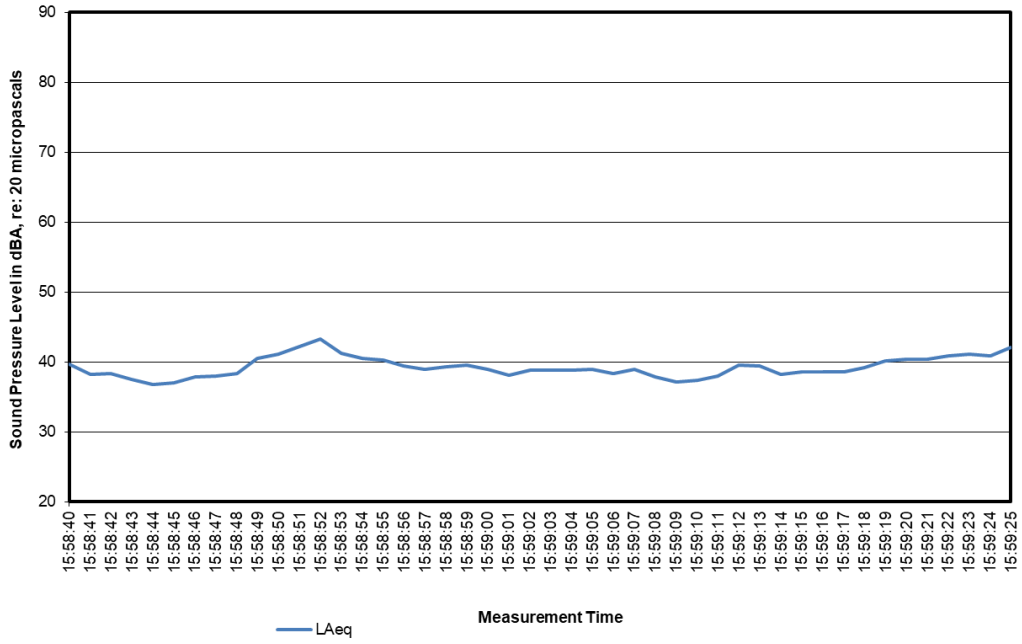
Solariant Solar
Location: Svantek 203 Blue
Pick-up Truck pass on Peggy Road, insects and birds in distance



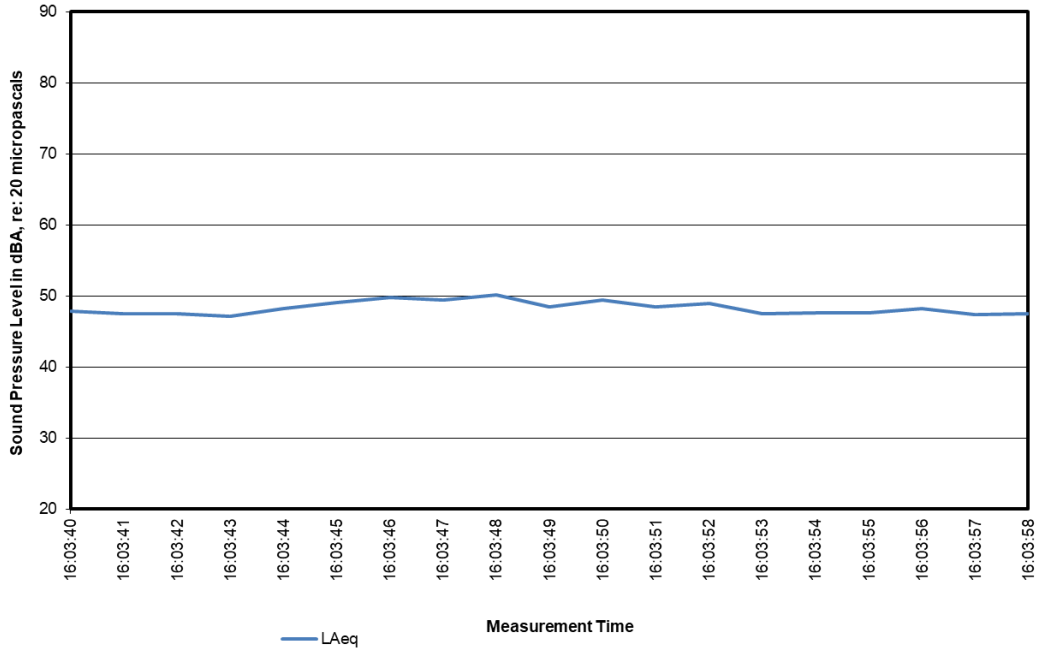
Solariant Solar
Location: Svantek 204 Red
Pick-up Truck pass on 173, insects and birds in distance



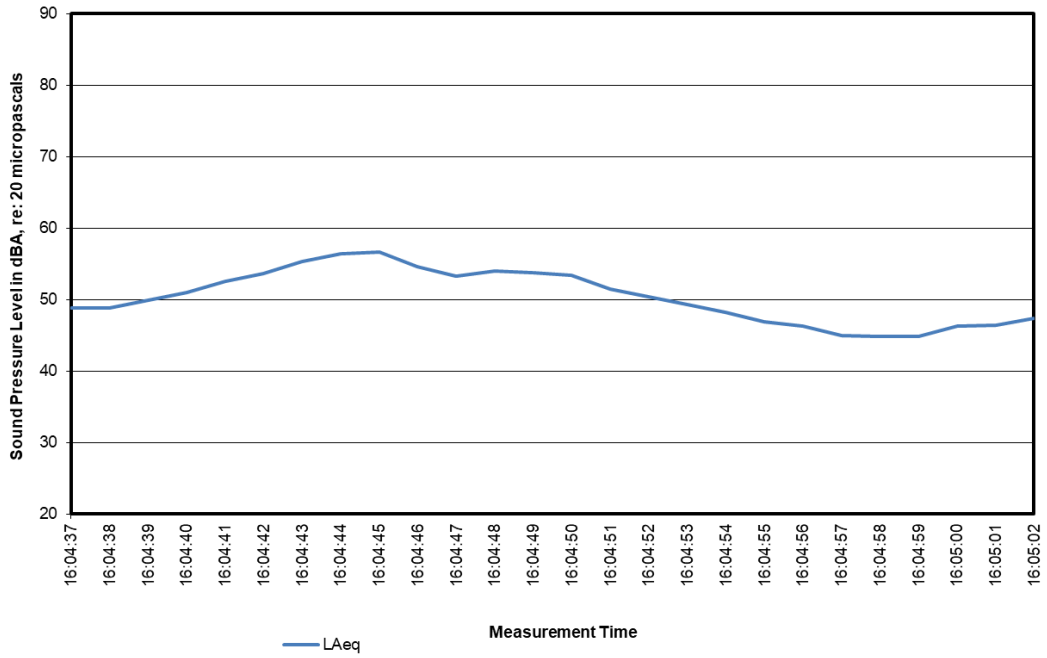
Solariant Solar
Location: Svantek 204 Red
Light traffic on 173, school bus passes and insects



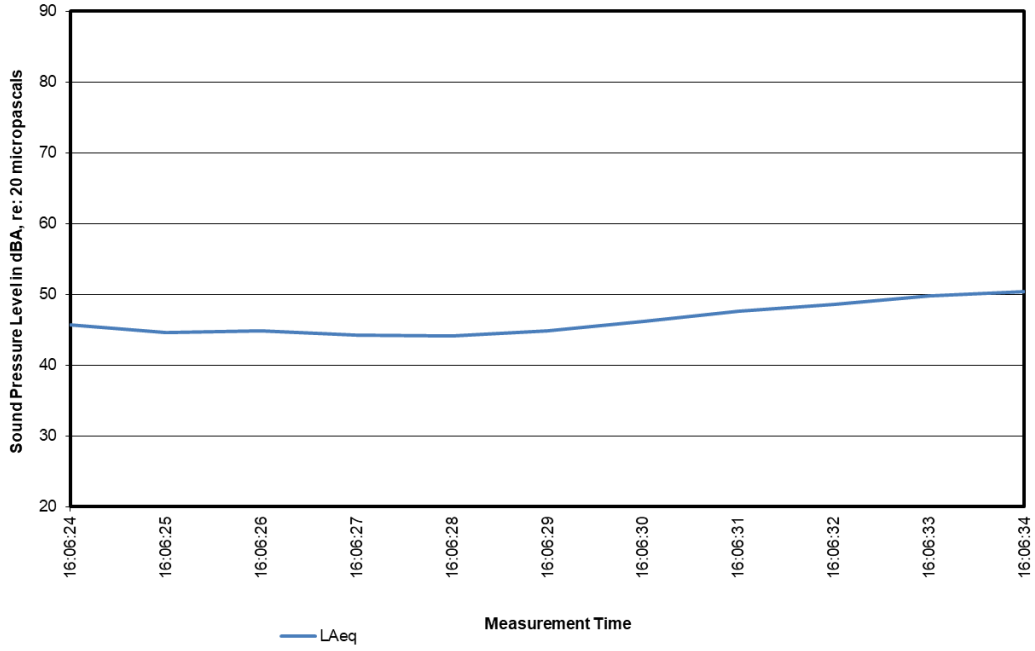
Solariant Solar
Location: Substation
20 ft East of Substation and distant traffic



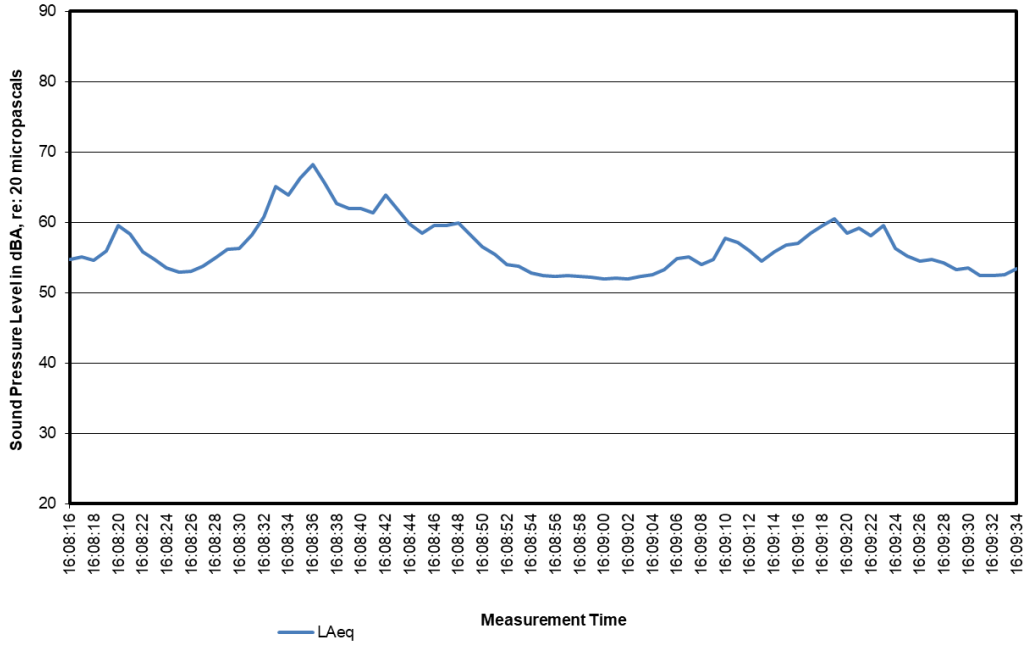
Solariant Solar
Location: Substation
20 ft North of Substation and distant traffic



Solariant Solar
Location: Substation
20 ft West of Substation and distant traffic



Solariant Solar
Location: Substation
20 ft South of Substation crows, cars pass and distant traffic



Solariant Capital, LLC
Pleasant Solar Project
Alachua County, FL

Wetland and Waterbody Delineation Report

Prepared For:



Solariant Capital, LLC
301 North Lake Ave, Suite 950
Pasadena, CA 91101

Prepared By:

TRC Environmental Corporation



TRC
Jacksonville, FL

December 2022

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1.0 Introduction

1.1 Project Description and Location

TRC Environmental Corporation (TRC), was contracted by Solariant Capital, LLC (Solariant) to conduct a wetland and waterbody delineation for its Pleasant Solar Project (Project) site located southwest of the City of Alachua in Alachua County, Florida. The Project is situated north of Peggy Road, west of NW 173rd Street, and north and south of NW 138th Avenue and consists of three parcels totaling 325.6 acres, which are identified in Table 1 below. Two of the parcels are proposed for the solar facility and substation and lie within the limits of the City of Alachua. The third parcel is near the proposed point of interconnect (POI) to the existing electrical grid and is within unincorporated Alachua County. Solariant is proposing to construct a 74.9MW utility scale solar facility which will tie into Duke Energy Florida's (Duke) existing 69 kV line. The southern two parcels are currently being used for agricultural purposes. A site location map (Figure 1), United States Geological Survey (USGS) topo quadrangle map (Figure 2), and aerial map (Figure 3) are included in Appendix A to depict the location of the Project site.

Table 1: Pleasant Solar Project Site Parcels

Proposed Project Facility	Lot #	Parcel Owner	Acres
Solar Facility	3894	Waco Properties Inc.	285.3
Solar Facility	3898	Alspaugh Brown Trustee	35.34
Existing Substation	3897	Clay Electric	4.95
		Total	**325.59**

1.2 Project Purpose

The purpose of this wetland and waterway delineation was to map all wetlands and surface waters (rivers, streams, ponds, lakes, etc.) regardless of jurisdictional status within the Project Site. Documentation of the wetland and waterway features will be used for design and avoidance purposes, and the description of jurisdictional areas lends itself towards assessing regulated buffers and implementing setbacks. Specific tasks performed include a field delineation of all potential state and federal jurisdictional areas within the Site, a subsequent mapping survey of jurisdictional area boundaries utilizing a handheld Global Positioning System (GPS) with sub-meter accuracy, and a detailed description of jurisdictional areas based on hydrology, vegetation, and soils data collected in the field. All features documented during the site visit are included in this report.

2.0 Regulatory Authorities

2.1 Waters of the United States

As defined by the United States Army Corps of Engineers (USACE), Waters of the United States (WOTUS) include all lakes, ponds, streams (intermittent and perennial), and wetlands regulated under Sections 401 and 404 of the Clean Water Act. Wetlands are defined as "Those

areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (40CFR 230.3). In order for an area to be classified as wetland, hydrophytic vegetation, hydric soils, and wetland hydrology indicators must be present.

The USACE also regulates navigable waters under Section 10 of the Rivers and Harbor Act (33 U.S.C. 401 et seq.). Permits are required by the USACE for activities that involve construction of any structure in or over any jurisdictional WOTUS, as well as any proposed action that would alter or disturb these waters such as excavation/dredging or deposition of materials.

On January 23, 2020, the U.S. Environmental Protection Agency (EPA) and the U.S. Army Corps of Engineers (USACE) finalized the Navigable Waters Protection Rule (NWPR) to define "waters of the United States" (WOTUS), which are protected under the Clean Water Act. This rule outlines four clear categories of waters that are considered WOTUS and 11 categories that are not WOTUS. Table 1 below summarizes the resources that are included and excluded from the definition of WOTUS.

Table 2. Jurisdictional Waters of the U.S. as Defined in the Navigable Waters Protection Rule
Jurisdictional WOTUS Includes:
Territorial seas and traditional navigable waters (TNWs)
Tributaries, which include perennial and intermittent rivers and streams that contribute surface flow to traditional navigable waters in a typical year;
Lakes, ponds, and impoundments of jurisdictional waters where they contribute surface water flow to a TNW a typical year either directly or through other "waters of the United States," through channelized non-jurisdictional surface waters, through artificial features (including culverts and spillways), or through natural features (including debris piles and boulder fields).
Adjacent wetlands • Wetlands that physically touch other jurisdictional waters are "adjacent wetlands," such as Horicon Marsh along the Rock River in Wisconsin. • Wetlands separated from a "water of the United States" by only a natural berm, bank or dune are also "adjacent." • Wetlands inundated by flooding from a "water of the United States" in a typical year are "adjacent." • Wetlands that are physically separated from a jurisdictional water by an artificial dike, barrier, or similar artificial structure are "adjacent" so long as that structure allows for a direct hydrologic surface connection between the wetlands and the jurisdictional water in a typical year, such as through a culvert, flood or tide gate, pump, or similar artificial feature. • An adjacent wetland is jurisdictional in its entirety when a road or similar artificial structure divides the wetland, as long as the structure allows for a direct hydrologic surface connection through or over that structure in a typical year.
Non-jurisdictional Waters
Groundwater, including groundwater drained through subsurface drainage systems, such as drains in agricultural lands.
Ephemeral features that flow only in direct response to precipitation, including ephemeral streams, swales, gullies, rills, and pools.
Diffuse stormwater runoff and directional sheet flow over upland.
Ditches that are not traditional navigable waters, tributaries, or that are not constructed in adjacent wetlands, subject to certain limitations.
Prior converted cropland
Artificially irrigated areas that would revert to upland if artificial irrigation ceases.
Artificial lakes and ponds that are not jurisdictional impoundments and that are constructed or excavated in upland or non-jurisdictional waters.
Water-filled depressions constructed or excavated in upland or in non-jurisdictional waters incidental to mining or construction activity, and pits excavated in upland or in non-jurisdictional waters for the purpose of obtaining fill, sand, or gravel.
Stormwater control features constructed or excavated in upland or in non-jurisdictional waters to convey, treat, infiltrate, or store stormwater run-off.
Groundwater recharge, water reuse, and wastewater recycling structures constructed or excavated in upland or in non-jurisdictional waters.
Waste treatment systems
Source: 2018 Clean Water Rule (Federal Register/ Volume 80, No. 124)

2.2 Florida Wetland and Stream Regulations

The definition of regulated wetlands in Florida, defined in Section 373.019(27) Florida Statutes (FS), and subsection 62-340.200(19), Florida Administrative Code (FAC), is similar to the federal definition, except that Florida wetlands generally do not include longleaf or slash pine flatwoods with an understory dominated by saw palmetto (F.S., 2018). Waters of the state are defined in Section 373.414, F.S, and subsection 62-340.200 (2) and shall be the more landward of the following:

- Wetlands as defined by Rule 62-340.300, F.A.C.
- The mean high-water line elevation for tidal water bodies
- The ordinary high-water line for non-tidal natural water bodies
- The top of the bank for artificial lakes, borrow pits, canals, ditches, and other artificial waterbodies with side slopes of 1 foot vertical to 4 feet horizontal or steeper, excluding spoil banks when the canals and ditches have resulted from excavation into the ground, or
- The seasonal high-water line for artificial lakes, borrow pits, canals, ditches, and other artificial water bodies with side slopes flatter than 1 foot vertical to 4 feet horizontal along with any artificial water body created by diking or impoundment above the ground.

Development activities in Florida state wetlands and surface waters are regulated under Chapter 62-330 FAC, which is principally administered by the Florida Department of Environmental Protection (FDEP) through the Environmental Resource Permit (ERP) process. An ERP permit is required for impacts to wetlands and waters as well as for development of stormwater management systems in Florida.

3.0 Project Setting

3.1 Resources

A number of resources were reviewed and utilized in support of the delineation, including USGS topographic mapping (1983 State Plane High Springs Florida Quadrangle) (USGS, 2010) (Figure 2, Appendix A), National Wetlands Inventory (NWI) mapping (USFWS, 2022) (Figure 6, Appendix A), United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), Alachua County Soil Survey (USDA, NRCS, 198), USDA NRCS Web Soil Survey (USDA, NRCS, 2022) (Figure 4, Appendix A), the NRCS hydric soil list (USDA, NRCS, 2018), the USGS National Hydrography Dataset (NHD) (USGS, 2017a), recent aerial photography (Google Earth, 2022), and Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) number 12057C0332J, (FEMA, 2020) (Figure 5, Appendix A).

3.2 Physiographic and Ecological Region

The Project is located within the Southern Coastal Plain Major Land Resource Area (MLRA) physiographic region, within the South Atlantic and Gulf Slope Cash Crops, Forest, and Livestock Region of the Coastal Plain Province of the Atlantic Plain. This MLRA consists of generally smooth Atlantic and Gulf Coast marine terraces and the hilly piedmont area. Elevation ranges from 80 to 655 feet, on the coastal plain and from 20 to 200 feet in the piedmont. The average

annual precipitation for this area is about 44 to 63 inches. The precipitation falls almost entirely as rainfall during frontal storms in late fall, winter, and early spring; as rainfall occurring as convective storms during the growing season; and as heavy rainfall produced by tropical storms. (USDA, NRCS 2006)

The geologic material in this area consists of very thick deposits of sandy to clayey marine sediments on the coastal plain and Precambrian and Paleozoic metamorphic and igneous rocks in the piedmont. Abundant moisture and a long growing season favor agricultural production in this region. If crops are to be grown, artificial drainage typically is needed to lower the water table on the lower marine terraces. (USDA, NRCS, 2006)

About 97 percent of the land in the Southern Coastal Plain is privately owned. The native vegetation consists of oak-pine forests. The diverse array of crops includes cotton, soybeans, peanuts, corn, rice, sugarcane, and wheat. (USDA, NRCS, 2006)

3.3 Soils

Soil survey maps prepared by the USDA NRCS were reviewed prior to conducting the delineation fieldwork to determine the extent of mapped hydric soils within the Project site. Nine soil types occur within the Project site: Arredondo fine sand 0 to 5 percent slopes, Fort Meade fine sand, Millhopper sand, Lochloosa fine sand, Kendrick sand, Gainesville sand, Lake fine sand, Arredondo fine sand 5 to 8 percent slopes, and Bivans sand. According to the National List of Hydric Soils prepared by the USDA NRCS (2018), none of the soil types mapped within the Project Site are classified as predominantly hydric (i.e., greater than 90 percent hydric). Figure 4 (Appendix A) depict the soil types within the Project limits. Descriptions of all the mapped soils occurring on the Project site are provided in Table 2 below.

Table 3. Soils Mapped on the Project Site

Map Unit Symbol	Mapped Unit Name	Drainage Class	Prime Farmland	Percent Hydric	On-Site Acres
3	Arredondo fine sand, 0 to 5 percent slopes	Well drained	Not prime farmland	0	172.09
5	Fort Meade fine sand, 0 to 5 percent slopes	Well drained	Not prime farmland	0	45.90
8	Millhopper sand, 0 to 5 percent slopes	Moderately well drained	Not prime farmland	1	20.35
29	Lochloosa fine sand, 2 to 5 percent slopes	Somewhat poorly drained	Not prime farmland	0	8.09
30	Kendrick sand, 2 to 5 percent slopes	Well drained	Not prime farmland	0	23.85
35	Gainesville sand, 0 to 5 percent slopes	Well drained	Not prime farmland	0	34.84
58	Lake fine sand, 0 to 5 percent slopes	Excessively drained	Not prime farmland	0	0.87
69	Arredondo fine sand, 5 to 8 percent slopes	Well drained	Not prime farmland	0	16.38

Map Unit Symbol	Mapped Unit Name	Drainage Class	Prime Farmland	Percent Hydric	On-Site Acres
76	Bivans sand, 5 to 8 percent slopes	Poorly drained	Not prime farmland	20	3.22
				Total	**325.59**
Source: USDA, NRCS, 2022					

The **Arredondo fine sand, 0 to 5 percent slopes (3)** series consists of nearly level to gently sloping, well drained soils. that formed from sandy and loamy marine sediments. Slopes are smooth to convex, and these soils tend to occur in areas which are irregular in size and range from 10 to 160 acres. Limestone boulders, fragments of limestone, and sinkholes are in some areas of this soil, mainly in the limestone plain sections of the western part of the county. Organic matter content is low, and the water table is at a depth of more than 72 inches. (USDA, NRCS, 1982; USDA, 2018).

The **Fort Meade fine sand (5)** series consists of very deep, well drained, rapidly permeable soils that formed in moderately thick beds of loamy sand on gently rolling uplands of the lower Coastal Plain. Included with this soil in mapping are small areas of Arredondo, Gainesville, Kendrick, and Millhopper soils. The available water capacity is low to medium, and the permeability is rapid. The natural fertility is low, and the water table is at a depth of more than 72 inches. (USDA, NRCS, 1982; USDA, 2013).

The **Millhopper sand (8)** consists of very deep, moderately well drained, moderately permeable soils that formed in thick beds of sandy and loamy marine sediments. They occur on slightly rolling knolls in the broad flatwoods of central and southern Florida. Slopes range from 0 to 8 percent and are slightly convex. This soil has severe limitations for most cultivated crops. The water table is at a depth of 40 to 60 inches for 1 to 4 months and at a depth of 60 to 72 inches for 2 to 4 months during most years. (USDA, NRCS, 1982; USDA, 2018).

The **Lochloosa fine sand (29)** consists of somewhat poorly drained, slowly permeable soils formed in thick beds of sandy and loamy marine sediments in central Florida. Slopes range from 0 to 8 percent. These soils have moderate limitations for most cultivated crops. The water table is at a depth of 30 to 40 inches for 1 to 4 months during most years and rises to a depth of 20 to 30 inches for 1 to 3 weeks. (USDA, NRCS, 1982; USDA, 2001).

The **Kendrick sand (30)** consists of well drained, slowly to moderately slowly permeable soils formed in thick beds of loamy marine sediments on nearly level to sloping areas in the Coastal Plain. Slopes range from 0 to 8 percent. Sinkholes and limestone boulders occur in some areas. This soil has moderate limitations for cultivated crops because of the hazard of erosion. The water table is more than 72 inches below the surface. (USDA, NRCS, 1982; USDA, 2018).

The **Gainesville sand (35)** consists of well drained, rapidly permeable soils formed in thick beds of sandy marine deposits. They are on nearly level to strongly sloping uplands in the lower Coastal Plain. Slopes range from 0 to 15 percent. Sinkholes and limestone boulders occur in some areas. This soil has moderate limitations for cultivated crops because of the hazard of erosion. The water table is more than 72 inches below the surface. (USDA, NRCS, 1982; USDA, 2018).

The **Lake fine sand (58)** consists of excessively drained, rapidly to very rapidly permeable soils formed in thick beds of sand. They are on nearly level to steep slopes in central Florida. Slopes range from 0 to 30 percent. This soil has very severe limitations for cultivated crops and moderately well suited to improved pasture. The water table is more than 72 inches below the surface. (USDA, NRCS, 1982; USDA, 2018).

The **Arredondo fine sand, 5 to 8 percent slope (69)** series consists of nearly level to gently sloping, well drained soils, that formed from sandy and loamy marine sediments. Slopes are smooth to convex, and these soils tend to occur in areas which are irregular in size and range from 10 to 160 acres. Limestone boulders, fragments of limestone, and sinkholes are in some areas of this soil, mainly in the limestone plain sections of the western part of the county. Organic matter content is low, and the water table is at a depth of more than 72 inches. (USDA, NRCS, 1982; USDA, 2018).

The **Bivans sand (76)** series consists of very deep, poorly drained, slowly or very slowly permeable soils on the rolling uplands of central Florida. They formed in thick beds of clayey and sandy marine sediments in central Florida. Near the type location, the mean annual precipitation is about 55 inches. Slopes range from 0 to 12 percent. (USDA, NRCS, 1982; USDA, 2019).

3.4 Topography and Hydrology

The elevation on site ranges from 75 to 100 feet above sea level (USGS 7.5-minute quad maps: High Springs Florida) (USGS, 1983).

The site is located in the Waccasassa watershed (Hydrologic Unit Code 8 [HUC] 03110101) (FDEP, 2021).

The NWI map (USFWS, 2020) identified two wetlands within the project site: two Palustrine Emergent Wetlands (PEM). The NWI wetlands are depicted on Figure 6 (Appendix A).

According to the FEMA FIRM, the project site is outside of a 100-year floodplain (FEMA, 2018).

4.0 Land Use and Vegetation Communities

A team of TRC ecologists conducted a field evaluation of the site from May 25 to May 27, 2022. As part of this evaluation, TRC characterized and mapped the land cover and vegetation communities on the site using the Florida Land Use Cover and Forms and Classification System (FLUCFCS) (FDOT, 1999). The land cover types delineated by TRC on the site are shown on Figure 5 and listed in Table 3.

Table 4. Field Verified Land Use and Vegetation Communities on the Project Site

FLUCFCS ID	Description	Acres	Percent of Site
1110	Low Density Fixed Single Family Units	0.40	0.12
2140	Row Crops	124.02	38.09
2153	Hay Fields	84.51	25.96

FLUCFCS ID	Description	Acres	Percent of Site
2600	Other Open Lands (Rural)	5.28	1.62
2610	Fallow Cropland	16.6	5.10
4140	Pine-Mesic Oak	0.94	0.29
4200	Upland Hardwood Forests	89.83	27.59
8315	Electrical Power Substations	3.82	1.17
8320	Electrical Power Transmission Lines	0.19	0.06
	Total	325.59	

Nine land cover types were identified on the site: low density fixed single family units, row crops, hay fields, other open lands (rural), fallow cropland, pine-mesic oak, upland hardwood forests, electrical power substations, and electrical power transmission lines. Descriptions of each community type are provided below.

1110- Low Density Fixed Single Family Units
Approximately 0.40 acres (0.12 percent) of the Site consists of low density fixed single family units.

2140- Row Crops
Approximately 124.02 acres (38.09 percent) of the Site consists of row crops. These areas appear to have been planted with corn which had been recently harvested.

2153- Hay Fields
Approximately 84.51 acres (25.96 percent) of the Site is newly planted hay fields.

2600 – Other Open Lands (Rural)
Approximately 5.28 acres (1.62 percent) of the site consists of other open lands used for agricultural purposes. There is a large barn, pump house, and diesel tank within this area.

2610- Fallow Cropland
Approximately 16.6 acres (5.10 percent) of the Site consists of fallow cropland. This area has been taken over by weeds.

4140- Pine-Mesic Oak
Approximately 0.94 acres (0.29 percent) of the Site is pine-mesic oak forest consisting primarily of Slash pine (*Pinus elliottii*), Laurel oak (*Quercus laurifolia*), water oak (*Quercus nigra*), live oak (*Quercus virginiana*), hickories (*Carya spp.*), dog fennel (*Eupatorium capillifolium*) and greenbriers (*Smilax spp.*).

4200- Upland Hardwood Forests
Approximately 89.83 acres (27.59 percent) of the Site is upland hardwood forests consisting primarily of black cherry (*Prunus serotina*), Darlington's oak (*Quercus hemisphaerica*), laurel oak (*Quercus laurifolia*), water oak (*Quercus nigra*), live oak (*Quercus virginiana*), sweetgum (*Liquidambar styraciflua*), hickories (*Carya spp.*), American beauty berry (*Callicarpa*

americana), saw greenbrier (*Smilax bona-nox*), and Virginia creeper (*Parthenocissus quinquefolia*).

8315- Electrical Power Substations

Approximately 3.82 acres (1.17 percent) of the site is an existing electrical power substation. The substation is owned by Clay Electric Cooperative and is located on the northern Project parcel.

8320- Electrical Power Transmission Lines

The Project site contains about 0.19 acres (0.06 percent) of electrical power transmission lines. These are located on the northern Project parcel owned by Clay Electric Cooperative.

5.0 Methodology

TRC wetland ecologists conducted field investigations on the site from May 25 to May 27, 2022, to identify wetlands, waterbodies, and other surface waters. The methodology used in wetlands and streams are described in the following sections.

5.1 Wetland Delineation

Surveys were performed in accordance with criteria set forth in the USACE 1987 Wetlands Delineation Manual (USACE, 1987) and the 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0) (USACE, 2010). Data were collected at sample plots in each delineated wetland and were recorded on USACE Routine Wetland Determination forms (Appendix B). Following the delineation of each waterway and wetland, boundary flags and wetland and upland data points were collected and mapped using a Geode GNSS receiver with sub-meter accuracy paired with a Samsung Galaxy Tab E tablet. These points were then connected by GIS staff to generate lines and polygons of the delineated features. The features were added as layers onto projected Esri basemaps (topographic and aerial imagery) to create maps used to illustrate the location and size of the delineated wetlands and waterways. These maps are incorporated into the wetland delineation report and may be used in future agency consultations, permit applications and plans.

Hydrophytic vegetation was assessed by identifying plant species and their assigned wetland indicator rating of obligate, facultative wet, facultative, facultative upland, and upland according to the 2018 National Wetland Plant List (USACE, 2018). Vegetation in both upland and wetland communities was characterized using the areal dominance method, with a radius of 30-feet around the soil sample location for trees, 15-feet radius for saplings and shrubs, and 5 feet for herbaceous plants.

Hydric soil indicators were determined according to the USDA NRCS (2018) Field Indicators of Hydric Soils in the U.S., using soil characteristics such as color matrix, hue, evidence of redox features which may include indicators such as saturation, gleyed matrix, mottling, hydrogen sulfide odor, and organic/peat layers present. Soil test pits were dug using a shovel to a depth of approximately 20-inches or refusal due the presence of hard pan layer, rock, or hard fill materials. Soil color was described using the Munsell Color book (Munsell Color, 2010), texture using USDA hand-texture methods and the presence/absence of redoximorphic features, including depletions and concentrations, was recorded.

Hydrology was determined based on a number of indicators that are divided into two categories, primary and secondary. The USACE manual (USACE, 1987) and Atlantic and Gulf Coastal Plain Regional Supplement (USACE, 2010) defines hydrology as present when at least one primary indicator or two secondary indicators are identified. One primary indicator is sufficient to determine if hydrology is present; however, if these are absent then two or more of the secondary indicators are required to determine hydrology. If other probable hydrology evidence was found, then this was subsequently documented on the data sheet. Representative photographs were taken of each delineated wetland community and are included in Appendix E with the USACE upland and wetland data sheets.

5.2 Waterbody Delineation

Waterbodies including streams, channels, drainageways, and ponds identified during field surveys were delineated and characterized. The centerline of streams and channels and outer limits of ponds were delineated and located with a Geode GNSS receiver with sub-meter accuracy paired with a Samsung Galaxy Tab E tablet. Streams and other surface waters were characterized by standard measurements such as bank height and stability, channel width and substrate, and direction/presence of water flow.

6.0 Results

6.1 Wetlands

Approximately 0.158 acres of wetlands were delineated and assessed within the northernmost and southernmost parcels of the Project site, as shown on Figure 7 in Appendix A. Table 4 below summarizes the wetland acreages by wetland types. The PSS wetland is an isolated depression within a sinkhole located in the upland hardwoods forest. The PEM wetland is an isolated swale located adjacent to the existing substation. The PSS wetland is associated with an NWI mapped wetland (PEM1F). Of the 0.158 acre of wetlands, 0.12 acre (0.04 percent) are scrub/shrub, and 0.038 acre (0.01 percent) are herbaceous.

Table 5: Wetlands Delineated on the Project Site

Wetland Type	Acreage	Percentage of Wetland Type in Project Area
PSS	0.12 acres	0.04%
PEM	0.038 acres	0.01%
Total	**0.158 acres**	

Wetland Type: PEM= Palustrine emergent wetland, PSS = Palustrine scrub/shrub wetland, PFO = Palustrine forested wetland, PUB= Palustrine unconsolidated bottom (Cowardin, 1979).

Common shrub species in the wetlands include Carolina willow (*Salix caroliniana*), Sweet bay (*Magnolia virginiana*), and cabbage palm (*Sabal palmetto*). Common herbaceous species within the PEM wetland include southern water grass (*Luziola fluitans*), common spike-rush (*Eleocharis palustris*) and Herb-of-Grace (*Bacopa monnieri*).

Typical primary hydrologic indictors observed in the wetlands include the presence of surface water, soil saturation, and inundation visible on aerial imagery. Commonly observed secondary indicators include drainage patterns, geomorphic position, and saturation visible on aerial imagery. The most common hydric soil indicator is depleted matrix.

Common tree species observed in the uplands include black cherry and Darlington's oak. Cabbage palm is the common shrub species in the forested uplands. American beauty berry, ebony spleenwort (*Asplenium platyneuron*), and English ivy (*Hedera helix*) are the common herbaceous species in the forested uplands. Virginia creeper and saw greenbrier was the dominant vine species observed in the uplands. Bahia grass (*Paspalum notatum*) and vasey grass (*Paspalum urvillei*) are the common herbaceous species observed in the non-forested uplands.

6.2 Waterbodies

TRC identified one non-jurisdictional drainage ditch within the upland hardwoods on the middle parcel. No streams or ponds were observed during the Project Site visit.

7.0 Summary and Recommendations

TRC ecologists conducted a wetland and waterbody delineation from May 25 to 27, 2022. During the site visit, TRC delineated two wetlands: a 0.12-acre PSS wetland and a 0.038-acre PEM wetland. TRC also delineated one non-jurisdictional drainage ditch. Non-jurisdictional drainage ditches are not regulated by the USACE or state of Florida and can be impacted with no permit or mitigation required. TRC recommends Solariant avoid all impacts to wetlands, wherever possible. If wetland impacts are unavoidable, a permit will be required. It is TRC's opinion that the wetlands on the Project site are not federally jurisdictional so a permit should not be needed from the USACE. Development activities in Florida state wetlands and surface waters are regulated under Chapter 62-330 FAC, which is administered by the Florida Department of Environmental Protection (FDEP) through the Environmental Resource Permit (ERP) process. An ERP permit would be required for any proposed impacts to the wetlands on the Project site. If impacts to wetlands are avoided, no ERP would be required; however, an ERP will be required for the development of a stormwater management system. The state of Florida regulates an average 25-foot buffer (15 foot minimum) around all wetlands. Since the Project is located within Alachua County, the Project must also adhere to the wetland setback requirements outlined in Chapter 77, Article II of the Alachua County Code. Alachua County regulates a 50-foot buffer (35-foot minimum) around all surface waters and wetlands less than or equal to 0.5 acre that do not include Outstanding Florida Waters or listed animal species. TRC anticipates both wetlands on the Project site will require a 50-foot buffer. However, the PSS wetland is located within a sinkhole and Alachua County requires a 75-foot buffer for all sinkholes. Therefore, the PSS wetland will require a 75-foot buffer.

8.0 References

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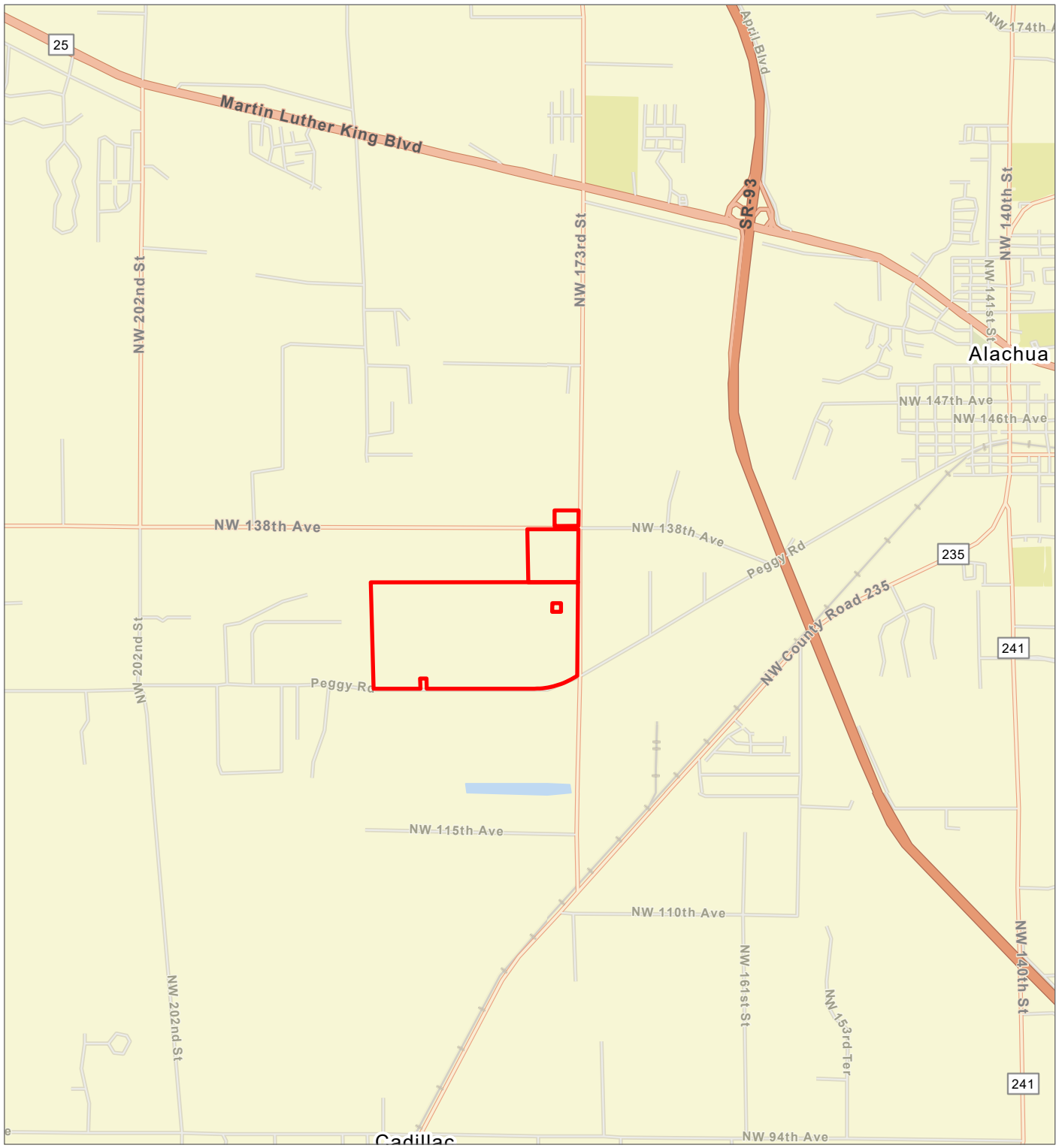
Appendix A
Figures



PROPERTY BOUNDARY

BASE MAP: ESRI WORLD STREET MAP
DATA SOURCES: TRC

N

0 1,000 2,000

FEET

1:48,000 1" = 4,000'



PROJECT: SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE: SITE LOCATION MAP

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING		
APPROVED BY:	J. MANIKOWSKI		
DATE:	JUNE 2022		

FIGURE 1

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: PLEASANT_SOLAR_2022

COORDINATE SYSTEM: WGS 1984 WEB MERCATOR AUXILIARY SPHERE; MAP ROTATION: 0
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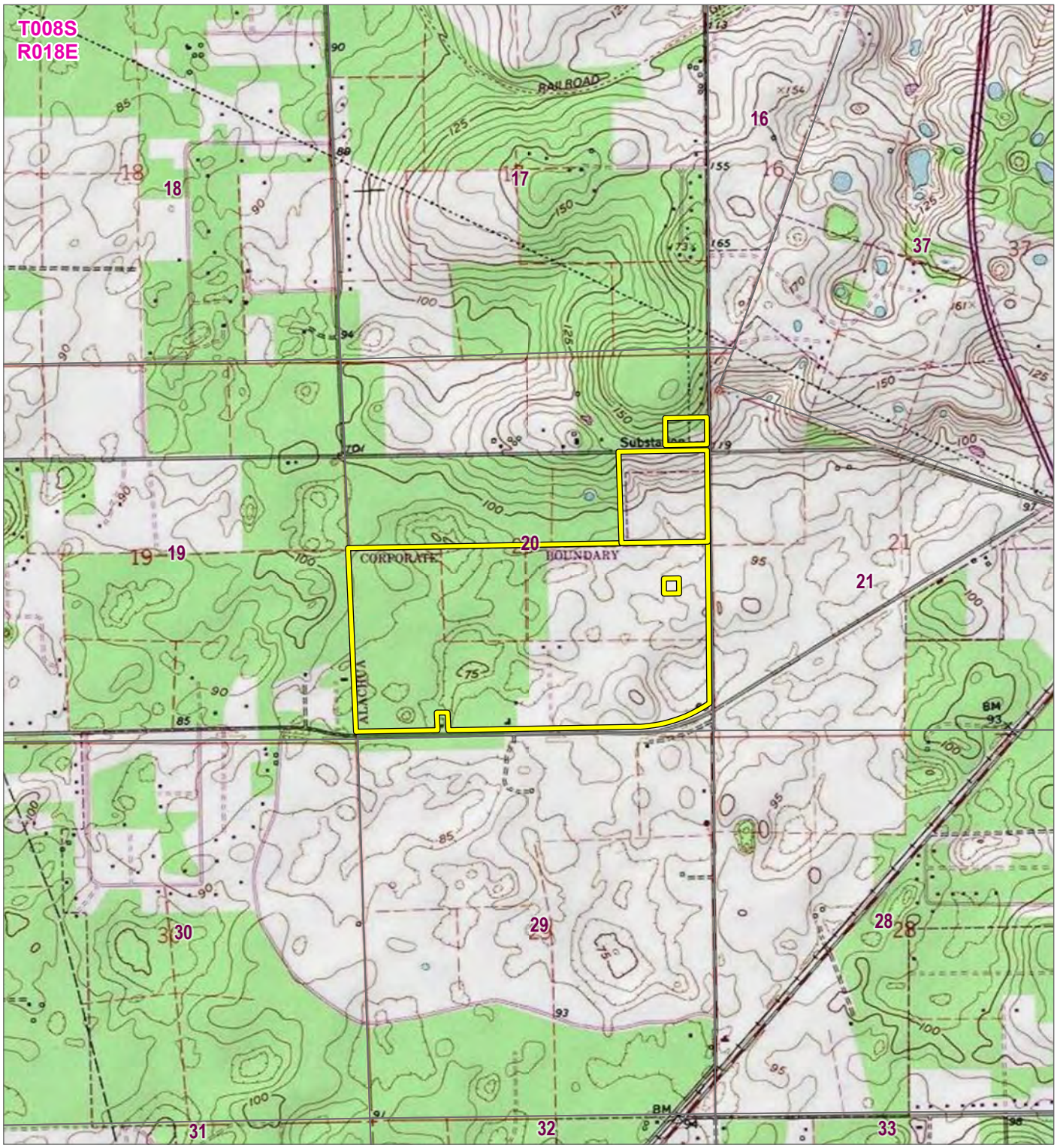

PLEASANT SOLAR PARCELS

BASE MAP: USGS TOPO
DATA SOURCES: TRC

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FEET
1:24,000 1" = 2,000'

AL GA FL

PROJECT: SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE: U.S. TOPOGRAPHIC MAP

DRAWN BY:	R. SPRING	PROJ. NO.:	495474
CHECKED BY:	D. SWEENEY		
APPROVED BY:	J. MANIKOWSKI		FIGURE 2
DATE:	APRIL 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: Pleasant_Solar.aprx

COORDINATE SYSTEM: NAD 1983 STATEPLANE FLORIDA NORTH FIPS 0903 FEET: MAP ROTATION: 0
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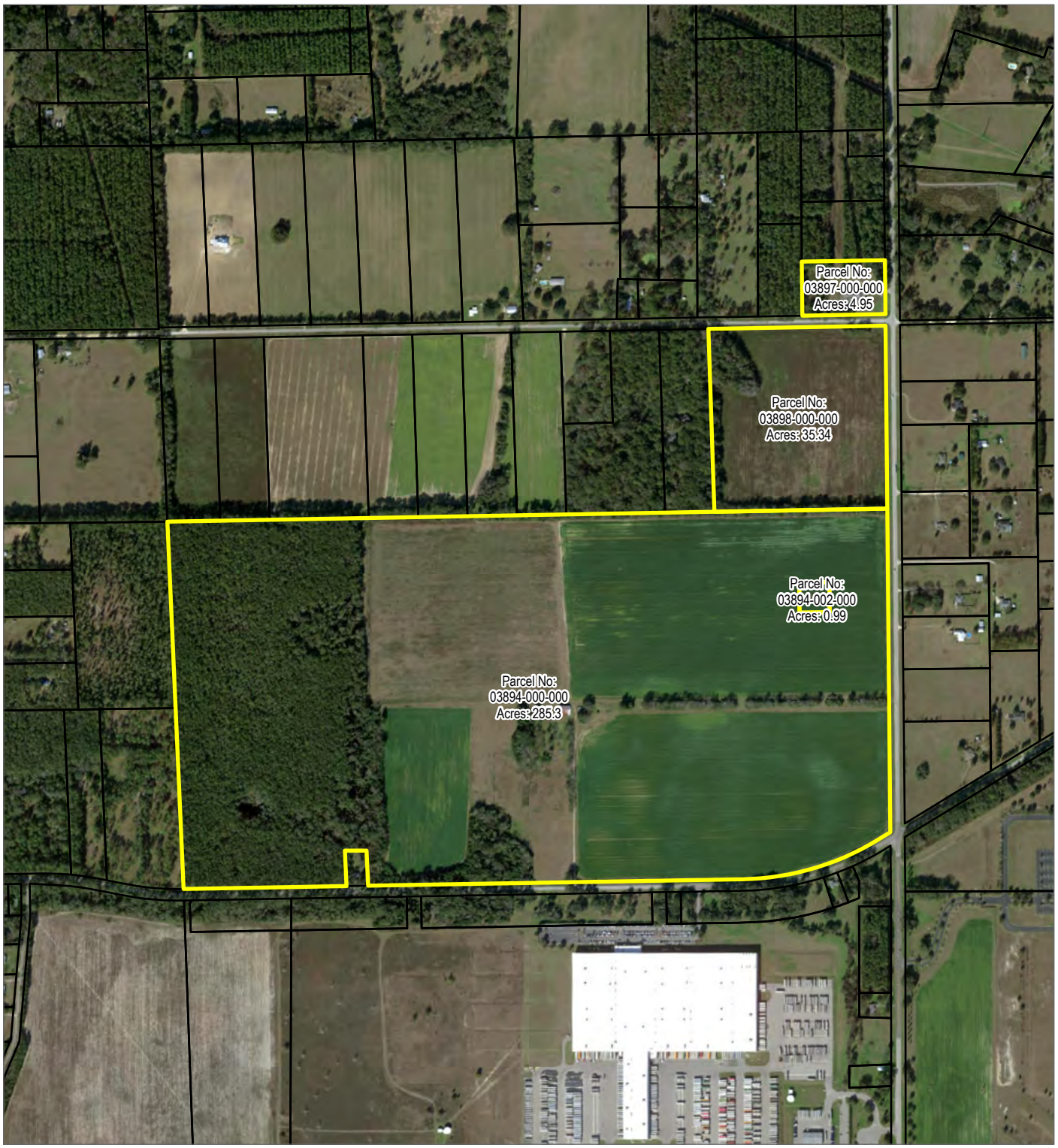

PROPERTY BOUNDARY

ALACHUA COUNTY PARCEL BOUNDARY

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FEET

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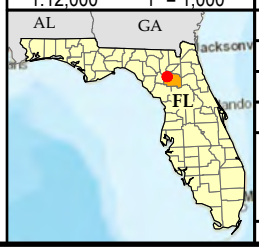

BASE MAP: ESRI AERIAL IMAGERY
DATA SOURCES: TRC, ALACHUA COUNTY GIS

PROJECT: **SOLARIANT CAPITAL, LLC**
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE: **AERIAL MAP**

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING		
APPROVED BY:	J. MANIKOWSKI		**FIGURE 3**
DATE:	JUNE 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: PLEASANT_SOLAR_2022

COORDINATE SYSTEM: NAD 1983 2011 STATEPLANE FLORIDA NORTH FIPS 0903 FT US; MAP ROTATION: 0
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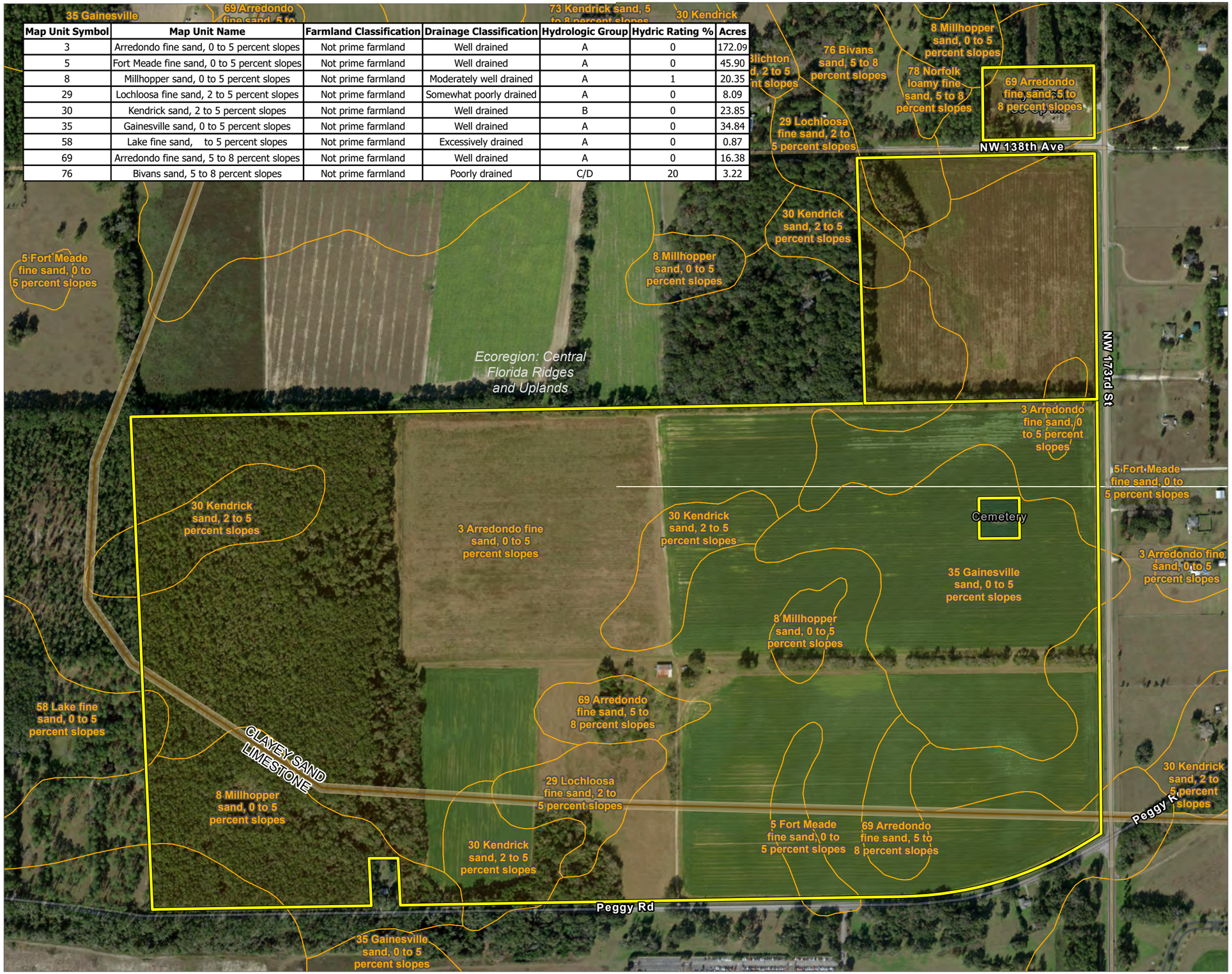
Map Unit Symbol	Map Unit Name	Farmland Classification	Drainage Classification	Hydrologic Group	Hydric Rating %	Acres
3	Arredondo fine sand, 0 to 5 percent slopes	Not prime farmland	Well drained	A	0	172.09
5	Fort Meade fine sand, 0 to 5 percent slopes	Not prime farmland	Well drained	A	0	45.90
8	Millhopper sand, 0 to 5 percent slopes	Not prime farmland	Moderately well drained	A	1	20.35
29	Lochloosa fine sand, 2 to 5 percent slopes	Not prime farmland	Somewhat poorly drained	A	0	8.09
30	Kendrick sand, 2 to 5 percent slopes	Not prime farmland	Well drained	B	0	23.85
35	Gainesville sand, 0 to 5 percent slopes	Not prime farmland	Well drained	A	0	34.84
58	Lake fine sand, to 5 percent slopes	Not prime farmland	Excessively drained	A	0	0.87
69	Arredondo fine sand, 5 to 8 percent slopes	Not prime farmland	Well drained	A	0	16.38
76	Bivans sand, 5 to 8 percent slopes	Not prime farmland	Poorly drained	C/D	20	3.22



PLEASANT SOLAR PARCELS
ENVIRONMENTAL GEOLOGY ROCK AND SOILS
SSURGO SOILS

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER.
DATA SOURCES: TRC, NRCS SSURGO



1:6,000
1" = 500'
0 500 1,000 FEET

PROJECT:
SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE:
SOILS AND GEOLOGIC RESOURCES

DRAWN BY:	R. SPRING	PROJ. NO.:	495474
CHECKED BY:	D. SWEENEY		
APPROVED BY:	J. MANIKOWSKI		FIGURE 4
DATE:	APRIL 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: Pleasant_Solar.aprx

Coordinate System: NAD 1983 StatePlane Florida North FIPS 0903 Feet. Map Rotation: 0
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PROPERTY BOUNDARY

LANDUSE DESCRIPTION AND ACREAGE:

- 1110: LOW DENSITY, FIXED SINGLE FAMILY UNITS (0.40)
- 2140: ROW CROPS (124.02)
- 2153: HAY FIELDS (84.51)
- 2600: OTHER OPEN LANDS (RURAL) (5.28)
- 2610: FALLOW CROPLAND (16.6)
- 4140: PINE - MESIC OAK (0.94)
- 4200: UPLAND HARDWOOD FORESTS (89.83)
- 8315: ELECTRIC POWER SUB STATIONS (3.82)
- 8320: ELECTRICAL POWER TRANSMISSION LINES (0.19)

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER.
DATA SOURCES: TRC, FDEP



N

1:6,000
1" = 500'

0 500 1,000 FEET

PROJECT: SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

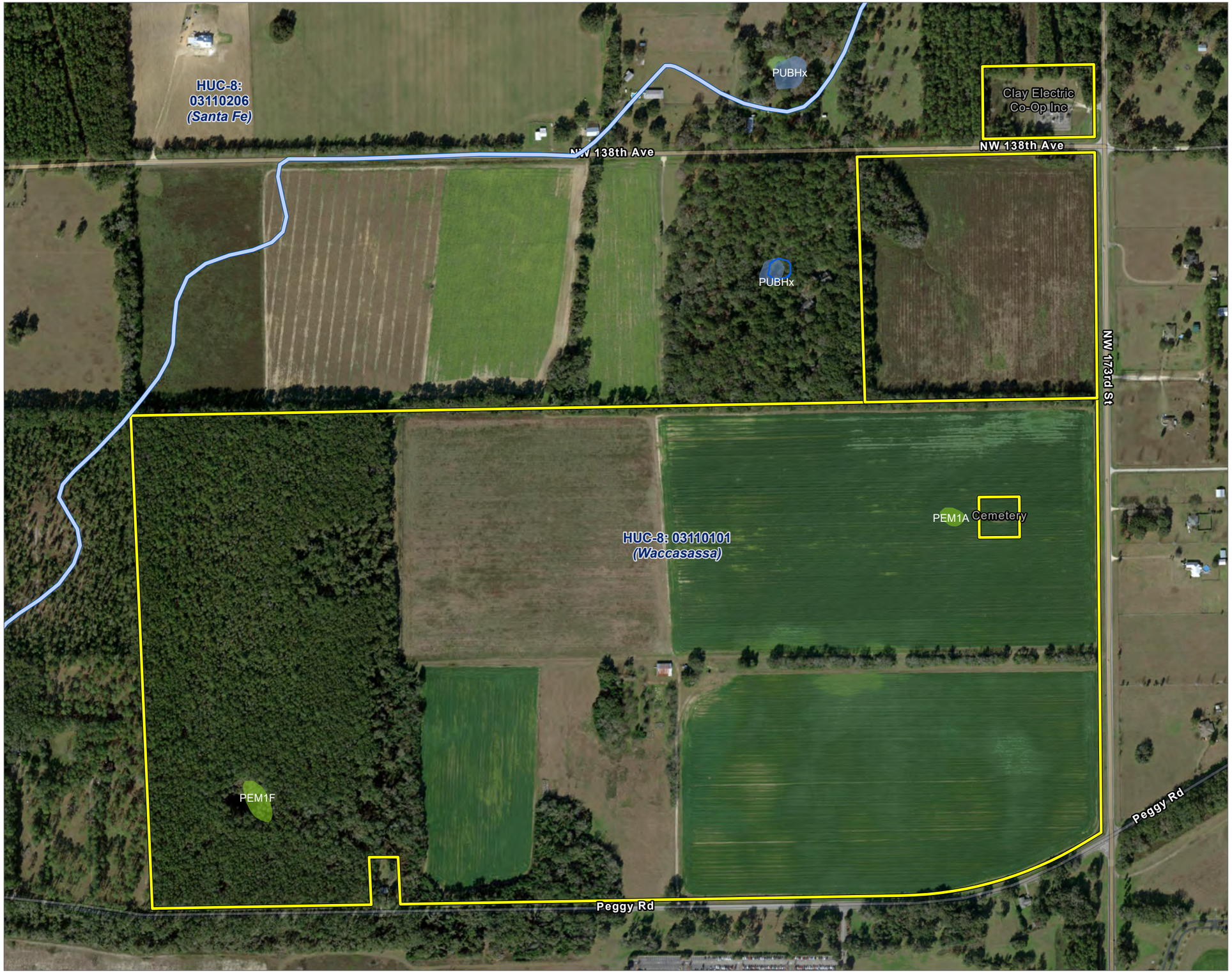
TITLE: VEGETATION AND LAND USE

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING	FIGURE 5	
APPROVED BY:	J. MANIKOWSKI		
DATE:	JUNE 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: Pleasant_Solar_2022.aprx

Coordinate System: NAD 1983 StatePlane Florida North FIPS 0903 Feet; Map Rotation: 0
-- Saved By: JWELCH on 6/16/2022, 16:43:35 PM; File Path: T:\1-PROJECTS\Solariant\495474_Pleasant_Solar\2-APRX\Pleasant_Solar_2022.aprx; Layout Name: Fig 5 Pleasant Solar Veg and Land Use



PLEASANT SOLAR PARCELS
HUC-8 BOUNDARY
NHD WATERBODY
NWI WETLAND TYPE:
FRESHWATER EMERGENT WETLAND
FRESHWATER POND

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER.
DATA SOURCES: TRC, USFWS NWI, USGS NHD, FEMA

THERE ARE NO FLOOD HAZARD AREAS PRESENT IN CURRENT MAP EXTENT.



N

1:6,000
1" = 500'

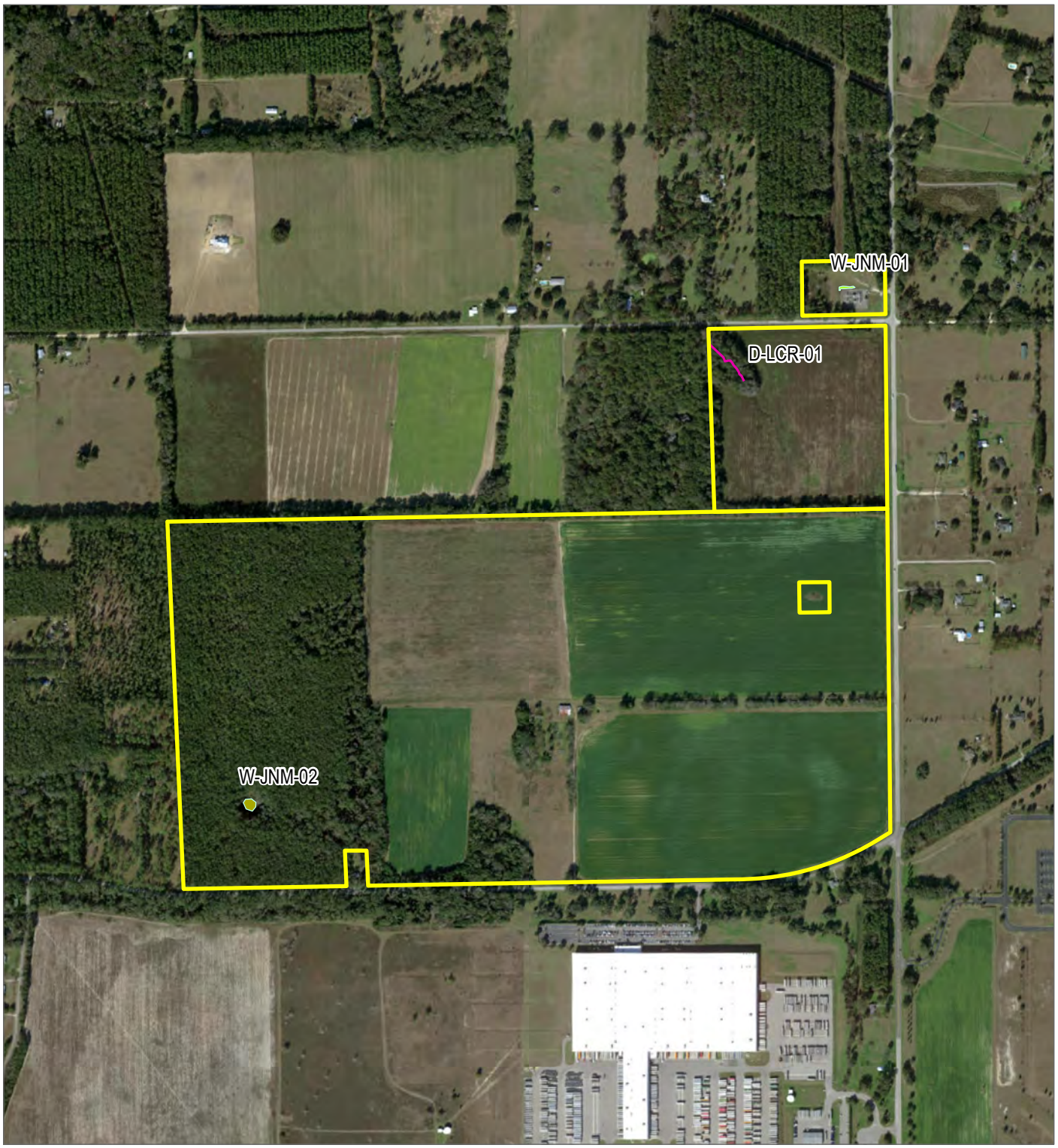
0 500 1,000 FEET

PROJECT:	SOLARIANT CAPITAL, LLC PLEASANT SOLAR ALACHUA COUNTY, FLORIDA
TITLE:	AQUATIC RESOURCES
DRAWN BY: R. SPRING	PROJ. NO.: 459474
CHECKED BY: D. SWEENEY	FIGURE 6
APPROVED BY: J. MANIKOWSKI	
DATE: APRIL 2022	

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: Pleasant_Solar.aprx

Coordinate System: NAD 1983 StatePlane Florida North FIPS 0903 Feet; Map Rotation: 0
-- Saved By: RSPRING on 4/19/2021, 11:16:46 AM; File Path: \\employees\gis\arcgispro\1-PROJECTS\Solariant\437577_Pleasant_Solar\2-APRX\Pleasant_Solar.aprx; Layout Name: Fig 3 Pleasant Solar Aquatic Resources



PROPERTY BOUNDARY

WETLAND

PEM (0.038 ACRES)

PSS (0.12 ACRES)

NON-JD DRAINAGE LINE

BASE MAP: ESRI AERIAL IMAGERY
DATA SOURCES: TRC, ALACHUA COUNTY GIS

N

0 500 1,000

FEET

1:12,000 1" = 1,000'



PROJECT:

SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE:

WETLAND AND WATERBODY DELINEATION

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING		
APPROVED BY:	J. MANIKOWSKI		**FIGURE 7**
DATE:	JUNE 2022		

TRC

4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: PLEASANT_SOLAR_2022

COORDINATE SYSTEM: NAD 1983 2011 STATEPLANE FLORIDA NORTH FIPS 0903 FT US; MAP ROTATION: 0
-- SAVED BY: JWELCH ON 6/15/2022, 14:35:33 PM; FILE PATH: T:\1-PROJECTS\SOLARIANT\495474_PLEASANT_SOLAR\2-APRX\PLEASANT_SOLAR_2022 APRX; LAYOUT NAME: FIG 7 WETLAND AND WATERBODY

Appendix B
Wetland Data Sheets and Photographs

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Pleasant Solar **City/County:** Alachua, Alachua Coun… **Sampling Date:** 2022-May-25
Applicant/Owner: Solariant **State:** FL **Sampling Point:** W-JNM-01_PEM-1
Investigator(s): Jennifer Manikowski, Lindsay Robinson , Jennifer Man… **Section, Township, Range:**
Landform (hillslope, terrace, etc.): Swale **Local relief (concave, convex, none):** Concave **Slope (%):** 1 to 3
Subregion (LRR or MLRA): LRR P **Lat:** 29.7824646243 **Long:** -82.5277507921 **Datum:** WGS84
Soil Map Unit Name: Arredondo fine sand, 5 to 8 percent slopes **NWI classification:** None
Are climatic/hydrologic conditions on the site typical for this time of year? Yes _✓_ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes _✓_ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _✓_ No ____		
Hydric Soil Present?	Yes _✓_ No ____		
Wetland Hydrology Present?	Yes _✓_ No ____	**Is the Sampled Area within a Wetland?**	**Yes _✓_ No ____**

Remarks:

Covertype is PEM. Area is wetland, all three wetland parameters are present..

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- _✓_ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ Marl Deposits (B15) **(LRR U)**
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres along Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- _✓_ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- _✓_ Saturation Visible on Aerial Imagery (C9)
- _✓_ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- _✓_ FAC-Neutral Test (D5)
- ___ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____ No _✓_	Depth (inches):	
Water Table Present?	Yes ____ No _✓_	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes _✓_ No ____	Depth (inches):	6

Wetland Hydrology Present? Yes _✓_ No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (primary and secondary indicators were present).

Sampling Point: W-JNM-01_PEM-1

VEGETATION (Four Strata) -- Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 30)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. *Luziola fluitans*	70	Yes	OBL
2. *Eleocharis palustris*	15	No	OBL
3. *Bacopa monnieri*	5	No	OBL
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90 = Total Cover		
50% of total cover: 45	20% of total cover: 18		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	1	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply By:	
OBL species	90	x 1 =	90
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals	90	(A)	90 (B)
Prevalence Index = B/A =	1		

Hydrophytic Vegetation Indicators:

- ✓ 1- Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ✓ 3 - Prevalence Index is ≤ 3.0[1]
- ____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks: (Include photo numbers here or on a separate sheet.)

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC). A positive indication of hydrophytic vegetation was observed (Prevalence Index is ≤ 3.00). A positive indication of hydrophytic vegetation was observed (Rapid Test for Hydrophytic Vegetation).

SOIL

Sampling Point: W-JNM-01_PEM-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 2	10YR 4/1	100					Sandy Loam	
2 - 10	10YR 5/1	95	10YR 4/6	5	C	M	Sandy Loam	
10 - 16	N 7/	85	7.5YR 5/8					

[1]Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. [2]Location: PL = Pore Lining, M = Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

__ Histosol (A1)
__ Histic Epipedon (A2)
__ Black Histic (A3)
__ Hydrogen Sulfide (A4)
__ Stratified Layers (A5)
__ Organic Bodies (A6) **(LRR P, T, U)**
__ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
__ Muck Presence (A8) **(LRR U)**
__ 1 cm Muck (A9) **(LRR P, T)**
__ Depleted Below Dark Surface (A11)
__ Thick Dark Surface (A12)
__ Coast Prairie Redox (A16) **(MLRA 150A)**
__ Sandy Mucky Mineral (S1) **(LRR O, S)**
__ Sandy Gleyed Matrix (S4)
__ Sandy Redox (S5)
__ Stripped Matrix (S6)
__ Dark Surface (S7) **(LRR P, S, T, U)**
__ Polyvalue Below Surface (S8) **(LRR S, T, U)**
__ Thin Dark Surface (S9) **(LRR S, T, U)**
__ Loamy Mucky Mineral (F1) **(LRR O)**
__ Loamy Gleyed Matrix (F2)
✓ Depleted Matrix (F3)
__ Redox Dark Surface (F6)
__ Depleted Dark Surface (F7)
__ Redox Depressions (F8)
__ Marl (F10) **(LRR U)**
__ Depleted Ochric (F11) **(MLRA 151)**
__ Iron-Manganese Masses (F12) **(LRR O, P, T)**
__ Umbric Surface (F13) **(LRR P, T, U)**
__ Delta Ochric (F17) **(MLRA 151)**
__ Reduced Vertic (F18) **MLRA 150A, 150B)**
__ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
__ Anomalous Bright Loamy soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) **(LRR O)**
___ 2 cm Muck (A10) **(LRR S)**
___ Reduced Vertic (F18) **(outside MLRA 150A,B)**
___ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
___ Anomalous Bright Loamy soils (F20) **(MLRA 153B)**
___ Red Parent Material (TF2)
___ Very Shallow Dark Surface (TF12)
___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches):

Hydric Soil Present? Yes ✓ No ____

Remarks:

A positive indication of hydric soil was observed. The criterion for hydric soil is met.

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Pleasant Solar **City/County:** Alachua, Alachua Coun… **Sampling Date:** 2022-May-25
Applicant/Owner: Solariant **State:** FL **Sampling Point:** W-JNM-01_UPL-1
Investigator(s): Lindsay Robinson, Lindsay Robinson, Jenna Manikow… **Section, Township, Range:**
Landform (hillslope, terrace, etc.): Hillslope **Local relief (concave, convex, none):** Concave **Slope (%):** 1 to 10
Subregion (LRR or MLRA): LRR P **Lat:** 29.7825282075 **Long:** -82.5277244585 **Datum:** WGS84
Soil Map Unit Name: Arredondo fine sand, 5 to 8 percent slopes **NWI classification:** None
Are climatic/hydrologic conditions on the site typical for this time of year? Yes _✓_ No ____ (If no, explain in Remarks.)
Are Vegetation _✓_, Soil ____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _✓_ No ____
Are Vegetation ____, Soil ____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____ No _✓_	
Hydric Soil Present?	Yes ____ No _✓_	
Wetland Hydrology Present?	Yes ____ No _✓_	**Is the Sampled Area within a Wetland?** **Yes ____ No _✓_**

Remarks:

Covertype is UPL. Area is upland, not all three wetland parameters are present.. Wetland located adjacent to substation fence line.
Routinely mowed so vegetation is disturbed .

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15) **(LRR U)**
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____ No _✓_	Depth (inches):	
Water Table Present?	Yes ____ No _✓_	Depth (inches):	**Wetland Hydrology Present?** Yes ____ No _✓_
Saturation Present? (includes capillary fringe)	Yes ____ No _✓_	Depth (inches):	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No positive indication of wetland hydrology was observed.

VEGETATION (Four Strata) -- Use scientific names of plants.

Sampling Point: W-JNM-01_UPL-1

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 30)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. *Paspalum notatum*	80	Yes	FACU
2. *Paspalum urvillei*	20	Yes	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	100 = Total Cover		
50% of total cover: 50	20% of total cover: 20		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	50	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply By:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	80	x 4 =	320
UPL species	0	x 5 =	0
Column Totals	100	(A)	380 (B)
Prevalence Index = B/A =	3.8		

Hydrophytic Vegetation Indicators:

____ 1- Rapid Test for Hydrophytic Vegetation

____ 2 - Dominance Test is > 50%

____ 3 - Prevalence Index is ≤ 3.0[1]

____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

No positive indication of hydrophytic vegetation was observed (≥50% of dominant species indexed as FAC− or drier). Maintained Sunstation property.

SOIL

Sampling Point: W-JNM-01_UPL-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 9	10YR 3/2	100					Fibric Loamy Sand	
9 - 13	10YR 3/2	90	10YR 6/3	10			Loamy Sand	
13 - 22	10YR 4/2	80	10YR 5/8	10	C	M	Gravelly Sandy Loam	
13 - 22	10YR 6/1	10	10YR 6/1				Gravelly Sandy Loam	

[1]Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. [2]Location: PL = Pore Lining, M = Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

__ Histosol (A1)
__ Histic Epipedon (A2)
__ Black Histic (A3)
__ Hydrogen Sulfide (A4)
__ Stratified Layers (A5)
__ Organic Bodies (A6) **(LRR P, T, U)**
__ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
__ Muck Presence (A8) **(LRR U)**
__ 1 cm Muck (A9) **(LRR P, T)**
__ Depleted Below Dark Surface (A11)
__ Thick Dark Surface (A12)
__ Coast Prairie Redox (A16) **(MLRA 150A)**
__ Sandy Mucky Mineral (S1) **(LRR O, S)**
__ Sandy Gleyed Matrix (S4)
__ Sandy Redox (S5)
__ Stripped Matrix (S6)
__ Dark Surface (S7) **(LRR P, S, T, U)**
__ Polyvalue Below Surface (S8) **(LRR S, T, U)**
__ Thin Dark Surface (S9) **(LRR S, T, U)**
__ Loamy Mucky Mineral (F1) **(LRR O)**
__ Loamy Gleyed Matrix (F2)
__ Depleted Matrix (F3)
__ Redox Dark Surface (F6)
__ Depleted Dark Surface (F7)
__ Redox Depressions (F8)
__ Marl (F10) **(LRR U)**
__ Depleted Ochric (F11) **(MLRA 151)**
__ Iron-Manganese Masses (F12) **(LRR O, P, T)**
__ Umbric Surface (F13) **(LRR P, T, U)**
__ Delta Ochric (F17) **(MLRA 151)**
__ Reduced Vertic (F18) **MLRA 150A, 150B)**
__ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
__ Anomalous Bright Loamy soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) **(LRR O)**
___ 2 cm Muck (A10) **(LRR S)**
___ Reduced Vertic (F18) **(outside MLRA 150A,B)**
___ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
___ Anomalous Bright Loamy soils (F20) **(MLRA 153B)**
___ Red Parent Material (TF2)
___ Very Shallow Dark Surface (TF12)
___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches):

Hydric Soil Present? Yes ____ No _✓_

Remarks:

No positive indication of hydric soils was observed.

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Pleasant Solar **City/County:** Alachua, Alachua Coun… **Sampling Date:** 2022-May-26
Applicant/Owner: Solariant **State:** FL **Sampling Point:** W-JNM-02_PSS-1
Investigator(s): Jennifer Manikowski, Lindsay Robinson **Section, Township, Range:**
Landform (hillslope, terrace, etc.): Sinkhole **Local relief (concave, convex, none):** Concave **Slope (%):** 95 to 1…
Subregion (LRR or MLRA): LRR P **Lat:** 29.772709926 **Long:** -82.5410472974 **Datum:** WGS84
Soil Map Unit Name: Millhopper sand, 0 to 5 percent slopes **NWI classification:** PEM
Are climatic/hydrologic conditions on the site typical for this time of year? Yes _✓_ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No _✓_
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _✓_ No ____		
Hydric Soil Present?	Yes _✓_ No ____		
Wetland Hydrology Present?	Yes _✓_ No ____	**Is the Sampled Area within a Wetland?**	**Yes _✓_ No ____**

Remarks:

Covertype is PSS. Area is wetland . The wetland is located within a deep sinkhole. .

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- _✓_ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ Marl Deposits (B15) **(LRR U)**
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres along Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- _✓_ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- _✓_ FAC-Neutral Test (D5)
- ___ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____ No _✓_	Depth (inches):	
Water Table Present?	Yes ____ No _✓_	Depth (inches):	**Wetland Hydrology Present?** Yes _✓_ No ____
Saturation Present? (includes capillary fringe)	Yes ____ No _✓_	Depth (inches):	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (at least one primary indicator). The wetland is located within a 150 foot deep sinkhole. Unable to determine the depth of water..

VEGETATION (Four Strata) -- Use scientific names of plants.

Sampling Point: W-JNM-02_PSS-1

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0	= Total Cover	

50% of total cover: 0 20% of total cover: 0

Sapling/Shrub Stratum (Plot size: 30)			
1. *Salix caroliniana*	65	Yes	OBL
2. *Acer rubrum*	15	No	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	80	= Total Cover	

50% of total cover: 40 20% of total cover: 16

Herb Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	0	= Total Cover	

50% of total cover: 0 20% of total cover: 0

Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0	= Total Cover	

50% of total cover: 0 20% of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	1	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply By:	
OBL species	65	x 1 =	65
FACW species	0	x 2 =	0
FAC species	15	x 3 =	45
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals	80	(A)	110 (B)

Prevalence Index = B/A = 1.4

Hydrophytic Vegetation Indicators:

✓ 1- Rapid Test for Hydrophytic Vegetation

✓ 2 - Dominance Test is >50%

✓ 3 - Prevalence Index is ≤ 3.0[1]

____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks: (Include photo numbers here or on a separate sheet.)

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC).

SOIL

Sampling Point: W-JNM-02_PSS-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
-								

[1]Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. [2]Location: PL = Pore Lining, M = Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

__ Histosol (A1)
__ Histic Epipedon (A2)
__ Black Histic (A3)
__ Hydrogen Sulfide (A4)
__ Stratified Layers (A5)
__ Organic Bodies (A6) **(LRR P, T, U)**
__ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
__ Muck Presence (A8) **(LRR U)**
__ 1 cm Muck (A9) **(LRR P, T)**
__ Depleted Below Dark Surface (A11)
__ Thick Dark Surface (A12)
__ Coast Prairie Redox (A16) **(MLRA 150A)**
__ Sandy Mucky Mineral (S1) **(LRR O, S)**
__ Sandy Gleyed Matrix (S4)
__ Sandy Redox (S5)
__ Stripped Matrix (S6)
__ Dark Surface (S7) **(LRR P, S, T, U)**
__ Polyvalue Below Surface (S8) **(LRR S, T, U)**
__ Thin Dark Surface (S9) **(LRR S, T, U)**
__ Loamy Mucky Mineral (F1) **(LRR O)**
__ Loamy Gleyed Matrix (F2)
__ Depleted Matrix (F3)
__ Redox Dark Surface (F6)
__ Depleted Dark Surface (F7)
__ Redox Depressions (F8)
__ Marl (F10) **(LRR U)**
__ Depleted Ochric (F11) **(MLRA 151)**
__ Iron-Manganese Masses (F12) **(LRR O, P, T)**
__ Umbric Surface (F13) **(LRR P, T, U)**
__ Delta Ochric (F17) **(MLRA 151)**
__ Reduced Vertic (F18) **MLRA 150A, 150B)**
__ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
__ Anomalous Bright Loamy soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) **(LRR O)**
___ 2 cm Muck (A10) **(LRR S)**
___ Reduced Vertic (F18) **(outside MLRA 150A,B)**
___ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
___ Anomalous Bright Loamy soils (F20) **(MLRA 153B)**
___ Red Parent Material (TF2)
___ Very Shallow Dark Surface (TF12)
__✓__ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches):

Hydric Soil Present? Yes __✓__ No ____

Remarks:

The wetland is located in a steep sinkhole so a soil profile could not be obtained. Due to the presence of hydrology and hydrophytic vegetation, soils are assumed to be hydric .

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Pleasant Solar **City/County:** Alachua, Alachua Coun… **Sampling Date:** 2022-May-26
Applicant/Owner: Solariant **State:** FL **Sampling Point:** W-JNM-02_UPL-1
Investigator(s): Lindsay Robinson, Lindsay Robinson, Jennifer Maniko… **Section, Township, Range:**
Landform (hillslope, terrace, etc.): Flat **Local relief (concave, convex, none):** Concave **Slope (%):** 0 to 1
Subregion (LRR or MLRA): LRR P **Lat:** 29.77255599 **Long:** -82.5407903046 **Datum:** WGS84
Soil Map Unit Name: Millhopper fine sand, 0 to 5 percent slopes **NWI classification:**
Are climatic/hydrologic conditions on the site typical for this time of year? Yes _✓_ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes _✓_ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____ No _✓_		
Hydric Soil Present?	Yes ____ No _✓_		
Wetland Hydrology Present?	Yes ____ No _✓_	**Is the Sampled Area within a Wetland?**	**Yes ____ No _✓_**

Remarks:

Covertype is UPL. Area is upland, not all three wetland parameters are present..

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15) **(LRR U)**
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____ No _✓_	Depth (inches):	
Water Table Present?	Yes ____ No _✓_	Depth (inches):	**Wetland Hydrology Present?** Yes ____ No _✓_
Saturation Present? (includes capillary fringe)	Yes ____ No _✓_	Depth (inches):	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No positive indication of wetland hydrology was observed.

VEGETATION (Four Strata) -- Use scientific names of plants.

Sampling Point: W-JNM-02_UPL-1

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Prunus serotina*	70	Yes	FACU
2. *Quercus hemisphaerica*	10	No	FACU
3.			
4.			
5.			
6.			
7.			
8.			
	80	= Total Cover	
50% of total cover: 40	20% of total cover:		16
Sapling/Shrub Stratum (Plot size: 30)			
1. *Prunus serotina*	40	Yes	FACU
2. *Sabal palmetto*	5	No	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	45	= Total Cover	
50% of total cover: 22.5	20% of total cover:		9
Herb Stratum (Plot size: 5)			
1. *Callicarpa americana*	5	Yes	FACU
2. *Asplenium platyneuron*	5	Yes	FACU
3. *Hedera helix*	10	Percent cover cannot be greater than a previous species	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	20	= Total Cover	
50% of total cover: 10	20% of total cover:		4
Woody Vine Stratum (Plot size: 5)			
1. *Smilax bona-nox*	10	Yes	FAC
2.			
3.			
4.			
5.			
	10	= Total Cover	
50% of total cover: 5	20% of total cover:		2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	5	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	20	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply By:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	15	x 3 =	45
FACU species	140	x 4 =	560
UPL species	0	x 5 =	0
Column Totals	155	(A)	605 (B)
Prevalence Index = B/A =	3.9		

Hydrophytic Vegetation Indicators:

____ 1- Rapid Test for Hydrophytic Vegetation

____ 2 - Dominance Test is > 50%

____ 3 - Prevalence Index is ≤ 3.0[1]

____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W-JNM-02_UPL-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 7	10YR 3/2	100					Sandy Loam	
7 - 16	10YR 4/3	100					Sandy Loam	

[1]Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. [2]Location: PL = Pore Lining, M = Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

__ Histosol (A1)
__ Histic Epipedon (A2)
__ Black Histic (A3)
__ Hydrogen Sulfide (A4)
__ Stratified Layers (A5)
__ Organic Bodies (A6) **(LRR P, T, U)**
__ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
__ Muck Presence (A8) **(LRR U)**
__ 1 cm Muck (A9) **(LRR P, T)**
__ Depleted Below Dark Surface (A11)
__ Thick Dark Surface (A12)
__ Coast Prairie Redox (A16) **(MLRA 150A)**
__ Sandy Mucky Mineral (S1) **(LRR O, S)**
__ Sandy Gleyed Matrix (S4)
__ Sandy Redox (S5)
__ Stripped Matrix (S6)
__ Dark Surface (S7) **(LRR P, S, T, U)**
__ Polyvalue Below Surface (S8) **(LRR S, T, U)**
__ Thin Dark Surface (S9) **(LRR S, T, U)**
__ Loamy Mucky Mineral (F1) **(LRR O)**
__ Loamy Gleyed Matrix (F2)
__ Depleted Matrix (F3)
__ Redox Dark Surface (F6)
__ Depleted Dark Surface (F7)
__ Redox Depressions (F8)
__ Marl (F10) **(LRR U)**
__ Depleted Ochric (F11) **(MLRA 151)**
__ Iron-Manganese Masses (F12) **(LRR O, P, T)**
__ Umbric Surface (F13) **(LRR P, T, U)**
__ Delta Ochric (F17) **(MLRA 151)**
__ Reduced Vertic (F18) **MLRA 150A, 150B)**
__ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
__ Anomalous Bright Loamy soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) **(LRR O)**
___ 2 cm Muck (A10) **(LRR S)**
___ Reduced Vertic (F18) **(outside MLRA 150A,B)**
___ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
___ Anomalous Bright Loamy soils (F20) **(MLRA 153B)**
___ Red Parent Material (TF2)
___ Very Shallow Dark Surface (TF12)
___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches):

Hydric Soil Present? Yes ____ No _✓_

Remarks:

The criterion for hydric soil is not met. No positive indication of hydric soils was observed.

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Solariant Capital, LLC

PLEASANT SOLAR PROJECT
Alachua County, Florida

Threatened and Endangered Species Habitat Assessment Report

Prepared For:



Solariant Capital, LLC
301 North Lake Ave, Suite 950
Pasadena, CA 91101

Prepared By:

TRC Environmental Corporation



TRC
Jacksonville, FL

December 2022

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ATTACHMENTS

Attachment A – Figures
- Figure 1 – Site Location Map
- Figure 2 – U.S. Topographic Map
- Figure 3 – Aerial Map
- Figure 4 – Land Use Map
- Figure 5 – Wetland and Waterbody Delineation Map

Attachment B – USFWS IPaC Resource List
Attachment C – FNAI Biodiversity Matrix
Attachment D – Site Photographs

1.0 Introduction

1.1 Project Description and Location

TRC Environmental Corporation (TRC), was contracted by Solariant Capital, LLC (Solariant) to conduct a threatened and endangered (T&E) habitat assessment for its Pleasant Solar Project (Project) site located southwest of the City of Alachua in Alachua County, Florida. The Project is situated north of Peggy Road, west of NW 173rd Street, and north and south of NW 138th Avenue. The Project consists of three parcels totaling 325.59 acres, which are identified in Table 1 below. Two of the parcels are proposed for the solar facility and substation and lie within the limits of the City of Alachua. The third parcel is near the proposed point of interconnect (POI) to the existing electrical grid and is within unincorporated Alachua County. Solariant is proposing to construct a 74.9 MW utility scale solar facility and tie into Duke Energy Florida's (Duke) existing 69 kV line. The southern two parcels are currently being used for agricultural purposes. The results of this assessment will be used to determine environmental constraints from a listed species perspective and potential permits that may be needed to a develop a solar facility on this site. A site location map (Figure 1), United States (U.S.) topographic map (Figure 2), and aerial map (Figure 3) are included in Appendix A to depict the location of the Project site.

Table 1: Pleasant Solar Project Site Parcels

Proposed Project Facility	Lot #	Parcel Owner	Acres
Solar Facility	3894	Waco Properties Inc.	285.3
Solar Facility	3898	Alspaugh Brown Trustee	35.34
Existing Substation	3897	Clay Electric	4.95
		Total	**325.59**

1.2 Project Purpose

The purpose of this T&E species habitat assessment was to identify the presence of habitats that could potentially support state or federally protected plant or wildlife species within the approximately 325.59-acre site. Documentation of the T&E habitats will be used to determine if the site is suitable and if any species-specific permits are required. Specific tasks performed include a desktop evaluation of existing maps and T&E species data, a field assessment of the site to identify habitats that could potentially support T&E species, and characterization of potentially suitable T&E species habitat. All features documented during the site visit are included in this report.

2.0 Regulatory Authorities

Federal, state, and local laws, regulations, codes, and ordinances provide the context to the T&E assessment being performed as part of this scope of work, in terms of methodologies, extent and type of surveys, and potential permits that may be required to develop a solar facility on the Project site. A description of these applicable regulatory authorities is provided by resource and regulatory entity below.

2.1 Federal

Federally listed threatened and endangered species and their designated critical habitats are protected under the Endangered Species Act (ESA) of 1973, as amended, (16 United States Code [USC] A-1535-1543, P.L. 93-205). The ESA prohibits the take of federally listed species as well as the import or export of these species. Take includes a variety of actions including harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or an attempt to engage in any such conduct. Migratory birds, including their nests and eggs, are protected under the Migratory Bird Treaty Act (MBTA) (16 U.S.C. 703–711), which prohibits the take of these species without a valid permit. The take and possession of bald and golden eagles, including their eggs and nests, is prohibited under the Bald and Golden Eagle Act ((16 U.S.C. 668). The U.S. Fish and Wildlife Service (USFWS) and the National Oceanic and Atmospheric Administration (NOAA) Fisheries Service implements these laws and programs.

Federally listed species have four levels of protection status: endangered, threatened, candidate and proposed. Federally listed endangered and threatened species are protected by the take prohibits of Section 9 under the Endangered Species Act, while candidate and proposed species are not.

2.2 State of Florida

Florida Statutes 379.411 declares that it is unlawful for a person to intentionally kill or wound any species of fish or wildlife listed as endangered, threatened, or of special concern (as determined by the state of Florida) or to intentionally destroy the eggs or nest of any such fish or wildlife unless authorized by rules of the Florida Fish and Wildlife Conservation Commission (FFWCC). State listed wildlife species regulations are defined in 68A-27 FAC and are implemented by the FFWCC. Permits are required by the FFWCC to relocate or for incidental take of state-protected wildlife species.

Florida regulations/permitting requirements are written to eliminate the need for both federal and state permits for take and incidental take of federally designated endangered and threatened wildlife species. Activities that result in take or incidental take of federally designated endangered and threatened species do not require a permit from the FFWCC when authorized by the USFWS or the NOAA Fisheries Service pursuant to 16 U.S.C. Section 1539, or other authorization provided by 16 U.S.C. Section 1536.

Florida Statute 581.85 declares it is unlawful for any person to willfully destroy or harvest any plant listed as endangered, threatened, or commercially exploited growing on the private land of another or on any public land without first obtaining the written permission of the landowner or legal representative of the landowner and a permit from the from the Division of Plant Industry within Florida Department of Agriculture and Consumer Services (FDACs).

3.0 Methodology

3.1 Desktop Review

Prior to conducting the field habitat assessments, TRC collected and reviewed existing data regarding protected species and sensitive habitats within Alachua County, Florida, and the surrounding area (~1-mile radius). The following resources were used in this evaluation:

- USFWS Information, Planning, and Conservation System (IPaC) online planning tool and official special species list (USFWS, 2022)
- Florida Natural Areas Inventory (FNAI) Element Occurrence and Biodiversity Matrix for the Project site and vicinity (FNAI, 2022a)
- FNAI – Current Element Tracking Summary, updated August 2021 (FNAI, 2022b)
- FFWCC water bird locater (FFWCC, 2022a), and
- FFWCC bald eagle nest locator (FFWCC, 2022b).

3.2 Field Assessment

Following the desktop review, qualified TRC biologists conducted a field investigation (pedestrian) on the site from May 25 to May 27, 2022, to evaluate on-site habitats for suitability to support any state or federally listed species potentially occurring in the site vicinity. Data collected from the desktop evaluation was used to develop a field survey plan to focus on habitats with the potential to support protected species. During the site visit, biologists conducted pedestrian transects through areas of potentially suitable threatened and endangered habitats to characterize the quality of the habitat and to search for listed species or evidence thereof (i.e., tracks, nests, burrows, etc.). Notes and locations of individual species and/or their preferred habitats were taken during the assessment. The locations of listed species or evidence thereof were recorded using a GPS with submeter accuracy.

4.0 Land Use and Vegetation Communities

A team of TRC biologists conducted a pedestrian field evaluation of the site from May 25 to May 27, 2022. As part of this evaluation, TRC characterized and mapped the land cover and vegetation communities on the project site using the Florida Land Use Cover and Forms Classification System (FLUCFCS) (FDOT, 1999). The land cover types delineated by TRC on the site are described below and shown on Figure 4 in Attachment A.

Nine land cover types were identified on the site: low density fixed single family units, row crops, hay fields, other open lands (rural), fallow cropland, pine-mesic oak, upland hardwood forests, electrical power substations, and electrical power transmission lines. Descriptions of each community type are provided below.

1110- Low Density Fixed Single Family Units

Approximately 0.40 acres (0.12 percent) of the Site consists of low density fixed single family units.

2140- Row Crops
Approximately 124.02 acres (38.09 percent) of the Site consists of row crops. These areas appear to have been planted with corn which has been recently harvested.

2153- Hay Fields
Approximately 84.51 acres (25.96 percent) of the Site is newly planted hay fields.

2600 – Other Open Lands (Rural)
Approximately 5.28 acres (1.62 percent) of the site consists of other open lands used for agricultural purposes. There is a large barn, pump house, and diesel tank within this area.

2610- Fallow Cropland
Approximately 16.6 acres (5.10 percent) of the Site consists of fallow cropland. This area has been taken over by weeds.

4140- Pine-Mesic Oak
Approximately 0.94 acres (0.29 percent) of the Site is pine-mesic oak forest consisting primarily of Slash pine (*Pinus elliottii*), Laurel oak (*Quercus laurifolia*), water oak (*Quercus nigra*), live oak (*Quercus virginiana*), hickories (*Carya spp.*), dog fennel (*Eupatorium capillifolium*) and greenbriers (*Smilax spp.*).

4200- Upland Hardwood Forests
Approximately 89.83 acres (27.59 percent) of the Site is upland hardwood forests consisting primarily of black cherry (*Prunus serotina*), Darlington's oak (*Quercus hemisphaerica*), laurel oak (*Quercus laurifolia*), water oak (*Quercus nigra*), live oak (*Quercus virginiana*), sweetgum (*Liquidambar styraciflua*), hickories (*Carya spp.*), American beauty berry (*Callicarpa americana*), saw greenbrier (*Smilax bona-nox*), and Virginia creeper (*Parthenocissus quinquefolia*).

8315- Electrical Power Substations
Approximately 3.82 acres (1.17 percent) of the site is an existing electrical power substation. The substation is owned by Clay Electric Cooperative and is located on the northern Project parcel.

8320- Electrical Power Transmission Lines
The Project site contains about 0.19 acres (0.06 percent) of electrical power transmission lines. These are located on the northern Project parcel owned by Clay Electric Cooperative.

Prior to the field evaluation, TRC biologists reviewed USFWS National Wetland Inventory (NWI) data for potential wetlands or surface waters on the project site. The NWI map identified two wetlands within the project site: two Palustrine Emergent Wetlands (PEM). TRC observed two wetlands and one non-jurisdictional drainage within the Project limits. They are depicted on Figure 5 in Appendix A.

5.0 RESULTS

5.1 Critical Habitat

There are no critical habitats (USFWS, 2022) or wading bird rookeries (FFWCC, 2022) known to occur on or in the vicinity of the Project site.

5.2 T&E Species

Based on results of the desktop evaluation, there are 9 state or federally protected (or proposed for federal protection) animal species and 8 state protected plant species with the potential to occur on or near the Project site. These species are identified in Table 1 along with their current protection status, preferred habitat, potential for occurrence on the Project site, and TRC's recommendations for future actions.

TRC's opinion regarding the potential for each of the species to occur on the Project site is based on the habitat type, quality, quantity, and known range and characteristics of each species. The likelihood of occurrence is classified as follows:

- None – no chance the species would occur onsite due to lack of suitable habitat or beyond species range.
- Low – limited potentially suitable habitat present; the habitat may be disturbed, limited in area, low quality or disturbed
- Moderate – suitable habitat present, no individuals previously recorded in site vicinity and no evidence of their existence on the site observed during the field survey.
- High – suitable habitat on site and known occurrences in the area or was observed on or near the site during the field survey.

Table 2. State and Federally Listed Species with Potential to Occur on or Near the Project Site					
Common Name Scientific Name	**Status**		**Preferred Habitat**	**Potential to Occur on Site**	**Recommended Action**
	F	**S**			
Invertebrates					
Squirrel chimney cave shrimp *Palaemonetes cummingi*	T	FT	Obligate cave dwelling species; known only to inhabit the Squirrel Chimney sinkhole and flooded cave system	**Moderate**; there is a deep, water-filled sinkhole in the southwest portion of the site that is located within the limits of the Squirrel Chimney cave system	It is TRC's understanding that Solariant intends to avoid impacts to sinkhole in the southwest portion of the site; therefore, adverse impacts to this species are unlikely to occur
Insects					
Monarch Butterfly *Danaus plexippus*	C	-	Open fields and meadows with milkweed	None; no suitable habitat for this species onsite.	No further consultation/permit needed
Amphibians and Reptiles					
Eastern indigo snake *Drymarchon couperi*	T	FT	Broad range of habitats from scrub and sand hill to wet prairies; in northern part of range, often winters in gopher tortoise burrows in sandy uplands but forages in more hydric habitats; requires very large tracts to survive	Low; while the uplands on the site may provide some low-quality habitat, this species is unlikely to occur on the Project site due to the lack of gopher tortoise burrows and ongoing agricultural activities.	No further consultation/permit anticipated.
Gopher tortoise *Gopherus polyphemus*	C	T	Inhabits a wide variety of upland habitats including, sandhills; dry hammocks; longleaf pine-turkey oak woods; old fields	Low; while the uplands on the site provide some suitable habit, no gopher tortoise burrows were observed on the site during the field visit. Furthermore, the ongoing agricultural activities would discourage use of the Site by tortoises.	Consultation with FFWCC is not required if no construction occurs within 25 feet of a potentially occupied burrow; no further consultation/permit is required. Because suitable habitat is present onsite, there is potential for this species to move onto the site between the time of field survey and the start of

Table 2. State and Federally Listed Species with Potential to Occur on or Near the Project Site					
Common Name **Scientific Name**	**Status**		**Preferred Habitat**	**Potential to Occur on Site**	**Recommended Action**
	F	**S**			
					construction. TRC recommends a pre-construction survey to ensure tortoises have not begun inhabiting the site.
Short-tailed snake *Lampropeltis extenuate*	-	T	Dry upland habitats, principally sand hill, xeric hammock, and sand pine scrub. A secretive burrower only rarely seen above ground or under cover objects	Low; while the uplands on the site provide some suitable habit, the ongoing agricultural activities would discourage use of the Site by this species.	No further consultation/permit anticipated.
Striped newt *Notophthalmus perstriatus*	-	C	Xeric upland communities, principally sand hill but also scrub, occasionally in pine flatwoods. Breeds in isolated, mostly ephemeral wetlands; occasional fire and relatively undisturbed soil and vegetative groundcover are important terrestrial habitat components	Low; while there are some suitable uplands on the site, there are no ephemeral wetlands or vernal pools to support breeding	No further consultation/permit needed.
Birds					
Florida burrowing owl *Athene cunicularia floridana*	-	T	Found in sparsely vegetated, sandy habitats such as dry prairies, sandhills, pastures, old fields, road rights-of-ways, and open fields	Low; while there is some suitable habitat for this species onsite, no nesting burrows were observed during the site visit; furthermore, the ongoing agriculture would likely deter burrowing owls from nesting onsite.	Consultation with FFWCC is not required if no construction occurs within 33 feet of an occupied burrow; no further consultation/permit anticipated. Because suitable habitat is present onsite, there is potential for this species to move onto the site between the time of field survey and the start of construction. TRC recommends a pre-construction survey to ensure owls have not begun inhabiting the site.

Table 2. State and Federally Listed Species with Potential to Occur on or Near the Project Site					
Common Name **Scientific Name**	**Status**		**Preferred Habitat**	**Potential to Occur on Site**	**Recommended Action**
	F	**S**			
Florida sandhill crane *Antigone canadensis pratensis*	-	T	Prairies, freshwater marshes, and pasture lands. Avoids forests and deep marshes but uses transition zones and edges between these and prairies or pasture lands. Will frequent agricultural areas like feed lots and crop fields; Nest is a mound of herbaceous plant material in shallow water or on the ground in marshy areas.	Low; the site does not provide suitable nesting habitat; there is potential for this species to utilize the site for foraging.	Consultation with FFWCC is not required if no active nests within 1500 feet of site; no further consultation/permit needed.
Wood stork *Mycteria americana*	T	FT	Nests colonially in a variety of inundated forested wetlands, including cypress strands and domes, mixed hardwood swamps, sloughs, and mangroves. Forages mainly in shallow water in freshwater marshes, swamps, lagoons, ponds, tidal creeks, flooded pastures, and ditches	None; the site does not provide suitable nesting habitat or suitable foraging habitat onsite.	No further consultation/permit needed.
Flowering Plants					
Incised Groove-bur *Agrimonia incisa*	-	T	Found in sandy, dry-mesic, usually upland in the lower Coastal Plain; longleaf pine-deciduous scrub oak, sandy or sandy loam. Open pine woods or mixed pine-oak woods, bluffs, small clearings, and old roads, sometimes at the edge of more mesic habitats.	Low; potentially suitable habitat present within the pine-oak forested area	Consultation/permit not required to affect state listed species on one own's property. No further surveys needed.
Many-flowered grass pink *Calopogon multiflorus*	-	T	Dry to moist flatwoods with longleaf pine, wiregrass, saw palmetto	None; no suitable habitat for this species onsite.	No further surveys/consultation/permit needed.

Table 2. State and Federally Listed Species with Potential to Occur on or Near the Project Site					
Common Name **Scientific Name**	**Status**		**Preferred Habitat**	**Potential to Occur on Site**	**Recommended Action**
	F	**S**			
Godfrey's swamp privet *Forestiera godfreyi*	-	E	Upland hardwood forests with limestone at or near the surface, often on slopes above lakes and rivers	**Moderate**; there is suitable habitat for this species onsite within the upland hardwoods.	Consultation/permit not required to affect state listed species on one own's property. No further surveys needed.
Hartwrightia *Hartwrightia floridana*	-	T	Seepage slopes, edges of baygalls and springheads, wet prairies, and flatwoods with wet, peaty soils. Often with hooded pitcher plants or, in central FL, cutthroat grass.	None; no suitable habitat for this species onsite.	No further surveys/consultation/permit needed.
Florida spiny-pod *Matelea floridana*	-	E	Upland hardwood forests, with laurel oak, red oak, pignut or mockernut hickory, spruce, pine, and southern magnolia. A variety of wooded habitats from moist woods, such as those in lime sink areas, to dry, open oak-hickory or oak-hickory-pine upland forests	**Moderate**; there is suitable habitat for this species onsite within the upland hardwoods.	Consultation/permit not required to affect state listed species on one own's property. No further surveys needed.
Florida mountain-mint *Pycnanthemum floridanum*	-	T	Sandhills, pinewoods, hammocks	Low; there is some suitable habitat on the site	Consultation/permit not required to affect state listed species on one own's property. No further surveys needed.
Florida willow *Salix floridana*	-	E	Springheads, edges of spring runs, hydric hammocks, floodplains	None; no suitable habitat for this species onsite.	No further surveys/consultation/permit needed.
Silver buckthorn *Sideroxylon alachuense*	-	E	Margins of ponds	None; no suitable habitat for this species onsite.	No further surveys/consultation/permit needed.
Notes: Federal Status (F): E = Endangered, T = Threatened, C = Candidate, PT = Proposed Threatened, State Status (S): FE = Federally Endangered, FT = Federally Threatened, SE= State Endangered, ST = State Threatened, SCC = Species of Special Concern					
Sources: FNAI, 2022a; FNAI, 2022b; USFWS, 2022; TRC, 2022.					

The USFWS Species List (Appendix B) identified three federally protected species and two candidate wildlife species that could potentially occur on or near the Project site. These include the Squirrel Chimney cave shrimp, wood stork, Eastern indigo snake, gopher tortoise (candidate species), and monarch butterfly (candidate species). (USFWS, 2022)

The FNAI Biodiversity Matrix Report (Appendix C) identified four additional state-protected wildlife species and eight state-protected plant species as having the potential to occur on or near the Project site (FNAI, 2022).

No known records for state or federally listed species were identified on the Project site in the site-specific FNAI Element Occurrence Report (FNAI, 2022a). The FNAI biodiversity matrix identifies two protected species likely to occur on or near the Project site: the wood stork and Eastern indigo snake.

According to USFWS (2022), there are no federally listed plant species with the potential to occur on the site. Therefore, no additional surveys or agency consultation with respect to federally listed plant species are necessary.

According to FNAI (2022a), there are eight state-listed plant species with the potential to occur on the site. There are no known records of any of these species in the site vicinity. There is potentially suitable habitat for four of the plant species. There is no requirement to consult with or obtain a permit from the State to remove any plant species if it is done on one's own property. TRC does not recommend additional surveys or agency consultation with respect to state-listed plant species.

Nine wildlife species were identified by USFWS (USFWS, 2022) or FNAI (FNAI, 2022a) as having potential to occur on or near the Project site. The site lacks suitable habitat for two of these species: the monarch butterfly and wood stork. Since these species would not occur on the site, the Project has no potential to adversely affect them and future surveys, agency consultation, or permits for these species will not be needed.

The **gopher tortoise** is threatened in Florida and is a candidate for listing at the federal level. The tortoise occupies high, dry sandy habitats such as longleaf pine-xeric oak sandhills, scrub, dry hammocks, dry flatwoods, dry prairies, and a variety of disturbed habitats, such as pastures. While much of the site is actively managed agriculture, some suitable habitat is present for this species. TRC biologists, who are also FFWCC authorized gopher tortoise agents, conducted a survey for gopher tortoise burrows during the site visit in May 2022. No burrows or other evidence of the gopher tortoise was observed on the project site or immediately adjacent to the site. Protection measures for this species pertain to avoiding land disturbing activities within 25 feet of any potentially occupied gopher tortoise burrow. Because no burrows were observed on or adjacent to the project site, agency consultation or future surveys are not required for this species. However, given the presence of suitable habitat, there is potential for this species to move onto the site between the time of field survey and the start of construction. TRC recommends a pre-construction survey using the recommended survey methodology for this species to ensure tortoises have not

begun inhabiting the site. TRC also recommends silt fencing around the project site to prevent tortoises from moving onsite during clearing and construction.

The **Eastern indigo snake** is a federally threatened species that requires large tracts of lands with a mosaic of habitat types to survive. They occupy a variety of habitat types with a preference for uplands, but also utilize some wetlands and agricultural areas. Eastern indigo snakes will often seek shelter inside gopher tortoise burrows. While most of the site is actively managed agriculture, there is some potential habitat. TRC did not observe this species, or any gopher tortoise burrows during the May 2022 field survey. Because the site and surrounding area provides little benefit to the snake and due to the lack of gopher tortoise burrows, there is little reason to believe the eastern indigo snake would occur on the site. As such, agency consultation or future surveys are not anticipated for this species.

The **short-tailed snake** is a state threatened reptile species that is endemic to Florida. It is fossorial, meaning it is adapted to digging and living underground. It can be found burrowed in sandy soils in long-leaf pine and xeric oak sandhills, scrub, and xeric hammocks. The site provides little suitable habitat for this species, and it was not observed during the May 2022 field visit. Specific conservation guidelines have not been developed for this species. Impacts to this species should be avoided if it is observed during construction activities. As such, agency consultation or future surveys are not anticipated for this species.

The **striped newt** was recently designated as a Candidate Species for listing in the state of Florida. The listing process for the species is expected to be completed in 2022. They inhabit fire-maintained xeric upland communities, principally sand hill but also scrub, and pine flatwoods. They breed in isolated, fish free ephemeral wetlands. Undisturbed soil and vegetative groundcover are essential for this species' survival. The Site is not fire maintained and no suitable breeding habitat was present on the Site. Furthermore, the striped newt is only a candidate species and is not afforded any protection at this time. Therefore, agency consultation or future surveys will not be required for this species.

The **Florida sandhill crane** is a state threatened bird species. They forage in a variety of open habitats with low groundcover vegetation including shallow marshes, improved pastures, prairies, open pine forests, croplands, and open fields. Nesting and roosting are limited to shallow freshwater marshes. Protection measures for this species pertain to avoiding impacts to active nests (no impacts within 1500 feet of an active nest). The project site has ample habitat for this species to forage, but there is no suitable nesting habitat. As such, agency consultation or future surveys will not be required for this species.

The **Florida burrowing owl** is a state threatened bird species. It inhabits open areas with short groundcover such as dry prairies, pastures, agricultural fields, golf courses, airports, and vacant lots. This small long-legged owl lives in pairs or loose colonies and uses burrows for breeding and sheltering. The agricultural fields onsite provide some suitable habitat for this species, but the long-term and frequent disturbances would likely deter the owl from using these fields. No owls or their burrows were observed during the April 2021 or May 2022 site visit, conducted by TRC and no owls or nests have been documented on or adjacent to the Site. Activities occurring within 33 feet

of a potentially occupied burrow during breeding season (February 15 to July 10) or any disturbance within 10 feet of a potentially occupied burrow any time of year are prohibited without a permit from the FFWCC. Given the presence of suitable habitat, there is potential for this species to move onto the site between the time of field survey and the start of construction. TRC recommends a pre-construction survey using the recommended survey methodology for this species to ensure owls have not begun inhabiting the site. Incidental take permits for this species may be issued by the FFWCC on a case-by-case basis and may require mitigation. The FFWCC review will include assessment of whether the proposed construction activities could significantly modify habitat (e.g., more than 50% of total habitat loss within 1,970-foot radius circle around potentially occupied nest).

The **Squirrel Chimney cave shrimp** is a federally threatened crustacean species. This species only inhabits the Squirrel Chimney sinkhole and associated flooded cave system. It has not been recorded since 1973, which raises fears that it may be extinct. There is a deep, water-filled sinkhole in the southwest portion of the site that is located within the limits of the Squirrel Chimney cave system. Alachua County requires a 75-foot average (50 foot minimum) buffer around sinkholes. Given that the sinkhole and surrounding buffer are likely to be preserved, impacts to this species are not anticipated. In addition, it was determined that no Federal recovery plan for this species was warranted because it is known only from a single, privately-owned location, and a recovery plan would not further its conservation. Therefore, future surveys and agency consultation are not anticipated.

The **wood stork** is a federally threatened bird species. They nest in inundated forested wetlands, such as, cypress stands and mixed hardwoods swamps and sloughs. There is no suitable nesting habitat on or adjacent to the Site. According to the USFWS, suitable foraging habitat for the wood stork includes wetlands with shallow open water areas that are relatively calm and have a permanent or seasonal water depth of 2 to 15 inches. While the Site has a PEM wetland on the Site, it did not provide the depth of water required for foraging. Therefore, no future surveys or agency consultation are needed for this species.

5.3 Migratory Birds

According to the USFWS (2022), ten species of migratory birds, protected by the MBTA or GEPA are of particular concern for the Project area. These species, their preferred nesting habitat, and breeding seasons are summarized in Table 3. There is potentially suitable breeding habitat for several of these birds onsite. To avoid impacts to these species or other migratory birds, the USFWS recommends limiting construction activities to a time of year when birds are not nesting. If this is not feasible, the USFWS recommends conducting pre-construction surveys to identify nests and providing protective buffers when present, educating workers about relevant rules and procedures, and using trained biological monitors during construction activities.

Table 3. Protected Migratory Birds that may Breed in Project Vicinity			
Species	**Preferred Nesting/Breeding Habitat**	**Breeding Time of Year**	**Potential for Project Impact/ Recommendations**
American kestrel *Falco sparverius paulus*	Tall dead trees or utility poles generally with an unobstructed view of surroundings. Sandhill habitats seem to be preferred but may also occur in flatwoods settings.	4/1 to 8/31	Potential for nesting onsite; conduct pre-construction surveys if construction proposed during nesting season;
Bald eagle *Haliaeetus leucocephalus*	Large trees in forested areas adjacent to large bodies of water	9/1 to 7/31	Not likely to nest onsite; no known nests within 5 miles of the Site and none observed during the Site visit.
Red-headed woodpecker *Melanerpes erythrocephalus*	Deciduous forests with oak or beech, groves of dead or dying trees, river bottoms, clearings, farmland, grasslands with scattered trees, forest edges, and roadsides	5/10 to 9/10	Limited potential for nesting onsite in forested areas; conduct pre-construction survey and protect any active nests during construction or avoid construction during nesting season
Swallow-tailed kite *Elanoides forcatus*	Wooded river swamps; requires tall trees for nesting and nearby open country with abundant prey	3/10 to 6/30	No nesting habitat onsite; no further action needed
Black Skimmer *Rynchops niger*	lay eggs directly on sandy, shelly, or stony ground, usually on islands or remote beaches that have at least a little vegetation. Some nest in the higher parts of saltmarshes.	5/20 to 9/15	No nesting habitat onsite; no further action needed
Great Blue Heron *Ardea herodias occidentalis*	Nests in trees or shrubs near water, sometimes on ground in areas free of predators.	1/1 to 12/31	No nesting habitat onsite; no further action needed
Henslow's Sparrow *Ammodramus henslowii*	breeds throughout the northeastern U.S., Midwestern U.S., and into southern Ontario	Breeds elsewhere	Does not breed in Florida; no further action needed
Lesser Yellowlegs *Tringa flavipes*	breeds in the meadows and open woodlands of boreal Canada	Breeds elsewhere	Does not breed in Florida; no further action needed
Magnificent Frigatebird *Fregata magnificens*	nest and roost in mangrove cays on coral reefs and in low trees and shrubs on islands	10/1 to 4/30	No nesting habitat onsite; no further action needed
Prairie Warbler *Dendroica discolor*	nests mainly in young second growth scrub and densely overgrown fields	5/1 to 7/31	Potential for nesting onsite; conduct pre-construction surveys if construction proposed during nesting season;
Source: USFWS, 2022			

5.3.1 *Bald Eagles*

No known bald eagle nests are documented within 1 mile of the Project site (FFWCC, 2022b) and none were observed onsite during the May 2022 field visit. The closest documented bald eagle nest is over five miles southeast of the Project site.

6.0 Recommendations

There are 9 state or federally protected (or proposed for federal protection) wildlife species and 8 state protected plant species with the potential to occur on or near the Project site. Of these 17 species, the Project site only provides suitable habitat for 7 listed wildlife species (Squirrel Chimney cave shrimp, gopher tortoise, Eastern indigo snake, short-tailed snake, striped newt, Florida burrowing owl, and Florida sandhill crane) and four listed plant species (incised groove-bur, Godfrey's swamp privet, Florida spiny pod, and Florida mountain mint).

There is suitable habitat for four of the state listed plant species; however, none of these species were observed during the May 2022 site visit. In addition, Florida does not require consultation or permits to impact state listed plants on one's own property. Therefore, TRC does not recommend any further surveys or consultation.

The Squirrel Chimney cave shrimp occurs only in one sinkhole and there is no federal recovery plan for this species. It has not been recorded since 1973 which raises fears that it may be extinct. It is TRC's understanding that sinkholes will be avoided during construction. Therefore, adverse impacts to this species are unlikely and consultation with USFWS for this species is not anticipated.

The various upland areas within the Project site provide some suitable habitat for the rest of the wildlife species. Presently, it is TRC's opinion that this Project is not likely to adversely impact any of these species.

Given the presence of suitable habitat, there is potential for the gopher tortoise and/or the Florida burrowing owl to move onto the site between the time of field survey and the start of construction. TRC recommends a pre-construction survey using the recommended survey methodologies for these species to ensure they have not begun inhabiting the site. TRC also recommends Solariant install a silt fence around the project site to prevent gopher tortoises and deter burrowing owls from moving onto the site during clearing and construction.

7.0 References

FDOT, 1999. Florida Department of Transportation: "Florida Land Use Cover and Forms Classification System", Handbook, January 1999. Land Use Classifications (1999)

FFWCC, 2022a. Florida Fish and Wildlife Conservation Commission Waterbird Locator website, 2021. Download date: 2022-06-10. http://atoll.floridamarine.org/waterBirds/

FFWCC, 2022b. FFWCC Eagle Nest Locator website, 2022. Download date: 2022-06-10 https://public.myfwc.com/FWRI/EagleNests/nestlocator.aspx#search

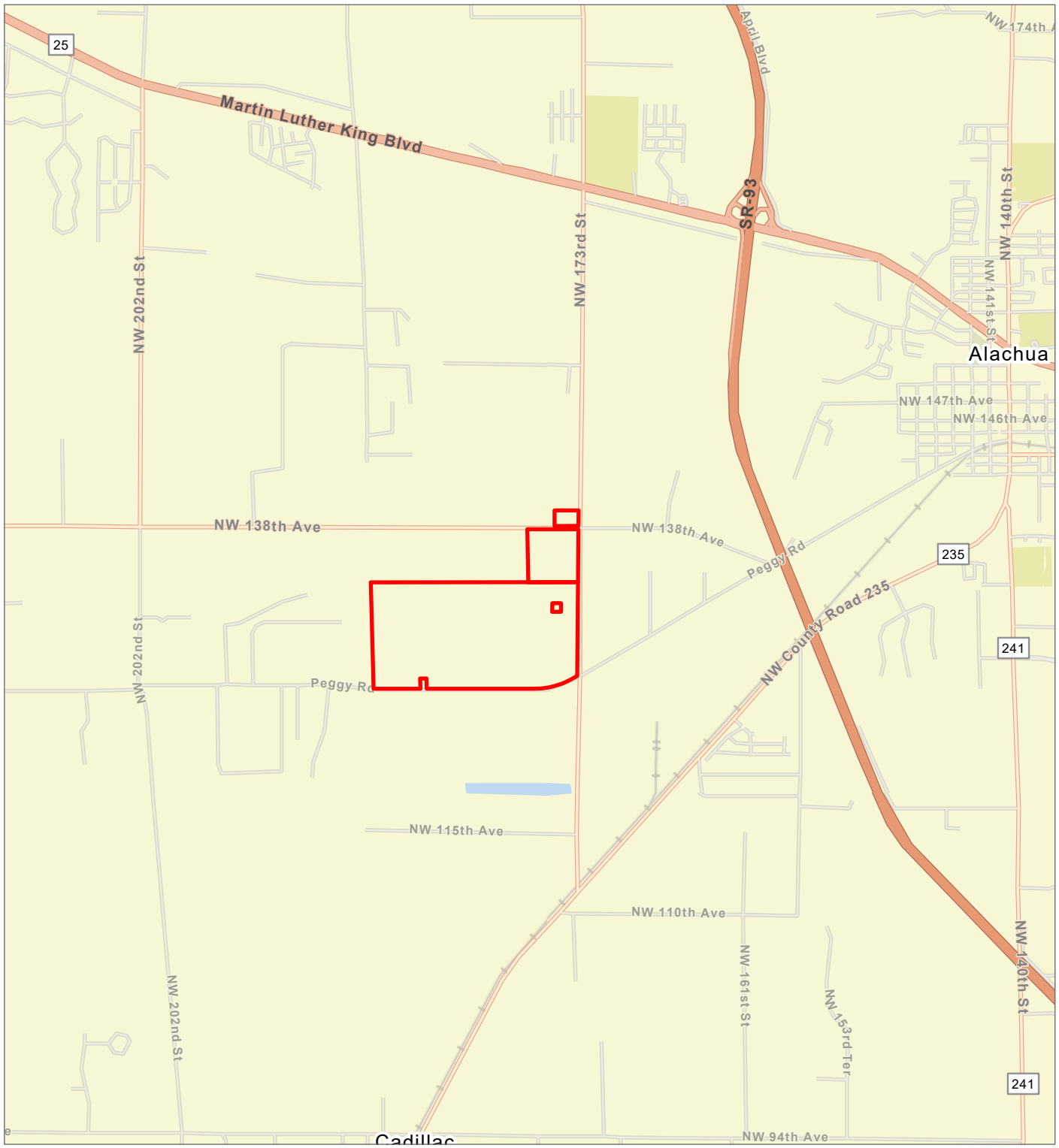
FNAI, 2022a. Florida Natural Areas Inventory, Element Occurrence and Biodiversity Matrix Reports. (Attachment C)

FNAI, 2022b. Florida Natural Areas Inventory Element Tracking Summary. Download date: 202-06-16 https://www.fnai.org/PDF/Element_tracking_summary_current.pdf

USDA, NRCS, 2022. USDA, NRCS SSURGO Database for Alachua County 2022. Publication date: 2021-08-27. Download date: 2022-06-01. https://websoilsurvey.sc.egov.usda.gov/

USFWS, 2022. United States Fish and Wildlife Service, Information for Planning and Consultation Official Species List (Attachment B).

Attachment A
Figures



PROPERTY BOUNDARY

BASE MAP: ESRI WORLD STREET MAP
DATA SOURCES: TRC

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FEET

1:48,000 1" = 4,000'



PROJECT: SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE: SITE LOCATION MAP

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING		
APPROVED BY:	J. MANIKOWSKI		
DATE:	JUNE 2022		

FIGURE 1

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: PLEASANT_SOLAR_2022

COORDINATE SYSTEM: WGS 1984 WEB MERCATOR AUXILIARY SPHERE; MAP ROTATION: 0
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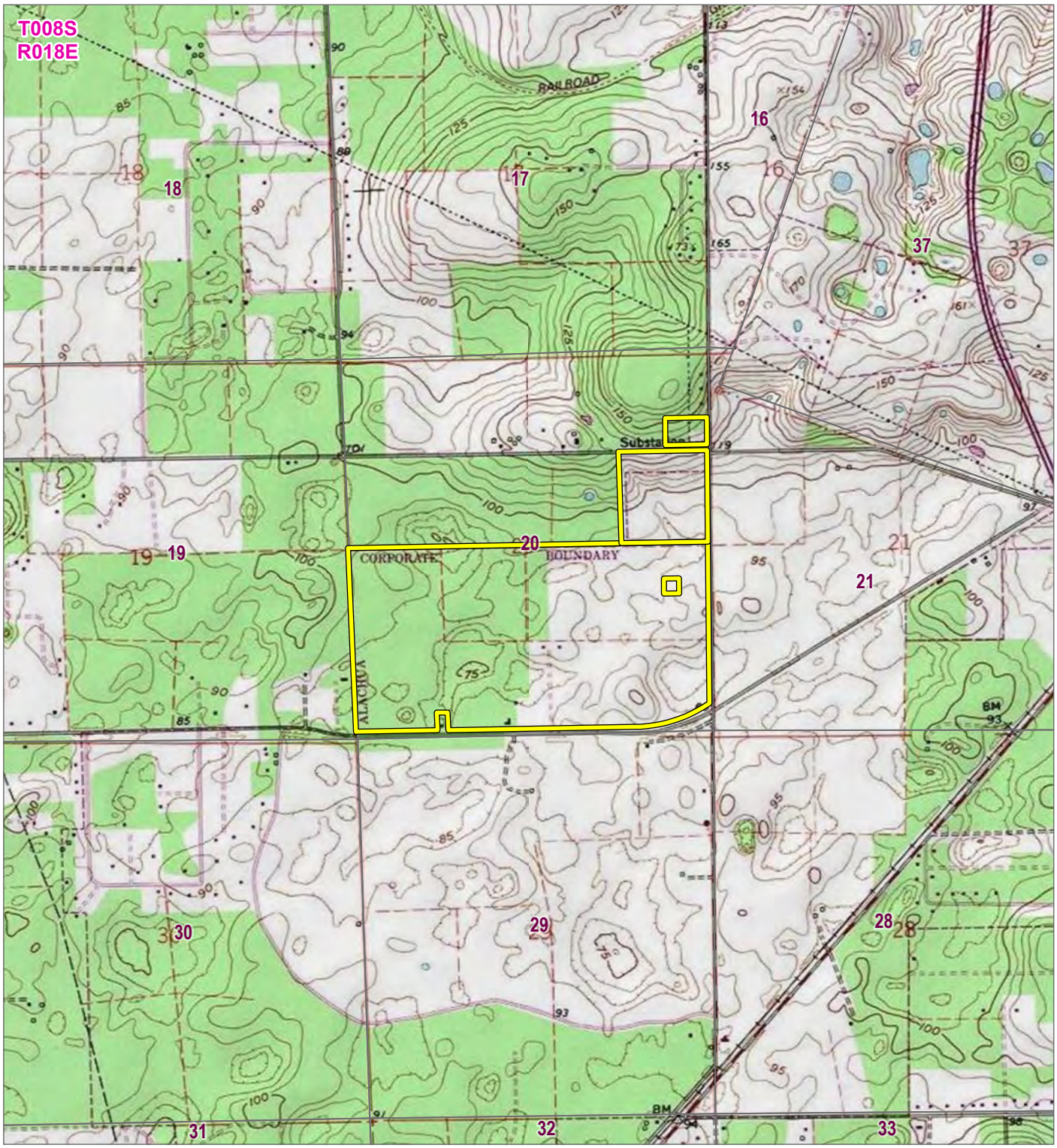

PLEASANT SOLAR PARCELS

BASE MAP: USGS TOPO
DATA SOURCES: TRC

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FEET
1:24,000 1" = 2,000'

AL GA FL

PROJECT: SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

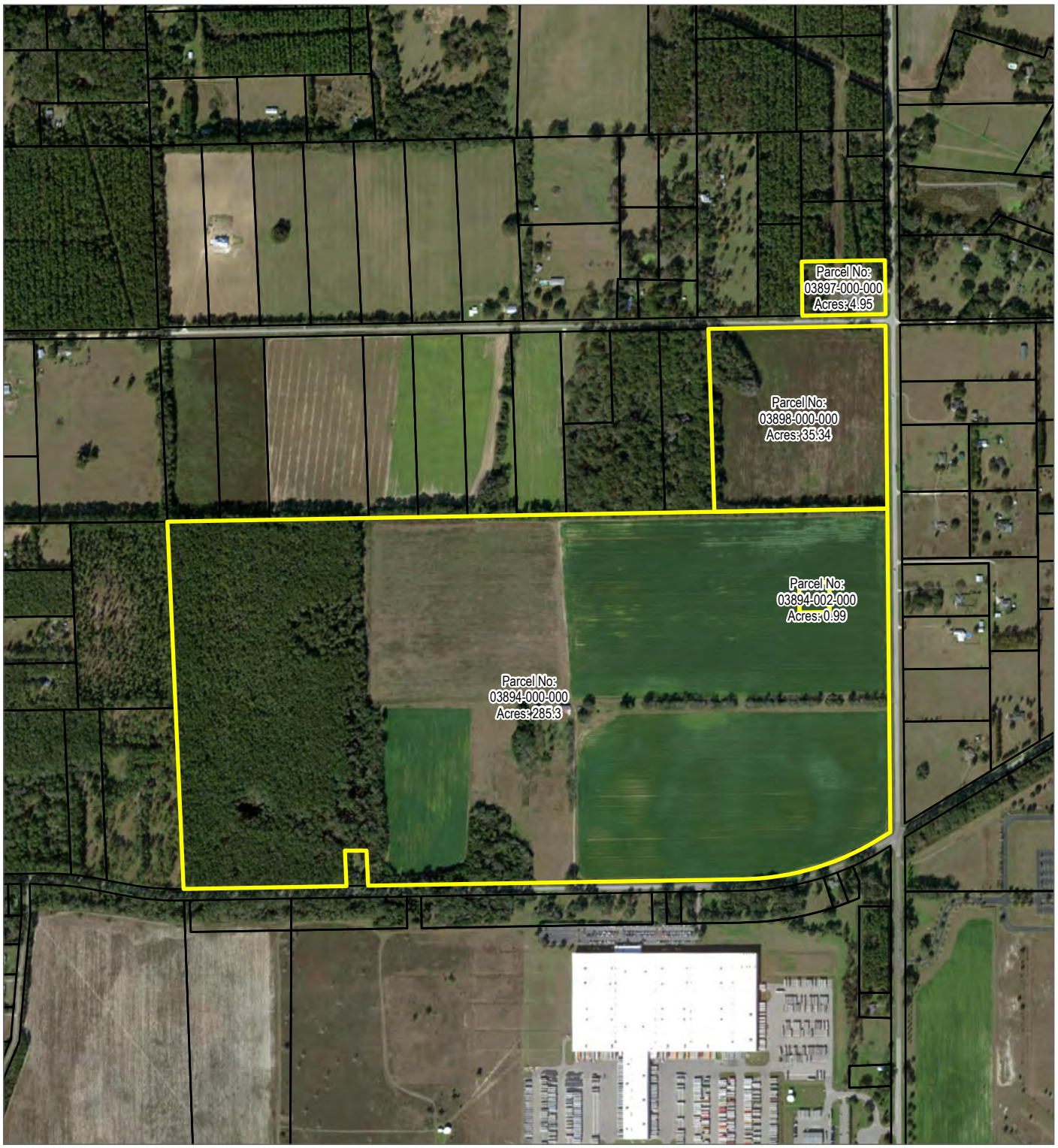
TITLE: U.S. TOPOGRAPHIC MAP

DRAWN BY:	R. SPRING	PROJ. NO.:	495474
CHECKED BY:	D. SWEENEY		
APPROVED BY:	J. MANIKOWSKI		FIGURE 2
DATE:	APRIL 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: Pleasant_Solar.aprx

COORDINATE SYSTEM: NAD 1983 STATEPLANE FLORIDA NORTH FIPS 0903 FEET: MAP ROTATION: 0
-- SAVED BY: RSPRING ON 4/19/2021 11:13:35 AM: FILE PATH: \\EMPLOYEES\GIS\ARCGIS\PRO\1-PROJECTS\SOLARIANT\437577_PLEASANT_SOLAR\2-APRX\PLEASANT_SOLAR.APRX: LAYOUT NAME: FIG 1 PLEASANT SOLAR PROJECT OVERVIEW



PROPERTY BOUNDARY

ALACHUA COUNTY PARCEL BOUNDARY

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FEET

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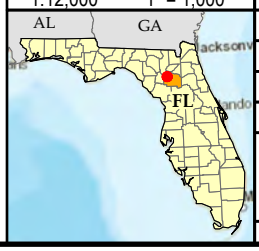

BASE MAP: ESRI AERIAL IMAGERY
DATA SOURCES: TRC, ALACHUA COUNTY GIS

PROJECT: **SOLARIANT CAPITAL, LLC**
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE: **AERIAL MAP**

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING		
APPROVED BY:	J. MANIKOWSKI		**FIGURE 3**
DATE:	JUNE 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: PLEASANT_SOLAR_2022

COORDINATE SYSTEM: NAD 1983 2011 STATEPLANE FLORIDA NORTH FIPS 0903 FT US; MAP ROTATION: 0
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PROPERTY BOUNDARY

LANDUSE DESCRIPTION AND ACREAGE:

- 1110: LOW DENSITY, FIXED SINGLE FAMILY UNITS (0.40)
- 2140: ROW CROPS (124.02)
- 2153: HAY FIELDS (84.51)
- 2600: OTHER OPEN LANDS (RURAL) (5.28)
- 2610: FALLOW CROPLAND (16.6)
- 4140: PINE - MESIC OAK (0.94)
- 4200: UPLAND HARDWOOD FORESTS (89.83)
- 8315: ELECTRIC POWER SUB STATIONS (3.82)
- 8320: ELECTRICAL POWER TRANSMISSION LINES (0.19)

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER.
DATA SOURCES: TRC, FDEP



N

1:6,000
1" = 500'

0 500 1,000 FEET

PROJECT: **SOLARIANT CAPITAL, LLC**
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE: **VEGETATION AND LAND USE**

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING	**FIGURE 4**	
APPROVED BY:	J. MANIKOWSKI		
DATE:	JUNE 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: Pleasant_Solar_2022.aprx

Coordinate System: NAD 1983 StatePlane Florida North FIPS 0903 Feet; Map Rotation: 0
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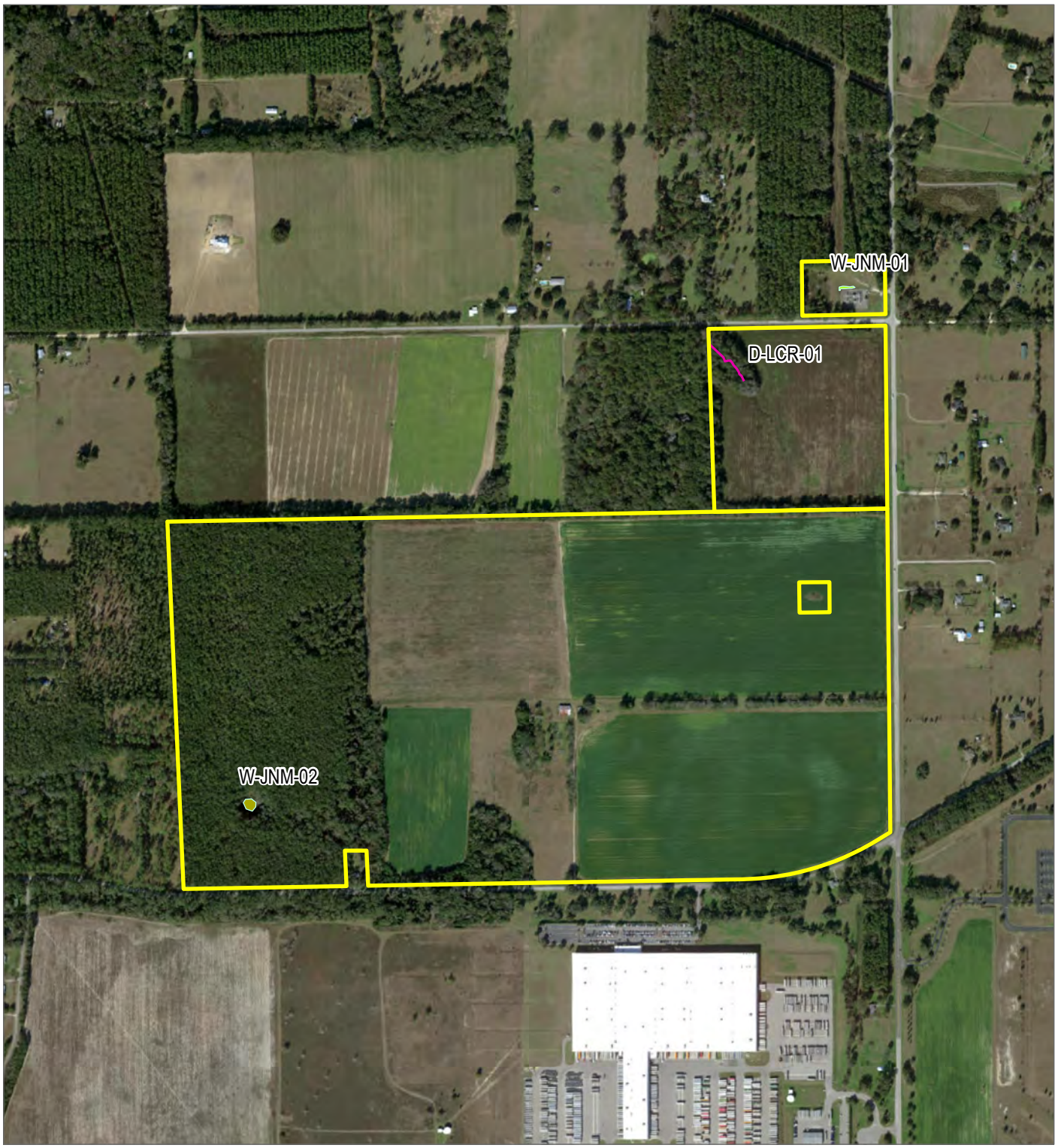


PROPERTY BOUNDARY

WETLAND

PEM (0.038 ACRES)

PSS (0.12 ACRES)

NON-JD DRAINAGE LINE

BASE MAP: ESRI AERIAL IMAGERY
DATA SOURCES: TRC, ALACHUA COUNTY GIS

N

0 500 1,000

FEET

1:12,000 1" = 1,000'



PROJECT:

SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE:

WETLAND AND WATERBODY DELINEATION

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING		
APPROVED BY:	J. MANIKOWSKI		**FIGURE 5**
DATE:	JUNE 2022		

TRC

4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: PLEASANT_SOLAR_2022

COORDINATE SYSTEM: NAD 1983 2011 STATEPLANE FLORIDA NORTH FIPS 0903 FT US; MAP ROTATION: 0
-- SAVED BY: JWELCH ON 6/15/2022, 14:35:33 PM; FILE PATH: T:\1-PROJECTS\SOLARIANT\495474_PLEASANT_SOLAR\2-APRX\PLEASANT_SOLAR_2022 APRX; LAYOUT NAME: FIG 7 WETLAND AND WATERBODY

Attachment B
USFWS IPaC Resource List

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Alachua County, Florida



NOT FOR CONSULTATION

Local office

Florida Ecological Services Field Office

TBD

TBD

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

NOT FOR CONSULTATION

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Wood Stork *Mycteria americana* No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8477	Threatened

Reptiles

NAME	STATUS
Eastern Indigo Snake *Drymarchon couperi* Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/646	Threatened
Gopher Tortoise *Gopherus polyphemus* No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6994	Candidate

Insects

NAME	STATUS

NOT FOR CONSULTATION

Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Crustaceans

NAME	STATUS
Squirrel Chimney Cave Shrimp Palaemonetes cummingi Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1551	Threatened

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

NOT FOR CONSULTATION

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

NOT FOR CONSULTATION

American Kestrel Falco sparverius paulus — Breeds Apr 1 to Aug 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/9587

Bald Eagle Haliaeetus leucocephalus — Breeds Sep 1 to Jul 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

Black Skimmer Rynchops niger — Breeds May 20 to Sep 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/5234

Great Blue Heron Ardea herodias occidentalis — Breeds Jan 1 to Dec 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Henslow's Sparrow Ammodramus henslowii — Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3941

Lesser Yellowlegs Tringa flavipes — Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9679

Magnificent Frigatebird Fregata magnificens — Breeds Oct 1 to Apr 30

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

NOT FOR CONSULTATION

Prairie Warbler Dendroica discolor — Breeds May 1 to Jul 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Red-headed Woodpecker Melanerpes erythrocephalus — Breeds May 10 to Sep 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Swallow-tailed Kite Elanoides forficatus — Breeds Mar 10 to Jun 30
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/8938

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

NOT FOR CONSULTATION

2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

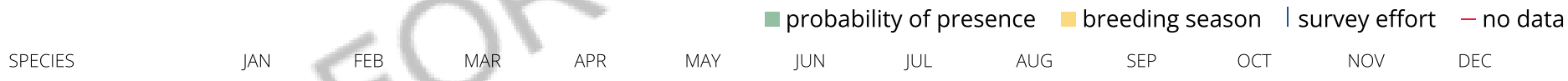
Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

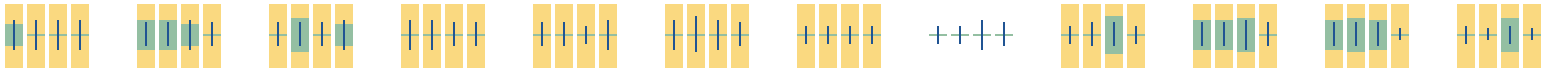


NOT FOR CONSULTATION

American Kestrel BCC - BCR (This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA)



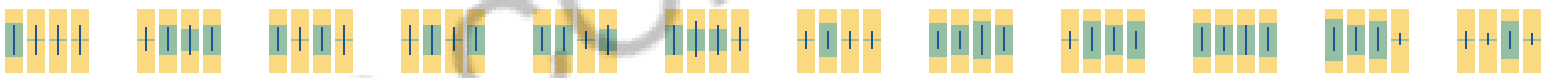
Bald Eagle Non-BCC Vulnerable (This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.)



Black Skimmer BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Great Blue Heron BCC - BCR (This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA)



NOT FOR CONSULTATION

Henslow's Sparrow BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Lesser Yellowlegs BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



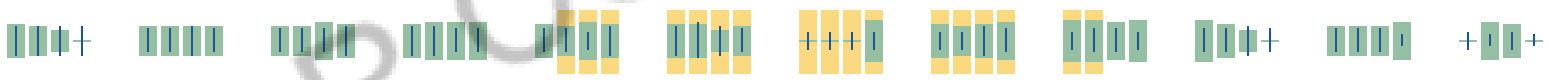
Magnificent Frigatebird BCC - BCR (This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA)



Prairie Warbler BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Red-headed Woodpecker BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



NOT FOR CONSULTATION

Swallow-tailed Kite BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the AKN Phenology Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

NOT FOR CONSULTATION

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

NOT FOR CONSULTATION

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Coastal Barrier Resources System

Projects within the John H. Chafee Coastal Barrier Resources System (CBRS) may be subject to the restrictions on federal expenditures and financial assistance and the consultation requirements of the Coastal Barrier Resources Act (CBRA) (16 U.S.C. 3501 et seq.). For more information, please contact the local Ecological Services Field Office or visit the CBRA Consultations website. The CBRA website provides tools such as a flow chart to help determine whether consultation is required and a template to facilitate the consultation process.

THERE ARE NO KNOWN COASTAL BARRIERS AT THIS LOCATION.

Data limitations

The CBRS boundaries used in IPaC are representations of the controlling boundaries, which are depicted on the official CBRS maps. The boundaries depicted in this layer are not to be considered authoritative for in/out determinations close to a CBRS boundary (i.e., within the "CBRS Buffer Zone" that appears as a hatched area on either side of the boundary). For projects that are very close to a CBRS boundary but do not clearly intersect a unit, you may contact the Service for an official determination by following the instructions here: https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation

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Data exclusions

CBRS units extend seaward out to either the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward extent of the units is not shown in the CBRS data, therefore projects in the offshore areas of units (e.g., dredging, breakwaters, offshore wind energy or oil and gas projects) may be subject to CBRA even if they do not intersect the CBRS data. For additional information, please contact CBRA@fws.gov.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

NOT FOR CONSULTATION

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

Palustrine

A full description for each wetland code can be found at the National Wetlands Inventory website

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons

NOT FOR CONSULTATION

intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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Attachment C
FNAI Biodiversity Matrix

1018 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
850-224-8207
850-681-9364 fax
www.fnai.org

Florida Natural Areas Inventory

Biodiversity Matrix Query Results

UNOFFICIAL REPORT

Created 6/17/2022

(Contact the FNAI Data Services Coordinator at 850.224.8207 or kbrinegar@fnai.fsu.edu for information on an official Standard Data Report)

NOTE: The Biodiversity Matrix includes only rare species and natural communities tracked by FNAI.

Report for 4 Matrix Units: 24075 , 24076 , 24328 , 24329



Descriptions

DOCUMENTED - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit.

DOCUMENTED-HISTORIC - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit; however the occurrence has not been observed/reported within the last twenty years.

LIKELY - The species or community is *known* to occur in this vicinity, and is considered likely within this Matrix Unit because:

1. documented occurrence overlaps this and adjacent Matrix Units, but the documentation isn't precise enough to indicate which of those Units the species or community is actually located in; *or*
2. there is a documented occurrence in the vicinity and there is suitable habitat for that species or community within this Matrix Unit.

POTENTIAL - This Matrix Unit lies within the known or predicted range of the species or community based on expert knowledge and environmental variables such as climate, soils, topography, and landcover.

Matrix Unit ID: 24075

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

2 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Drymarchon couperi Eastern Indigo Snake	G3	S2?	T	FT
Upland hardwood forest	G5	S3	N	N

Matrix Unit ID: 24076

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

3 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Drymarchon couperi Eastern Indigo Snake	G3	S2?	T	FT
Mycteria americana Wood Stork	G4	S2	T	FT
Upland hardwood forest	G5	S3	N	N

Matrix Unit ID: 24328

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

2 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Drymarchon couperi Eastern Indigo Snake	G3	S2?	T	FT
Upland hardwood forest	G5	S3	N	N

Matrix Unit ID: 24329

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

3 **Likely** Elements Found

Scientific and Common Names	Global	State	Federal	State

	Rank	Rank	Status	Listing
Drymarchon couperi Eastern Indigo Snake	G3	S2?	T	FT
Mycteria americana Wood Stork	G4	S2	T	FT
Upland hardwood forest	G5	S3	N	N

Matrix Unit IDs: 24075 , 24076 , 24328 , 24329

25 **Potential** Elements Common to Any of the 4 Matrix Units

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Agrimonia incisa incised groove-bur	G3	S2	N	T
Antigone canadensis pratensis Florida Sandhill Crane	G5T2	S2	N	ST
Asplenium x curtissii Curtiss' spleenwort	GNA	S1	N	N
Asplenium x heteroresiliens Morzenti's spleenwort	G2	S1	N	N
Asplenium x plenum ruffled spleenwort	G1Q	S1	N	N
Athene cunicularia floridana Florida Burrowing Owl	G4T3	S3	N	ST
Calopogon multiflorus many-flowered grass-pink	G2G3	S2S3	N	T
Forestiera godfreyi Godfrey's swampprivet	G2	S2	N	E
Gopherus polyphemus Gopher Tortoise	G3	S3	C	ST
Hartwrightia floridana hartwrightia	G2	S2	N	T
Hydroptila wakulla Wakulla Springs Vari-colored Microcaddisfly	G2	S2	N	N
Lampropeltis extenuata Short-tailed Snake	G3	S3	N	ST
Lithobates capito Gopher Frog	G2G3	S3	N	N
Matelea floridana Florida spiny-pod	G2	S2	N	E
Melanoplus querneus Larger Sandhill Grasshopper	G2G3	S2S3	N	N
Myotis austroriparius Southeastern Myotis	G4	S3	N	N
Neofiber alleni Round-tailed Muskrat	G2	S2	N	N
Notophthalmus perstriatus Striped Newt	G2G3	S2	N	C

Peucaea aestivalis Bachman's Sparrow	G3	S3	N	N
Podomys floridanus Florida Mouse	G3	S3	N	N
Pycnanthemum floridanum Florida mountain-mint	G3	S3	N	T
Salix floridana Florida willow	G2G3	S2S3	N	E
Sciurus niger niger Southeastern Fox Squirrel	G5T5	S3	N	N
Sideroxylon alachuense silver buckthorn	G1	S1	N	E
Ursus americanus floridanus Florida Black Bear	G5T4	S4	N	N

Disclaimer

The data maintained by the Florida Natural Areas Inventory represent the single most comprehensive source of information available on the locations of rare species and other significant ecological resources statewide. However, the data are not always based on comprehensive or site-specific field surveys. Therefore, this information should not be regarded as a final statement on the biological resources of the site being considered, nor should it be substituted for on-site surveys. FNAI shall not be held liable for the accuracy and completeness of these data, or opinions or conclusions drawn from these data. FNAI is not inviting reliance on these data. Inventory data are designed for the purposes of conservation planning and scientific research and are not intended for use as the primary criteria for regulatory decisions.

Unofficial Report

These results are considered unofficial. FNAI offers a Standard Data Request option for those needing certifiable data.

Attachment D
Site Photographs



Photo 1: Existing Substation facing Southwest



Photo 2: Plowed field facing west



Photo 3: Fallowed field facing east



Photo 4: Upland hardwoods on central tract and non-jurisdictional drainage facing north



Photo 5: Barn facing west



Photo 6: Cemetery facing northeast



Photo 7: Sinkhole in northwest portion of site facing northeast



Photo 8: Edge of large sinkhole facing southwest



Photo 9: Upland Hardwoods in western portion of Project site facing south



Photo 10: Pine-oak Forest facing northeast

Stormwater Management System Report



www.chw-inc.com

CHW
Professional Consultants

Engineer's Certification Statement

I hereby certify that the design of the stormwater management system for the project known as Pleasant Solar has been designed substantially in accordance with the City of Alachua and Florida Department of Environmental Protection applicable rules and criteria.

Nicola R. Cowap, FL PE No. 91233

Causseaux, Hewett, & Walpole, Inc – Certificate of Authorization No. 0005075
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A. Drainage Calculations and Computer Model Output

B. Operation and Maintenance Requirements and Erosion and Sedimentation Control Requirements

C. Geotechnical Report(s)

Introduction

The Pleasant Solar project proposes the development of a ±320 acre solar farm on a property located in the northwestern quadrant of the intersection of Peggy Road and NW 173rd St (CR235A). The project will add ±9305 LF of access road and invertors with stormwater management being handled by the fifteen existing onsite depressions (Basins 1 through 15). As the solar panels will be raised from the ground on pillars, the areas covered by solar panels are still considered pervious.

The project site is located on tax parcels 03894-000-000 and 03898-000-000, north of Peggy Road and west of NW 173rd St in the City of Alachua. Tax parcel 03894-002-000, which is completely surrounded by tax parcel 03894-000-000, is not part of this project and will be left in its current condition. Figure 1 provides a location map and Figure 2 depicts the site on a portion of the High Springs quadrangle map. The site is in Sections 17 & 20, Township 8 South, and Range 17 East, Alachua County.

The site drains to 15 existing depressional areas (Basins 1-15) some of which are located onsite, some offsite, and some both onsite and offsite. No changes are proposed to most of the depressional areas though water quality treatment swales will be provided to the access road in watersheds which drain offsite (3). The depressions in Basins 4, 5, 6, 7, and 9 will be graded in order to reduce the amount of water below the solar panels. The basins were modeled in the pre- and post-development condition in order to determine their maximum stages. Overall, the basins provide stormwater retention onsite with no offsite discharges.

Refer to the accompanying engineering plans for details about the proposed construction and demolition with regards to this project.

Design Criteria

The design criteria for the proposed Stormwater Management Facilities are based upon the criteria set forth by the Florida Department of Environmental Protection (FDEP) and City of Alachua (CoA) for dry retention system design in a closed watershed. The criteria met by this report are:

1. Provide Water Quality Treatment Volume (WQTV) – The minimum stormwater treatment volume shall be the runoff from the first 2.0 inches of rainfall from the design storm. WQTV must be recovered within 72 hours (FDEP).

2. Provide Discharge Rate and Volume Attenuation – Attenuate the post-development peak discharge rates and volumes to be less than the pre-development peak discharge rates and volumes for the 100 year - 1 hour, 100 year - 2 hour, 100 year - 4 hour, 100 year - 8 hour, and 100 year - 24 hour (FDEP & CoA).

3. Provide Volume Recovery – Retention systems must have one-half of the total volume available within 7 days following the end of the design storm event, and the total volume must be recovered within 30 days following the end of the storm event. Alternatively, if

recovery requirements cannot be met, back-to-back storms can be routed through the system (FDEP)

4. Freeboard – Retention ponds shall have a freeboard of 1 foot above the maximum stage in order to function properly during storms greater than the design storm (FDEP)

5. Side Slopes – Side slopes steeper than 4:1 require fencing (FDEP).

The City of Alachua and the FDEP require that best management practices (BMPs) be employed to control erosion and sedimentation and an operation and maintenance entity be established.

Site Characteristics

Physical characteristics of the site are described in the following sections. Additional details are provided in the accompanying Engineering plans.

Site Topography

In the present condition, the project site largely consists of open agricultural space with isolated areas of trees. The trees occur on the property boundary between the two tax parcels, on what appears to be field boundaries, and in groups in the western portion of the site and near the existing house. The site has various high and low points and depressional areas. Site topography varies from a high of el. ±135' in the north to a low of el. 40' in the southwest, with all elevations given in NAVD88.

The site consists of 15 watersheds which drain into 15 depressional areas, listed below. In addition to the ±320 onsite acres, the depressions also provide storage for ±276 acres of offsite area.

WTRSHD-1 is located on the western edge of the site and consists of ±11.36 acres, most of which is offsite. BASIN-1, the depressional area associated with WTRSHD-1, is mostly offsite and does not appear to outfall.

WTRSHD-2 is located to the north and east of WTRSHD-1 and consists of ±29.96 acres and is mostly onsite. BASIN-2 is located in the south side of WTRSHD-2. The watershed is entirely contained onsite and outfalls to BASIN-12 at el. 84.50'.

WTRSHD-3 is located northeast of WTRSHD-2 on the northern property line and consists of ±111 acres which are mostly offsite. BASIN-3 is approximately half onsite and does not appear to outfall.

WTRSHD-4 is located east of WTRSHD-3 and consists of ±35 acres which are mostly offsite. BASIN-4 is completely contained onsite and does not outfall.

WTRSHD-5 is located east of WTRSHD-4 and consists of ±148 acres containing the northern tax parcel and the northeastern corner of the southern tax parcel. Approximately half of the watershed is located offsite and it drains to BASIN-5. BASIN-5 is completely contained onsite and outfalls to BASIN-6, located in WTRSHD-6.

WTRSHD-6 is located entirely onsite, is southwest of WTRSHD-5, consists of ±34 acres, and drains to BASIN-6, which outfalls to BASIN-9.

WTRSHD-7 is located south of WTRSHD-5 and southeast WTRSHD-6, containing the southeast corner of the site and consisting of ±82 acres. BASIN-7 is contained onsite and does not discharge.

WTRSHD-8 is located west of WTRSHD-7 and south of WTRSHD-6 and consists of ±10.5 acres and is completely contained onsite. BASIN-8 is entirely onsite but drains south via a pipe under Peggy Road, discharging to a closed basin north of the Dollar General Distribution Center.

WTRSHD-9 is located west of WTRSHD-8 and southwest of WTRSHD-6 adjacent to Peggy Road. WTRSHD-9 is completely contained onsite and consists of ±34 acres and drains to BASIN-9 which discharges to BASIN-10.

WTRSHD-10 is located west of WTRSHD-9 and east of WTRSHD-2, contained entirely onsite, consists of ±53 acres and drains to BASIN-10. BASIN-10 does not discharge but does accept discharge from BASIN-15 and BASIN-9.

WTRSHD-11 is located in the southwest corner of the site. The vast majority of WTRSHD-11 is onsite with a small sliver of offsite and it consists of ±4 acres. BASIN-11 does not discharge.

WTRSHD-12 is located northwest of WTRSHD-11 and is approximately half onsite and half-offsite. It consists of ±12 acres and drains to BASIN-12, which is also half onsite and half offsite and is not known to discharge but does accept discharge from BASIN-2.

WTRSHD-13 is located north of WTRSHD-2, consists of ±13 acres, and drains to BASIN-2 which discharges south to BASIN-12.

WTRSHD-14 is located south of WTRSHD-2, consists of ±3 acres, is contained onsite, and drains to BASIN-14 which does not discharge.

WTRSHD-15 is located northeast of WTRSHD-10, consists of ±14 acres, and is entirely contained onsite. BASIN-15 discharges to WTSHD-10.

Pre-Development Drainage

In pre-development, the site has largely been cleared for agricultural purposes. The western section of parcel 03894-000-000 was used for growing pines and has recently been cleared. Additionally, there are trees located at the north, west, and southern property lines as well as between the two parcels. The southern parcel has several copses, especially in the area around the identified wetland. The northern parcel has a copse on its northwestern corner where the existing road drains into the site via a ditch.

As several of the existing watersheds are or extend offsite, the pre-development condition was

analyzed to determine if there was an increase in offsite stages.

Refer to Figure 6 for information on the pre-development drainage patterns. Refer to Appendix A and the accompanying engineering plans for additional details.

Post-Development Drainage

In post-development, 10 of the 15 watersheds will be retained in their existing condition while basins 4, 5, 6, 7, and 9 will have their bottoms raised and flattened. Many of the internal trees will be removed, but as the solar panels will be installed on posts and suspended above the ground, the project site will remain largely pervious.

Refer to Figure 7 for information on the post-development drainage patterns. Refer to Appendix A and the accompanying engineering plans for additional details.

Soils Information

The National Resource Conservation Service (NRCS) Soil Survey for Alachua County describes the near surface soil profile as consisting of the following:

- *Arredondo fine sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'A'
- *Fort Meade fine sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'A'
- *Millhopper sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'A'
- *Lochloosa Fine Sand (2 to 5 percent slopes)* with a hydrologic soil group rating of 'B'
- *Kendrick sand (2 to 5 percent slopes)* with a hydrologic soil group rating of 'B'
- *Norfolk loamy fine sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'B'
- *Gainesville sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'A'.
- *Bonneau fine sand (2 to 5 percent slopes)* with a hydrologic soil group rating of 'C'.
-*Lake fine sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'A'.
- *Arredondo fine sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'A'
- *Millhopper Sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'A'.
- *Lochloosa Fine Sand (2 to 5 percent slopes)* with a hydrologic soil group rating of 'B'
- *Kendrick sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'B'.
- *Blichton sand (2 to 5 percent slopes)* with a hydrologic soil group rating of 'C/D'
- *Blichton sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'C/D'
- *Bivans sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'C/D'
- *Norfolk loamy fine sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'B'
- *Gainesville sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'A'.

Refer to Figure 4 for the NRCS Soils Map.

A peer review completed by GSE Engineering & Consulting, Inc. in August 2023. Based on the

Summary Report of A Peer Review, the following design parameters were determined and applied for the stormwater management facility calculations. Refer to Appendix C for further details.

- Base of mobilized aquifer: el. 0'
- Unsaturated vertical infiltration rate: 1 ft/day (includes factor of safety)
- Horizontal hydraulic conductivity: 1 ft/day (includes factor of safety)
- Fillable porosity: 20%
- Average seasonal high groundwater table: el. 45'

Drainage Analysis

The 100 year critical storms were routed through all of the depressions in order to determine the max stages in pre and post development.

Please refer to Appendix A for detailed information, routing results, and hydraulic calculations.

Analysis Methodology

The drainage analysis was conducted using the computer program ICPR v3.10 to generate runoff hydrographs and route the runoff hydrographs through the proposed stormwater management system with a groundwater mounding analysis. The required storm events were analyzed using SRWMD rainfall amounts for Alachua County (FDOT Zone 5) and FDOT distributions for the pre and post-development watersheds.

The drainage analysis was conducted using the Green-Ampt rainfall excess method, with soil characteristics obtained from the National Resources Conservation Service (NRCS) Soil Survey Geodatabase (SSURGO) and published values by Rawls and Brakensiek that identify soil parameters based on soil texture class.

Unit Hydrograph Parameters

Unit hydrograph parameters required for the drainage analysis include drainage area, percent impervious and directly connected impervious area (DCIA), and time of concentration (Tc). The NRCS TR-55 method was utilized to calculate the time of concentration for all watersheds.

The depressional areas were assumed to be 100% directly connected impervious up to the maximum stage. Due to the nature of the site, this is the only directed connected impervious in the model.

Values used in the pre-development analysis are summarized as follows:

WTRSHD-1

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
58	Lake fine sand, 0 to 5 percent slopes	351,225	8.06	4.18	4.18	4.76	51.14	0.417	4.17
3	Arredondo fine sand, 0 to 5 percent slopes	102,918	2.36	0.00	0.00	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	40,718	0.93	0.00	0.00	4.69	20.48	0.402	5.59

$T_c = 32$ min.

WTRSHD-2

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	819,980	18.82	0.41	0.41	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	223,314	5.13	34.87	34.87	4.69	20.48	0.402	5.59
30	Kendrick sand, 2 to 5 percent slopes	231,299	5.31	0.00	0.00	3.22	9.24	0.412	8.74
58	Lake fine sand, 0 to 5 percent slopes	30,542	0.70	0.00	0.00	4.76	51.14	0.417	4.17

$T_c = 21$ min.

WTRSHD-3

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	3,474,897	79.77	20.54	19.37	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	27,579	0.63	0.00	0.00	4.69	20.48	0.402	5.59
30	Kendrick sand, 2 to 5 percent slopes	934,119	21.44	5.22	0.00	3.22	9.24	0.412	8.74
33	Norfolk loamy fine sand, 2 to 5 percent slopes	365,966	8.40	5.50	0.00	4.66	4.32	0.402	5.59
73	Kendrick sand, 5 to 8 percent slopes	22,290	0.51	0.00	0.00	1.77	11.03	0.412	8.74

Tc = 29 min.

WTRSHD-4

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	1,108,832	25.46	8.84	8.84	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	136,160	3.13	0.00	0.00	4.69	20.48	0.402	5.59
5	Fort Meade fine sand, 0 to 5 percent slopes	16,485	0.38	0.00	0.00	4.76	24.70	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	111,827	2.57	26.17	0.00	3.22	9.24	0.412	8.74
33	Norfolk loamy fine sand, 2 to 5 percent slopes	148,390	3.41	4.23	0.00	4.66	4.32	0.402	5.59
35	Gainesville sand, 0 to 5 percent slopes	890	0.02	0.00	0.00	6.56	25.84	0.417	4.17

Tc = 23 min.

WTRSHD-5

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	761,423	17.48	11.33	10.18	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	3,192,943	73.30	13.41	9.34	4.76	24.70	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	234,591	5.39	0.00	0.00	4.69	20.48	0.402	5.59
29	Lochloosa fine sand, 2 to 5 percent slopes	233,989	5.37	5.90	0.00	2.56	8.98	0.412	8.74
30	Kendrick sand, 2 to 5 percent slopes	194,961	4.48	0.00	0.00	3.22	9.24	0.412	8.74
33	Norfolk loamy fine sand, 2 to 5 percent slopes	26,150	0.60	5.73	0.00	4.66	4.32	0.402	5.59
35	Gainesville sand, 0 to 5 percent slopes	598,434	13.74	33.77	33.15	6.56	25.84	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	727,382	16.70	8.74	0.00	1.94	22.77	0.417	4.17
76	Bivans sand, 5 to 8 percent slopes	401,383	9.21	2.30	0.00	1.15	1.44	0.330	17.68
78	Norfolk loamy fine sand, 5 to 8 percent slopes	90,196	2.07	0.00	0.00	4.56	4.73	0.402	5.59

Tc = 38 min.

WTRSHD-6

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	727,895	16.71	10.89	10.89	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	52,393	1.20	0.00	0.00	4.76	24.70	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	125,482	2.88	85.94	85.94	4.69	20.48	0.402	5.59
30	Kendrick sand, 2 to 5 percent slopes	15,699	0.36	0.00	0.00	3.22	9.24	0.412	8.74
35	Gainesville sand, 0 to 5 percent slopes	503,870	11.57	6.14	6.14	6.56	25.84	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	46,675	1.07	0.00	0.00	1.94	22.77	0.417	4.17

Tc = 25 min.

WTRSHD-7

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	940,189	21.58	10.25	3.98	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	1,934,848	44.42	13.33	8.11	4.76	24.70	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	156,969	3.60	6.07	0.00	3.22	9.24	0.412	8.74
35	Gainesville sand, 0 to 5 percent slopes	492,206	11.30	21.11	20.15	6.56	25.84	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	61,417	1.41	0.00	0.00	1.94	22.77	0.417	4.17

Tc = 33 min.

WTRSHD-8

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	232,774	5.34	5.12	5.12	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	125,211	2.87	11.74	11.74	4.76	24.70	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	99,400	2.28	0.00	0.00	1.94	22.77	0.417	4.17

Tc = 18 min.

WTRSHD-9

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	818,208	18.78	0.51	0.51	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	2,056	0.05	0.00	0.00	4.76	24.70	0.417	4.17
29	Lochloosa fine sand, 2 to 5 percent slopes	310,730	7.13	21.03	21.03	2.56	8.98	0.412	8.74
30	Kendrick sand, 2 to 5 percent slopes	124,143	2.85	0.00	0.00	3.22	9.24	0.412	8.74
69	Arredondo fine sand, 5 to 8 percent slopes	209,178	4.80	16.66	16.66	1.94	22.77	0.417	4.17

Tc = 22 min.

WTRSHD-10

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	1,850,927	42.49	17.79	17.79	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	229,178	5.26	0.00	0.00	4.69	20.48	0.402	5.59
29	Lochloosa fine sand, 2 to 5 percent slopes	8,586	0.20	0.00	0.00	2.56	8.98	0.412	8.74
30	Kendrick sand, 2 to 5 percent slopes	212,409	4.88	0.00	0.00	3.22	9.24	0.412	8.74
69	Arredondo fine sand, 5 to 8 percent slopes	17,080	0.39	2.12	2.12	1.94	22.77	0.417	4.17

Tc = 31 min.

WTRSHD-11

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	152,300	3.50	0.05	0.05	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	31,743	0.73	0.00	0.00	4.69	20.48	0.402	5.59

Tc = 12 min.

WTRSHD-12

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	174,498	4.01	0.00	0.00	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	305,226	7.01	28.33	28.33	4.69	20.48	0.402	5.59

58	Lake fine sand, 0 to 5 percent slopes	45,115	1.04	0.00	0.00	4.76	51.14	0.417	4.17

Tc = 16 min.

WTRSHD-13

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	536,203	12.31	0.99	0.99	1.94	23.01	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	46,526	1.07	0.00	0.00	3.22	9.24	0.412	8.74

Tc = 23 min.

WTRSHD-14

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
8	Millhopper sand, 0 to 5 percent slopes	149,698	3.44	10.55	10.55	4.69	20.48	0.402	5.59

Tc = 12 min.

WTRSHD-15

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	401,431	9.22	0.13	0.13	1.94	23.01	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	196,961	4.52	0.00	0.00	3.22	9.24	0.412	8.74

Tc = 15 min.

Values used in the post-development analysis are summarized as follows:

WTRSHD-1

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
58	Lake fine sand, 0 to 5 percent slopes	351,225	8.06	4.18	4.18	4.76	51.14	0.417	4.17
3	Arredondo fine sand, 0 to 5 percent slopes	102,918	2.36	0.00	0.00	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	40,718	0.93	0.00	0.00	4.69	20.48	0.402	5.59

T_c = 32 min.

WTRSHD-2

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	819,980	18.82	0.41	0.41	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	223,314	5.13	34.87	34.87	4.69	20.48	0.402	5.59
30	Kendrick sand, 2 to 5 percent slopes	231,299	5.31	0.00	0.00	3.22	9.24	0.412	8.74

58	Lake fine sand, 0 to 5 percent slopes	30,542	0.70	0.00	0.00	4.76	51.14	0.417	4.17

T_c = 21 min.

WTRSHD-3

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	3,474,897	79.77	20.51	19.37	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	27,579	0.63	0.00	0.00	4.69	20.48	0.402	5.59
30	Kendrick sand, 2 to 5 percent slopes	934,119	21.44	5.22	0.00	3.22	9.24	0.412	8.74
33	Norfolk loamy fine sand, 2 to 5 percent slopes	365,966	8.40	5.50	0.00	4.66	4.32	0.402	5.59
73	Kendrick sand, 5 to 8 percent slopes	22,290	0.51	0.00	0.00	1.77	11.03	0.412	8.74

Tc = 29 min.

WTRSHD-4

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	1,108,832	25.46	8.84	8.84	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	136,160	3.13	0.00	0.00	4.69	20.48	0.402	5.59
5	Fort Meade fine sand, 0 to 5 percent slopes	16,485	0.38	0.00	0.00	4.76	24.70	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	111,827	2.57	27.69	0.00	3.22	9.24	0.412	8.74
33	Norfolk loamy fine sand, 2 to 5 percent slopes	148,390	3.41	4.23	0.00	4.66	4.32	0.402	5.59
35	Gainesville sand, 0 to 5 percent slopes	890	0.02	0.00	0.00	6.56	25.84	0.417	4.17

Tc = 23 min.

WTRSHD-5

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	761,423	17.48	11.33	10.18	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	3,192,943	73.30	14.34	9.34	4.76	24.70	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	234,591	5.39	0.00	0.00	4.69	20.48	0.402	5.59
29	Lochloosa fine sand, 2 to 5 percent slopes	233,989	5.37	5.90	0.00	2.56	8.98	0.412	8.74
30	Kendrick sand, 2 to 5 percent slopes	194,961	4.48	0.00	0.00	3.22	9.24	0.412	8.74
33	Norfolk loamy fine sand, 2 to 5 percent slopes	26,150	0.60	5.73	0.00	4.66	4.32	0.402	5.59
35	Gainesville sand, 0 to 5 percent slopes	598,434	13.74	36.45	33.15	6.56	25.84	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	727,382	16.70	8.74	0.00	1.94	22.77	0.417	4.17
76	Bivans sand, 5 to 8 percent slopes	401,383	9.21	2.30	0.00	1.15	1.44	0.330	17.68
78	Norfolk loamy fine sand, 5 to 8 percent slopes	90,196	2.07	0.00	0.00	4.56	4.73	0.402	5.59

Tc = 38 min.

WTRSHD-6

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	727,895	16.71	17.03	10.89	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	52,393	1.20	0.42	0.00	4.76	24.70	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	125,482	2.88	89.65	85.94	4.69	20.48	0.402	5.59
30	Kendrick sand, 2 to 5 percent slopes	15,699	0.36	7.51	0.00	3.22	9.24	0.412	8.74
35	Gainesville sand, 0 to 5 percent slopes	503,870	11.57	9.52	6.14	6.56	25.84	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	46,675	1.07	0.00	0.00	1.94	22.77	0.417	4.17

Tc = 25 min.

WTRSHD-7

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	940,189	21.58	10.25	3.98	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	1,934,848	44.42	13.33	8.11	4.76	24.70	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	156,969	3.60	7.75	0.00	3.22	9.24	0.412	8.74
35	Gainesville sand, 0 to 5 percent slopes	492,206	11.30	21.58	20.15	6.56	25.84	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	61,417	1.41	0.00	0.00	1.94	22.77	0.417	4.17

Tc = 33 min.

WTRSHD-8

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	232,774	5.34	5.12	5.12	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	125,211	2.87	11.74	11.74	4.76	24.70	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	99,400	2.28	0.00	0.00	1.94	22.77	0.417	4.17

Tc = 18 min.

WTRSHD-9

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	818,208	18.78	3.26	0.51	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	2,056	0.05	0.00	0.00	4.76	24.70	0.417	4.17
29	Lochloosa fine sand, 2 to 5 percent slopes	310,730	7.13	21.73	21.03	2.56	8.98	0.412	8.74
30	Kendrick sand, 2 to 5 percent slopes	124,143	2.85	0.91	0.00	3.22	9.24	0.412	8.74
69	Arredondo fine sand, 5 to 8 percent slopes	209,178	4.80	17.81	16.66	1.94	22.77	0.417	4.17

Tc = 22 min.

WTRSHD-10

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	1,850,927	42.49	21.10	17.79	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	229,178	5.26	0.00	0.00	4.69	20.48	0.402	5.59
29	Lochloosa fine sand, 2 to 5 percent slopes	8,586	0.20	0.00	0.00	2.56	8.98	0.412	8.74
30	Kendrick sand, 2 to 5 percent slopes	212,409	4.88	0.40	0.00	3.22	9.24	0.412	8.74
69	Arredondo fine sand, 5 to 8 percent slopes	17,080	0.39	2.12	2.12	1.94	22.77	0.417	4.17

Tc = 31 min.

WTRSHD-11

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	152,300	3.50	0.05	0.05	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	31,743	0.73	0.00	0.00	4.69	20.48	0.402	5.59

Tc = 12 min.

WTRSHD-12

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	174,498	4.01	0.00	0.00	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	305,226	7.01	28.33	28.33	4.69	20.48	0.402	5.59
58	Lake fine sand, 0 to 5 percent slopes	45,115	1.04	0.00	0.00	4.76	51.14	0.417	4.17

Tc = 16 min.

WTRSHD-13

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	536,203	12.31	0.99	0.99	1.94	23.01	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	46,526	1.07	0.00	0.00	3.22	9.24	0.412	8.74

Tc = 23 min.

WTRSHD-14

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
8	Millhopper sand, 0 to 5 percent slopes	149,698	3.44	10.55	10.55	4.69	20.48	0.402	5.59

Tc = 12 min.

WTRSHD-15

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	9.22	0.13	0.13	1.94	23.01	0.417	4.17	9.22
30	Kendrick sand, 2 to 5 percent slopes	4.52	0.03	0.00	3.22	9.24	0.412	8.74	4.52

Tc = 15 min.

Pond Storage

Stage-storage values for all depressions are provided in Appendix A.

Water Quality Treatment Volume

Per FDEP, the required WQTV for a dry retention system is the runoff from 2.0 inches of rainfall from the design storm calculated using the rational method. For Basin 3, where new impervious is proposed and the existing depression extends offsite, a roadside swale is proposed to provide extra WQTV.

Table 1 below shows the required water quality treatment volume utilized for each basin and the corresponding elevation of this volume.

Table 1: Post-Development Water Quality Treatment

Basin ID	Required WQTV (cf)	Provided (cf)	WQTV Stage (FT)	Recovery (hrs)
BASIN-1	20,163	20,163	85.28	<31
BASIN-2	63,807	63,807	59.49	>72
BASIN-3	342,685	342,685	81.53	< 18
BASIN-4	142,220	142,220	85.68	<37
BASIN-5	393,422	393,422	87.77	<17
BASIN-6	112,046	112,046	85.28	<19
BASIN-7	215,288	215,288	78.65	<7
BASIN-8	21,900	21,900	86.00	< 62
BASIN-9	78,429	78,429	77.48	<16
BASIN-10	167,430	167,430	73.20	<29
BASIN-11	8,223	8,223	82.05	<26
BASIN-12	39,112	39,112	82.77	<19
BASIN-13	20,749	20,749	89.05*	>72
BASIN-14	8,939	8,939	78.32	<67
BASIN-15	34,227	34,227	84.24	<30

* Basin 13 discharges to Basin 2, so the excess WQTV will remain onsite.

Basins 2 and 13 do not recover. However, Basin 2 also does not recover in any of the storm routings and both basins are considered to be sinkholes. No changes are proposed to those depressions and no additional impervious is proposed to drain to those depressions.

Run-off and Facility Routing Results

The routing results are summarized below in Tables 2-9. The maximum stages for each basin are broken down by storm, with the maximum stages for the 100-year, 24-hour storm in Table 2, the 100-year, 8-hour storm in Table 3, the 100-year, 4-hour storm in Table 4, the 100-year, 2-hour storm in Table 5, and the 100-year, 1-hour storm in Table 6.

Detailed post-development modeling results are included in Appendix A.

Table 2: 100-year, 24-hour Peak Stages

Basin	Top of Bank (FT)	Pre Peak Stage (FT)	Post Peak Stage (FT)	Difference	Pre Stage 30 Days Post Storm Event	Post Stage 30 Days Post Storm Event	Lowest El. at Prop. Boundary[1]
BASIN-1	86.00	85.27	85.27	0.00	84.00	84.00	86.00[2]
BASIN-2	84.00	68.44	68.44	0.00	50.28*	50.28*	90.00
BASIN-3	88.00	83.20	83.22	0.02	80.00	80.00	79.00[2]
BASIN-4	87.00	84.12	85.37	1.25	81.00	85.00	94.00
BASIN-5	89.00	88.69	88.01	-0.68	85.00	88.00	89.00
BASIN-6	87.00	85.31	85.12	-0.19	82.00	85.00	N/A
BASIN-7	80.00	77.77	78.47	0.70	75.00	78.00	80.00[2]
BASIN-8	87.00	86.05	86.05	0.00	86.00	86.00	86.00[2]
BASIN-9	79.00	76.83	77.64	0.81	72.00	77.00	90.00
BASIN-10	79.00	75.71	75.89	0.18	72.00	72.00	90.00
BASIN-11	84.00	82.76	82.76	0.00	81.00	81.00	84.00[2]
BASIN-12	83.00	82.95	82.95	0.00	82.00	82.00	83.00[2]
BASIN-13	89.00	88.95	88.95	0.00	80.00	80.00	91.00
BASIN-14	84.00	77.90	77.90	0.00	75.00	75.00	86.00
BASIN-15	84.75	83.84	83.84	0.00	83.00	83.00	N/A

* Above basin bottom

Table 3: 100-year, 8-hour Peak Stages

Basin	Top of Bank (FT)	Pre Peak Stage (FT)	Post Peak Stage (FT)	Difference	Pre Stage 30 Days Post Storm Event	Post Stage 30 Days Post Storm Event	Lowest El. at Prop. Boundary[1]
BASIN-1	86.00	84.78	84.78	0.00	84.00	84.00	86.00[2]
BASIN-2	84.00	54.22	54.22	0.00	46.28*	46.28*	90.00
BASIN-3	88.00	82.09	82.09	0.00	80.00	80.00	79.00[2]
BASIN-4	87.00	82.88	85.12	2.24	81.00	85.00	94.00
BASIN-5	89.00	88.05	87.68	-0.37	85.00	87.00	89.00
BASIN-6	87.00	84.57	85.14	0.57	82.00	85.00	N/A
BASIN-7	80.00	76.91	78.33	1.42	75.00	78.00	80.00[2]
BASIN-8	87.00	86.02	86.02	0.00	86.00	86.00	86.00[2]
BASIN-9	79.00	75.38	77.20	1.82	72.00	77.00	90.00
BASIN-10	79.00	74.89	74.89	0.00	72.00	72.00	90.00
BASIN-11	84.00	81.00	81.00	0.00	81.00	81.00	84.00[2]
BASIN-12	83.00	82.87	82.87	0.00	82.00	82.00	83.00[2]
BASIN-13	89.00	82.68	82.68	0.00	80.00	80.00	91.00
BASIN-14	84.00	77.79	77.79	0.00	75.00	75.00	86.00
BASIN-15	84.75	83.00	83.00	0.00	83.00	83.00	N/A

* Above basin bottom

Table 4: 100-year, 4-hour Peak Stages

Basin	Top of Bank (FT)	Pre Peak Stage (FT)	Post Peak Stage (FT)	Difference	Pre Stage 30 Days Post Storm Event	Post Stage 30 Days Post Storm Event	Lowest El. at Prop. Boundary[1]
BASIN-1	86.00	84.74	84.74	0.00	84.00	84.00	86.00[2]
BASIN-2	84.00	53.79	53.79	0.00	46.04*	46.04*	90.00
BASIN-3	88.00	81.89	81.89	0.00	80.00	80.00	79.00[2]
BASIN-4	87.00	82.77	85.13	2.36	81.00	85.00	94.00
BASIN-5	89.00	87.83	87.58	-0.25	85.00	87.00	89.00
BASIN-6	87.00	84.41	85.16	0.75	82.00	87.00	N/A
BASIN-7	80.00	76.79	78.33	1.54	75.00	78.00	80.00[2]
BASIN-8	87.00	86.02	86.02	0.00	86.00	86.00	86.00[2]
BASIN-9	79.00	75.26	77.22	1.96	72.00	77.00	90.00
BASIN-10	79.00	74.76	74.76	0.00	72.00	72.00	90.00
BASIN-11	84.00	81.00	81.00	0.00	81.00	81.00	84.00[2]
BASIN-12	83.00	82.85	82.85	0.00	82.00	82.00	83.00[2]
BASIN-13	89.00	82.44	82.44	0.00	80.00	80.00	91.00
BASIN-14	84.00	77.67	77.67	0.00	75.00	75.00	86.00
BASIN-15	84.75	83.00	83.00	0.00	83.00	83.00	N/A

* Above basin bottom

Table 5: 100-year, 2-hour Peak Stages

Basin	Top of Bank (FT)	Pre Peak Stage (FT)	Post Peak Stage (FT)	Difference	Pre Stage 30 Days Post Storm Event	Post Stage 30 Days Post Storm Event	Lowest El. at Prop. Boundary[1]
BASIN-1	86.00	84.64	85.27	0.00	84.00	84.00	86.00[2]
BASIN-2	84.00	52.47	68.44	0.00	45.80*	45.80*	90.00
BASIN-3	88.00	81.72	83.22	0.00	80.00	80.00	79.00[2]
BASIN-4	87.00	82.78	85.37	2.39	81.00	85.00	94.00
BASIN-5	89.00	87.58	88.01	-0.11	85.00	87.00	89.00
BASIN-6	87.00	84.15	85.12	0.99	82.00	87.00	N/A
BASIN-7	80.00	76.58	78.47	1.69	75.00	78.00	80.00[2]
BASIN-8	87.00	86.04	86.05	0.00	86.00	86.00	86.00[2]
BASIN-9	79.00	75.05	77.64	2.14	72.00	77.00	90.00
BASIN-10	79.00	74.54	75.89	0.00	72.00	72.00	90.00
BASIN-11	84.00	81.00	82.76	0.00	81.00	81.00	84.00[2]
BASIN-12	83.00	82.77	82.95	0.00	82.00	82.00	83.00[2]
BASIN-13	89.00	82.09	88.95	0.00	80.00	80.00	91.00
BASIN-14	84.00	77.45	77.90	0.00	75.00	75.00	86.00
BASIN-15	84.75	83.00	83.84	0.00	83.00	83.00	N/A

* Above basin bottom

Table 6: 100-year, 1-hour Peak Stages

Basin	Top of Bank (FT)	Pre Peak Stage (FT)	Post Peak Stage (FT)	Difference	Pre Stage 30 Days Post Storm Event	Post Stage 30 Days Post Storm Event	Lowest El. at Prop. Boundary[1]
BASIN-1	86.00	84.55	84.55	0.00	84.00	84.00	86.00[2]
BASIN-2	84.00	51.29	51.29	0.00	45.62*	45.62*	90.00
BASIN-3	88.00	81.57	81.57	0.00	80.00	80.00	79.00[2]
BASIN-4	87.00	82.80	85.19	2.39	81.00	85.00	94.00
BASIN-5	89.00	87.49	87.43	-0.06	85.00	87.00	89.00
BASIN-6	87.00	83.91	85.12	1.21	82.00	85.00	N/A
BASIN-7	80.00	76.40	78.22	1.82	75.00	78.00	80.00[2]
BASIN-8	87.00	86.05	86.05	0.00	86.00	86.00	86.00[2]
BASIN-9	79.00	74.86	77.16	2.30	72.00	77.00	90.00
BASIN-10	79.00	74.34	74.34	0.00	72.00	72.00	90.00
BASIN-11	84.00	81.00	81.00	0.00	81.00	81.00	84.00[2]
BASIN-12	83.00	82.69	82.69	0.00	82.00	82.00	83.00[2]
BASIN-13	89.00	81.80	81.80	0.00	80.00	80.00	91.00
BASIN-14	84.00	77.26	77.26	0.00	75.00	75.00	86.00
BASIN-15	84.75	83.00	83.00	0.00	83.00	83.00	N/A

* Above basin bottom

Note 1: Basins marked "N/A" do not have watersheds which reach the property boundary
Note 2: Basins in red extend over the property boundary. Basins not in red serve a watershed which extends over the property boundary but are contained onsite.

Basins 4, 6, 7, and 9 see consistent increases in stage in post development as compared to pre-development. This is a result of the basin bottoms being raised in post-development. Basin 3 sees a 0.02 ft (0.24") in post-development for the 24-hour storm. While Basin 3 extends offsite, the increase in stage is de minis given how small it is. Basin 2 does not recover in pre or post development but there is also no proposed maximum stage increases.

Post-development offsite discharges are summarized in tables 7-21, below. Please note that the majority of the depressions are full retention, even if they extend offsite.

Table 7: Offsite Discharge (Basin 1)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 8: Offsite Discharge (Basin 2)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 9: Offsite Discharge (Basin 3)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 10: Offsite Discharge (Basin 4)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 11: Offsite Discharge (Basin 5)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 12: Offsite Discharge (Basin 6)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 13: Offsite Discharge (Basin 7)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 14: Offsite Discharge (Basin 8)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	2.32	2.32	0.00	-36.4	-36.4	0.00
100 year, 2 hour	2.06	2.06	0.00	-36.4	-36.4	0.00
100 year, 4 hour	1.50	1.50	0.00	-36.4	-36.4	0.00
100 year, 8 hour	1.53	1.53	0.00	-36.4	-36.4	0.00
100 year, 24 hour	2.35	2.35	0.00	-35.7	-35.7	0.00

Table 15: Offsite Discharge (Basin 9)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 16: Offsite Discharge (Basin 10)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 17: Offsite Discharge (Basin 11)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 18: Offsite Discharge (Basin 12)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 19: Offsite Discharge (Basin 13)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 20: Offsite Discharge (Basin 14)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 21: Offsite Discharge (Basin 15)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Summary and Conclusions

The proposed drainage system meets City of Alachua and SRWMD criteria for stormwater management facilities as follows:

1. Provide Water Quality Treatment Volume (WQTV): SMF-1 and SMF-2 have been designed to retain the first 2.0 inches of rainfall over from the drainage area and recover the WQTV within 72 hours for the roadway in the (FDEP).

2. Provide Discharge Rate and Volume Attenuation: The majority of the basins do not discharge or discharge onsite. The only basin which discharges offsite does not have an increase in peak discharge or volumetric discharge. (FDEP)

3. Provide Volume Recovery – Most of the depressions recover in both pre and post-development. The one depression which does not recover, Basin-2, does not recover in both the pre and post-development conditions. (FDEP)

4. Freeboard – The majority of the depressions do not have 1' of freeboard in the pre or post-development condition. Any increase in post-development stage is de minimis or otherwise contained onsite. (FDEP)

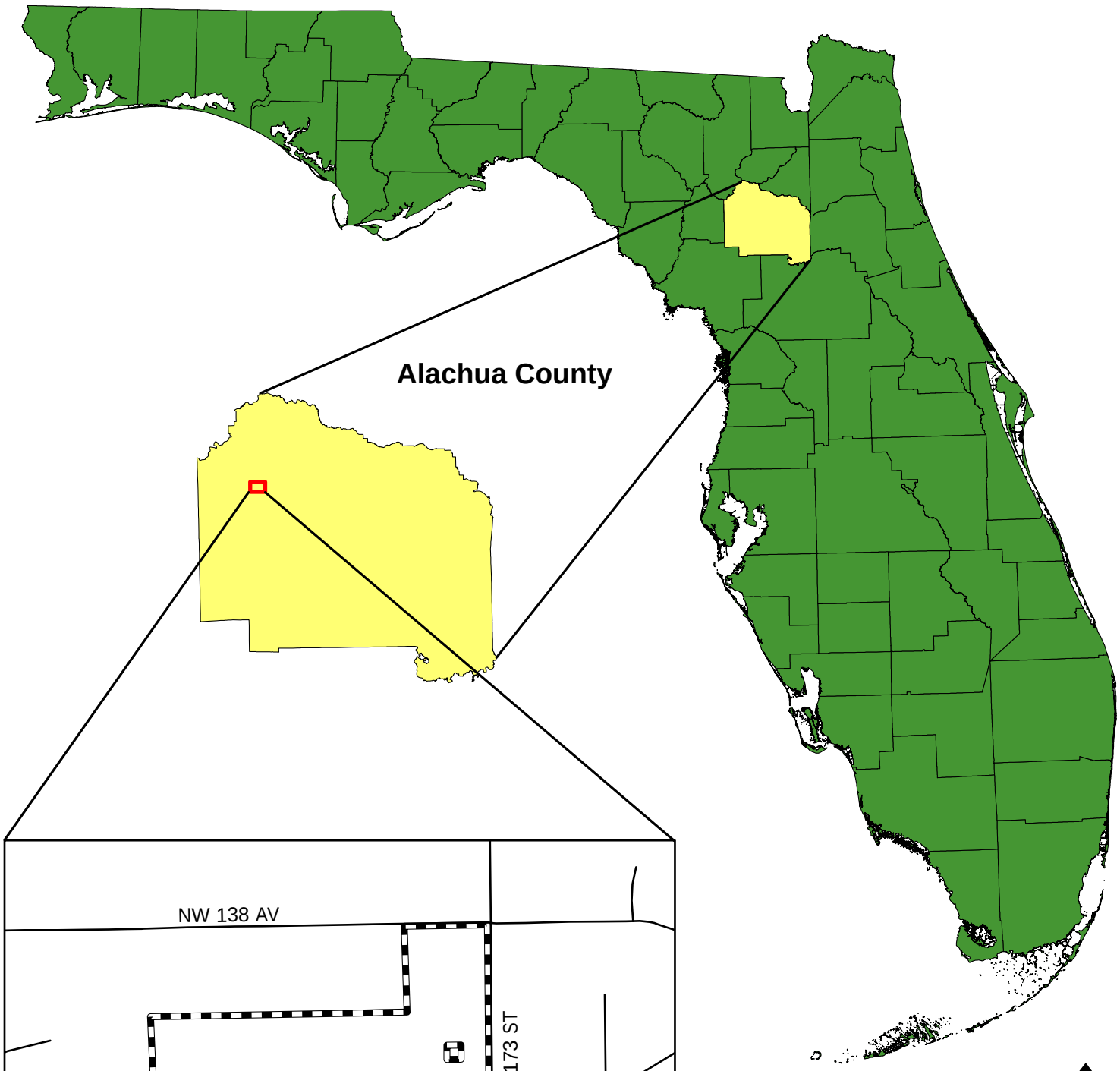
5. Side Slopes – Side slopes steeper than 4:1 require fencing (FDEP).

Based on the information provided, the project is eligible for approval by the Cityof Alachua and FDEP.

Figure 1

Project Location Map

Project Location Map
Pleasant Solar



NORTH

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(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA
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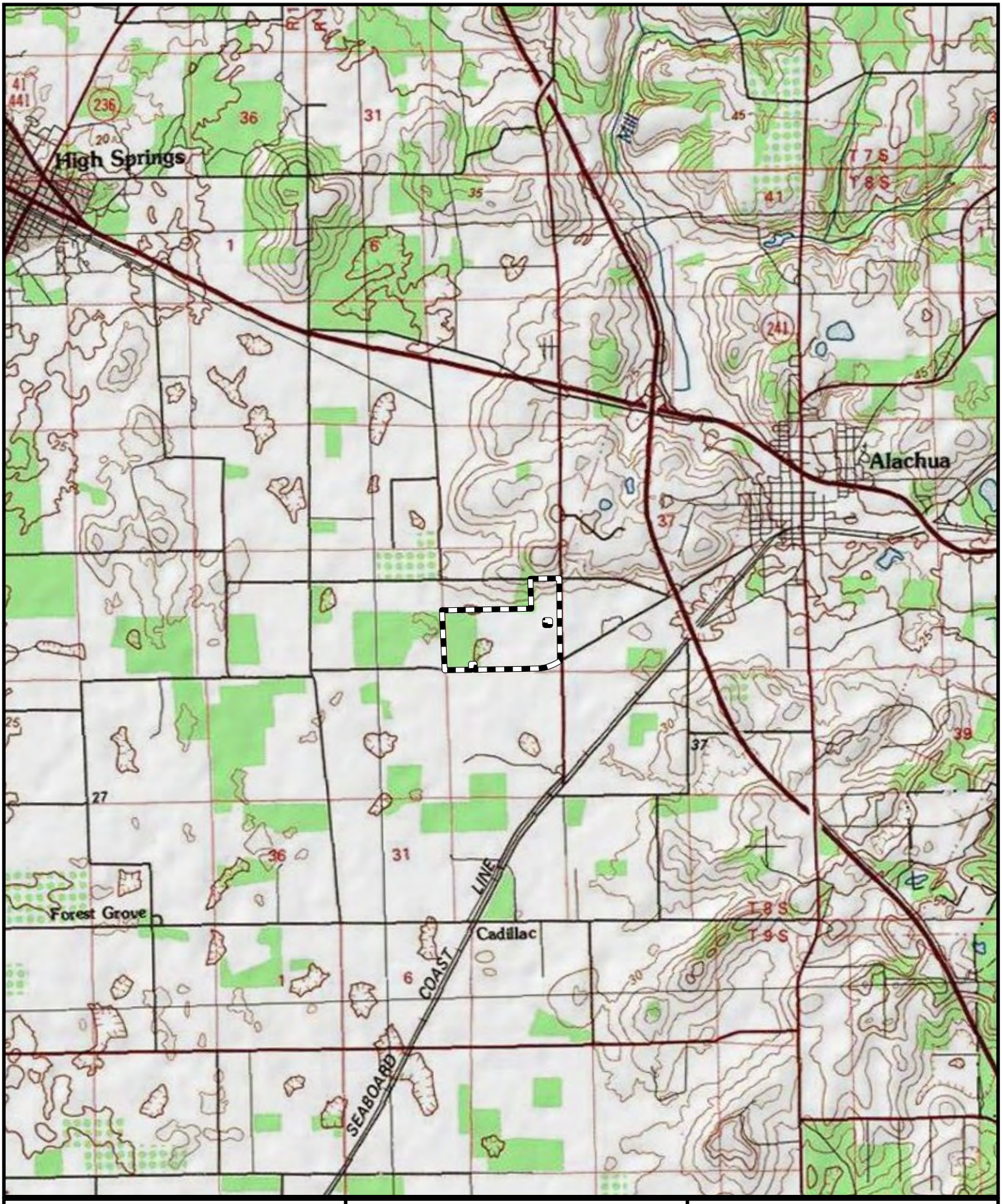
Figure 2

Quadrangle Map



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Pleasant Solar
Quad Map

0 0.5 1
Miles

NORTH

Figure 3

Aerial Map



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Pleasant Solar
Aerial Map

0 400 800
Feet

NORTH

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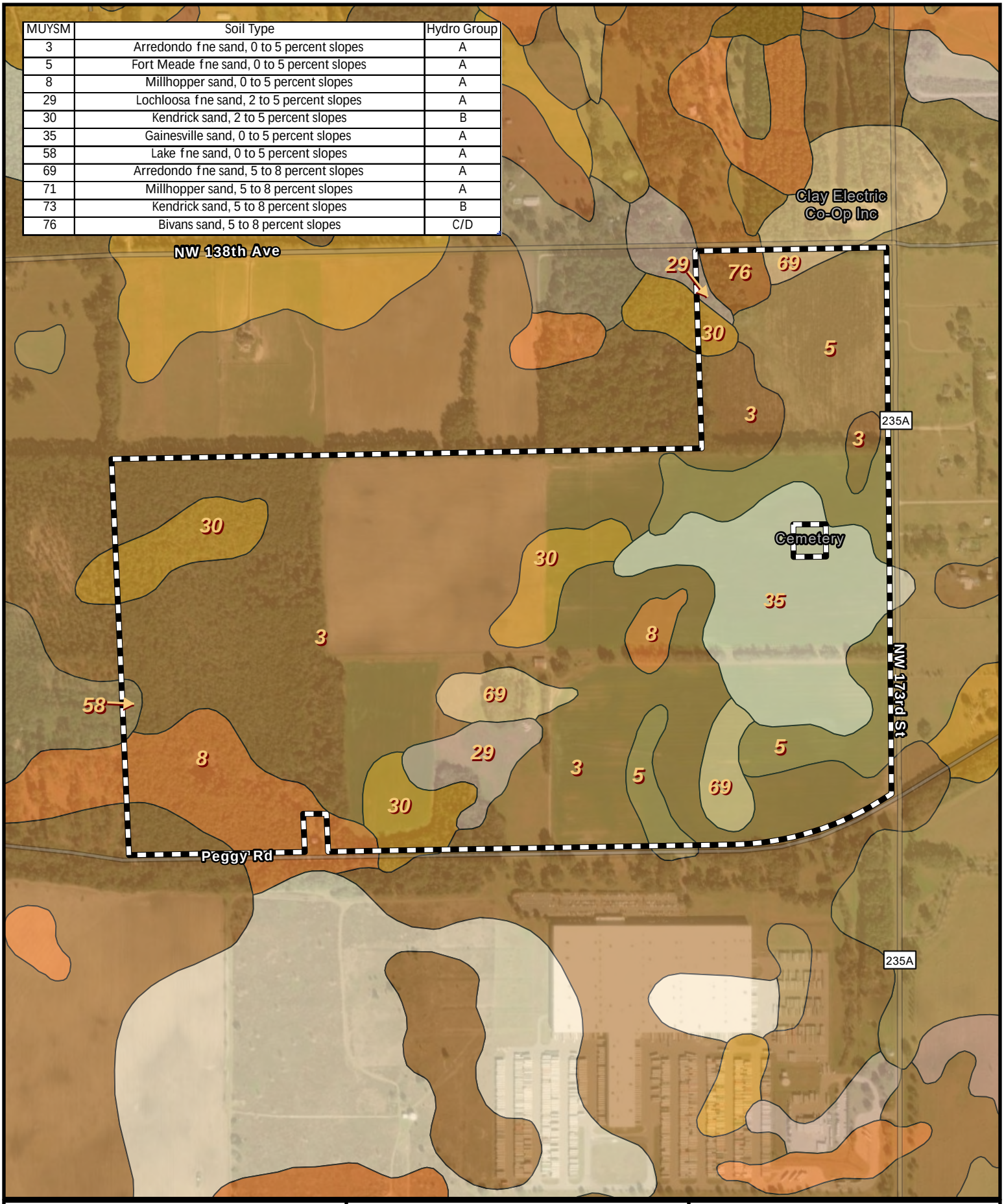
Figure 4

NRCS Soils Map

MUYSM	Soil Type	Hydro Group
3	Arredondo fne sand, 0 to 5 percent slopes	A
5	Fort Meade fne sand, 0 to 5 percent slopes	A
8	Millhopper sand, 0 to 5 percent slopes	A
29	Lochloosa fne sand, 2 to 5 percent slopes	A
30	Kendrick sand, 2 to 5 percent slopes	B
35	Gainesville sand, 0 to 5 percent slopes	A
58	Lake fne sand, 0 to 5 percent slopes	A
69	Arredondo fne sand, 5 to 8 percent slopes	A
71	Millhopper sand, 5 to 8 percent slopes	A
73	Kendrick sand, 5 to 8 percent slopes	B
76	Bivans sand, 5 to 8 percent slopes	C/D



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Pleasant Solar Soils Map

0 400 800
US Feet

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Figure 5

FEMA Map



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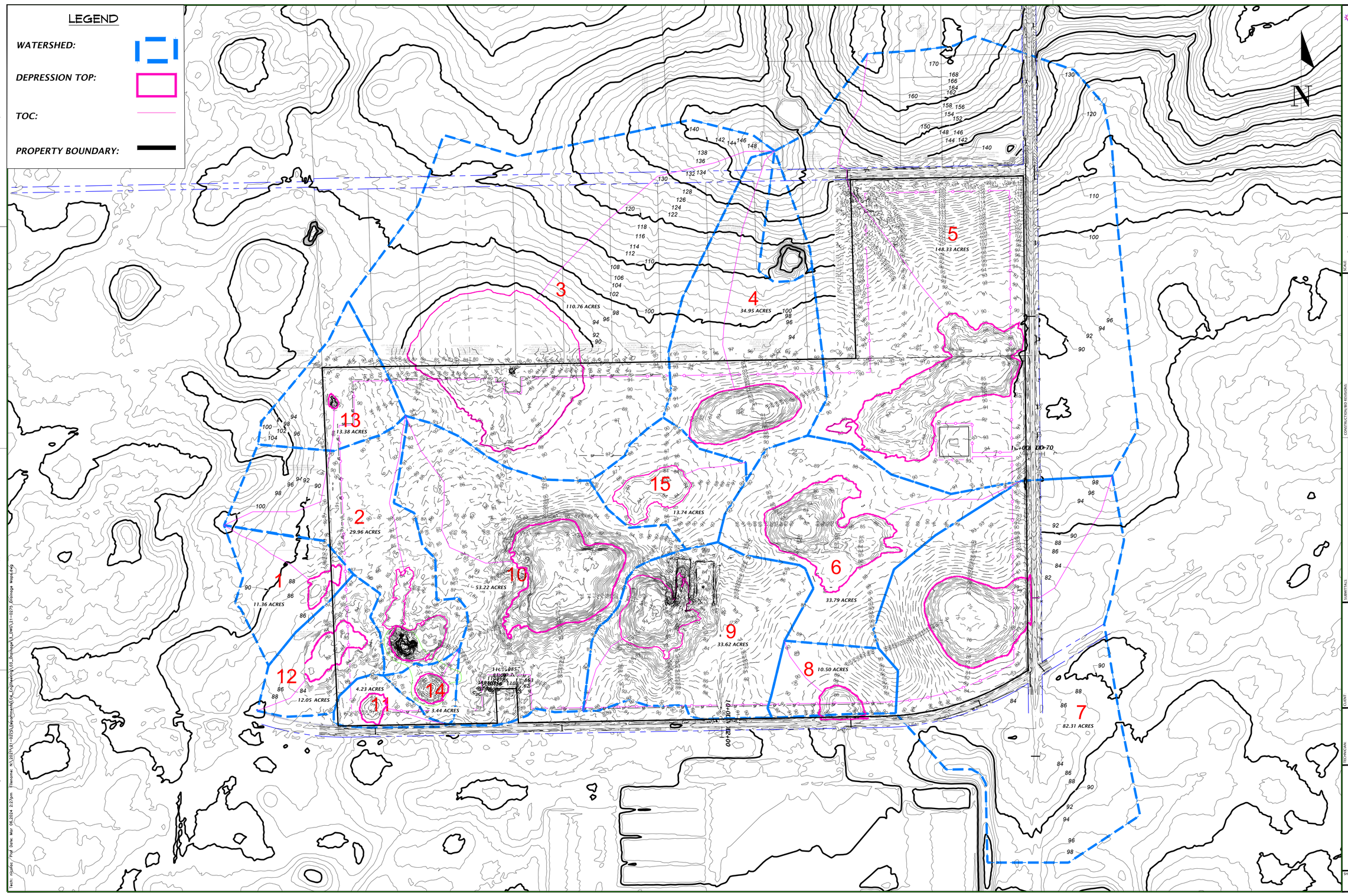
Pleasant Solar
FEMA Map

0 400 800
Feet

NORTH

Figure 6

Pre-Development Drainage Map



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SCALE: 1"=300'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:

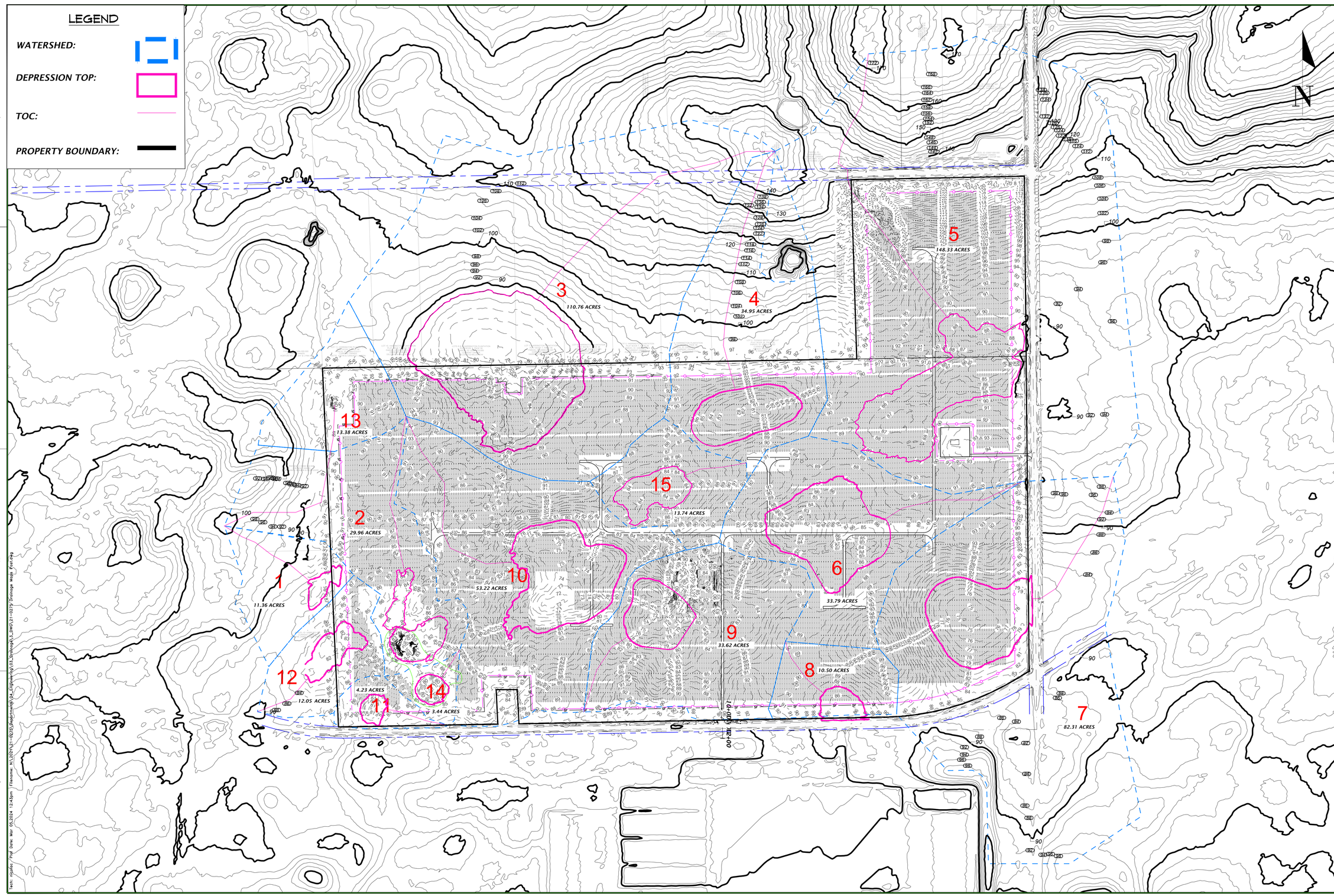
CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR DEVELOPMENT
SHEET TITLE: PRE-DEVELOPMENT DRAINAGE MAP

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

SHEET NO.: FIG-6

Figure 7

Post-Development Drainage Map



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR DEVELOPMENT

SHEET TITLE: POST-DEVELOPMENT DRAINAGE MAP

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

SHEET NO.: FIG-7

Appendix A

Drainage Calculations and
Computer Model Output

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-1: Stage-Storage Relationship

ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
84	4,831	0.111	0	0.000
85	14,671	0.337	9,751	0.224
86	36,121	0.829	35,146	0.807

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-2: Stage-Storage Relationship

ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
40	675	0.016	0	0.000
41	927	0.021	801	0.018
42	1,145	0.026	1,837	0.042
43	1,389	0.032	3,104	0.071
44	1,629	0.037	4,613	0.106
45	1,860	0.043	6,357	0.146
46	2,098	0.048	8,336	0.191
47	2,402	0.055	10,586	0.243
48	2,665	0.061	13,120	0.301
49	2,937	0.067	15,921	0.365
50	3,225	0.074	19,002	0.436
51	3,500	0.080	22,365	0.513
52	3,782	0.087	26,005	0.597
53	4,100	0.094	29,946	0.687
54	4,458	0.102	34,225	0.786
55	4,818	0.111	38,863	0.892
56	5,174	0.119	43,858	1.007
57	5,531	0.127	49,210	1.130
58	5,869	0.135	54,910	1.261
59	6,222	0.143	60,956	1.399
60	6,620	0.152	67,377	1.547
61	7,017	0.161	74,195	1.703
62	7,422	0.170	81,415	1.869
63	7,859	0.180	89,055	2.044
64	8,316	0.191	97,143	2.230
65	8,766	0.201	105,684	2.426
66	9,222	0.212	114,678	2.633
67	9,674	0.222	124,126	2.850
68	10,111	0.232	134,018	3.077
69	10,569	0.243	144,359	3.314

70	11,054	0.254	155,171	3.562
71	11,589	0.266	166,492	3.822
72	12,176	0.280	178,375	4.095
73	12,782	0.293	190,854	4.381
74	13,248	0.304	203,869	4.680
75	14,216	0.326	217,601	4.995
76	15,212	0.349	232,316	5.333
77	16,403	0.377	248,123	5.696
78	17,823	0.409	265,236	6.089
79	19,274	0.442	283,784	6.515
80	20,884	0.479	303,863	6.976
81	22,949	0.527	325,780	7.479
82	26,133	0.600	350,320	8.042
83	55,453	1.273	391,113	8.979
84	81,209	1.864	459,444	10.547
84.25	134,643	3.091	486,425	11.167

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-3: Stage-Storage Relationship				
ELEV. (FT.)	**AREA (SF)**	**AREA (AC)**	**VOLUME (CF)**	**VOLUME (AC-FT)**
80	105,792	2.429	0	0.000
82	253,491	5.819	359,283	8.248
84	432,874	9.937	1,045,649	24.005
86	673,176	15.454	2,151,699	49.396
88	955,403	21.933	3,780,278	86.783

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-4: Stage-Storage Relationship				
ELEV. (FT.)	**AREA (SF)**	**AREA (AC)**	**VOLUME (CF)**	**VOLUME (AC-FT)**
81	7,666	0.176	0	0.000
82	26,358	0.605	17,012	0.391
83	62,476	1.434	61,429	1.410
84	97,998	2.250	141,666	3.252
85	137,861	3.165	259,595	5.959
86	182,644	4.193	419,848	9.638
87	235,445	5.405	628,893	14.437

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-5: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
85	29,028	0.666	0	0.000
86	65,453	1.503	47,241	1.084
87	147,321	3.382	153,628	3.527
88	351,099	8.060	402,838	9.248
89	574,087	13.179	865,431	19.868

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-6: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
82	15,030	0.345	0	0.000
83	37,707	0.866	26,368	0.605
84	66,408	1.525	78,426	1.800
85	108,238	2.485	165,749	3.805
86	218,055	5.006	328,895	7.550
87	413,711	9.498	644,778	14.802

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-7: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
75	16,429	0.377	0	0.000
76	88,466	2.031	52,447	1.204
77	149,565	3.434	171,463	3.936
78	214,237	4.918	353,364	8.112
79	293,499	6.738	607,232	13.940
80	369,527	8.483	938,745	21.551

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-8: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
86	26,701	0.613	0	0.000
87	62,466	1.434	44,583	1.023

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-9: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
72	879	0.020	0	0.000
73	4,491	0.103	2,685	0.062
74	14,659	0.337	12,260	0.281
75	41,119	0.944	40,149	0.922
76	69,346	1.592	95,381	2.190
77	104,380	2.396	182,244	4.184
78	134,762	3.094	301,815	6.929
79	174,375	4.003	456,384	10.477
79.75	213,734	4.907	601,925	13.818

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-10: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
72	10,413	0.239	0	0.000
73	36,865	0.846	23,639	0.543
74	71,402	1.639	77,773	1.785
75	175,136	4.021	201,042	4.615
76	264,973	6.083	421,096	9.667
77	329,196	7.557	718,181	16.487
78	393,305	9.029	1,079,432	24.780
79	470,130	10.793	1,511,149	34.691

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-11: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
81	2,057	0.047	0	0.000
82	8,353	0.192	5,205	0.119
83	17,062	0.392	17,912	0.411
84	30,655	0.704	41,771	0.959

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-12: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
82	15,052	0.346	0	0.000
83	86,461	1.985	50,757	1.165
84	144,057	3.307	166,016	3.811

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-13: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
80	628	0.014	0	0.000
81	1,041	0.024	835	0.019
82	1,386	0.032	2,048	0.047
83	1,742	0.040	3,612	0.083
84	2,052	0.047	5,509	0.126
85	2,348	0.054	7,709	0.177
86	2,643	0.061	10,204	0.234
87	2,956	0.068	13,004	0.299
88	3,380	0.078	16,172	0.371
89	5,298	0.122	20,510	0.471

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-14: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
75	109	0.003	0	0.000
76	1,638	0.038	874	0.020
77	4,716	0.108	4,051	0.093
78	8,035	0.184	10,426	0.239
79	12,107	0.278	20,497	0.471
80	15,794	0.363	34,448	0.791
81	19,532	0.448	52,111	1.196
82	23,895	0.549	73,825	1.695
83	29,107	0.668	100,326	2.303
84	37,030	0.850	133,394	3.062

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-15: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
83	1,352	0.031	0	0.000
84	54,056	1.241	27,704	0.636
84.75	126,937	2.914	95,576	2.194

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-1: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
84	4830.5325	0.1109	0	0.000
85	14670.911	0.3368	9750.72165	0.224
86	36120.634	0.8292	35146.4942	0.807

Required WQTV =	**20163.09**	**cf**
	0.46	ac-ft
WQTV Elevation =	**85.28**	**ft**
Perimeter 1	1032.00	ft
Perimeter 2	1200.00	ft
Perimeter 3	1201.00	ft
Infiltration Area =	36,121	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-2: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
40	675	0.016	0	0.000
41	927	0.021	801	0.018
42	1,145	0.026	1,837	0.042
43	1,389	0.032	3,104	0.071
44	1,629	0.037	4,613	0.106
45	1,860	0.043	6,357	0.146
46	2,098	0.048	8,336	0.191
47	2,402	0.055	10,586	0.243
48	2,665	0.061	13,120	0.301
49	2,937	0.067	15,921	0.365
50	3,225	0.074	19,002	0.436
51	3,500	0.080	22,365	0.513
52	3,782	0.087	26,005	0.597
53	4,100	0.094	29,946	0.687
54	4,458	0.102	34,225	0.786
55	4,818	0.111	38,863	0.892
56	5,174	0.119	43,858	1.007
57	5,531	0.127	49,210	1.130
58	5,869	0.135	54,910	1.261
59	6,222	0.143	60,956	1.399
60	6,620	0.152	67,377	1.547
61	7,017	0.161	74,195	1.703
62	7,422	0.170	81,415	1.869
63	7,859	0.180	89,055	2.044
64	8,316	0.191	97,143	2.230
65	8,766	0.201	105,684	2.426
66	9,222	0.212	114,678	2.633
67	9,674	0.222	124,126	2.850
68	10,111	0.232	134,018	3.077
69	10,569	0.243	144,359	3.314
70	11,054	0.254	155,171	3.562
71	11,589	0.266	166,492	3.822
72	12,176	0.280	178,375	4.095
73	12,782	0.293	190,854	4.381
74	13,248	0.304	203,869	4.680
75	14,216	0.326	217,601	4.995
76	15,212	0.349	232,316	5.333
77	16,403	0.377	248,123	5.696
78	17,823	0.409	265,236	6.089
79	19,274	0.442	283,784	6.515
80	20,884	0.479	303,863	6.976
81	22,949	0.527	325,780	7.479
82	26,133	0.600	350,320	8.042
83	55,453	1.273	391,113	8.979
84	81,209	1.864	459,444	10.547
84.25	134,643	3.091	486,425	11.167

Required WQTV =	**63806.86**	**cf**
	1.46	ac-ft
WQTV Elevation =	**59.49**	**ft**
Perimeter 1	1359.00	ft
Perimeter 2	1475.00	ft
Perimeter 3	1476.00	ft
Infiltration Area =	81,209	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-3: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
80	105791.98	2.4286	0	0.000
82	253491.48	5.8194	359283.457	8.248
84	432873.92	9.9374	1045648.852	24.005
86	673176.04	15.4540	2151698.81	49.396
88	955403.4	21.9330	3780278.247	86.783

Required WQTV =	**342684.83**	**cf**
	7.87	ac-ft
WQTV Elevation =	**81.53**	**ft**
Perimeter 1	3996.00	ft
Perimeter 2	4130.00	ft
Perimeter 3	4131.00	ft
Infiltration Area =	955,403	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-4: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
85	195349.8	4.4846	0	0.000
86	213876.57	4.9099	204613.1864	4.697
87	233050.69	5.3501	428076.8183	9.827

Required WQTV =	**142220.28**	**cf**
	3.26	ac-ft
WQTV Elevation =	**85.68**	**ft**
Perimeter 1	1950.00	ft
Perimeter 2	2261.00	ft
Perimeter 3	2262.00	ft
Infiltration Area =	233,051	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-5: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
87	478908.84	10.9942	0	0.000
88	520598.61	11.9513	499753.7235	11.473
89	574086.98	13.1792	1047096.519	24.038

Required WQTV =	**393422.09**	**cf**
	9.03	ac-ft
WQTV Elevation =	**87.77**	**ft**
Perimeter 1	4353.00	ft
Perimeter 2	4428.39	ft
Perimeter 3	4429.39	ft
Infiltration Area =	574,087	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-6: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
85	383021.18	8.7930	0	0.000
86	409120.72	9.3921	396070.949	9.093
87	436197.78	10.0137	818730.1997	18.795

Required WQTV =	**112046.34**	**cf**
	2.57	ac-ft
WQTV Elevation =	**85.28**	**ft**
Perimeter 1	2747.00	ft
Perimeter 2	2977.00	ft
Perimeter 3	2978.00	ft
Infiltration Area =	436,198	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-7: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
78	310970.24	7.1389	0	0.000
79	333259.93	7.6506	322115.0838	7.395
80	369527.19	8.4832	673508.6431	15.462

Required WQTV =	**215287.86**	**cf**
	4.94	ac-ft
WQTV Elevation =	**78.65**	**ft**
Perimeter 1	2492.00	ft
Perimeter 2	2700.00	ft
Perimeter 3	2701.00	ft
Infiltration Area =	369,527	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-8: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
86	26700.802	0.6130	0	0.000
87	62466.168	1.4340	44583.48505	1.023

Required WQTV =	**21899.97**	**cf**
	0.50	ac
WQTV Elevation =	**86.00**	**ft**
Perimeter 1	1157.00	ft
Perimeter 2	1300.00	ft
Perimeter 3	1301.00	ft
Infiltration Area =	62,466	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-9: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
77	152005.89	3.4896	0	0.000
78	167010.65	3.8340	159508.2703	3.662
79	182657.86	4.1932	334342.5254	7.675

Required WQTV =	**78429.10**	**cf**
	1.80	ac
WQTV Elevation =	**77.48**	**ft**
Perimeter 1	1596.52	ft
Perimeter 2	1910.00	ft
Perimeter 3	1911.00	ft
Infiltration Area =	182,658	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-10: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
72	10,413	0.239	0	0.000
73	36,865	0.846	23,639	0.543
74	71,402	1.639	77,773	1.785
75	175,136	4.021	201,042	4.615
76	264,973	6.083	421,096	9.667
77	329,196	7.557	718,181	16.487
78	393,305	9.029	1,079,432	24.780
79	470,130	10.793	1,511,149	34.691

Required WQTV =	**167430.25**	**cf**
	3.84	ac
WQTV Elevation =	**76.27**	**ft**
Perimeter 1	3371.00	ft
Perimeter 2	3373.00	ft
Perimeter 3	3374.00	ft
Infiltration Area =	470,130	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-11: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
81	2057.4433	0.0472	0	0.000
82	8352.6237	0.1917	5205.0335	0.119
83	17061.562	0.3917	17912.12635	0.411
84	30655.421	0.7038	41770.6177	0.959

Required WQTV =	**8222.94**	**cf**
	0.19	ac
WQTV Elevation =	**82.05**	**ft**
Perimeter 1	727.00	ft
Perimeter 2	1000.00	ft
Perimeter 3	1001.00	ft
Infiltration Area =	30,655	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-12: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
82	15,052	0.346	0	0.000
83	86,461	1.985	50,757	1.165
84	144,057	3.307	166,016	3.811

Required WQTV =	**39112.35**	**cf**
	0.90	ac
WQTV Elevation =	**82.77**	**ft**
Perimeter 1	910.00	ft
Perimeter 2	1100.00	ft
Perimeter 3	1101.00	ft
Infiltration Area =	86,461	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-13: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
80	628	0.0144	0	0.000
81	1041	0.0239	834.5	0.019
82	1386	0.0318	2048	0.047
83	1742	0.0400	3612	0.083
84	2052	0.0471	5509	0.126
85	2347.6	0.0539	7708.8	0.177
86	2643	0.0607	10204.1	0.234
87	2956	0.0679	13003.6	0.299
88	3379.8	0.0776	16171.5	0.371
89	5298.07	0.1216	20510.435	0.471

Required WQTV =	**20748.79**	**cf**
	0.48	ac
WQTV Elevation =	**89.05**	**ft**
Perimeter 1	324.00	ft
Perimeter 2	600.00	ft
Perimeter 3	601.00	ft
Infiltration Area =	5,298	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-14: Stage-Storage Relationship

ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
75	109.4948	0.0025	0	0.000
76	1638.242	0.0376	873.8684	0.020
77	4715.9883	0.1083	4050.98355	0.093
78	8034.8709	0.1845	10426.41315	0.239
79	12106.61	0.2779	20497.15365	0.471
80	15794.417	0.3626	34447.66725	0.791
81	19532.332	0.4484	52111.04175	1.196
82	23895.416	0.5486	73824.9155	1.695
83	29107.045	0.6682	100326.146	2.303
84	37029.62	0.8501	133394.4788	3.062

Required WQTV =	**8938.53**	**cf**
	0.21	ac
WQTV Elevation =	**77.77**	**ft**
Perimeter 1	727.00	ft
Perimeter 2	1000.00	ft
Perimeter 3	1001.00	ft
Infiltration Area =	37,030	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-15: Stage-Storage Relationship

ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
83	1352	0.0310	0	0.000
84	54055.86	1.2410	27703.93	0.636
84.75	126938.2	2.9141	95576.701	2.194

Required WQTV =	**34227.10**	**cf**
	0.79	ac
WQTV Elevation =	**84.24**	**ft**
Perimeter 1	1361.00	ft
Perimeter 2	1500.00	ft
Perimeter 3	1501.00	ft
Infiltration Area =	54,056	sf

Project Number:
Project Name:
Calculated by:
Checked by:
Date: 1/10/2024

WATER QUALITY CALCULATIONS

BASIN-1

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	10.69	0.20	2.14
TOTAL IMPERVIOUS AREA	0.67	0.95	0.64
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.24
i (inches) =	2.00
A (ac.) =	11.36

Required WQTV = 20,163 cf

BASIN-2

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	26.23	0.20	5.25
TOTAL IMPERVIOUS AREA	3.73	0.95	3.54
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.29
i (inches) =	2.00
A (ac.) =	29.96

Required WQTV = 63,807 cf

BASIN-3

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	77.36	0.20	15.47
TOTAL IMPERVIOUS AREA	33.40	0.95	31.73
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.43
i (inches) =	2.00
A (ac.) =	110.76

Required WQTV = 342,685 cf

Professional Consultants

Project Number:
Project Name:
Calculated by:
Checked by:
Date: 1/10/2024

BASIN-4

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	18.16	0.20	3.63
TOTAL IMPERVIOUS AREA	16.80	0.95	15.96
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.56
i (inches) =	2.00
A (ac.) =	34.95

Required WQTV = 142,220 cf

BASIN-5

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	115.64	0.20	23.13
TOTAL IMPERVIOUS AREA	32.70	0.95	31.06
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.37
i (inches) =	2.00
A (ac.) =	148.33

Required WQTV = 393,422 cf

BASIN-6

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	22.23	0.20	4.45
TOTAL IMPERVIOUS AREA	11.57	0.95	10.99
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.46
i (inches) =	2.00
A (ac.) =	33.79

Required WQTV = 112,046 cf

Project Number:
Project Name:
Calculated by:
Checked by:
Date: 1/10/2024

BASIN-7

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	64.73	0.20	12.95
TOTAL IMPERVIOUS AREA	17.59	0.95	16.71
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.36
i (inches) =	2.00
A (ac.) =	82.31

Required WQTV = 215,288 cf

BASIN-8

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	9.28	0.20	1.86
TOTAL IMPERVIOUS AREA	1.22	0.95	1.16
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.29
i (inches) =	2.00
A (ac.) =	10.50

Required WQTV = 21,900 cf

BASIN-9

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	28.18	0.20	5.64
TOTAL IMPERVIOUS AREA	5.44	0.95	5.17
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.32
i (inches) =	2.00
A (ac.) =	33.62

Required WQTV = 78,429 cf

Project Number:
Project Name:
Calculated by:
Checked by:
Date: 1/10/2024

BASIN-10

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	36.66	0.20	7.33
TOTAL IMPERVIOUS AREA	16.56	0.95	15.73
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.43
i (inches) =	2.00
A (ac.) =	53.22

Required WQTV = 167,430 cf

BASIN-11

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	3.84	0.20	0.77
TOTAL IMPERVIOUS AREA	0.38	0.95	0.36
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.27
i (inches) =	2.00
A (ac.) =	4.23

Required WQTV = 8,223 cf

BASIN-12

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	8.08	0.20	1.62
TOTAL IMPERVIOUS AREA	3.97	0.95	3.77
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.45
i (inches) =	2.00
A (ac.) =	12.05

Required WQTV = 39,112 cf

Professional Consultants

Project Number:
Project Name:
Calculated by:
Checked by:
Date: 1/10/2024

BASIN-13

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	13.13	0.20	2.63
TOTAL IMPERVIOUS AREA	0.24	0.95	0.23
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.21
i (inches) =	2.00
A (ac.) =	13.38

Required WQTV = 20,749 cf

BASIN-14

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	2.71	0.20	0.54
TOTAL IMPERVIOUS AREA	0.73	0.95	0.69
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.36
i (inches) =	2.00
A (ac.) =	3.44

Required WQTV = 8,939 cf

BASIN-15

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	11.11	0.20	2.22
TOTAL IMPERVIOUS AREA	2.62	0.95	2.49
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.34
i (inches) =	2.00
A (ac.) =	13.74

Required WQTV = 34,227 cf

CHW
Professional Consultants

Project Number: 21-0275
Project Name: Pleasant Solar
Calculated by: NRC
Checked by: TJH
Date: 7/20/2023

Project No.

	SHEET FLOW					SHALLOW CONCENTRATED FLOW					CHANNEL / PIPE FLOW							
BASIN	Manning's n (--)	Flow Length L (ft)	2-Year 24-Hour Rain, P2 (in)	Land Slope s (ft/ft)	Tt1 (hr)	Paved or Unpvd. (P or U)	Flow Length L (ft)	Water-course Slope, s (ft/ft)	Avg. Velocity V (ft/s)	Tt2 (hr)	Cross-Section Area, a (ft^2)	Wetted Perim. Pw (ft)	Hydraulic Radius r (ft)	Pipe Slope s (ft/ft)	Manning n (--)	Avg. Velocity V (ft/s)	Flow Length L (ft)	Tt3 (hr)
1	0.4	100	4.30	0.021	**0.303**	U	700	0.021	0.83	**0.24**	-	-	-	-	-	-	0	**-**
2	0.15	100	4.30	0.008	**0.203**	U	1584	0.034	2.99	**0.15**	-	-	-	-	-	-	0	**-**
3	0.15	100	4.30	0.005	**0.245**	U	2410	0.029	2.73	**0.25**	-	-	-	-	-	-	0	**-**
4	0.15	100	4.30	0.007	**0.214**	U	1897	0.035	3.02	**0.17**	-	-	-	-	-	-	0	**-**
5	0.15	100	4.30	0.005	**0.249**	U	1255	0.003	0.91	**0.38**	-	-	-	-	-	-	0	**-**
6	0.15	100	4.30	0.021	**0.138**	U	1530	0.009	1.57	**0.27**	-	-	-	-	-	-	0	**-**
7	0.15	100	4.30	0.007	**0.214**	U	2019	0.010	1.64	**0.34**	-	-	-	-	-	-	0	**-**
8	0.15	100	4.30	0.009	**0.194**	U	496	0.007	1.37	**0.10**	-	-	-	-	-	-	0	**-**
9	0.15	100	4.30	0.007	**0.214**	U	1047	0.014	1.92	**0.15**	-	-	-	-	-	-	0	**-**
10	0.15	100	4.30	0.007	**0.214**	U	1888	0.011	1.73	**0.30**	-	-	-	-	-	-	0	**-**
11	0.15	100	4.30	0.019	**0.144**	U	460	0.015	2.00	**0.06**	-	-	-	-	-	-	0	**-**
12	0.15	100	4.30	0.010	**0.186**	U	563	0.013	1.86	**0.08**	-	-	-	-	-	-	0	**-**
13	0.15	100	4.30	0.008	**0.203**	U	1320	0.016	2.04	**0.18**	-	-	-	-	-	-	0	**-**
14	0.15	100	4.30	0.010	**0.186**	U	236	0.039	3.20	**0.02**	-	-	-	-	-	-	0	**-**
15	0.15	100	4.30	0.010	**0.186**	U	450	0.016	2.04	**0.06**	-	-	-	-	-	-	0	**-**

SHEET FLOW:

$$Tt = \frac{0.007\ (nL)^{0.8}}{(P2)^{0.5} s^{0.4}}$$

SHALLOW CONCENTRATED FLOW:

1. For slopes < 0.005 ft/ft
   - Unpaved $V = 16.1345\ s^{0.5}$
   - Paved $V = 20.3282\ s^{0.5}$

2. For slopes > 0.005 ft/ft
   Velocity per Figure 3-1, TR-55

$$Tt = \frac{L}{3600\ V}$$

CHANNEL/PIPE FLOW:

$$V = \frac{1.49 r^{2/3} s^{1/2}}{n}$$

$$Tt = \frac{L}{3600\ V}$$

ID #	Tc (hr)	Tc (min)
1	**0.54**	32
2	**0.35**	21
3	**0.49**	29
4	**0.39**	23
5	**0.63**	38
6	**0.41**	25
7	**0.56**	33
8	**0.29**	18
9	**0.37**	22
10	**0.52**	31
11	**0.21**	12
12	**0.27**	16
13	**0.38**	23
14	**0.21**	12
15	**0.25**	15

Project Number: 21-0275
Project Name: Pleasant Solar LLC
Calculated by: NRC
Checked by: TJH
Date: 3/6/2024

Pipe Calculations

Structure No.		Invert Elev.		Length	Slope	Dia.	C	Tc	i	A	A	Q (cfs) Actual		Q Full	Pipe A	V - Full Flow	Pipe R	Minor Loss	Minor Loss	Loss	HGL		ToG/ EoP	F.B.
From	To	U.S.	D.S.	(ft)	(ft/foot)	(in)		(min)	(in/hr)	(sf)	(ac)	Inc	Cumul	(cfs)	(sq-ft)	(fps)	(ft)	Coeff.	(ft)	(ft)	U.S.	D.S.		(in)
MES-1	MES-2	89.00	87.00	109	0.0183	18	0.95	10	6.1	16,732	0.38	2.2	2.2	15.38	1.8	8.7	0.38	0.5	0.01	0.04	89.05	89.00	89.55	6
MES-3	MES-4	95.00	93.00	84	0.0239	18	0.95	10	6.1	10645	0.24	1.4	1.4	17.59	1.8	10.0	0.38	0.5	0.00	0.01	95.02	95.00	95.26	3

Notes

1. ToG = Top of Grate/EoP = Edge of Pavement; the lowest elevation of adjacent pavement
2. FB = Free Board
3. Rainfall intensity is based on the FDOT Zone 7 Rainfall Intensity-Duration-Frequency curve for the 3 YR - 10 min storm event (6.1 inches/hr)
4. The tailwater condition in the pond was set at crown for the proposed pipe
5. MES-1 and MES-2 are located at the main entrance on Peggy Road. MES-3 and MES-4 are located at the cemetary entrance on CR235A

==========
==== Basins ==========
==========

Name: WTRSHD-1 Node: BASIN-1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 32.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
8.060	4.180	4.18	4.760	51.140	0.417	4.170
2.360	0.000	0.00	1.940	23.010	0.417	4.170
0.930	0.000	0.00	4.690	20.480	0.402	5.590

Name: WTRSHD-10 Node: BASIN-10 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 31.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
42.490	17.790	17.79	1.940	23.010	0.417	4.170
5.260	0.000	0.00	4.690	20.480	0.402	5.590
0.200	0.000	0.00	2.560	8.980	0.412	8.740
4.880	0.220	0.00	3.220	9.240	0.412	8.740
0.390	2.120	2.12	1.940	22.770	0.417	4.170

Name: WTRSHD-11 Node: BASIN-11 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 12.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
3.500	0.050	0.05	1.940	23.010	0.417	4.170
0.730	0.000	0.00	4.690	20.480	0.402	5.590

```
-------------------------------------------------------------------------------------------------
         Name: WTRSHD-12               Node: BASIN-12              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 16.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
4.010           0.000           0.00            1.940           23.010          0.417           4.170
7.010           28.330          28.33           4.690           20.480          0.402           5.590
1.040           0.000           0.00            4.760           51.140          0.417           4.170


-------------------------------------------------------------------------------------------------
         Name: WTRSHD-13               Node: BASIN-13              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 23.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
12.310          0.990           0.99            1.940           23.010          0.417           4.170
1.070           0.000           0.00            3.220           9.240           0.412           8.740


-------------------------------------------------------------------------------------------------
         Name: WTRSHD-14               Node: BASIN-14              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 12.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
3.440           10.550          10.55           4.690           20.480          0.402           5.590


-------------------------------------------------------------------------------------------------
         Name: WTRSHD-15               Node: BASIN-15              Status: Onsite
```

Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 15.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
9.220	0.130	0.13	1.940	23.010	0.417	4.170
4.520	0.000	0.00	3.220	9.240	0.412	8.740

Name: WTRSHD-2 Node: BASIN-2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 21.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
18.820	0.410	0.41	1.940	23.010	0.417	4.170
5.130	34.870	34.87	4.690	20.480	0.402	5.590
5.310	0.000	0.00	3.220	9.240	0.412	8.740
0.700	0.000	0.00	4.760	51.140	0.417	4.170

Name: WTRSHD-3 Node: BASIN-3 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 29.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
79.770	20.250	19.37	1.940	23.010	0.417	4.170
0.630	0.000	0.00	4.690	20.480	0.402	5.590
21.440	5.220	0.00	3.220	9.240	0.412	8.740
8.400	5.500	0.00	4.660	4.320	0.402	5.590
0.510	0.000	0.00	1.770	11.030	0.412	8.740

Name: WTRSHD-4 Node: BASIN-4 Status: Onsite

Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 23.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
25.460	8.840	8.84	1.940	23.010	0.417	4.170
3.130	0.000	0.00	4.690	20.480	0.402	5.590
0.380	0.000	0.00	4.760	24.700	0.417	4.170
2.570	26.170	0.00	3.220	9.240	0.412	8.740
3.410	4.230	0.00	4.660	4.320	0.402	5.590
0.020	0.000	0.00	6.560	25.840	0.417	4.170

Name: WTRSHD-5 Node: BASIN-5 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 38.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
17.480	11.330	10.18	1.940	23.010	0.417	4.170
73.300	13.410	9.34	4.760	24.700	0.417	4.170
5.390	0.000	0.00	4.690	20.480	0.402	5.590
5.370	5.900	0.00	2.560	8.980	0.412	8.740
4.480	0.000	0.00	3.220	9.240	0.412	8.740
0.600	5.730	0.00	4.660	4.320	0.402	5.590
13.740	33.770	33.15	6.560	25.840	0.417	4.170
16.700	8.740	0.00	1.940	22.770	0.417	4.170
9.210	2.300	0.00	1.150	1.440	0.330	17.680
2.070	0.000	0.00	4.560	4.730	0.402	5.590

Name: WTRSHD-6 Node: BASIN-6 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 25.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)

16.710	10.890	10.89	1.940	23.010	0.417	4.170
1.200	0.000	0.00	4.760	24.700	0.417	4.170
2.880	85.940	85.94	4.690	20.480	0.402	5.590
0.360	0.000	0.00	3.220	9.240	0.412	8.740
11.570	6.140	6.14	6.560	25.840	0.417	4.170
1.070	0.000	0.00	1.940	22.770	0.417	4.170

Name: WTRSHD-7 Node: BASIN-7 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 33.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
21.580	10.250	3.98	1.940	23.010	0.417	4.170
44.420	13.330	8.11	4.760	24.700	0.417	4.170
3.600	6.070	0.00	3.220	9.240	0.412	8.740
11.300	21.110	20.15	6.560	25.840	0.417	4.170
1.410	0.000	0.00	1.940	22.770	0.417	4.170

Name: WTRSHD-8 Node: BASIN-8 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 18.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
5.340	5.120	5.12	1.940	23.010	0.417	4.170
2.870	11.740	11.74	4.760	24.700	0.417	4.170
2.280	0.000	0.00	1.940	22.770	0.417	4.170

Name: WTRSHD-9 Node: BASIN-9 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
18.780	1.080	0.51	1.940	23.010	0.417	4.170
0.050	0.000	0.00	4.760	24.700	0.417	4.170
7.130	21.350	21.03	2.560	8.980	0.412	8.740
2.850	0.910	0.00	3.220	9.240	0.412	8.740
4.800	16.660	16.66	1.940	22.770	0.417	4.170

==========
==== Nodes ==========
==========

Name: BASIN-1 Base Flow(cfs): 0.000 Init Stage(ft): 84.000
Group: BASE Warn Stage(ft): 86.000
Type: Stage/Area

Stage(ft)	Area(ac)
84.000	0.1109
85.000	0.3368
86.000	0.8292

Name: BASIN-10 Base Flow(cfs): 0.000 Init Stage(ft): 72.000
Group: BASE Warn Stage(ft): 79.000
Type: Stage/Area

Stage(ft)	Area(ac)
72.000	0.2390
73.000	0.8463
74.000	1.6392
75.000	4.0206
76.000	6.0829
77.000	7.5573
78.000	9.0290
79.000	10.7927

Name: BASIN-11 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.0472
82.000	0.1917

83.000	0.3917
84.000	0.7038

Name: BASIN-12 Base Flow(cfs): 0.000 Init Stage(ft): 82.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
82.000	0.3455
83.000	1.9849
84.000	3.3071

Name: BASIN-13 Base Flow(cfs): 0.000 Init Stage(ft): 80.000
Group: BASE Warn Stage(ft): 89.000
Type: Stage/Area

Stage(ft)	Area(ac)
80.000	0.0144
81.000	0.0239
82.000	0.0318
83.000	0.0400
84.000	0.0471
85.000	0.0539
86.000	0.0607
87.000	0.0679
88.000	0.0776
89.000	0.1216

Name: BASIN-14 Base Flow(cfs): 0.000 Init Stage(ft): 75.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
75.000	0.0025
76.000	0.0376
77.000	0.1083
78.000	0.1845
79.000	0.2779
80.000	0.3626
81.000	0.4484
82.000	0.5486
83.000	0.6682
84.000	0.8501

Name: BASIN-15 Base Flow(cfs): 0.000 Init Stage(ft): 83.000
Group: BASE Warn Stage(ft): 84.750
Type: Stage/Area

Stage(ft)	Area(ac)
83.000	0.6815
84.000	1.2410
84.750	2.9141

Name: BASIN-2 Base Flow(cfs): 0.000 Init Stage(ft): 40.000
Group: BASE Warn Stage(ft): 84.250
Type: Stage/Area

Stage(ft)	Area(ac)
40.000	0.0155
41.000	0.0213
42.000	0.0263
43.000	0.0319
44.000	0.0374
45.000	0.0427
46.000	0.0482
47.000	0.0551
48.000	0.0612
49.000	0.0674
50.000	0.0740
51.000	0.0803
52.000	0.0868
53.000	0.0941
54.000	0.1023
55.000	0.1106
56.000	0.1188
57.000	0.1270
58.000	0.1347
59.000	0.1428
60.000	0.1520
61.000	0.1611
62.000	0.1704
63.000	0.1804
64.000	0.1909
65.000	0.2012
66.000	0.2117
67.000	0.2221
68.000	0.2321
69.000	0.2426
70.000	0.2538
71.000	0.2660
72.000	0.2795
73.000	0.2934

74.000	0.3041
75.000	0.3264
76.000	0.3492
77.000	0.3766
78.000	0.4091
79.000	0.4425
80.000	0.4794
81.000	0.5268
82.000	0.7267
83.000	1.2730
84.000	2.5460
84.250	3.0910

Name: BASIN-3 Base Flow(cfs): 0.000 Init Stage(ft): 80.000
Group: BASE Warn Stage(ft): 88.000
Type: Stage/Area

Stage(ft)	Area(ac)
80.000	2.4286
82.000	5.8194
84.000	9.9374
86.000	15.4540
88.000	21.9330

Name: BASIN-4 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.1760
82.000	0.6051
83.000	1.4342
84.000	2.2497
85.000	3.1649
86.000	4.1929
87.000	5.4051

Name: BASIN-5 Base Flow(cfs): 0.000 Init Stage(ft): 85.000
Group: BASE Warn Stage(ft): 89.000
Type: Stage/Area

Stage(ft)	Area(ac)
85.000	0.6660
86.000	1.5030

87.000	3.3820
88.000	8.0600
89.000	13.1790

Name: BASIN-6 Base Flow(cfs): 0.000 Init Stage(ft): 82.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
82.000	0.3450
83.000	0.8656
84.000	1.5245
85.000	2.4848
86.000	5.0058
87.000	9.4975

Name: BASIN-7 Base Flow(cfs): 0.000 Init Stage(ft): 75.000
Group: BASE Warn Stage(ft): 80.000
Type: Stage/Area

Stage(ft)	Area(ac)
75.000	0.3772
76.000	2.0309
77.000	3.4335
78.000	4.9182
79.000	6.7378
80.000	8.4832

Name: BASIN-8 Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
86.000	0.6130
87.000	1.4340

Name: BASIN-9 Base Flow(cfs): 0.000 Init Stage(ft): 72.000
Group: BASE Warn Stage(ft): 79.750
Type: Stage/Area

Stage(ft)	Area(ac)

72.000	0.0202
73.000	0.1031
74.000	0.3365
75.000	0.9440
76.000	1.5920
77.000	2.3962
78.000	3.0937
79.000	4.0031
79.750	4.9064

Name: GROUND Base Flow(cfs): 0.000 Init Stage(ft): 12.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	12.000
99999.00	12.000

Name: OUTFALL-8 Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	86.000
9999.00	86.000

Cross Sections

Name: WEIR-15 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	85.000	0.150000
5.843	84.930	0.150000
13.189	84.730	0.150000
16.834	84.820	0.150000
38.550	84.920	0.150000

Name: WEIR-2 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	84.510	0.150000
6.644	84.450	0.150000
12.506	84.500	0.150000

Name: WEIR-5 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	89.500	0.150000
25.355	89.260	0.150000
48.181	89.130	0.150000
71.919	89.180	0.150000
120.634	89.370	0.150000

Name: WEIR-6 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	87.160	0.150000
10.469	87.110	0.150000
18.933	87.120	0.150000
37.974	87.160	0.150000
42.827	87.180	0.150000

==========

Pipes

==========

Name: PIPE-8 From Node: BASIN-8 Length(ft): 58.47
Group: BASE To Node: OUTFALL-8 Count: 1
Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: 0.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry:	Vert Ellipse	Vert Ellipse
Span(in):	14.00	14.00
Rise(in):	22.00	22.00
Invert(ft):	83.970	83.840
Manning's N:	0.011000	0.011000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

Upstream FHWA Inlet Edge Description:
Vertical Ellipse Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Vertical Ellipse Concrete: Square edge w/ headwall

==========
==== Weirs ==========
==========

Name: WEIR-13 From Node: BASIN-13
Group: BASE To Node: BASIN-2
Flow: Both Count: 1
Type: Vertical: Fread Geometry: Trapezoidal

Bottom Width(ft): 100.00
Left Side Slope(h/v): 5.00
Right Side Slope(h/v): 5.00
Invert(ft): 88.900
Control Elevation(ft): 88.900
Struct Opening Dim(ft): 9999.00
TABLE
Bottom Clip(ft): 0.000
Top Clip(ft): 0.000
Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600

Name: WEIR-15 From Node: BASIN-15
Group: BASE To Node: BASIN-10
Flow: Both Count: 1
Type: Vertical: Fread Geometry: Irregular

XSec: WEIR-15
Invert(ft): 84.730
Control Elevation(ft): 84.730
Struct Opening Dim(ft): 9999.00
TABLE
Bottom Clip(ft): 0.000
Top Clip(ft): 0.000
Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600

Name: WEIR-2 From Node: BASIN-2
Group: BASE To Node: BASIN-12
Flow: Both Count: 1
Type: Vertical: Fread Geometry: Irregular

XSec: WEIR-2
Invert(ft): 84.450
Control Elevation(ft): 84.450

```
      Struct Opening Dim(ft): 9999.00
                                        TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
         Name: WEIR-5              From Node: BASIN-5
        Group: BASE                  To Node: BASIN-6
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: WEIR-5
                  Invert(ft): 89.080
       Control Elevation(ft): 89.080
      Struct Opening Dim(ft): 9999.00
                                        TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
         Name: WEIR-6              From Node: BASIN-6
        Group: BASE                  To Node: BASIN-9
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: WEIR-6
                  Invert(ft): 87.110
       Control Elevation(ft): 87.110
      Struct Opening Dim(ft): 9999.00
                                        TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



================================================================================
==== Percolation Links =========================================================
================================================================================

         Name: PERC-1              From Node: BASIN-1                Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1032.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1200.000
```

```
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 1201.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
             Suction Head(in): 4.170                    Num Cells 2 to 3: 50
         Layer Thickness(ft): 39.000



-------------------------------------------------------------------------------------------------
         Name: PERC-10            From Node: BASIN-10               Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                      Perimeter 1(ft): 3371.000
        Water Table Elev(ft): 45.000                     Perimeter 2(ft): 3373.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 3374.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
             Suction Head(in): 4.170                    Num Cells 2 to 3: 50
         Layer Thickness(ft): 27.000



-------------------------------------------------------------------------------------------------
         Name: PERC-11            From Node: BASIN-11               Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                      Perimeter 1(ft): 727.000
        Water Table Elev(ft): 45.000                     Perimeter 2(ft): 1000.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 1001.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
             Suction Head(in): 4.170                    Num Cells 2 to 3: 50
         Layer Thickness(ft): 36.000



-------------------------------------------------------------------------------------------------
         Name: PERC-12            From Node: BASIN-12               Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                      Perimeter 1(ft): 1401.000
        Water Table Elev(ft): 45.000                     Perimeter 2(ft): 1700.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 1701.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
```

```
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
          Layer Thickness(ft): 37.000


-------------------------------------------------------------------------------------------------
         Name: PERC-13             From Node: BASIN-13               Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 324.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 600.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 601.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
          Layer Thickness(ft): 35.000


-------------------------------------------------------------------------------------------------
         Name: PERC-14             From Node: BASIN-14               Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 910.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1100.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1101.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
          Layer Thickness(ft): 30.000


-------------------------------------------------------------------------------------------------
         Name: PERC-15             From Node: BASIN-15               Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 1361.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1500.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1501.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
```

```
           Suction Head(in): 4.170                       Num Cells 2 to 3: 50
         Layer Thickness(ft): 38.000



-------------------------------------------------------------------------------------------------
         Name: PERC-2              From Node: BASIN-2                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1359.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1475.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 1476.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                       Num Cells 2 to 3: 50
         Layer Thickness(ft): 0.000



-------------------------------------------------------------------------------------------------
         Name: PERC-3              From Node: BASIN-3                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 3996.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 4130.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 4131.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                       Num Cells 2 to 3: 50
         Layer Thickness(ft): 35.000



-------------------------------------------------------------------------------------------------
         Name: PERC-4              From Node: BASIN-4                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 2000.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 2250.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 2251.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                       Num Cells 2 to 3: 50
         Layer Thickness(ft): 36.000
```

```
-----------------------------------------------------------------------------------------------------
         Name: PERC-5              From Node: BASIN-5                  Flow: Positive
        Group: BASE                  To Node: GROUND                  Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                         Perimeter 1(ft): 4966.000
        Water Table Elev(ft): 45.000                        Perimeter 2(ft): 4967.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 4968.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
            Suction Head(in): 4.170                        Num Cells 2 to 3: 50
         Layer Thickness(ft): 25.000


-----------------------------------------------------------------------------------------------------
         Name: PERC-6              From Node: BASIN-6                  Flow: Positive
        Group: BASE                  To Node: GROUND                  Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                         Perimeter 1(ft): 3652.000
        Water Table Elev(ft): 45.000                        Perimeter 2(ft): 3653.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 3654.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
            Suction Head(in): 4.170                        Num Cells 2 to 3: 50
         Layer Thickness(ft): 37.000


-----------------------------------------------------------------------------------------------------
         Name: PERC-7              From Node: BASIN-7                  Flow: Positive
        Group: BASE                  To Node: GROUND                  Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                         Perimeter 1(ft): 2492.000
        Water Table Elev(ft): 45.000                        Perimeter 2(ft): 2700.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 2701.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
            Suction Head(in): 4.170                        Num Cells 2 to 3: 50
         Layer Thickness(ft): 30.000
```

```
-------------------------------------------------------------------------------------------------
         Name: PERC-8              From Node: BASIN-8                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1157.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1300.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 1301.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 41.000



-------------------------------------------------------------------------------------------------
         Name: PERC-9              From Node: BASIN-9                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 2240.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 2241.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 2242.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 27.000



=================================================================================================
==== Hydrology Simulations =====================================================================
=================================================================================================

         Name: 100YR1HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR1HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: Fdot-1
    Rainfall Amount(in): 4.40

Time(hrs)       Print Inc(min)
--------------- ---------------
721.000         5.00

-------------------------------------------------------------------------------------------------
         Name: 100YR24HR
```

```
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Fdot-24
    Rainfall Amount(in): 11.04

Time(hrs)       Print Inc(min)
--------------- ---------------
744.000         5.00

------------------------------------------------------------------------------------------------
         Name: 100YR2HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR2HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 2.00
          Rainfall File: Fdot-2
    Rainfall Amount(in): 5.40

Time(hrs)       Print Inc(min)
--------------- ---------------
722.000         5.00

------------------------------------------------------------------------------------------------
         Name: 100YR4HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR4HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 4.00
          Rainfall File: Fdot-4
    Rainfall Amount(in): 6.72

Time(hrs)       Print Inc(min)
--------------- ---------------
724.000         5.00

------------------------------------------------------------------------------------------------
         Name: 100YR8HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR8HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 8.00
          Rainfall File: Fdot-8
    Rainfall Amount(in): 8.00

Time(hrs)       Print Inc(min)
--------------- ---------------
728.000         5.00

================================================================================
==== Routing Simulations ======================================================
================================================================================

         Name: 100YR1HR            Hydrology Sim: 100YR1HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR1HR.I32
```

```
     Execute: Yes         Restart: No            Patch: No
 Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 721.00
    Min Calc Time(sec): 0.5000               Max Calc Time(sec): 30.0000
       Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 100YR24HR           Hydrology Sim: 100YR24HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR24HR.I32

     Execute: Yes         Restart: No            Patch: No
 Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 744.00
    Min Calc Time(sec): 0.5000               Max Calc Time(sec): 30.0000
       Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
300.000         5.000
960.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 100YR2HR            Hydrology Sim: 100YR2HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR2HR.I32

     Execute: Yes         Restart: No            Patch: No
 Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 722.00
```

```
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 30.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 100YR4HR            Hydrology Sim: 100YR4HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR4HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 724.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 30.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
300.000         5.000
960.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 100YR8HR            Hydrology Sim: 100YR8HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR8HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 728.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 30.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
```

300.000	5.000
960.000	15.000

Group	Run
BASE	Yes

Alachua Solar Pre-Development 100-year, 1-hour Peak Stage

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR1HR	2.85	84.55	86.00	0.0007	10252	0.92	1.28	2.85	0.12
BASIN-10	BASE	100YR1HR	3.17	74.34	79.00	0.0021	106429	0.92	29.34	3.17	1.23
BASIN-11	BASE	100YR1HR	0.55	81.00	84.00	-0.0000	2056	0.67	0.01	0.67	0.01
BASIN-12	BASE	100YR1HR	1.84	82.69	84.00	0.0004	64094	0.75	11.14	1.84	0.74
BASIN-13	BASE	100YR1HR	2.62	81.80	89.00	0.0019	1317	0.83	0.57	2.62	0.02
BASIN-14	BASE	100YR1HR	1.67	77.26	84.00	0.0023	5581	0.67	2.34	1.67	0.06
BASIN-15	BASE	100YR1HR	1.50	83.00	84.75	0.0000	29686	0.67	0.07	0.67	0.07
BASIN-2	BASE	100YR1HR	2.00	51.29	84.25	0.0050	3581	0.75	9.18	1.23	1.45
BASIN-3	BASE	100YR1HR	3.07	81.57	88.00	0.0021	221658	0.83	74.81	3.07	2.57
BASIN-4	BASE	100YR1HR	2.53	82.80	87.00	0.0012	55295	0.75	17.38	2.53	0.64
BASIN-5	BASE	100YR1HR	3.68	87.49	89.00	0.0026	247364	1.00	61.54	3.68	2.86
BASIN-6	BASE	100YR1HR	2.74	83.91	87.00	0.0018	63722	0.83	22.31	2.74	0.74
BASIN-7	BASE	100YR1HR	3.23	76.40	80.00	0.0016	112827	0.92	25.14	3.23	1.31
BASIN-8	BASE	100YR1HR	0.93	86.05	87.00	-0.0008	28513	0.75	3.26	0.93	2.65
BASIN-9	BASE	100YR1HR	2.45	74.86	79.75	0.0022	37419	0.75	11.43	2.45	0.43

Alachua Solar Pre-Development 100-year, 2-hour Peak Stage

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR2HR	3.24	84.64	86.00	0.0008	11154	1.08	1.14	3.24	0.13
BASIN-10	BASE	100YR2HR	3.53	74.54	79.00	0.0019	127724	1.08	26.05	3.53	1.48
BASIN-11	BASE	100YR2HR	0.83	81.00	84.00	0.0000	2056	0.83	0.01	0.83	0.01
BASIN-12	BASE	100YR2HR	2.37	82.77	84.00	0.0003	69793	0.92	9.49	2.37	0.81
BASIN-13	BASE	100YR2HR	3.14	82.09	89.00	0.0018	1419	1.00	0.49	3.14	0.02
BASIN-14	BASE	100YR2HR	2.42	77.45	84.00	0.0018	6207	0.83	1.95	2.42	0.07
BASIN-15	BASE	100YR2HR	2.34	83.00	84.75	0.0000	29686	0.92	0.06	0.92	0.06
BASIN-2	BASE	100YR2HR	2.43	52.47	84.25	0.0050	3932	0.92	7.88	1.56	1.49
BASIN-3	BASE	100YR2HR	3.46	81.72	88.00	0.0021	232988	1.00	62.60	3.46	2.70
BASIN-4	BASE	100YR2HR	2.89	82.78	87.00	0.0008	54408	1.00	12.88	2.89	0.63
BASIN-5	BASE	100YR2HR	4.00	87.58	89.00	0.0022	265809	1.17	52.54	4.00	3.08
BASIN-6	BASE	100YR2HR	3.18	84.15	87.00	0.0016	72503	1.00	19.45	3.18	0.84
BASIN-7	BASE	100YR2HR	3.63	76.58	80.00	0.0017	123982	1.08	22.44	3.63	1.43
BASIN-8	BASE	100YR2HR	1.10	86.04	87.00	-0.0006	28119	0.92	2.78	1.10	2.38
BASIN-9	BASE	100YR2HR	2.91	75.05	79.75	0.0020	42528	0.92	9.84	2.91	0.49

Alachua Solar Pre-Development 100-year, 4-hour Peak Stage

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR4HR	4.73	84.74	86.00	0.0007	12107	2.58	0.90	4.73	0.14
BASIN-10	BASE	100YR4HR	5.03	74.76	79.00	0.0016	150404	2.58	20.49	5.03	1.74
BASIN-11	BASE	100YR4HR	3.88	81.00	84.00	0.0000	2056	2.08	0.01	2.08	0.01
BASIN-12	BASE	100YR4HR	4.06	82.85	84.00	0.0004	75961	2.08	6.28	4.06	0.88
BASIN-13	BASE	100YR4HR	4.79	82.44	89.00	0.0018	1542	2.25	0.35	4.79	0.02
BASIN-14	BASE	100YR4HR	4.18	77.67	84.00	0.0011	6938	2.08	1.20	4.18	0.08
BASIN-15	BASE	100YR4HR	3.88	83.00	84.75	0.0000	29686	2.08	0.04	2.08	0.04
BASIN-2	BASE	100YR4HR	4.08	53.79	84.25	0.0049	4382	2.17	5.56	3.00	1.51
BASIN-3	BASE	100YR4HR	5.03	81.89	88.00	0.0019	245520	2.50	42.86	5.03	2.84
BASIN-4	BASE	100YR4HR	4.52	82.77	87.00	0.0008	54025	2.25	6.70	4.52	0.63
BASIN-5	BASE	100YR4HR	5.58	87.83	89.00	0.0024	316663	2.67	40.49	5.58	3.67
BASIN-6	BASE	100YR4HR	4.78	84.41	87.00	0.0015	83465	2.50	14.26	4.78	0.97
BASIN-7	BASE	100YR4HR	5.13	76.79	80.00	0.0016	136585	2.58	17.92	5.13	1.58
BASIN-8	BASE	100YR4HR	2.40	86.02	87.00	-0.0006	27459	2.17	1.88	2.40	1.82
BASIN-9	BASE	100YR4HR	4.54	75.26	79.75	0.0016	48519	2.17	7.05	4.54	0.56

Alachua Solar Pre-Development 100-year, 8-hour Peak Stage

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR8HR	7.30	84.78	86.00	0.0007	12471	4.17	0.92	7.30	0.14
BASIN-10	BASE	100YR8HR	8.27	74.89	79.00	0.0014	163630	4.17	20.87	8.27	1.89
BASIN-11	BASE	100YR8HR	5.60	81.00	84.00	0.0000	2056	4.00	0.01	4.00	0.01
BASIN-12	BASE	100YR8HR	6.35	82.87	84.00	0.0004	77430	4.00	6.41	6.35	0.90
BASIN-13	BASE	100YR8HR	8.40	82.68	89.00	0.0018	1628	4.08	0.36	8.40	0.02
BASIN-14	BASE	100YR8HR	8.04	77.79	84.00	0.0023	7335	4.00	1.22	8.04	0.08
BASIN-15	BASE	100YR8HR	5.60	83.00	84.75	0.0000	29686	4.00	0.04	4.00	0.04
BASIN-2	BASE	100YR8HR	6.37	54.22	84.25	0.0050	4535	4.08	5.69	4.42	1.46
BASIN-3	BASE	100YR8HR	8.40	82.09	88.00	0.0018	261184	4.08	45.10	8.40	3.02
BASIN-4	BASE	100YR8HR	7.69	82.88	87.00	0.0008	58033	4.08	7.41	7.69	0.67
BASIN-5	BASE	100YR8HR	8.62	88.05	89.00	0.0022	361243	4.17	42.75	8.62	4.18
BASIN-6	BASE	100YR8HR	8.29	84.57	87.00	0.0014	90149	4.08	14.68	8.29	1.04
BASIN-7	BASE	100YR8HR	8.30	76.91	80.00	0.0015	144266	4.17	18.26	8.30	1.67
BASIN-8	BASE	100YR8HR	4.13	86.02	87.00	-0.0006	27490	4.00	1.92	4.13	1.85
BASIN-9	BASE	100YR8HR	8.12	75.38	79.75	0.0030	51804	4.08	7.23	8.12	0.60

Alachua Solar Pre-Development 100-year, 24-hour Peak Stage

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR24HR	24.39	85.27	86.00	0.0003	20377	21.00	0.90	24.39	0.24
BASIN-10	BASE	100YR24HR	24.56	75.71	79.00	0.0011	238963	21.00	14.36	24.56	2.77
BASIN-11	BASE	100YR24HR	24.28	82.76	84.00	0.0035	14979	19.08	1.30	24.28	0.17
BASIN-12	BASE	100YR24HR	22.39	82.95	84.00	0.0004	82577	19.08	2.21	22.39	0.96
BASIN-13	BASE	100YR24HR	20.58	88.95	89.00	0.0050	5210	20.58	4.15	20.58	4.15
BASIN-14	BASE	100YR24HR	21.48	77.90	84.00	0.0019	7719	12.00	0.40	21.48	0.09
BASIN-15	BASE	100YR24HR	24.27	83.84	84.75	-0.0003	50185	19.67	3.18	24.27	0.58
BASIN-2	BASE	100YR24HR	24.47	68.44	84.25	0.0050	10313	20.34	11.07	21.46	2.35
BASIN-3	BASE	100YR24HR	24.66	83.20	88.00	0.0013	361387	20.50	27.32	24.66	4.18
BASIN-4	BASE	100YR24HR	24.57	84.12	87.00	0.0007	102763	20.50	8.60	24.57	1.19
BASIN-5	BASE	100YR24HR	24.34	88.69	89.00	0.0012	505072	12.25	21.22	24.34	5.85
BASIN-6	BASE	100YR24HR	24.34	85.31	87.00	0.0010	141777	20.50	7.07	24.34	1.64
BASIN-7	BASE	100YR24HR	24.47	77.77	80.00	0.0017	199065	19.17	11.78	24.47	2.30
BASIN-8	BASE	100YR24HR	20.34	86.05	87.00	-0.0006	28559	19.92	2.72	20.34	2.68
BASIN-9	BASE	100YR24HR	24.56	76.83	79.75	0.0022	98359	20.17	8.55	24.56	1.14

Alachua Solar Pre-Development Basin 8 Peak Discharge

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
PIPE-8	BASE	100YR1HR	0.93	2.32	-0.299	0.93	86.05	0.00	86.00
PIPE-8	BASE	100YR24HR	20.34	2.35	-0.258	20.34	86.05	0.00	86.00
PIPE-8	BASE	100YR2HR	1.10	2.06	-0.258	1.10	86.04	0.00	86.00
PIPE-8	BASE	100YR4HR	2.40	1.50	-0.258	2.40	86.02	0.00	86.00
PIPE-8	BASE	100YR8HR	4.13	1.53	-0.259	4.13	86.02	0.00	86.00

Alachua Solar Pre-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR1HR	OUTFALL-8	BASE	715.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR1HR	OUTFALL-8	BASE	715.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR1HR	OUTFALL-8	BASE	716.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR1HR	OUTFALL-8	BASE	716.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	716.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	716.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	717.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	717.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	717.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	717.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	718.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	718.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	718.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR1HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR1HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR1HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	100YR1HR
100YR24HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.08	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.17	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.33	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.42	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.58	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.67	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.83	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.92	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.09	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.17	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.25	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.34	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.42	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.50	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.58	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.67	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.75	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.83	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.92	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	2.00	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	2.08	86.00	0.00	2	0.05	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	2.17	86.00	0.00	2	0.05	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	2.25	86.00	0.00	2	0.05	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	2.34	86.00	0.00	2	0.05	0.00	0.0	0.0	

Alachua Solar Pre-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR24HR	OUTFALL-8	BASE	732.25	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	732.50	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	732.75	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.00	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.25	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.50	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.75	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.00	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.25	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.50	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.75	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.00	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.25	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.50	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.75	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.00	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.25	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.50	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.75	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	737.00	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	737.25	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	737.50	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	737.75	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.00	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.25	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.50	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.75	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	739.00	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	739.25	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	739.50	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	739.75	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.00	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.25	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.50	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.75	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	741.00	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	741.25	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	741.50	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	741.75	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.00	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.25	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.50	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.75	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	743.00	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	743.25	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	743.50	86.00	0.00	2	-0.62	0.00	-35.7	0.0	
100YR24HR	OUTFALL-8	BASE	743.75	86.00	0.00	2	-0.62	0.00	-35.7	0.0	
100YR24HR	OUTFALL-8	BASE	744.00	86.00	0.00	2	-0.62	0.00	-35.7	0.0	100YR24HR
100YR2HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR2HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.08	0.00	0.0	0.0	
100YR2HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.76	0.00	0.0	0.0	
100YR2HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	1.45	0.00	0.0	0.0	

Alachua Solar Pre-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR2HR	OUTFALL-8	BASE	716.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	716.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.75	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR2HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	100YR2HR
100YR4HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.08	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.17	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.33	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.42	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.58	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.67	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.83	86.00	0.00	2	0.14	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.92	86.00	0.00	2	0.20	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.00	86.00	0.00	2	0.26	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.08	86.00	0.00	2	0.31	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.17	86.00	0.00	2	0.40	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.25	86.00	0.00	2	0.50	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.33	86.00	0.00	2	0.60	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.42	86.00	0.00	2	0.70	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.50	86.00	0.00	2	0.78	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.58	86.00	0.00	2	0.85	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.67	86.00	0.00	2	0.93	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.75	86.00	0.00	2	1.03	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.83	86.00	0.00	2	1.14	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	1.92	86.00	0.00	2	1.24	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.00	86.00	0.00	2	1.33	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.08	86.00	0.00	2	1.40	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.17	86.00	0.00	2	1.46	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.25	86.00	0.00	2	1.49	0.00	0.1	0.0	

Alachua Solar Pre-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR4HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	722.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	722.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	722.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	724.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR4HR	OUTFALL-8	BASE	724.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	100YR4HR
100YR8HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.08	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.17	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.33	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.42	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.58	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.67	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.83	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.92	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.09	86.00	0.00	2	0.03	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.17	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.25	86.00	0.00	2	0.05	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.33	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.42	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.50	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.58	86.00	0.00	2	0.08	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.67	86.00	0.00	2	0.11	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.75	86.00	0.00	2	0.13	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.83	86.00	0.00	2	0.15	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.92	86.00	0.00	2	0.16	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.00	86.00	0.00	2	0.18	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.08	86.00	0.00	2	0.19	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.17	86.00	0.00	2	0.22	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.25	86.00	0.00	2	0.26	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.33	86.00	0.00	2	0.29	0.00	0.0	0.0	

Alachua Solar Pre-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR8HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-35.9	0.0	
100YR8HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-35.9	0.0	
100YR8HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-35.9	0.0	
100YR8HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-35.9	0.0	
100YR8HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-35.9	0.0	
100YR8HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	721.25	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	721.50	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	721.75	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	722.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	722.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	722.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	723.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	723.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	723.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	723.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	724.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	724.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	724.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	724.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	725.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	725.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	725.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	725.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	726.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	726.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	726.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	726.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	727.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	727.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	727.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	727.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	728.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR8HR	OUTFALL-8	BASE	728.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	100YR8HR

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-1	BASE	13.25	84.13	86.00	6151	0.00	0.07	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	13.50	84.12	86.00	6048	0.00	0.07	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	13.75	84.11	86.00	5946	0.00	0.07	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	14.00	84.10	86.00	5844	0.00	0.07	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	14.25	84.09	86.00	5741	0.00	0.07	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	14.50	84.08	86.00	5639	0.00	0.07	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	14.75	84.07	86.00	5536	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	15.00	84.06	86.00	5433	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	15.25	84.05	86.00	5331	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	15.50	84.04	86.00	5228	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	15.75	84.03	86.00	5126	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	16.00	84.02	86.00	5024	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	16.25	84.01	86.00	4921	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	16.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	16.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	17.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	17.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	17.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	17.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	18.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	18.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	18.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	18.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	19.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	19.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	19.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	19.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	20.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	20.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	20.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	20.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	21.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	21.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	21.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	21.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	22.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	22.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	22.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	22.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	23.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	23.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	23.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	23.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	24.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	24.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	24.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	24.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	25.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	25.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	25.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	25.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	26.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	26.25	84.00	86.00	4831	0.00	0.00	0.1	0.1

100YR1HR BASIN-1 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-10	BASE	46.75	72.53	79.00	24483	0.00	0.28	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	47.00	72.52	79.00	24207	0.00	0.28	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	47.25	72.51	79.00	23932	0.00	0.28	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	47.50	72.50	79.00	23656	0.00	0.27	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	47.75	72.49	79.00	23381	0.00	0.27	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	48.00	72.48	79.00	23105	0.00	0.27	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	48.25	72.47	79.00	22829	0.00	0.26	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	48.50	72.46	79.00	22554	0.00	0.26	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	48.75	72.45	79.00	22278	0.00	0.26	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	49.00	72.44	79.00	22003	0.00	0.25	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	49.25	72.43	79.00	21727	0.00	0.25	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	49.50	72.42	79.00	21452	0.00	0.25	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	49.75	72.41	79.00	21176	0.00	0.25	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	50.00	72.40	79.00	20901	0.00	0.24	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	50.25	72.39	79.00	20625	0.00	0.24	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	50.50	72.38	79.00	20350	0.00	0.24	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	50.75	72.37	79.00	20074	0.00	0.23	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	51.00	72.35	79.00	19798	0.00	0.23	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	51.25	72.34	79.00	19523	0.00	0.23	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	51.50	72.33	79.00	19247	0.00	0.22	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	51.75	72.32	79.00	18971	0.00	0.22	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	52.00	72.31	79.00	18696	0.00	0.22	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	52.25	72.30	79.00	18420	0.00	0.21	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	52.50	72.29	79.00	18145	0.00	0.21	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	52.75	72.28	79.00	17869	0.00	0.21	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	53.00	72.27	79.00	17594	0.00	0.20	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	53.25	72.26	79.00	17318	0.00	0.20	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	53.50	72.25	79.00	17043	0.00	0.20	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	53.75	72.24	79.00	16767	0.00	0.19	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	54.00	72.23	79.00	16492	0.00	0.19	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	54.25	72.22	79.00	16216	0.00	0.19	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	54.50	72.21	79.00	15940	0.00	0.18	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	54.75	72.20	79.00	15665	0.00	0.18	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	55.00	72.19	79.00	15389	0.00	0.18	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	55.25	72.18	79.00	15114	0.00	0.17	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	55.50	72.17	79.00	14838	0.00	0.17	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	55.75	72.16	79.00	14562	0.00	0.17	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	56.00	72.15	79.00	14287	0.00	0.17	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	56.25	72.14	79.00	14011	0.00	0.16	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	56.50	72.13	79.00	13736	0.00	0.16	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	56.75	72.12	79.00	13460	0.00	0.16	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	57.00	72.10	79.00	13185	0.00	0.15	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	57.25	72.09	79.00	12909	0.00	0.15	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	57.50	72.08	79.00	12634	0.00	0.15	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	57.75	72.07	79.00	12358	0.00	0.14	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	58.00	72.06	79.00	12083	0.00	0.14	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	58.25	72.05	79.00	11807	0.00	0.14	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	58.50	72.04	79.00	11531	0.00	0.13	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	58.75	72.03	79.00	11256	0.00	0.13	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	59.00	72.02	79.00	10980	0.00	0.13	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	59.25	72.01	79.00	10704	0.00	0.12	2.7	2.7
100YR1HR BASIN-10 PRE	BASIN-10	BASE	59.50	72.00	79.00	10429	0.00	0.12	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	59.75	72.00	79.00	10411	0.00	0.00	2.7	2.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-11	BASE	0.75	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	1.00	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	1.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	1.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	1.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	2.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	2.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	2.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	2.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	3.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	3.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	3.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	3.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	4.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	4.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	4.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	4.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	5.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	5.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	5.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	5.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	6.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	6.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	6.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	6.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	7.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	7.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	7.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	7.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	8.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	8.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	8.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	8.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	9.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	9.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	9.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	9.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	10.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	10.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	10.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	10.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	11.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	11.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	11.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	11.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	12.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	12.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	12.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	12.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	13.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	13.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	13.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	13.75	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR1HR BASIN-11 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-12	BASE	7.75	82.45	84.00	47001	0.00	0.54	0.7	0.4
100YR001HR PRE	BASIN-12	BASE	8.00	82.44	84.00	46256	0.00	0.54	0.7	0.4
100YR001HR PRE	BASIN-12	BASE	8.25	82.43	84.00	45513	0.00	0.53	0.7	0.4
100YR001HR PRE	BASIN-12	BASE	8.50	82.42	84.00	44769	0.00	0.52	0.7	0.4
100YR001HR PRE	BASIN-12	BASE	8.75	82.41	84.00	44024	0.00	0.51	0.7	0.4
100YR001HR PRE	BASIN-12	BASE	9.00	82.40	84.00	43281	0.00	0.50	0.7	0.4
100YR001HR PRE	BASIN-12	BASE	9.25	82.38	84.00	42537	0.00	0.49	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	9.50	82.37	84.00	41793	0.00	0.48	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	9.75	82.36	84.00	41050	0.00	0.48	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	10.00	82.35	84.00	40305	0.00	0.47	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	10.25	82.34	84.00	39561	0.00	0.46	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	10.50	82.33	84.00	38818	0.00	0.45	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	10.75	82.32	84.00	38073	0.00	0.44	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	11.00	82.31	84.00	37330	0.00	0.43	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	11.25	82.30	84.00	36586	0.00	0.42	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	11.50	82.29	84.00	35842	0.00	0.41	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	11.75	82.28	84.00	35099	0.00	0.41	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	12.00	82.27	84.00	34354	0.00	0.40	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	12.25	82.26	84.00	33610	0.00	0.39	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	12.50	82.25	84.00	32867	0.00	0.38	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	12.75	82.24	84.00	32123	0.00	0.37	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	13.00	82.23	84.00	31380	0.00	0.36	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	13.25	82.22	84.00	30635	0.00	0.35	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	13.50	82.21	84.00	29891	0.00	0.35	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	13.75	82.20	84.00	29148	0.00	0.34	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	14.00	82.19	84.00	28403	0.00	0.33	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	14.25	82.18	84.00	27659	0.00	0.32	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	14.50	82.17	84.00	26916	0.00	0.31	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	14.75	82.16	84.00	26172	0.00	0.30	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	15.00	82.15	84.00	25427	0.00	0.29	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	15.25	82.13	84.00	24684	0.00	0.29	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	15.50	82.12	84.00	23940	0.00	0.28	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	15.75	82.11	84.00	23197	0.00	0.27	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	16.00	82.10	84.00	22452	0.00	0.26	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	16.25	82.09	84.00	21708	0.00	0.25	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	16.50	82.08	84.00	20965	0.00	0.24	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	16.75	82.07	84.00	20221	0.00	0.23	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	17.00	82.06	84.00	19476	0.00	0.23	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	17.25	82.05	84.00	18733	0.00	0.22	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	17.50	82.04	84.00	17989	0.00	0.21	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	17.75	82.03	84.00	17246	0.00	0.20	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	18.00	82.02	84.00	16502	0.00	0.19	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	18.25	82.01	84.00	15757	0.00	0.18	0.7	0.7
100YR1HR BASIN-12 PRE	BASIN-12	BASE	18.50	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	18.75	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	19.00	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	19.25	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	19.50	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	19.75	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	20.00	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	20.25	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	20.50	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	20.75	82.00	84.00	15050	0.00	0.00	0.7	0.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-13	BASE	41.25	80.20	89.00	709	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	41.50	80.19	89.00	705	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	41.75	80.18	89.00	700	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	42.00	80.17	89.00	696	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	42.25	80.16	89.00	692	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	42.50	80.15	89.00	687	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	42.75	80.14	89.00	683	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	43.00	80.12	89.00	679	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	43.25	80.11	89.00	675	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	43.50	80.10	89.00	670	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	43.75	80.09	89.00	666	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	44.00	80.08	89.00	662	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	44.25	80.07	89.00	657	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	44.50	80.06	89.00	653	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	44.75	80.05	89.00	649	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	45.00	80.04	89.00	644	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	45.25	80.03	89.00	640	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	45.50	80.02	89.00	636	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	45.75	80.01	89.00	631	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	46.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	46.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	46.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	46.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	47.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	47.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	47.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	47.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	48.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	48.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	48.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	48.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	49.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	49.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	49.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	49.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	50.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	50.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	50.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	50.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	51.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	51.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	51.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	51.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	52.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	52.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	52.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	52.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	53.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	53.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	53.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	53.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	54.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	54.25	80.00	89.00	627	0.00	0.00	0.0	0.0

100YR1HR BASIN-13 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-14	BASE	48.25	75.32	84.00	604	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	48.50	75.31	84.00	588	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	48.75	75.30	84.00	572	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	49.00	75.29	84.00	556	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	49.25	75.28	84.00	540	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	49.50	75.27	84.00	525	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	49.75	75.26	84.00	509	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	50.00	75.25	84.00	493	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	50.25	75.24	84.00	477	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	50.50	75.23	84.00	461	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	50.75	75.22	84.00	445	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	51.00	75.21	84.00	429	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	51.25	75.20	84.00	413	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	51.50	75.19	84.00	397	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	51.75	75.18	84.00	381	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	52.00	75.17	84.00	365	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	52.25	75.16	84.00	349	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	52.50	75.15	84.00	333	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	52.75	75.14	84.00	317	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	53.00	75.13	84.00	302	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	53.25	75.12	84.00	286	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	53.50	75.11	84.00	270	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	53.75	75.09	84.00	254	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	54.00	75.08	84.00	238	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	54.25	75.07	84.00	222	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	54.50	75.06	84.00	206	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	54.75	75.05	84.00	190	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	55.00	75.04	84.00	174	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	55.25	75.03	84.00	158	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	55.50	75.02	84.00	142	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	55.75	75.01	84.00	126	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	56.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	56.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	56.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	56.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	57.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	57.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	57.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	57.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	58.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	58.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	58.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	58.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	59.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	59.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	59.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	59.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	60.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	60.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	60.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	60.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	61.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	61.25	75.00	84.00	113	0.00	0.00	0.1	0.1

100YR1HR BASIN-14 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-14	BASE	710.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	711.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	711.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	711.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	711.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	712.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	712.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	712.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	712.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	713.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	713.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	713.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	713.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	714.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	714.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	714.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	714.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	715.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	715.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	715.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	715.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	716.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	716.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	716.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	716.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	717.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	717.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	717.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	717.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	718.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	718.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	718.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	718.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	719.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	719.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	719.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	719.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	720.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	720.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	720.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	720.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	721.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	721.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-15	BASE	0.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	0.25	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	0.50	83.00	84.75	29686	0.05	0.05	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	0.75	83.00	84.75	29686	0.07	0.07	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	1.00	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	1.25	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	1.50	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	1.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	2.00	83.00	84.75	29686	0.00	0.00	0.0	0.0

100YR1HR BASIN-15 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-2	BASE	713.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	713.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	713.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	714.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	714.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	714.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	714.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	715.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	715.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	715.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	715.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	716.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	716.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	716.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	716.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	717.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	717.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	717.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	717.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	718.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	718.25	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	718.50	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	718.75	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	719.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	719.25	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	719.50	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	719.75	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	720.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	720.25	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	720.50	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	720.75	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	721.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-3	BASE	0.25	80.00	88.00	105807	1.69	1.22	0.0	0.0
100YR001HR PRE	BASIN-3	BASE	0.50	80.08	88.00	111840	26.46	1.29	0.3	0.0
100YR001HR PRE	BASIN-3	BASE	0.75	80.43	88.00	137544	69.72	1.59	1.3	0.1
100YR001HR PRE	BASIN-3	BASE	1.00	80.85	88.00	168310	68.38	1.95	2.7	0.1
100YR001HR PRE	BASIN-3	BASE	1.25	81.12	88.00	188768	46.10	2.18	3.9	0.1
100YR001HR PRE	BASIN-3	BASE	1.50	81.29	88.00	200929	30.66	2.33	4.7	0.2
100YR001HR PRE	BASIN-3	BASE	1.75	81.39	88.00	208523	21.37	2.41	5.2	0.2
100YR001HR PRE	BASIN-3	BASE	2.00	81.46	88.00	213661	16.29	2.47	5.6	0.3
100YR001HR PRE	BASIN-3	BASE	2.25	81.51	88.00	217321	12.49	2.52	5.9	0.3
100YR001HR PRE	BASIN-3	BASE	2.50	81.54	88.00	219755	8.83	2.54	6.2	0.4
100YR001HR PRE	BASIN-3	BASE	2.75	81.56	88.00	221128	5.50	2.56	6.3	0.5
100YR001HR PRE	BASIN-3	BASE	3.00	81.57	88.00	221635	3.12	2.57	6.4	0.5
100YR001HR PRE	BASIN-3	BASE	3.25	81.57	88.00	221511	1.24	2.56	6.4	0.6
100YR001HR PRE	BASIN-3	BASE	3.50	81.56	88.00	220929	0.19	2.56	6.4	0.6
100YR001HR PRE	BASIN-3	BASE	3.75	81.55	88.00	220178	0.01	2.55	6.5	0.7
100YR001HR PRE	BASIN-3	BASE	4.00	81.54	88.00	219410	0.00	2.54	6.5	0.7
100YR001HR PRE	BASIN-3	BASE	4.25	81.53	88.00	218640	0.00	2.53	6.5	0.8
100YR001HR PRE	BASIN-3	BASE	4.50	81.52	88.00	217871	0.00	2.52	6.5	0.8
100YR001HR PRE	BASIN-3	BASE	4.75	81.51	88.00	217102	0.00	2.51	6.5	0.9

100YR1HR BASIN-2 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-3	BASE	29.50	80.48	88.00	140941	0.00	1.63	6.5	5.1
100YR001HR PRE	BASIN-3	BASE	29.75	80.47	88.00	140171	0.00	1.62	6.5	5.1
100YR001HR PRE	BASIN-3	BASE	30.00	80.46	88.00	139401	0.00	1.61	6.5	5.2
100YR001HR PRE	BASIN-3	BASE	30.25	80.44	88.00	138633	0.00	1.60	6.5	5.2
100YR001HR PRE	BASIN-3	BASE	30.50	80.43	88.00	137863	0.00	1.60	6.5	5.2
100YR001HR PRE	BASIN-3	BASE	30.75	80.42	88.00	137094	0.00	1.59	6.5	5.3
100YR001HR PRE	BASIN-3	BASE	31.00	80.41	88.00	136325	0.00	1.58	6.5	5.3
100YR001HR PRE	BASIN-3	BASE	31.25	80.40	88.00	135555	0.00	1.57	6.5	5.3
100YR001HR PRE	BASIN-3	BASE	31.50	80.39	88.00	134786	0.00	1.56	6.5	5.4
100YR001HR PRE	BASIN-3	BASE	31.75	80.38	88.00	134017	0.00	1.55	6.5	5.4
100YR001HR PRE	BASIN-3	BASE	32.00	80.37	88.00	133247	0.00	1.54	6.5	5.4
100YR001HR PRE	BASIN-3	BASE	32.25	80.36	88.00	132478	0.00	1.53	6.5	5.5
100YR001HR PRE	BASIN-3	BASE	32.50	80.35	88.00	131709	0.00	1.52	6.5	5.5
100YR001HR PRE	BASIN-3	BASE	32.75	80.34	88.00	130940	0.00	1.52	6.5	5.5
100YR001HR PRE	BASIN-3	BASE	33.00	80.33	88.00	130170	0.00	1.51	6.5	5.6
100YR001HR PRE	BASIN-3	BASE	33.25	80.32	88.00	129401	0.00	1.50	6.5	5.6
100YR001HR PRE	BASIN-3	BASE	33.50	80.31	88.00	128632	0.00	1.49	6.5	5.6
100YR001HR PRE	BASIN-3	BASE	33.75	80.30	88.00	127862	0.00	1.48	6.5	5.7
100YR001HR PRE	BASIN-3	BASE	34.00	80.29	88.00	127093	0.00	1.47	6.5	5.7
100YR001HR PRE	BASIN-3	BASE	34.25	80.28	88.00	126324	0.00	1.46	6.5	5.7
100YR001HR PRE	BASIN-3	BASE	34.50	80.27	88.00	125554	0.00	1.45	6.5	5.7
100YR001HR PRE	BASIN-3	BASE	34.75	80.26	88.00	124785	0.00	1.44	6.5	5.8
100YR001HR PRE	BASIN-3	BASE	35.00	80.25	88.00	124016	0.00	1.44	6.5	5.8
100YR001HR PRE	BASIN-3	BASE	35.25	80.24	88.00	123246	0.00	1.43	6.5	5.8
100YR001HR PRE	BASIN-3	BASE	35.50	80.23	88.00	122478	0.00	1.42	6.5	5.9
100YR001HR PRE	BASIN-3	BASE	35.75	80.22	88.00	121708	0.00	1.41	6.5	5.9
100YR001HR PRE	BASIN-3	BASE	36.00	80.21	88.00	120938	0.00	1.40	6.5	5.9
100YR001HR PRE	BASIN-3	BASE	36.25	80.19	88.00	120170	0.00	1.39	6.5	6.0
100YR001HR PRE	BASIN-3	BASE	36.50	80.18	88.00	119400	0.00	1.38	6.5	6.0
100YR001HR PRE	BASIN-3	BASE	36.75	80.17	88.00	118630	0.00	1.37	6.5	6.0
100YR001HR PRE	BASIN-3	BASE	37.00	80.16	88.00	117862	0.00	1.36	6.5	6.0
100YR001HR PRE	BASIN-3	BASE	37.25	80.15	88.00	117092	0.00	1.36	6.5	6.1
100YR001HR PRE	BASIN-3	BASE	37.50	80.14	88.00	116322	0.00	1.35	6.5	6.1
100YR001HR PRE	BASIN-3	BASE	37.75	80.13	88.00	115554	0.00	1.34	6.5	6.1
100YR001HR PRE	BASIN-3	BASE	38.00	80.12	88.00	114784	0.00	1.33	6.5	6.1
100YR001HR PRE	BASIN-3	BASE	38.25	80.11	88.00	114016	0.00	1.32	6.5	6.2
100YR001HR PRE	BASIN-3	BASE	38.50	80.10	88.00	113246	0.00	1.31	6.5	6.2
100YR001HR PRE	BASIN-3	BASE	38.75	80.09	88.00	112476	0.00	1.30	6.5	6.2
100YR001HR PRE	BASIN-3	BASE	39.00	80.08	88.00	111708	0.00	1.29	6.5	6.3
100YR001HR PRE	BASIN-3	BASE	39.25	80.07	88.00	110938	0.00	1.28	6.5	6.3
100YR001HR PRE	BASIN-3	BASE	39.50	80.06	88.00	110168	0.00	1.28	6.5	6.3
100YR001HR PRE	BASIN-3	BASE	39.75	80.05	88.00	109400	0.00	1.27	6.5	6.3
100YR001HR PRE	BASIN-3	BASE	40.00	80.04	88.00	108630	0.00	1.26	6.5	6.4
100YR001HR PRE	BASIN-3	BASE	40.25	80.03	88.00	107862	0.00	1.25	6.5	6.4
100YR001HR PRE	BASIN-3	BASE	40.50	80.02	88.00	107092	0.00	1.24	6.5	6.4
100YR001HR PRE	BASIN-3	BASE	40.75	80.01	88.00	106322	0.00	1.23	6.5	6.4
100YR001HR PRE	BASIN-3	BASE	41.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR001HR PRE	BASIN-3	BASE	41.25	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR001HR PRE	BASIN-3	BASE	41.50	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR001HR PRE	BASIN-3	BASE	41.75	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR001HR PRE	BASIN-3	BASE	42.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR001HR PRE	BASIN-3	BASE	42.25	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR001HR PRE	BASIN-3	BASE	42.50	80.00	88.00	105790	0.00	0.00	6.5	6.5

100YR1HR BASIN-3 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-4	BASE	36.50	81.39	87.00	15008	0.00	0.17	1.2	1.1
100YR001HR PRE	BASIN-4	BASE	36.75	81.38	87.00	14813	0.00	0.17	1.2	1.1
100YR001HR PRE	BASIN-4	BASE	37.00	81.37	87.00	14618	0.00	0.17	1.2	1.1
100YR001HR PRE	BASIN-4	BASE	37.25	81.36	87.00	14423	0.00	0.17	1.2	1.1
100YR001HR PRE	BASIN-4	BASE	37.50	81.35	87.00	14229	0.00	0.16	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	37.75	81.34	87.00	14034	0.00	0.16	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	38.00	81.33	87.00	13839	0.00	0.16	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	38.25	81.32	87.00	13645	0.00	0.16	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	38.50	81.31	87.00	13450	0.00	0.16	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	38.75	81.30	87.00	13255	0.00	0.15	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	39.00	81.29	87.00	13061	0.00	0.15	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	39.25	81.28	87.00	12866	0.00	0.15	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	39.50	81.27	87.00	12671	0.00	0.15	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	39.75	81.26	87.00	12476	0.00	0.14	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	40.00	81.25	87.00	12282	0.00	0.14	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	40.25	81.24	87.00	12087	0.00	0.14	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	40.50	81.23	87.00	11892	0.00	0.14	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	40.75	81.22	87.00	11697	0.00	0.14	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	41.00	81.21	87.00	11503	0.00	0.13	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	41.25	81.19	87.00	11308	0.00	0.13	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	41.50	81.18	87.00	11113	0.00	0.13	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	41.75	81.17	87.00	10919	0.00	0.13	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	42.00	81.16	87.00	10724	0.00	0.12	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	42.25	81.15	87.00	10529	0.00	0.12	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	42.50	81.14	87.00	10335	0.00	0.12	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	42.75	81.13	87.00	10140	0.00	0.12	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	43.00	81.12	87.00	9945	0.00	0.12	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	43.25	81.11	87.00	9751	0.00	0.11	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	43.50	81.10	87.00	9556	0.00	0.11	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	43.75	81.09	87.00	9361	0.00	0.11	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	44.00	81.08	87.00	9166	0.00	0.11	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	44.25	81.07	87.00	8972	0.00	0.10	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	44.50	81.06	87.00	8777	0.00	0.10	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	44.75	81.05	87.00	8582	0.00	0.10	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	45.00	81.04	87.00	8388	0.00	0.10	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	45.25	81.03	87.00	8193	0.00	0.09	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	45.50	81.02	87.00	7998	0.00	0.09	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	45.75	81.01	87.00	7804	0.00	0.09	1.2	1.2
100YR1HR BASIN-4 PRE										
100YR001HR PRE	BASIN-4	BASE	46.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	46.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	46.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	46.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	47.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	47.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	47.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	47.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	48.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	48.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	48.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	48.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	49.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	49.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	49.50	81.00	87.00	7667	0.00	0.00	1.2	1.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-5	BASE	56.75	85.29	89.00	39726	0.00	0.46	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	57.00	85.28	89.00	39346	0.00	0.46	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	57.25	85.27	89.00	38966	0.00	0.45	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	57.50	85.26	89.00	38587	0.00	0.45	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	57.75	85.25	89.00	38208	0.00	0.44	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	58.00	85.24	89.00	37829	0.00	0.44	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	58.25	85.23	89.00	37449	0.00	0.43	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	58.50	85.22	89.00	37069	0.00	0.43	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	58.75	85.21	89.00	36690	0.00	0.42	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	59.00	85.20	89.00	36311	0.00	0.42	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	59.25	85.19	89.00	35931	0.00	0.42	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	59.50	85.18	89.00	35552	0.00	0.41	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	59.75	85.17	89.00	35172	0.00	0.41	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	60.00	85.16	89.00	34793	0.00	0.40	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	60.25	85.15	89.00	34414	0.00	0.40	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	60.50	85.14	89.00	34034	0.00	0.39	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	60.75	85.13	89.00	33655	0.00	0.39	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	61.00	85.12	89.00	33275	0.00	0.39	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	61.25	85.11	89.00	32896	0.00	0.38	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	61.50	85.10	89.00	32517	0.00	0.38	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	61.75	85.09	89.00	32137	0.00	0.37	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	62.00	85.07	89.00	31757	0.00	0.37	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	62.25	85.06	89.00	31378	0.00	0.36	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	62.50	85.05	89.00	30999	0.00	0.36	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	62.75	85.04	89.00	30620	0.00	0.35	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	63.00	85.03	89.00	30240	0.00	0.35	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	63.25	85.02	89.00	29860	0.00	0.35	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	63.50	85.01	89.00	29481	0.00	0.34	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	63.75	85.00	89.00	29102	0.00	0.34	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	64.00	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	64.25	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	64.50	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	64.75	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	65.00	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	65.25	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	65.50	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	65.75	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	66.00	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	66.25	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	66.50	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	66.75	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	67.00	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	67.25	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	67.50	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	67.75	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	68.00	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	68.25	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	68.50	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	68.75	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	69.00	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	69.25	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	69.50	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	69.75	85.00	89.00	29028	0.00	0.00	6.4	6.4

100YR1HR BASIN-5 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-6	BASE	37.25	82.48	87.00	25818	0.00	0.30	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	37.50	82.47	87.00	25582	0.00	0.30	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	37.75	82.45	87.00	25346	0.00	0.29	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	38.00	82.44	87.00	25109	0.00	0.29	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	38.25	82.43	87.00	24873	0.00	0.29	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	38.50	82.42	87.00	24637	0.00	0.29	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	38.75	82.41	87.00	24401	0.00	0.28	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	39.00	82.40	87.00	24165	0.00	0.28	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	39.25	82.39	87.00	23928	0.00	0.28	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	39.50	82.38	87.00	23692	0.00	0.27	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	39.75	82.37	87.00	23456	0.00	0.27	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	40.00	82.36	87.00	23220	0.00	0.27	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	40.25	82.35	87.00	22984	0.00	0.27	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	40.50	82.34	87.00	22747	0.00	0.26	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	40.75	82.33	87.00	22511	0.00	0.26	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	41.00	82.32	87.00	22275	0.00	0.26	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	41.25	82.31	87.00	22039	0.00	0.26	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	41.50	82.30	87.00	21802	0.00	0.25	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	41.75	82.29	87.00	21566	0.00	0.25	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	42.00	82.28	87.00	21330	0.00	0.25	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	42.25	82.27	87.00	21094	0.00	0.24	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	42.50	82.26	87.00	20858	0.00	0.24	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	42.75	82.25	87.00	20621	0.00	0.24	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	43.00	82.24	87.00	20385	0.00	0.24	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	43.25	82.23	87.00	20149	0.00	0.23	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	43.50	82.22	87.00	19912	0.00	0.23	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	43.75	82.20	87.00	19677	0.00	0.23	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	44.00	82.19	87.00	19440	0.00	0.23	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	44.25	82.18	87.00	19204	0.00	0.22	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	44.50	82.17	87.00	18968	0.00	0.22	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	44.75	82.16	87.00	18731	0.00	0.22	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	45.00	82.15	87.00	18496	0.00	0.21	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	45.25	82.14	87.00	18259	0.00	0.21	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	45.50	82.13	87.00	18023	0.00	0.21	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	45.75	82.12	87.00	17787	0.00	0.21	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	46.00	82.11	87.00	17550	0.00	0.20	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	46.25	82.10	87.00	17314	0.00	0.20	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	46.50	82.09	87.00	17078	0.00	0.20	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	46.75	82.08	87.00	16842	0.00	0.19	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	47.00	82.07	87.00	16605	0.00	0.19	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	47.25	82.06	87.00	16369	0.00	0.19	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	47.50	82.05	87.00	16133	0.00	0.19	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	47.75	82.04	87.00	15897	0.00	0.18	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	48.00	82.03	87.00	15661	0.00	0.18	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	48.25	82.02	87.00	15424	0.00	0.18	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	48.50	82.01	87.00	15188	0.00	0.18	1.8	1.8
100YR1HR BASIN-6 PRE	BASIN-6	BASE	48.75	82.00	87.00	15028	0.00	0.00	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	49.00	82.00	87.00	15028	0.00	0.00	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	49.25	82.00	87.00	15028	0.00	0.00	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	49.50	82.00	87.00	15028	0.00	0.00	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	49.75	82.00	87.00	15028	0.00	0.00	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	50.00	82.00	87.00	15028	0.00	0.00	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	50.25	82.00	87.00	15028	0.00	0.00	1.8	1.8

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-7	BASE	31.00	75.25	80.00	34753	0.00	0.40	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	31.25	75.24	80.00	34002	0.00	0.39	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	31.50	75.23	80.00	33252	0.00	0.38	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	31.75	75.22	80.00	32502	0.00	0.38	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	32.00	75.21	80.00	31751	0.00	0.37	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	32.25	75.20	80.00	31001	0.00	0.36	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	32.50	75.19	80.00	30250	0.00	0.35	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	32.75	75.18	80.00	29501	0.00	0.34	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	33.00	75.17	80.00	28750	0.00	0.33	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	33.25	75.16	80.00	27999	0.00	0.32	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	33.50	75.15	80.00	27250	0.00	0.32	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	33.75	75.14	80.00	26499	0.00	0.31	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	34.00	75.13	80.00	25748	0.00	0.30	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	34.25	75.12	80.00	24998	0.00	0.29	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	34.50	75.11	80.00	24247	0.00	0.28	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	34.75	75.10	80.00	23497	0.00	0.27	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	35.00	75.09	80.00	22747	0.00	0.26	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	35.25	75.08	80.00	21996	0.00	0.25	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	35.50	75.07	80.00	21247	0.00	0.25	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	35.75	75.06	80.00	20496	0.00	0.24	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	36.00	75.05	80.00	19745	0.00	0.23	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	36.25	75.04	80.00	18996	0.00	0.22	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	36.50	75.03	80.00	18245	0.00	0.21	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	36.75	75.01	80.00	17494	0.00	0.20	2.4	2.4
100YR1HR BASIN-7 PRE	BASIN-7	BASE	37.00	75.00	80.00	16744	0.00	0.19	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	37.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	37.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	37.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	38.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	38.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	38.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	38.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	39.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	39.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	39.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	39.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	40.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	40.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	40.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	40.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	41.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	41.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	41.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	41.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	42.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	42.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	42.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	42.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	43.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	43.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	43.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	43.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	44.00	75.00	80.00	16431	0.00	0.00	2.4	2.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-7	BASE	720.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	720.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	720.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	720.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	721.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	721.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-8	BASE	0.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-8	BASE	0.25	86.00	87.00	115	0.20	-0.50	0.0	-0.0
100YR001HR PRE	BASIN-8	BASE	0.50	86.01	87.00	27031	2.03	1.30	0.0	0.0
100YR001HR PRE	BASIN-8	BASE	0.75	86.04	87.00	28134	3.26	2.39	0.1	0.0
100YR001HR PRE	BASIN-8	BASE	1.00	86.05	87.00	28464	2.30	2.62	0.1	0.1
100YR001HR PRE	BASIN-8	BASE	1.25	86.03	87.00	27713	1.27	2.06	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	1.50	86.01	87.00	26969	0.78	1.20	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	1.75	86.00	87.00	26717	0.45	0.50	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	2.00	86.00	87.00	26705	0.21	0.21	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	2.25	86.00	87.00	26704	0.06	0.01	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	2.50	86.00	87.00	115	0.01	-0.60	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	2.75	86.00	87.00	115	0.00	-0.61	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	3.00	86.00	87.00	115	0.00	-0.61	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	3.25	86.00	87.00	115	0.00	-0.61	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	3.50	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	3.75	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	4.00	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	4.25	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	4.50	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	4.75	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	5.00	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	5.25	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	5.50	86.00	87.00	115	0.00	-0.61	0.2	0.0
100YR001HR PRE	BASIN-8	BASE	5.75	86.00	87.00	115	0.00	-0.61	0.2	0.0
100YR001HR PRE	BASIN-8	BASE	6.00	86.00	87.00	115	0.00	-0.61	0.2	0.0
100YR001HR PRE	BASIN-8	BASE	6.25	86.00	87.00	115	0.00	-0.61	0.2	0.0
100YR001HR PRE	BASIN-8	BASE	6.50	86.00	87.00	115	0.00	-0.61	0.2	-0.0
100YR001HR PRE	BASIN-8	BASE	6.75	86.00	87.00	115	0.00	-0.61	0.2	-0.0
100YR001HR PRE	BASIN-8	BASE	7.00	86.00	87.00	115	0.00	-0.61	0.2	-0.0
100YR001HR PRE	BASIN-8	BASE	7.25	86.00	87.00	115	0.00	-0.61	0.2	-0.0
100YR001HR PRE	BASIN-8	BASE	7.50	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	7.75	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	8.00	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	8.25	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	8.50	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	8.75	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	9.00	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	9.25	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	9.50	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	9.75	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	10.00	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	10.25	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	10.50	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	10.75	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	11.00	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	11.25	86.00	87.00	115	0.00	-0.61	0.2	-0.2

100YR1HR BASIN-8 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-9	BASE	58.25	72.54	79.75	2838	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	58.50	72.53	79.75	2800	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	58.75	72.52	79.75	2763	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	59.00	72.51	79.75	2725	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	59.25	72.50	79.75	2687	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	59.50	72.49	79.75	2650	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	59.75	72.48	79.75	2612	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	60.00	72.47	79.75	2575	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	60.25	72.46	79.75	2537	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	60.50	72.45	79.75	2499	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	60.75	72.44	79.75	2462	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	61.00	72.43	79.75	2424	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	61.25	72.42	79.75	2387	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	61.50	72.41	79.75	2349	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	61.75	72.40	79.75	2311	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	62.00	72.39	79.75	2274	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	62.25	72.38	79.75	2236	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	62.50	72.37	79.75	2199	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	62.75	72.35	79.75	2161	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	63.00	72.34	79.75	2123	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	63.25	72.33	79.75	2086	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	63.50	72.32	79.75	2048	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	63.75	72.31	79.75	2010	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	64.00	72.30	79.75	1973	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	64.25	72.29	79.75	1935	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	64.50	72.28	79.75	1898	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	64.75	72.27	79.75	1860	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	65.00	72.26	79.75	1822	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	65.25	72.25	79.75	1785	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	65.50	72.24	79.75	1747	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	65.75	72.23	79.75	1710	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	66.00	72.22	79.75	1672	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	66.25	72.21	79.75	1634	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	66.50	72.20	79.75	1597	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	66.75	72.19	79.75	1559	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	67.00	72.18	79.75	1521	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	67.25	72.17	79.75	1484	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	67.50	72.16	79.75	1446	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	67.75	72.15	79.75	1409	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	68.00	72.14	79.75	1371	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	68.25	72.13	79.75	1333	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	68.50	72.12	79.75	1296	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	68.75	72.10	79.75	1258	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	69.00	72.09	79.75	1221	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	69.25	72.08	79.75	1183	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	69.50	72.07	79.75	1145	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	69.75	72.06	79.75	1108	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	70.00	72.05	79.75	1070	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	70.25	72.04	79.75	1032	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	70.50	72.03	79.75	995	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	70.75	72.02	79.75	957	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	71.00	72.01	79.75	920	0.00	0.01	0.9	0.9
100YR1HR BASIN-9 PRE	BASIN-9	BASE	71.25	72.00	79.75	882	0.00	0.01	0.9	0.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-1	BASE	12.25	84.29	86.00	7648	0.00	0.09	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	12.50	84.28	86.00	7546	0.00	0.09	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	12.75	84.27	86.00	7444	0.00	0.09	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	13.00	84.26	86.00	7341	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	13.25	84.24	86.00	7238	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	13.50	84.23	86.00	7136	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	13.75	84.22	86.00	7033	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	14.00	84.21	86.00	6931	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	14.25	84.20	86.00	6828	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	14.50	84.19	86.00	6726	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	14.75	84.18	86.00	6623	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	15.00	84.17	86.00	6521	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	15.25	84.16	86.00	6418	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	15.50	84.15	86.00	6316	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	15.75	84.14	86.00	6213	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	16.00	84.13	86.00	6111	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	16.25	84.12	86.00	6008	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	16.50	84.11	86.00	5906	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	16.75	84.10	86.00	5803	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	17.00	84.09	86.00	5701	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	17.25	84.08	86.00	5598	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	17.50	84.07	86.00	5496	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	17.75	84.06	86.00	5393	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	18.00	84.05	86.00	5291	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	18.25	84.04	86.00	5188	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	18.50	84.03	86.00	5086	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	18.75	84.02	86.00	4983	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	19.00	84.01	86.00	4881	0.00	0.06	0.1	0.1
100YR2HR BASIN-1 PRE	BASIN-1	BASE	19.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	19.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	19.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	20.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	20.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	20.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	20.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	21.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	21.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	21.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	21.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	22.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	22.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	22.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	22.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	23.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	23.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	23.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	23.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	24.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	24.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	24.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	24.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	25.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	25.25	84.00	86.00	4831	0.00	0.00	0.1	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-10	BASE	58.00	72.29	79.00	18053	0.00	0.21	3.3	3.2
100YR002HR PRE	BASIN-10	BASE	58.25	72.28	79.00	17778	0.00	0.21	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	58.50	72.27	79.00	17502	0.00	0.20	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	58.75	72.26	79.00	17226	0.00	0.20	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	59.00	72.25	79.00	16951	0.00	0.20	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	59.25	72.24	79.00	16675	0.00	0.19	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	59.50	72.23	79.00	16400	0.00	0.19	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	59.75	72.22	79.00	16124	0.00	0.19	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	60.00	72.21	79.00	15849	0.00	0.18	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	60.25	72.20	79.00	15573	0.00	0.18	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	60.50	72.18	79.00	15297	0.00	0.18	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	60.75	72.17	79.00	15022	0.00	0.17	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	61.00	72.16	79.00	14746	0.00	0.17	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	61.25	72.15	79.00	14471	0.00	0.17	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	61.50	72.14	79.00	14195	0.00	0.16	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	61.75	72.13	79.00	13920	0.00	0.16	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	62.00	72.12	79.00	13644	0.00	0.16	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	62.25	72.11	79.00	13369	0.00	0.15	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	62.50	72.10	79.00	13093	0.00	0.15	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	62.75	72.09	79.00	12817	0.00	0.15	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	63.00	72.08	79.00	12542	0.00	0.15	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	63.25	72.07	79.00	12266	0.00	0.14	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	63.50	72.06	79.00	11991	0.00	0.14	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	63.75	72.05	79.00	11715	0.00	0.14	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	64.00	72.04	79.00	11440	0.00	0.13	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	64.25	72.03	79.00	11164	0.00	0.13	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	64.50	72.02	79.00	10888	0.00	0.13	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	64.75	72.01	79.00	10613	0.00	0.12	3.3	3.3
100YR2HR BASIN-10 PRE	BASIN-10	BASE	65.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	65.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	65.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	65.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	66.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	66.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	66.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	66.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	67.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	67.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	67.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	67.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	68.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	68.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	68.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	68.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	69.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	69.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	69.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	69.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	70.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	70.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	70.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	70.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	71.00	72.00	79.00	10411	0.00	0.00	3.3	3.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-10	BASE	720.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	720.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	721.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	721.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	721.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	721.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	722.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	722.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-11	BASE	0.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	0.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	0.50	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	0.75	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	1.00	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	1.25	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	1.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	1.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	2.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	2.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	2.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	2.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	3.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	3.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	3.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	3.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	4.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	4.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	4.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	4.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	5.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	5.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	5.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	5.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	6.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	6.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	6.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	6.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	7.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	7.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	7.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	7.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	8.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	8.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	8.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	8.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	9.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	9.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	9.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	9.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	10.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	10.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	10.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	10.75	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR2HR BASIN-11 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-12	BASE	17.00	82.17	84.00	27149	0.00	0.31	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	17.25	82.16	84.00	26405	0.00	0.31	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	17.50	82.15	84.00	25660	0.00	0.30	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	17.75	82.14	84.00	24917	0.00	0.29	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	18.00	82.13	84.00	24173	0.00	0.28	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	18.25	82.12	84.00	23429	0.00	0.27	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	18.50	82.11	84.00	22685	0.00	0.26	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	18.75	82.10	84.00	21942	0.00	0.25	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	19.00	82.09	84.00	21197	0.00	0.25	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	19.25	82.08	84.00	20453	0.00	0.24	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	19.50	82.07	84.00	19710	0.00	0.23	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	19.75	82.05	84.00	18966	0.00	0.22	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	20.00	82.04	84.00	18222	0.00	0.21	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	20.25	82.03	84.00	17479	0.00	0.20	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	20.50	82.02	84.00	16734	0.00	0.19	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	20.75	82.01	84.00	15990	0.00	0.19	0.9	0.9
100YR2HR BASIN-12 PRE										
100YR002HR PRE	BASIN-12	BASE	21.00	82.00	84.00	15247	0.00	0.18	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	21.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	21.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	21.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	22.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	22.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	22.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	22.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	23.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	23.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	23.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	23.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	24.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	24.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	24.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	24.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	25.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	25.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	25.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	25.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	26.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	26.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	26.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	26.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	27.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	27.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	27.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	27.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	28.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	28.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	28.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	28.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	29.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	29.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	29.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	29.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	30.00	82.00	84.00	15050	0.00	0.00	0.9	0.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-13	BASE	49.50	80.18	89.00	700	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	49.75	80.16	89.00	695	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	50.00	80.15	89.00	691	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	50.25	80.14	89.00	687	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	50.50	80.13	89.00	683	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	50.75	80.12	89.00	678	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	51.00	80.11	89.00	674	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	51.25	80.10	89.00	670	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	51.50	80.09	89.00	665	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	51.75	80.08	89.00	661	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	52.00	80.07	89.00	657	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	52.25	80.06	89.00	652	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	52.50	80.05	89.00	648	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	52.75	80.04	89.00	644	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	53.00	80.03	89.00	639	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	53.25	80.02	89.00	635	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	53.50	80.01	89.00	631	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	53.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	54.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	54.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	54.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	54.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	55.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	55.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	55.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	55.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	56.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	56.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	56.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	56.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	57.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	57.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	57.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	57.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	58.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	58.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	58.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	58.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	59.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	59.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	59.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	59.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	60.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	60.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	60.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	60.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	61.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	61.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	61.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	61.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	62.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	62.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	62.50	80.00	89.00	627	0.00	0.00	0.1	0.1

100YR2HR BASIN-13 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-14	BASE	55.50	75.25	84.00	485	0.00	0.01	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	55.75	75.24	84.00	469	0.00	0.01	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	56.00	75.23	84.00	453	0.00	0.01	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	56.25	75.21	84.00	437	0.00	0.01	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	56.50	75.20	84.00	421	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	56.75	75.19	84.00	405	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	57.00	75.18	84.00	389	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	57.25	75.17	84.00	373	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	57.50	75.16	84.00	357	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	57.75	75.15	84.00	342	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	58.00	75.14	84.00	326	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	58.25	75.13	84.00	310	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	58.50	75.12	84.00	294	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	58.75	75.11	84.00	278	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	59.00	75.10	84.00	262	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	59.25	75.09	84.00	246	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	59.50	75.08	84.00	230	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	59.75	75.07	84.00	214	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	60.00	75.06	84.00	198	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	60.25	75.05	84.00	182	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	60.50	75.04	84.00	166	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	60.75	75.03	84.00	150	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	61.00	75.02	84.00	134	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	61.25	75.01	84.00	119	0.00	0.00	0.2	0.2
100YR2HR BASIN-14 PRE	BASIN-14	BASE	61.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	61.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	62.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	62.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	62.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	62.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	63.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	63.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	63.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	63.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	64.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	64.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	64.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	64.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	65.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	65.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	65.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	65.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	66.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	66.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	66.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	66.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	67.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	67.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	67.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	67.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	68.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	68.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	68.50	75.00	84.00	113	0.00	0.00	0.2	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-14	BASE	718.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	718.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	718.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	718.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	719.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	719.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	719.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	719.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	720.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	720.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	720.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	720.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	721.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	721.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	721.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	721.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	722.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	722.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-15	BASE	0.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	0.25	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	0.50	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	0.75	83.00	84.75	29686	0.05	0.05	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	1.00	83.00	84.75	29686	0.05	0.05	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	1.25	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	1.50	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	1.75	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	2.00	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	2.25	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	2.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	2.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	3.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	3.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	3.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	3.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	4.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	4.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	4.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	4.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	5.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	5.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	5.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	5.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	6.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	6.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	6.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	6.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	7.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	7.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	7.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	7.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	8.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	8.25	83.00	84.75	29686	0.00	0.00	0.0	0.0

100YR2HR BASIN-15 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-2	BASE	720.50	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	720.75	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	721.00	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	721.25	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	721.50	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	721.75	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	722.00	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	722.00	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-3	BASE	0.25	80.00	88.00	106042	3.65	1.23	0.0	0.0
100YR002HR PRE	BASIN-3	BASE	0.50	80.08	88.00	112056	19.84	1.30	0.3	0.0
100YR002HR PRE	BASIN-3	BASE	0.75	80.30	88.00	128165	42.12	1.48	0.9	0.1
100YR002HR PRE	BASIN-3	BASE	1.00	80.64	88.00	152846	62.60	1.77	2.0	0.1
100YR002HR PRE	BASIN-3	BASE	1.25	80.96	88.00	176345	55.08	2.04	3.2	0.1
100YR002HR PRE	BASIN-3	BASE	1.50	81.18	88.00	193229	43.68	2.24	4.2	0.2
100YR002HR PRE	BASIN-3	BASE	1.75	81.35	88.00	205627	35.48	2.38	5.1	0.2
100YR002HR PRE	BASIN-3	BASE	2.00	81.48	88.00	214993	28.85	2.49	5.7	0.3
100YR002HR PRE	BASIN-3	BASE	2.25	81.58	88.00	222139	22.52	2.57	6.3	0.3
100YR002HR PRE	BASIN-3	BASE	2.50	81.64	88.00	226992	16.02	2.63	6.7	0.4
100YR002HR PRE	BASIN-3	BASE	2.75	81.68	88.00	230120	10.99	2.66	6.9	0.4
100YR002HR PRE	BASIN-3	BASE	3.00	81.71	88.00	231937	7.14	2.68	7.1	0.5
100YR002HR PRE	BASIN-3	BASE	3.25	81.72	88.00	232794	4.40	2.69	7.2	0.6
100YR002HR PRE	BASIN-3	BASE	3.50	81.72	88.00	232982	2.40	2.70	7.3	0.6
100YR002HR PRE	BASIN-3	BASE	3.75	81.72	88.00	232705	1.20	2.69	7.3	0.7
100YR002HR PRE	BASIN-3	BASE	4.00	81.71	88.00	232186	0.61	2.69	7.4	0.7
100YR002HR PRE	BASIN-3	BASE	4.25	81.70	88.00	231537	0.27	2.68	7.4	0.8
100YR002HR PRE	BASIN-3	BASE	4.50	81.69	88.00	230817	0.09	2.67	7.4	0.8
100YR002HR PRE	BASIN-3	BASE	4.75	81.68	88.00	230061	0.01	2.66	7.4	0.9
100YR002HR PRE	BASIN-3	BASE	5.00	81.67	88.00	229292	0.00	2.65	7.4	0.9
100YR002HR PRE	BASIN-3	BASE	5.25	81.66	88.00	228524	0.00	2.64	7.4	1.0
100YR002HR PRE	BASIN-3	BASE	5.50	81.65	88.00	227754	0.00	2.64	7.4	1.1
100YR002HR PRE	BASIN-3	BASE	5.75	81.64	88.00	226985	0.00	2.63	7.4	1.1
100YR002HR PRE	BASIN-3	BASE	6.00	81.63	88.00	226216	0.00	2.62	7.4	1.2
100YR002HR PRE	BASIN-3	BASE	6.25	81.62	88.00	225447	0.00	2.61	7.4	1.2
100YR002HR PRE	BASIN-3	BASE	6.50	81.61	88.00	224677	0.00	2.60	7.4	1.3
100YR002HR PRE	BASIN-3	BASE	6.75	81.60	88.00	223907	0.00	2.59	7.4	1.3
100YR002HR PRE	BASIN-3	BASE	7.00	81.59	88.00	223139	0.00	2.58	7.4	1.4
100YR002HR PRE	BASIN-3	BASE	7.25	81.58	88.00	222369	0.00	2.57	7.4	1.4
100YR002HR PRE	BASIN-3	BASE	7.50	81.57	88.00	221599	0.00	2.56	7.4	1.5
100YR002HR PRE	BASIN-3	BASE	7.75	81.56	88.00	220831	0.00	2.56	7.4	1.5
100YR002HR PRE	BASIN-3	BASE	8.00	81.55	88.00	220061	0.00	2.55	7.4	1.6
100YR002HR PRE	BASIN-3	BASE	8.25	81.54	88.00	219292	0.00	2.54	7.4	1.6
100YR002HR PRE	BASIN-3	BASE	8.50	81.53	88.00	218523	0.00	2.53	7.4	1.7
100YR002HR PRE	BASIN-3	BASE	8.75	81.52	88.00	217754	0.00	2.52	7.4	1.7
100YR002HR PRE	BASIN-3	BASE	9.00	81.51	88.00	216984	0.00	2.51	7.4	1.8
100YR002HR PRE	BASIN-3	BASE	9.25	81.50	88.00	216214	0.00	2.50	7.4	1.8
100YR002HR PRE	BASIN-3	BASE	9.50	81.48	88.00	215446	0.00	2.49	7.4	1.9
100YR002HR PRE	BASIN-3	BASE	9.75	81.47	88.00	214676	0.00	2.48	7.4	2.0
100YR002HR PRE	BASIN-3	BASE	10.00	81.46	88.00	213907	0.00	2.48	7.4	2.0
100YR002HR PRE	BASIN-3	BASE	10.25	81.45	88.00	213138	0.00	2.47	7.4	2.1
100YR002HR PRE	BASIN-3	BASE	10.50	81.44	88.00	212369	0.00	2.46	7.4	2.1
100YR002HR PRE	BASIN-3	BASE	10.75	81.43	88.00	211599	0.00	2.45	7.4	2.2

100YR2HR BASIN-2 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-3	BASE	33.75	80.47	88.00	140824	0.00	1.63	7.4	6.0
100YR002HR PRE	BASIN-3	BASE	34.00	80.46	88.00	140054	0.00	1.62	7.4	6.1
100YR002HR PRE	BASIN-3	BASE	34.25	80.45	88.00	139286	0.00	1.61	7.4	6.1
100YR002HR PRE	BASIN-3	BASE	34.50	80.44	88.00	138516	0.00	1.60	7.4	6.1
100YR002HR PRE	BASIN-3	BASE	34.75	80.43	88.00	137746	0.00	1.59	7.4	6.2
100YR002HR PRE	BASIN-3	BASE	35.00	80.42	88.00	136976	0.00	1.59	7.4	6.2
100YR002HR PRE	BASIN-3	BASE	35.25	80.41	88.00	136208	0.00	1.58	7.4	6.2
100YR002HR PRE	BASIN-3	BASE	35.50	80.40	88.00	135438	0.00	1.57	7.4	6.3
100YR002HR PRE	BASIN-3	BASE	35.75	80.39	88.00	134669	0.00	1.56	7.4	6.3
100YR002HR PRE	BASIN-3	BASE	36.00	80.38	88.00	133900	0.00	1.55	7.4	6.3
100YR002HR PRE	BASIN-3	BASE	36.25	80.37	88.00	133131	0.00	1.54	7.4	6.4
100YR002HR PRE	BASIN-3	BASE	36.50	80.36	88.00	132361	0.00	1.53	7.4	6.4
100YR002HR PRE	BASIN-3	BASE	36.75	80.35	88.00	131593	0.00	1.52	7.4	6.4
100YR002HR PRE	BASIN-3	BASE	37.00	80.34	88.00	130823	0.00	1.51	7.4	6.5
100YR002HR PRE	BASIN-3	BASE	37.25	80.33	88.00	130053	0.00	1.51	7.4	6.5
100YR002HR PRE	BASIN-3	BASE	37.50	80.32	88.00	129285	0.00	1.50	7.4	6.5
100YR002HR PRE	BASIN-3	BASE	37.75	80.31	88.00	128515	0.00	1.49	7.4	6.5
100YR002HR PRE	BASIN-3	BASE	38.00	80.30	88.00	127745	0.00	1.48	7.4	6.6
100YR002HR PRE	BASIN-3	BASE	38.25	80.29	88.00	126976	0.00	1.47	7.4	6.6
100YR002HR PRE	BASIN-3	BASE	38.50	80.28	88.00	126207	0.00	1.46	7.4	6.6
100YR002HR PRE	BASIN-3	BASE	38.75	80.27	88.00	125438	0.00	1.45	7.4	6.7
100YR002HR PRE	BASIN-3	BASE	39.00	80.26	88.00	124668	0.00	1.44	7.4	6.7
100YR002HR PRE	BASIN-3	BASE	39.25	80.25	88.00	123900	0.00	1.43	7.4	6.7
100YR002HR PRE	BASIN-3	BASE	39.50	80.23	88.00	123130	0.00	1.43	7.4	6.8
100YR002HR PRE	BASIN-3	BASE	39.75	80.22	88.00	122360	0.00	1.42	7.4	6.8
100YR002HR PRE	BASIN-3	BASE	40.00	80.21	88.00	121592	0.00	1.41	7.4	6.8
100YR002HR PRE	BASIN-3	BASE	40.25	80.20	88.00	120822	0.00	1.40	7.4	6.8
100YR002HR PRE	BASIN-3	BASE	40.50	80.19	88.00	120053	0.00	1.39	7.4	6.9
100YR002HR PRE	BASIN-3	BASE	40.75	80.18	88.00	119283	0.00	1.38	7.4	6.9
100YR002HR PRE	BASIN-3	BASE	41.00	80.17	88.00	118514	0.00	1.37	7.4	6.9
100YR002HR PRE	BASIN-3	BASE	41.25	80.16	88.00	117745	0.00	1.36	7.4	7.0
100YR002HR PRE	BASIN-3	BASE	41.50	80.15	88.00	116975	0.00	1.35	7.4	7.0
100YR002HR PRE	BASIN-3	BASE	41.75	80.14	88.00	116207	0.00	1.34	7.4	7.0
100YR002HR PRE	BASIN-3	BASE	42.00	80.13	88.00	115437	0.00	1.34	7.4	7.0
100YR002HR PRE	BASIN-3	BASE	42.25	80.12	88.00	114667	0.00	1.33	7.4	7.1
100YR002HR PRE	BASIN-3	BASE	42.50	80.11	88.00	113899	0.00	1.32	7.4	7.1
100YR002HR PRE	BASIN-3	BASE	42.75	80.10	88.00	113129	0.00	1.31	7.4	7.1
100YR002HR PRE	BASIN-3	BASE	43.00	80.09	88.00	112360	0.00	1.30	7.4	7.2
100YR002HR PRE	BASIN-3	BASE	43.25	80.08	88.00	111590	0.00	1.29	7.4	7.2
100YR002HR PRE	BASIN-3	BASE	43.50	80.07	88.00	110822	0.00	1.28	7.4	7.2
100YR002HR PRE	BASIN-3	BASE	43.75	80.06	88.00	110052	0.00	1.27	7.4	7.2
100YR002HR PRE	BASIN-3	BASE	44.00	80.05	88.00	109282	0.00	1.26	7.4	7.3
100YR002HR PRE	BASIN-3	BASE	44.25	80.04	88.00	108514	0.00	1.26	7.4	7.3
100YR002HR PRE	BASIN-3	BASE	44.50	80.03	88.00	107744	0.00	1.25	7.4	7.3
100YR002HR PRE	BASIN-3	BASE	44.75	80.02	88.00	106974	0.00	1.24	7.4	7.3
100YR002HR PRE	BASIN-3	BASE	45.00	80.01	88.00	106206	0.00	1.23	7.4	7.4
100YR2HR BASIN-3 PRE	BASIN-3	BASE	45.25	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR002HR PRE	BASIN-3	BASE	45.50	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR002HR PRE	BASIN-3	BASE	45.75	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR002HR PRE	BASIN-3	BASE	46.00	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR002HR PRE	BASIN-3	BASE	46.25	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR002HR PRE	BASIN-3	BASE	46.50	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR002HR PRE	BASIN-3	BASE	46.75	80.00	88.00	105790	0.00	0.00	7.4	7.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-4	BASE	39.75	81.25	87.00	12422	0.00	0.14	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	40.00	81.24	87.00	12227	0.00	0.14	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	40.25	81.23	87.00	12033	0.00	0.14	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	40.50	81.22	87.00	11838	0.00	0.14	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	40.75	81.21	87.00	11643	0.00	0.13	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	41.00	81.20	87.00	11449	0.00	0.13	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	41.25	81.19	87.00	11254	0.00	0.13	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	41.50	81.18	87.00	11059	0.00	0.13	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	41.75	81.17	87.00	10864	0.00	0.13	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	42.00	81.16	87.00	10670	0.00	0.12	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	42.25	81.15	87.00	10475	0.00	0.12	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	42.50	81.14	87.00	10280	0.00	0.12	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	42.75	81.13	87.00	10086	0.00	0.12	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	43.00	81.12	87.00	9891	0.00	0.11	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	43.25	81.11	87.00	9696	0.00	0.11	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	43.50	81.10	87.00	9501	0.00	0.11	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	43.75	81.09	87.00	9307	0.00	0.11	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	44.00	81.08	87.00	9112	0.00	0.11	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	44.25	81.07	87.00	8917	0.00	0.10	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	44.50	81.06	87.00	8723	0.00	0.10	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	44.75	81.05	87.00	8528	0.00	0.10	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	45.00	81.04	87.00	8333	0.00	0.10	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	45.25	81.03	87.00	8138	0.00	0.09	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	45.50	81.01	87.00	7944	0.00	0.09	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	45.75	81.00	87.00	7749	0.00	0.09	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	46.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	46.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	46.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	46.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	47.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	47.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	47.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	47.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	48.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	48.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	48.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	48.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	49.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	49.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	49.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	49.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	50.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	50.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	50.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	50.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	51.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	51.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	51.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	51.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	52.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	52.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	52.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	52.75	81.00	87.00	7667	0.00	0.00	1.2	1.2

100YR2HR BASIN-4 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-5	BASE	59.00	85.31	89.00	40194	0.00	0.47	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	59.25	85.30	89.00	39815	0.00	0.46	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	59.50	85.29	89.00	39435	0.00	0.46	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	59.75	85.28	89.00	39056	0.00	0.45	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	60.00	85.26	89.00	38676	0.00	0.45	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	60.25	85.25	89.00	38297	0.00	0.44	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	60.50	85.24	89.00	37917	0.00	0.44	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	60.75	85.23	89.00	37538	0.00	0.43	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	61.00	85.22	89.00	37159	0.00	0.43	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	61.25	85.21	89.00	36779	0.00	0.43	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	61.50	85.20	89.00	36400	0.00	0.42	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	61.75	85.19	89.00	36020	0.00	0.42	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	62.00	85.18	89.00	35641	0.00	0.41	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	62.25	85.17	89.00	35262	0.00	0.41	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	62.50	85.16	89.00	34882	0.00	0.40	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	62.75	85.15	89.00	34503	0.00	0.40	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	63.00	85.14	89.00	34123	0.00	0.39	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	63.25	85.13	89.00	33744	0.00	0.39	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	63.50	85.12	89.00	33364	0.00	0.39	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	63.75	85.11	89.00	32985	0.00	0.38	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	64.00	85.10	89.00	32606	0.00	0.38	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	64.25	85.09	89.00	32226	0.00	0.37	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	64.50	85.08	89.00	31846	0.00	0.37	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	64.75	85.07	89.00	31468	0.00	0.36	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	65.00	85.06	89.00	31088	0.00	0.36	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	65.25	85.05	89.00	30708	0.00	0.36	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	65.50	85.04	89.00	30329	0.00	0.35	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	65.75	85.03	89.00	29950	0.00	0.35	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	66.00	85.01	89.00	29570	0.00	0.34	7.0	7.0
100YR2HR BASIN-5 PRE	BASIN-5	BASE	66.25	85.00	89.00	29190	0.00	0.34	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	66.50	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	66.75	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	67.00	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	67.25	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	67.50	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	67.75	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	68.00	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	68.25	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	68.50	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	68.75	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	69.00	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	69.25	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	69.50	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	69.75	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	70.00	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	70.25	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	70.50	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	70.75	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	71.00	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	71.25	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	71.50	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	71.75	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	72.00	85.00	89.00	29028	0.00	0.00	7.0	7.0

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-6	BASE	51.75	82.14	87.00	18116	0.00	0.21	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	52.00	82.13	87.00	17879	0.00	0.21	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	52.25	82.12	87.00	17643	0.00	0.20	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	52.50	82.10	87.00	17407	0.00	0.20	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	52.75	82.09	87.00	17171	0.00	0.20	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	53.00	82.08	87.00	16934	0.00	0.20	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	53.25	82.07	87.00	16698	0.00	0.19	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	53.50	82.06	87.00	16462	0.00	0.19	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	53.75	82.05	87.00	16226	0.00	0.19	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	54.00	82.04	87.00	15990	0.00	0.19	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	54.25	82.03	87.00	15753	0.00	0.18	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	54.50	82.02	87.00	15517	0.00	0.18	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	54.75	82.01	87.00	15281	0.00	0.18	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	55.00	82.00	87.00	15045	0.00	0.17	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	55.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	55.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	55.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	56.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	56.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	56.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	56.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	57.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	57.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	57.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	57.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	58.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	58.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	58.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	58.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	59.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	59.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	59.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	59.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	60.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	60.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	60.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	60.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	61.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	61.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	61.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	61.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	62.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	62.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	62.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	62.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	63.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	63.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	63.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	63.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	64.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	64.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	64.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	64.75	82.00	87.00	15028	0.00	0.00	2.2	2.2

100YR2HR BASIN-6 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-7	BASE	31.25	75.45	80.00	48609	0.00	0.56	3.0	2.6
100YR002HR PRE	BASIN-7	BASE	31.50	75.44	80.00	47858	0.00	0.55	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	31.75	75.43	80.00	47109	0.00	0.55	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	32.00	75.42	80.00	46358	0.00	0.54	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	32.25	75.41	80.00	45607	0.00	0.53	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	32.50	75.39	80.00	44856	0.00	0.52	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	32.75	75.38	80.00	44107	0.00	0.51	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	33.00	75.37	80.00	43356	0.00	0.50	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	33.25	75.36	80.00	42605	0.00	0.49	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	33.50	75.35	80.00	41856	0.00	0.48	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	33.75	75.34	80.00	41105	0.00	0.48	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	34.00	75.33	80.00	40354	0.00	0.47	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	34.25	75.32	80.00	39605	0.00	0.46	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	34.50	75.31	80.00	38854	0.00	0.45	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	34.75	75.30	80.00	38103	0.00	0.44	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	35.00	75.29	80.00	37352	0.00	0.43	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	35.25	75.28	80.00	36603	0.00	0.42	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	35.50	75.27	80.00	35852	0.00	0.41	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	35.75	75.26	80.00	35101	0.00	0.41	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	36.00	75.25	80.00	34352	0.00	0.40	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	36.25	75.24	80.00	33601	0.00	0.39	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	36.50	75.23	80.00	32850	0.00	0.38	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	36.75	75.22	80.00	32101	0.00	0.37	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	37.00	75.21	80.00	31350	0.00	0.36	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	37.25	75.20	80.00	30600	0.00	0.35	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	37.50	75.19	80.00	29850	0.00	0.35	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	37.75	75.18	80.00	29099	0.00	0.34	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	38.00	75.17	80.00	28349	0.00	0.33	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	38.25	75.16	80.00	27598	0.00	0.32	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	38.50	75.14	80.00	26848	0.00	0.31	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	38.75	75.13	80.00	26098	0.00	0.30	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	39.00	75.12	80.00	25347	0.00	0.29	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	39.25	75.11	80.00	24597	0.00	0.28	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	39.50	75.10	80.00	23847	0.00	0.28	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	39.75	75.09	80.00	23096	0.00	0.27	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	40.00	75.08	80.00	22346	0.00	0.26	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	40.25	75.07	80.00	21596	0.00	0.25	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	40.50	75.06	80.00	20845	0.00	0.24	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	40.75	75.05	80.00	20094	0.00	0.23	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	41.00	75.04	80.00	19345	0.00	0.22	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	41.25	75.03	80.00	18594	0.00	0.22	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	41.50	75.02	80.00	17843	0.00	0.21	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	41.75	75.01	80.00	17094	0.00	0.20	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	42.00	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	42.25	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	42.50	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	42.75	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	43.00	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	43.25	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	43.50	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	43.75	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	44.00	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	44.25	75.00	80.00	16431	0.00	0.00	3.0	3.0

100YR2HR BASIN-7 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-7	BASE	720.25	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	720.50	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	720.75	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	721.00	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	721.25	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	721.50	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	721.75	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	722.00	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	722.00	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-8	BASE	0.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-8	BASE	0.25	86.00	87.00	26706	0.41	0.39	0.0	0.0
100YR002HR PRE	BASIN-8	BASE	0.50	86.01	87.00	26899	1.37	1.08	0.0	0.0
100YR002HR PRE	BASIN-8	BASE	0.75	86.02	87.00	27412	2.34	1.77	0.1	0.0
100YR002HR PRE	BASIN-8	BASE	1.00	86.04	87.00	28055	2.64	2.33	0.1	0.1
100YR002HR PRE	BASIN-8	BASE	1.25	86.04	87.00	27994	1.97	2.29	0.2	0.1
100YR002HR PRE	BASIN-8	BASE	1.50	86.02	87.00	27538	1.49	1.90	0.2	0.2
100YR002HR PRE	BASIN-8	BASE	1.75	86.01	87.00	27122	1.14	1.43	0.2	0.2
100YR002HR PRE	BASIN-8	BASE	2.00	86.00	87.00	26849	0.80	0.97	0.2	0.2
100YR002HR PRE	BASIN-8	BASE	2.25	86.00	87.00	26716	0.45	0.50	0.3	0.3
100YR002HR PRE	BASIN-8	BASE	2.50	86.00	87.00	26705	0.22	0.22	0.3	0.3
100YR002HR PRE	BASIN-8	BASE	2.75	86.00	87.00	26705	0.10	0.11	0.3	0.3
100YR002HR PRE	BASIN-8	BASE	3.00	86.00	87.00	26705	0.05	0.10	0.3	0.3
100YR002HR PRE	BASIN-8	BASE	3.25	86.00	87.00	115	0.02	-0.60	0.3	0.3
100YR002HR PRE	BASIN-8	BASE	3.50	86.00	87.00	115	0.00	-0.61	0.3	0.3
100YR002HR PRE	BASIN-8	BASE	3.75	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	4.00	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	4.25	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	4.50	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	4.75	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	5.00	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	5.25	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	5.50	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	5.75	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	6.00	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	6.25	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	6.50	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	6.75	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	7.00	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	7.25	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	7.50	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR002HR PRE	BASIN-8	BASE	7.75	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR002HR PRE	BASIN-8	BASE	8.00	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR002HR PRE	BASIN-8	BASE	8.25	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR002HR PRE	BASIN-8	BASE	8.50	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR002HR PRE	BASIN-8	BASE	8.75	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR002HR PRE	BASIN-8	BASE	9.00	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR002HR PRE	BASIN-8	BASE	9.25	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR002HR PRE	BASIN-8	BASE	9.50	86.00	87.00	115	0.00	-0.62	0.3	-0.1
100YR002HR PRE	BASIN-8	BASE	9.75	86.00	87.00	115	0.00	-0.62	0.3	-0.1
100YR002HR PRE	BASIN-8	BASE	10.00	86.00	87.00	115	0.00	-0.62	0.3	-0.1
100YR002HR PRE	BASIN-8	BASE	10.25	86.00	87.00	115	0.00	-0.62	0.3	-0.1
100YR002HR PRE	BASIN-8	BASE	10.50	86.00	87.00	115	0.00	-0.62	0.3	-0.1

100YR2HR BASIN-8 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-9	BASE	69.75	72.28	79.75	1887	0.00	0.02	1.1	1.0
100YR002HR PRE	BASIN-9	BASE	70.00	72.27	79.75	1849	0.00	0.02	1.1	1.0
100YR002HR PRE	BASIN-9	BASE	70.25	72.26	79.75	1812	0.00	0.02	1.1	1.0
100YR002HR PRE	BASIN-9	BASE	70.50	72.25	79.75	1774	0.00	0.02	1.1	1.0
100YR002HR PRE	BASIN-9	BASE	70.75	72.24	79.75	1736	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	71.00	72.23	79.75	1699	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	71.25	72.22	79.75	1661	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	71.50	72.21	79.75	1624	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	71.75	72.20	79.75	1586	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	72.00	72.19	79.75	1548	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	72.25	72.17	79.75	1511	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	72.50	72.16	79.75	1473	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	72.75	72.15	79.75	1435	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	73.00	72.14	79.75	1398	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	73.25	72.13	79.75	1360	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	73.50	72.12	79.75	1323	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	73.75	72.11	79.75	1285	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	74.00	72.10	79.75	1247	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	74.25	72.09	79.75	1210	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	74.50	72.08	79.75	1172	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	74.75	72.07	79.75	1135	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	75.00	72.06	79.75	1097	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	75.25	72.05	79.75	1059	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	75.50	72.04	79.75	1022	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	75.75	72.03	79.75	984	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	76.00	72.02	79.75	946	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	76.25	72.01	79.75	909	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	76.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	76.75	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	77.00	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	77.25	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	77.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	77.75	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	78.00	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	78.25	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	78.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	78.75	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	79.00	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	79.25	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	79.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	79.75	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	80.00	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	80.25	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	80.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	80.75	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	81.00	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	81.25	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	81.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	81.75	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	82.00	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	82.25	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	82.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	82.75	72.00	79.75	880	0.00	0.00	1.1	1.1

100YR2HR BASIN-9 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-1	BASE	20.83	84.09	86.00	5723	0.00	0.07	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	20.92	84.09	86.00	5689	0.00	0.07	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.00	84.08	86.00	5655	0.00	0.07	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.08	84.08	86.00	5620	0.00	0.07	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.17	84.08	86.00	5586	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.25	84.07	86.00	5552	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.33	84.07	86.00	5518	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.42	84.07	86.00	5484	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.50	84.06	86.00	5449	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.58	84.06	86.00	5415	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.67	84.06	86.00	5381	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.75	84.05	86.00	5347	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.83	84.05	86.00	5313	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.92	84.05	86.00	5279	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.00	84.04	86.00	5245	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.08	84.04	86.00	5210	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.17	84.04	86.00	5176	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.25	84.03	86.00	5142	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.33	84.03	86.00	5108	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.42	84.02	86.00	5074	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.50	84.02	86.00	5039	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.58	84.02	86.00	5005	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.67	84.01	86.00	4971	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.75	84.01	86.00	4937	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.83	84.01	86.00	4903	0.00	0.06	0.2	0.2
100YR4HR BASIN-1 PRE	BASIN-1	BASE	22.92	84.00	86.00	4869	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.00	84.00	86.00	4835	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.00	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	25.00	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	25.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	25.17	84.00	86.00	4831	0.00	0.00	0.2	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-10	BASE	69.58	72.09	79.00	12819	0.00	0.15	4.2	4.1
100YR004HR PRE	BASIN-10	BASE	69.67	72.09	79.00	12728	0.00	0.15	4.2	4.1
100YR004HR PRE	BASIN-10	BASE	69.75	72.08	79.00	12636	0.00	0.15	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	69.83	72.08	79.00	12544	0.00	0.15	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	69.92	72.08	79.00	12452	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.00	72.07	79.00	12360	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.08	72.07	79.00	12268	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.17	72.07	79.00	12176	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.25	72.06	79.00	12084	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.33	72.06	79.00	11992	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.42	72.06	79.00	11901	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.50	72.05	79.00	11809	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.58	72.05	79.00	11717	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.67	72.05	79.00	11625	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.75	72.04	79.00	11533	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.83	72.04	79.00	11442	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.92	72.04	79.00	11350	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.00	72.03	79.00	11258	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.08	72.03	79.00	11166	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.17	72.03	79.00	11074	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.25	72.02	79.00	10982	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.33	72.02	79.00	10891	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.42	72.01	79.00	10799	0.00	0.12	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.50	72.01	79.00	10707	0.00	0.12	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.58	72.01	79.00	10615	0.00	0.12	4.2	4.2
100YR4HR BASIN-10 PRE	BASIN-10	BASE	71.67	72.00	79.00	10523	0.00	0.12	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.75	72.00	79.00	10431	0.00	0.12	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.83	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.92	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.00	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.08	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.17	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.25	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.33	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.42	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.50	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.58	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.67	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.75	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.83	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.92	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.00	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.08	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.17	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.25	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.33	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.42	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.50	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.58	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.67	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.75	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.83	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.92	72.00	79.00	10411	0.00	0.00	4.2	4.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-11	BASE	3.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	3.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	3.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	3.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	3.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	3.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.09	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.51	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.59	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.76	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.83	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR4HR BASIN-11 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-12	BASE	21.33	82.15	84.00	25548	0.00	0.30	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.42	82.14	84.00	25300	0.00	0.29	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.50	82.14	84.00	25052	0.00	0.29	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.58	82.14	84.00	24804	0.00	0.29	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.67	82.13	84.00	24556	0.00	0.28	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.75	82.13	84.00	24308	0.00	0.28	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.83	82.13	84.00	24061	0.00	0.28	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.92	82.12	84.00	23813	0.00	0.28	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	22.00	82.12	84.00	23565	0.00	0.27	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	22.08	82.12	84.00	23317	0.00	0.27	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	22.17	82.11	84.00	23069	0.00	0.27	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	22.25	82.11	84.00	22821	0.00	0.26	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	22.33	82.11	84.00	22572	0.00	0.26	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	22.42	82.10	84.00	22324	0.00	0.26	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	22.50	82.10	84.00	22076	0.00	0.26	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	22.58	82.09	84.00	21828	0.00	0.25	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	22.67	82.09	84.00	21581	0.00	0.25	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	22.75	82.09	84.00	21333	0.00	0.25	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	22.83	82.08	84.00	21085	0.00	0.24	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	22.92	82.08	84.00	20837	0.00	0.24	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.00	82.08	84.00	20589	0.00	0.24	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.08	82.07	84.00	20341	0.00	0.24	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.17	82.07	84.00	20093	0.00	0.23	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.25	82.07	84.00	19845	0.00	0.23	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.33	82.06	84.00	19597	0.00	0.23	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.42	82.06	84.00	19349	0.00	0.22	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.50	82.06	84.00	19102	0.00	0.22	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.58	82.05	84.00	18854	0.00	0.22	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.67	82.05	84.00	18606	0.00	0.22	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.75	82.05	84.00	18358	0.00	0.21	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.83	82.04	84.00	18109	0.00	0.21	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.92	82.04	84.00	17861	0.00	0.21	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.00	82.04	84.00	17613	0.00	0.20	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.08	82.03	84.00	17365	0.00	0.20	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.17	82.03	84.00	17117	0.00	0.20	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.25	82.03	84.00	16869	0.00	0.20	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.33	82.02	84.00	16622	0.00	0.19	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.42	82.02	84.00	16374	0.00	0.19	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.50	82.02	84.00	16126	0.00	0.19	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.58	82.01	84.00	15878	0.00	0.18	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.67	82.01	84.00	15630	0.00	0.18	1.1	1.1
100YR4HR BASIN-12 PRE	BASIN-12	BASE	24.75	82.00	84.00	15382	0.00	0.18	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.83	82.00	84.00	15134	0.00	0.18	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.92	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.00	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.08	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.17	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.25	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.33	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.42	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.50	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.58	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.67	82.00	84.00	15050	0.00	0.00	1.1	1.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-13	BASE	61.25	80.10	89.00	669	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.33	80.10	89.00	667	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.42	80.09	89.00	666	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.50	80.09	89.00	665	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.58	80.09	89.00	663	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.67	80.08	89.00	662	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.75	80.08	89.00	660	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.83	80.08	89.00	659	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.92	80.07	89.00	657	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.00	80.07	89.00	656	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.08	80.07	89.00	655	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.17	80.06	89.00	653	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.25	80.06	89.00	652	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.33	80.06	89.00	650	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.42	80.05	89.00	649	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.50	80.05	89.00	647	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.58	80.04	89.00	646	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.67	80.04	89.00	644	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.75	80.04	89.00	643	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.83	80.03	89.00	642	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.92	80.03	89.00	640	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.00	80.03	89.00	639	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.08	80.02	89.00	637	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.17	80.02	89.00	636	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.25	80.02	89.00	634	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.33	80.01	89.00	633	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.42	80.01	89.00	632	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.50	80.01	89.00	630	0.00	0.01	0.1	0.1
100YR4HR BASIN-13 PRE	BASIN-13	BASE	63.58	80.00	89.00	629	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.08	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.58	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.08	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.58	80.00	89.00	627	0.00	0.00	0.1	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-14	BASE	65.83	75.11	84.00	276	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	65.92	75.11	84.00	271	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.00	75.10	84.00	266	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.08	75.10	84.00	260	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.17	75.10	84.00	255	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.25	75.09	84.00	250	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.33	75.09	84.00	245	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.42	75.09	84.00	239	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.50	75.08	84.00	234	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.58	75.08	84.00	229	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.67	75.07	84.00	223	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.75	75.07	84.00	218	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.83	75.07	84.00	213	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.92	75.06	84.00	207	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.00	75.06	84.00	202	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.08	75.06	84.00	197	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.17	75.05	84.00	191	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.25	75.05	84.00	186	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.33	75.05	84.00	181	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.42	75.04	84.00	176	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.50	75.04	84.00	170	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.58	75.04	84.00	165	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.67	75.03	84.00	160	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.75	75.03	84.00	154	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.83	75.03	84.00	149	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.92	75.02	84.00	144	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.00	75.02	84.00	138	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.08	75.02	84.00	133	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.17	75.01	84.00	128	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.25	75.01	84.00	122	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.33	75.01	84.00	117	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	70.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	70.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	70.17	75.00	84.00	113	0.00	0.00	0.2	0.2

100YR4HR BASIN-14 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-14	BASE	723.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	724.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-15	BASE	0.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.33	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.58	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.67	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.75	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.83	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.92	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.00	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.08	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.17	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.25	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.33	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.42	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.50	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.58	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.67	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.75	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.83	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.92	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.00	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.08	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.17	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.25	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.33	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.42	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.50	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.58	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.67	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.75	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.83	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.92	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.00	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.08	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.17	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.25	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.33	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.42	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.50	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.58	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.67	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.75	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.83	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.92	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR BASIN-15 PRE	BASIN-15	BASE	4.00	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	4.09	83.00	84.75	29686	0.00	0.00	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-2	BASE	713.50	46.05	84.25	2115	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	713.75	46.05	84.25	2115	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	714.00	46.05	84.25	2115	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	714.25	46.05	84.25	2115	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	714.50	46.05	84.25	2115	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	714.75	46.05	84.25	2115	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	715.00	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	715.25	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	715.50	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	715.75	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	716.00	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	716.25	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	716.50	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	716.75	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	717.00	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	717.25	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	717.50	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	717.75	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	718.00	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	718.25	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	718.50	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	718.75	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	719.00	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	719.25	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	719.50	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	719.75	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	720.00	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	720.25	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	720.50	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	720.75	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	721.00	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	721.25	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	721.50	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	721.75	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	722.00	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	722.25	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	722.50	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	722.75	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	723.00	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	723.25	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	723.50	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	723.75	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	724.00	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	724.00	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.08	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.17	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.25	80.00	88.00	105790	0.06	0.06	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.33	80.00	88.00	105790	0.31	0.31	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.42	80.00	88.00	105791	0.86	0.86	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.50	80.00	88.00	105816	1.66	1.22	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.58	80.00	88.00	106011	2.65	1.23	0.0	0.0

100YR4HR BASIN-2 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-3	BASE	48.67	80.09	88.00	112551	0.00	1.30	8.6	8.3
100YR004HR PRE	BASIN-3	BASE	48.75	80.09	88.00	112294	0.00	1.30	8.6	8.3
100YR004HR PRE	BASIN-3	BASE	48.83	80.08	88.00	112038	0.00	1.30	8.6	8.3
100YR004HR PRE	BASIN-3	BASE	48.92	80.08	88.00	111781	0.00	1.29	8.6	8.3
100YR004HR PRE	BASIN-3	BASE	49.00	80.08	88.00	111525	0.00	1.29	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.08	80.07	88.00	111270	0.00	1.29	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.17	80.07	88.00	111013	0.00	1.28	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.25	80.07	88.00	110756	0.00	1.28	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.33	80.06	88.00	110500	0.00	1.28	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.42	80.06	88.00	110243	0.00	1.28	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.50	80.06	88.00	109987	0.00	1.27	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.58	80.05	88.00	109730	0.00	1.27	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.67	80.05	88.00	109474	0.00	1.27	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.75	80.05	88.00	109217	0.00	1.26	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.83	80.04	88.00	108962	0.00	1.26	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.92	80.04	88.00	108705	0.00	1.26	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.00	80.04	88.00	108449	0.00	1.26	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.08	80.03	88.00	108192	0.00	1.25	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.17	80.03	88.00	107935	0.00	1.25	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.25	80.03	88.00	107679	0.00	1.25	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.33	80.02	88.00	107422	0.00	1.24	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.42	80.02	88.00	107166	0.00	1.24	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.50	80.02	88.00	106909	0.00	1.24	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.58	80.01	88.00	106653	0.00	1.23	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.67	80.01	88.00	106397	0.00	1.23	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.75	80.00	88.00	106141	0.00	1.23	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.83	80.00	88.00	105884	0.00	1.23	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.00	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.08	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.17	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.25	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.33	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.42	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.50	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.58	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.67	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.75	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.83	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.00	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.08	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.17	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.25	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.33	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.42	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.50	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.58	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.67	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.75	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.83	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	53.00	80.00	88.00	105790	0.00	0.00	8.6	8.6

100YR4HR BASIN-3 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-4	BASE	44.42	81.12	87.00	9907	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	44.50	81.12	87.00	9842	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	44.58	81.11	87.00	9777	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	44.67	81.11	87.00	9712	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	44.75	81.11	87.00	9647	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	44.83	81.10	87.00	9583	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	44.92	81.10	87.00	9518	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.00	81.10	87.00	9453	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.08	81.09	87.00	9388	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.17	81.09	87.00	9323	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.25	81.09	87.00	9258	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.33	81.08	87.00	9193	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.42	81.08	87.00	9128	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.50	81.07	87.00	9063	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.58	81.07	87.00	8998	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.67	81.07	87.00	8933	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.75	81.06	87.00	8869	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.83	81.06	87.00	8804	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.92	81.06	87.00	8739	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.00	81.05	87.00	8674	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.08	81.05	87.00	8609	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.17	81.05	87.00	8544	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.25	81.04	87.00	8479	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.33	81.04	87.00	8414	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.42	81.04	87.00	8349	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.50	81.03	87.00	8284	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.58	81.03	87.00	8220	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.67	81.03	87.00	8155	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.75	81.02	87.00	8090	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.83	81.02	87.00	8025	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.92	81.02	87.00	7960	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	47.00	81.01	87.00	7895	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	47.08	81.01	87.00	7830	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	47.17	81.01	87.00	7765	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	47.25	81.00	87.00	7700	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	47.33	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.42	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.50	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.58	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.67	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.75	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.83	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.92	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.00	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.08	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.17	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.25	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.33	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.42	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.50	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.58	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.67	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.75	81.00	87.00	7667	0.00	0.00	1.3	1.3

100YR4HR BASIN-4 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-5	BASE	71.08	85.12	89.00	33534	0.00	0.39	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.17	85.12	89.00	33407	0.00	0.39	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.25	85.12	89.00	33281	0.00	0.39	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.33	85.11	89.00	33155	0.00	0.38	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.42	85.11	89.00	33028	0.00	0.38	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.50	85.11	89.00	32902	0.00	0.38	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.58	85.10	89.00	32775	0.00	0.38	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.67	85.10	89.00	32649	0.00	0.38	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.75	85.10	89.00	32522	0.00	0.38	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.83	85.09	89.00	32396	0.00	0.37	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.92	85.09	89.00	32269	0.00	0.37	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	72.00	85.09	89.00	32142	0.00	0.37	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.08	85.08	89.00	32016	0.00	0.37	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.17	85.08	89.00	31890	0.00	0.37	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.25	85.08	89.00	31763	0.00	0.37	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.33	85.07	89.00	31637	0.00	0.37	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.42	85.07	89.00	31510	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.50	85.06	89.00	31384	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.58	85.06	89.00	31257	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.67	85.06	89.00	31131	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.75	85.05	89.00	31004	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.83	85.05	89.00	30878	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.92	85.05	89.00	30752	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.00	85.04	89.00	30625	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.08	85.04	89.00	30499	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.17	85.04	89.00	30372	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.25	85.03	89.00	30246	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.33	85.03	89.00	30119	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.42	85.03	89.00	29993	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.50	85.02	89.00	29866	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.58	85.02	89.00	29739	0.00	0.34	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.67	85.02	89.00	29613	0.00	0.34	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.75	85.01	89.00	29487	0.00	0.34	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.83	85.01	89.00	29361	0.00	0.34	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.92	85.01	89.00	29234	0.00	0.34	9.0	9.0
100YR4HR BASIN-5 PRE	BASIN-5	BASE	74.00	85.00	89.00	29107	0.00	0.34	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.08	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.17	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.25	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.33	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.42	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.50	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.58	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.67	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.75	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.83	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.92	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	75.00	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	75.08	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	75.17	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	75.25	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	75.33	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	75.42	85.00	89.00	29028	0.00	0.00	9.0	9.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-6	BASE	62.42	82.02	87.00	15540	0.00	0.18	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	62.50	82.02	87.00	15461	0.00	0.18	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	62.58	82.02	87.00	15383	0.00	0.18	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	62.67	82.01	87.00	15304	0.00	0.18	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	62.75	82.01	87.00	15225	0.00	0.18	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	62.83	82.01	87.00	15146	0.00	0.18	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	62.92	82.00	87.00	15068	0.00	0.17	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.00	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.08	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.17	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.25	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.33	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.42	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.50	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.58	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.67	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.75	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.83	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.92	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.00	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.08	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.17	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.25	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.33	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.42	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.50	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.58	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.67	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.75	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.83	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.92	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.00	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.08	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.17	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.25	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.33	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.42	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.50	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.58	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.67	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.75	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.83	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.92	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.00	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.08	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.17	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.25	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.33	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.42	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.50	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.58	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.67	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.75	82.00	87.00	15028	0.00	0.00	2.8	2.8

100YR4HR BASIN-6 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-7	BASE	44.92	75.15	80.00	27237	0.00	0.32	3.7	3.6
100YR004HR PRE	BASIN-7	BASE	45.00	75.15	80.00	26986	0.00	0.31	3.7	3.6
100YR004HR PRE	BASIN-7	BASE	45.08	75.14	80.00	26736	0.00	0.31	3.7	3.6
100YR004HR PRE	BASIN-7	BASE	45.17	75.14	80.00	26486	0.00	0.31	3.7	3.6
100YR004HR PRE	BASIN-7	BASE	45.25	75.14	80.00	26235	0.00	0.30	3.7	3.6
100YR004HR PRE	BASIN-7	BASE	45.33	75.13	80.00	25985	0.00	0.30	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.42	75.13	80.00	25735	0.00	0.30	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.50	75.13	80.00	25485	0.00	0.29	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.58	75.12	80.00	25234	0.00	0.29	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.67	75.12	80.00	24984	0.00	0.29	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.75	75.12	80.00	24735	0.00	0.29	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.83	75.11	80.00	24485	0.00	0.28	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.92	75.11	80.00	24235	0.00	0.28	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.00	75.10	80.00	23985	0.00	0.28	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.08	75.10	80.00	23734	0.00	0.27	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.17	75.10	80.00	23484	0.00	0.27	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.25	75.09	80.00	23234	0.00	0.27	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.33	75.09	80.00	22983	0.00	0.27	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.42	75.09	80.00	22733	0.00	0.26	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.50	75.08	80.00	22483	0.00	0.26	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.58	75.08	80.00	22234	0.00	0.26	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.67	75.08	80.00	21984	0.00	0.25	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.75	75.07	80.00	21734	0.00	0.25	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.83	75.07	80.00	21483	0.00	0.25	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.92	75.07	80.00	21233	0.00	0.25	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.00	75.06	80.00	20983	0.00	0.24	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.08	75.06	80.00	20733	0.00	0.24	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.17	75.06	80.00	20482	0.00	0.24	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.25	75.05	80.00	20232	0.00	0.23	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.33	75.05	80.00	19982	0.00	0.23	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.42	75.05	80.00	19733	0.00	0.23	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.50	75.04	80.00	19483	0.00	0.23	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.58	75.04	80.00	19232	0.00	0.22	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.67	75.04	80.00	18982	0.00	0.22	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.75	75.03	80.00	18732	0.00	0.22	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.83	75.03	80.00	18482	0.00	0.21	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.92	75.02	80.00	18231	0.00	0.21	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.00	75.02	80.00	17981	0.00	0.21	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.08	75.02	80.00	17731	0.00	0.21	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.17	75.01	80.00	17480	0.00	0.20	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.25	75.01	80.00	17232	0.00	0.20	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.33	75.01	80.00	16981	0.00	0.20	3.7	3.7
100YR4HR BASIN-7 PRE	BASIN-7	BASE	48.42	75.00	80.00	16731	0.00	0.19	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.50	75.00	80.00	16481	0.00	0.19	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.58	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.67	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.75	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.83	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.92	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	49.00	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	49.08	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	49.17	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	49.25	75.00	80.00	16431	0.00	0.00	3.7	3.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-8	BASE	0.92	86.00	87.00	26715	0.53	0.49	0.0	-0.0
100YR004HR PRE	BASIN-8	BASE	1.00	86.00	87.00	26726	0.59	0.57	0.0	-0.0
100YR004HR PRE	BASIN-8	BASE	1.08	86.00	87.00	26737	0.65	0.62	0.0	-0.0
100YR004HR PRE	BASIN-8	BASE	1.17	86.00	87.00	26756	0.77	0.70	0.0	-0.0
100YR004HR PRE	BASIN-8	BASE	1.25	86.00	87.00	26788	0.90	0.81	0.0	-0.0
100YR004HR PRE	BASIN-8	BASE	1.33	86.00	87.00	26826	1.02	0.91	0.0	0.0
100YR004HR PRE	BASIN-8	BASE	1.42	86.00	87.00	26867	1.11	1.01	0.0	0.0
100YR004HR PRE	BASIN-8	BASE	1.50	86.01	87.00	26905	1.18	1.09	0.1	0.0
100YR004HR PRE	BASIN-8	BASE	1.58	86.01	87.00	26944	1.26	1.16	0.1	0.0
100YR004HR PRE	BASIN-8	BASE	1.67	86.01	87.00	26994	1.39	1.24	0.1	0.0
100YR004HR PRE	BASIN-8	BASE	1.75	86.01	87.00	27061	1.53	1.35	0.1	0.0
100YR004HR PRE	BASIN-8	BASE	1.83	86.01	87.00	27139	1.66	1.45	0.1	0.1
100YR004HR PRE	BASIN-8	BASE	1.92	86.01	87.00	27217	1.75	1.55	0.1	0.1
100YR004HR PRE	BASIN-8	BASE	2.00	86.02	87.00	27293	1.83	1.64	0.1	0.1
100YR004HR PRE	BASIN-8	BASE	2.08	86.02	87.00	27361	1.88	1.72	0.1	0.1
100YR004HR PRE	BASIN-8	BASE	2.17	86.02	87.00	27413	1.88	1.77	0.1	0.1
100YR004HR PRE	BASIN-8	BASE	2.25	86.02	87.00	27444	1.86	1.80	0.2	0.1
100YR004HR PRE	BASIN-8	BASE	2.33	86.02	87.00	27456	1.83	1.82	0.2	0.1
100YR004HR PRE	BASIN-8	BASE	2.42	86.02	87.00	27459	1.82	1.82	0.2	0.1
100YR004HR PRE	BASIN-8	BASE	2.50	86.02	87.00	27456	1.81	1.82	0.2	0.1
100YR004HR PRE	BASIN-8	BASE	2.58	86.02	87.00	27448	1.78	1.81	0.2	0.2
100YR004HR PRE	BASIN-8	BASE	2.67	86.02	87.00	27427	1.71	1.79	0.2	0.2
100YR004HR PRE	BASIN-8	BASE	2.75	86.02	87.00	27384	1.61	1.74	0.2	0.2
100YR004HR PRE	BASIN-8	BASE	2.83	86.02	87.00	27327	1.53	1.68	0.2	0.2
100YR004HR PRE	BASIN-8	BASE	2.92	86.02	87.00	27266	1.46	1.61	0.2	0.2
100YR004HR PRE	BASIN-8	BASE	3.00	86.01	87.00	27209	1.41	1.54	0.3	0.2
100YR004HR PRE	BASIN-8	BASE	3.08	86.01	87.00	27154	1.34	1.47	0.3	0.2
100YR004HR PRE	BASIN-8	BASE	3.17	86.01	87.00	27091	1.21	1.39	0.3	0.2
100YR004HR PRE	BASIN-8	BASE	3.25	86.01	87.00	27013	1.06	1.27	0.3	0.2
100YR004HR PRE	BASIN-8	BASE	3.33	86.01	87.00	26930	0.93	1.13	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.42	86.00	87.00	26859	0.83	0.99	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.50	86.00	87.00	26806	0.75	0.86	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.58	86.00	87.00	26770	0.68	0.75	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.67	86.00	87.00	26744	0.60	0.65	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.75	86.00	87.00	26724	0.51	0.55	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.83	86.00	87.00	26712	0.44	0.47	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.92	86.00	87.00	26707	0.39	0.40	0.3	0.3
100YR4HR BASIN-8 PRE	BASIN-8	BASE	4.00	86.00	87.00	26706	0.34	0.34	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.09	86.00	87.00	26706	0.30	0.30	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.17	86.00	87.00	26706	0.25	0.25	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.25	86.00	87.00	26706	0.20	0.20	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.33	86.00	87.00	26705	0.16	0.16	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.42	86.00	87.00	26705	0.12	0.12	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.51	86.00	87.00	26705	0.10	0.10	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.59	86.00	87.00	26705	0.07	0.07	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.67	86.00	87.00	26704	0.06	0.06	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.76	86.00	87.00	26705	0.04	0.10	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.83	86.00	87.00	115	0.04	-0.34	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.92	86.00	87.00	115	0.03	-0.57	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	5.00	86.00	87.00	115	0.02	-0.60	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	5.08	86.00	87.00	115	0.02	-0.61	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	5.17	86.00	87.00	115	0.01	-0.61	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	5.25	86.00	87.00	115	0.01	-0.61	0.3	0.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-9	BASE	80.58	72.11	79.75	1274	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	80.67	72.11	79.75	1262	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	80.75	72.10	79.75	1249	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	80.83	72.10	79.75	1237	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	80.92	72.10	79.75	1224	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.00	72.09	79.75	1211	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.08	72.09	79.75	1199	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.17	72.08	79.75	1186	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.25	72.08	79.75	1174	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.33	72.08	79.75	1161	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.42	72.07	79.75	1149	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.50	72.07	79.75	1136	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.58	72.07	79.75	1124	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.67	72.06	79.75	1111	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.75	72.06	79.75	1099	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.83	72.06	79.75	1086	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.92	72.05	79.75	1073	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.00	72.05	79.75	1061	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.08	72.05	79.75	1048	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.17	72.04	79.75	1036	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.25	72.04	79.75	1023	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.33	72.04	79.75	1011	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.42	72.03	79.75	998	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.50	72.03	79.75	986	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.58	72.03	79.75	973	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.67	72.02	79.75	961	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.75	72.02	79.75	948	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.83	72.02	79.75	936	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.92	72.01	79.75	923	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.00	72.01	79.75	911	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.08	72.01	79.75	898	0.00	0.01	1.3	1.3
100YR4HR BASIN-9 PRE	BASIN-9	BASE	83.17	72.00	79.75	885	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.25	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.33	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.42	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.50	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.58	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.67	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.75	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.83	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.92	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.00	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.08	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.17	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.25	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.33	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.42	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.50	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.58	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.67	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.75	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.83	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.92	72.00	79.75	880	0.00	0.00	1.3	1.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-1	BASE	23.33	84.16	86.00	6371	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.42	84.15	86.00	6337	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.50	84.15	86.00	6303	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.58	84.15	86.00	6269	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.67	84.14	86.00	6235	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.75	84.14	86.00	6200	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.83	84.14	86.00	6166	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.92	84.13	86.00	6132	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.00	84.13	86.00	6098	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.08	84.13	86.00	6064	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.17	84.12	86.00	6030	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.25	84.12	86.00	5995	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.33	84.11	86.00	5961	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.42	84.11	86.00	5927	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.50	84.11	86.00	5893	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.58	84.10	86.00	5859	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.67	84.10	86.00	5824	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.75	84.10	86.00	5790	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.83	84.09	86.00	5756	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.92	84.09	86.00	5722	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.00	84.09	86.00	5688	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.08	84.08	86.00	5654	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.17	84.08	86.00	5620	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.25	84.08	86.00	5585	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.33	84.07	86.00	5551	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.42	84.07	86.00	5517	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.50	84.07	86.00	5483	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.58	84.06	86.00	5449	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.67	84.06	86.00	5414	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.75	84.06	86.00	5380	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.83	84.05	86.00	5346	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.92	84.05	86.00	5312	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.00	84.05	86.00	5278	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.08	84.04	86.00	5244	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.17	84.04	86.00	5209	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.25	84.04	86.00	5175	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.33	84.03	86.00	5141	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.42	84.03	86.00	5107	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.50	84.02	86.00	5073	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.58	84.02	86.00	5039	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.67	84.02	86.00	5005	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.75	84.01	86.00	4970	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.83	84.01	86.00	4936	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.92	84.01	86.00	4902	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.00	84.00	86.00	4868	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.08	84.00	86.00	4834	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.67	84.00	86.00	4831	0.00	0.00	0.2	0.2

100YR8HR BASIN-1 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-10	BASE	75.17	72.13	79.00	13809	0.00	0.16	5.0	4.9
100YR008HR PRE	BASIN-10	BASE	75.25	72.12	79.00	13717	0.00	0.16	5.0	4.9
100YR008HR PRE	BASIN-10	BASE	75.33	72.12	79.00	13625	0.00	0.16	5.0	4.9
100YR008HR PRE	BASIN-10	BASE	75.42	72.12	79.00	13534	0.00	0.16	5.0	4.9
100YR008HR PRE	BASIN-10	BASE	75.50	72.11	79.00	13442	0.00	0.16	5.0	4.9
100YR008HR PRE	BASIN-10	BASE	75.58	72.11	79.00	13350	0.00	0.15	5.0	4.9
100YR008HR PRE	BASIN-10	BASE	75.67	72.11	79.00	13258	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	75.75	72.10	79.00	13166	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	75.83	72.10	79.00	13074	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	75.92	72.10	79.00	12982	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.00	72.09	79.00	12890	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.08	72.09	79.00	12798	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.17	72.09	79.00	12707	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.25	72.08	79.00	12615	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.33	72.08	79.00	12523	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.42	72.08	79.00	12431	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.50	72.07	79.00	12339	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.58	72.07	79.00	12247	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.67	72.07	79.00	12155	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.75	72.06	79.00	12064	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.83	72.06	79.00	11972	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.92	72.06	79.00	11880	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.00	72.05	79.00	11788	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.08	72.05	79.00	11696	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.17	72.05	79.00	11605	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.25	72.04	79.00	11513	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.33	72.04	79.00	11421	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.42	72.03	79.00	11329	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.50	72.03	79.00	11237	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.58	72.03	79.00	11145	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.67	72.02	79.00	11053	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.75	72.02	79.00	10962	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.83	72.02	79.00	10870	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.92	72.01	79.00	10778	0.00	0.12	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.00	72.01	79.00	10686	0.00	0.12	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.08	72.01	79.00	10594	0.00	0.12	5.0	5.0
100YR8HR BASIN-10 PRE	BASIN-10	BASE	78.17	72.00	79.00	10502	0.00	0.12	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.25	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.33	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.42	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.50	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.58	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.67	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.75	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.83	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.92	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.00	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.08	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.17	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.25	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.33	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.42	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.50	72.00	79.00	10411	0.00	0.00	5.0	5.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-11	BASE	7.76	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	7.84	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	7.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.01	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.09	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.26	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.34	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.51	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.59	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	12.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	12.08	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR8HR BASIN-11 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-12	BASE	28.67	82.01	84.00	15605	0.00	0.18	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	28.75	82.00	84.00	15357	0.00	0.18	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	28.83	82.00	84.00	15109	0.00	0.17	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	28.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.67	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.75	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.83	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.67	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.75	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.83	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.67	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.75	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.83	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.67	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.75	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.83	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	33.00	82.00	84.00	15050	0.00	0.00	1.3	1.3

100YR8HR BASIN-12 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-13	BASE	71.67	80.06	89.00	653	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	71.75	80.06	89.00	651	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	71.83	80.05	89.00	650	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	71.92	80.05	89.00	649	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.00	80.05	89.00	647	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.08	80.04	89.00	646	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.17	80.04	89.00	644	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.25	80.04	89.00	643	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.33	80.03	89.00	641	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.42	80.03	89.00	640	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.50	80.03	89.00	638	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.58	80.02	89.00	637	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.67	80.02	89.00	636	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.75	80.02	89.00	634	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.83	80.01	89.00	633	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.92	80.01	89.00	631	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.00	80.01	89.00	630	0.00	0.01	0.1	0.1
100YR8HR BASIN-13 PRE	BASIN-13	BASE	73.08	80.00	89.00	628	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.58	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.08	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.58	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.08	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.58	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	76.00	80.00	89.00	627	0.00	0.00	0.1	0.1

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-14	BASE	74.92	75.01	84.00	130	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.00	75.01	84.00	125	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.08	75.01	84.00	120	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.17	75.00	84.00	114	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	79.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	79.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	79.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	79.25	75.00	84.00	113	0.00	0.00	0.2	0.2

100YR8HR BASIN-14 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-15	BASE	7.51	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	7.59	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	7.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	7.76	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	7.84	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	7.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR BASIN-15 PRE	BASIN-15	BASE	8.01	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.09	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.26	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.34	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.51	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.59	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.83	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.33	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.58	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.83	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.33	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.58	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.83	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.33	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.58	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.83	83.00	84.75	29686	0.00	0.00	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-2	BASE	715.75	46.29	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	716.00	46.29	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	716.25	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	716.50	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	716.75	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	717.00	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	717.25	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	717.50	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	717.75	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	718.00	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	718.25	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	718.50	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	718.75	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	719.00	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	719.25	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	719.50	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	719.75	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	720.00	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	720.25	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	720.50	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	720.75	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	721.00	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	721.25	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	721.50	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	721.75	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	722.00	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	722.25	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	722.50	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	722.75	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	723.00	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	723.25	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	723.50	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	723.75	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	724.00	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	724.25	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	724.50	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	724.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	725.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	725.25	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	725.50	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	725.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	726.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	726.25	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	726.50	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	726.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	727.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	727.25	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	727.50	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	727.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	728.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	728.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0

100YR8HR BASIN-2 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-3	BASE	58.17	80.04	88.00	108494	0.00	1.26	10.3	10.2
100YR008HR PRE	BASIN-3	BASE	58.25	80.03	88.00	108238	0.00	1.25	10.3	10.2
100YR008HR PRE	BASIN-3	BASE	58.33	80.03	88.00	107981	0.00	1.25	10.3	10.2
100YR008HR PRE	BASIN-3	BASE	58.42	80.03	88.00	107725	0.00	1.25	10.3	10.2
100YR008HR PRE	BASIN-3	BASE	58.50	80.02	88.00	107468	0.00	1.24	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	58.58	80.02	88.00	107211	0.00	1.24	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	58.67	80.02	88.00	106955	0.00	1.24	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	58.75	80.01	88.00	106698	0.00	1.23	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	58.83	80.01	88.00	106443	0.00	1.23	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	58.92	80.01	88.00	106187	0.00	1.23	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.00	80.00	88.00	105930	0.00	1.23	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.08	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.17	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.25	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.33	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.42	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.50	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.58	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.67	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.75	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.83	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.92	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.00	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.08	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.17	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.25	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.33	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.42	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.50	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.58	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.67	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.75	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.83	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.92	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.00	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.08	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.17	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.25	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.33	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.42	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.50	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.58	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.67	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.75	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.83	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.92	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.00	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.08	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.17	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.25	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.33	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.42	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.50	80.00	88.00	105790	0.00	0.00	10.3	10.3

100YR8HR BASIN-3 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-4	BASE	52.58	81.04	87.00	8442	0.00	0.10	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	52.67	81.04	87.00	8377	0.00	0.10	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	52.75	81.03	87.00	8313	0.00	0.10	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	52.83	81.03	87.00	8248	0.00	0.10	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	52.92	81.03	87.00	8183	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.00	81.02	87.00	8118	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.08	81.02	87.00	8053	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.17	81.02	87.00	7988	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.25	81.01	87.00	7923	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.33	81.01	87.00	7858	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.42	81.01	87.00	7793	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.50	81.00	87.00	7728	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.58	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.67	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.75	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.83	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.92	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.00	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.08	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.17	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.25	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.33	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.42	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.50	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.58	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.67	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.75	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.83	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.92	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.00	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.08	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.17	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.25	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.33	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.42	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.50	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.58	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.67	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.75	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.83	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.92	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.00	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.08	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.17	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.25	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.33	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.42	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.50	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.58	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.67	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.75	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.83	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.92	81.00	87.00	7667	0.00	0.00	1.5	1.5

100YR8HR BASIN-4 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-5	BASE	82.33	85.01	89.00	29253	0.00	0.34	11.4	11.4
100YR8HR BASIN-5 PRE	BASIN-5	BASE	82.42	85.00	89.00	29127	0.00	0.34	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	82.50	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	82.58	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	82.67	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	82.75	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	82.83	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	82.92	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.00	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.08	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.17	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.25	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.33	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.42	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.50	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.58	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.67	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.75	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.83	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.92	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.00	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.08	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.17	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.25	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.33	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.42	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.50	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.58	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.67	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.75	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.83	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.92	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.00	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.08	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.17	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.25	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.33	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.42	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.50	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.58	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.67	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.75	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.83	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.92	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.00	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.08	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.17	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.25	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.33	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.42	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.50	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.58	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.67	85.00	89.00	29028	0.00	0.00	11.4	11.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-6	BASE	67.92	82.10	87.00	17397	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.00	82.10	87.00	17318	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.08	82.10	87.00	17239	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.17	82.09	87.00	17160	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.25	82.09	87.00	17081	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.33	82.09	87.00	17003	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.42	82.08	87.00	16924	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.50	82.08	87.00	16845	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.58	82.08	87.00	16766	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.67	82.07	87.00	16687	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.75	82.07	87.00	16609	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.83	82.07	87.00	16530	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.92	82.06	87.00	16452	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.00	82.06	87.00	16373	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.08	82.06	87.00	16294	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.17	82.05	87.00	16215	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.25	82.05	87.00	16136	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.33	82.05	87.00	16058	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.42	82.04	87.00	15979	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.50	82.04	87.00	15900	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.58	82.03	87.00	15822	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.67	82.03	87.00	15743	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.75	82.03	87.00	15664	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.83	82.02	87.00	15585	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.92	82.02	87.00	15507	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.00	82.02	87.00	15428	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.08	82.01	87.00	15349	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.17	82.01	87.00	15270	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.25	82.01	87.00	15191	0.00	0.18	3.3	3.3
100YR8HR BASIN-6 PRE	BASIN-6	BASE	70.33	82.00	87.00	15113	0.00	0.17	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.42	82.00	87.00	15034	0.00	0.17	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.50	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.58	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.67	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.75	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.83	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.92	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.00	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.08	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.17	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.25	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.33	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.42	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.50	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.58	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.67	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.75	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.83	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.92	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	72.00	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	72.08	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	72.17	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	72.25	82.00	87.00	15028	0.00	0.00	3.3	3.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-7	BASE	53.50	75.06	80.00	20653	0.00	0.24	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	53.58	75.06	80.00	20403	0.00	0.24	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	53.67	75.05	80.00	20153	0.00	0.23	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	53.75	75.05	80.00	19902	0.00	0.23	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	53.83	75.04	80.00	19654	0.00	0.23	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	53.92	75.04	80.00	19403	0.00	0.22	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.00	75.04	80.00	19153	0.00	0.22	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.08	75.03	80.00	18903	0.00	0.22	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.17	75.03	80.00	18653	0.00	0.22	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.25	75.03	80.00	18402	0.00	0.21	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.33	75.02	80.00	18152	0.00	0.21	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.42	75.02	80.00	17902	0.00	0.21	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.50	75.02	80.00	17651	0.00	0.20	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.58	75.01	80.00	17401	0.00	0.20	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.67	75.01	80.00	17152	0.00	0.20	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.75	75.01	80.00	16902	0.00	0.20	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.83	75.00	80.00	16652	0.00	0.19	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.92	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.00	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.08	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.17	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.25	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.33	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.42	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.50	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.58	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.67	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.75	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.83	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.92	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.00	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.08	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.17	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.25	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.33	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.42	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.50	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.58	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.67	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.75	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.83	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.92	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.00	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.08	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.17	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.25	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.33	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.42	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.50	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.58	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.67	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.75	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.83	75.00	80.00	16431	0.00	0.00	4.4	4.4

100YR8HR BASIN-7 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-8	BASE	3.75	86.02	87.00	27294	1.80	1.64	0.2	0.1
100YR008HR PRE	BASIN-8	BASE	3.83	86.02	87.00	27350	1.84	1.71	0.2	0.1
100YR008HR PRE	BASIN-8	BASE	3.92	86.02	87.00	27402	1.89	1.76	0.2	0.1
100YR008HR PRE	BASIN-8	BASE	4.00	86.02	87.00	27448	1.92	1.81	0.2	0.1
100YR008HR PRE	BASIN-8	BASE	4.08	86.02	87.00	27484	1.91	1.84	0.2	0.1
100YR008HR PRE	BASIN-8	BASE	4.17	86.02	87.00	27485	1.79	1.85	0.2	0.2
100YR008HR PRE	BASIN-8	BASE	4.25	86.02	87.00	27435	1.61	1.80	0.2	0.2
100YR008HR PRE	BASIN-8	BASE	4.33	86.02	87.00	27348	1.45	1.70	0.2	0.2
100YR008HR PRE	BASIN-8	BASE	4.42	86.02	87.00	27248	1.33	1.59	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	4.50	86.01	87.00	27151	1.24	1.47	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	4.58	86.01	87.00	27067	1.16	1.35	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	4.67	86.01	87.00	26999	1.10	1.25	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	4.75	86.01	87.00	26945	1.05	1.16	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	4.83	86.01	87.00	26906	1.00	1.09	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	4.92	86.00	87.00	26876	0.96	1.03	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	5.00	86.00	87.00	26853	0.93	0.98	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	5.08	86.00	87.00	26832	0.88	0.93	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.17	86.00	87.00	26807	0.79	0.86	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.25	86.00	87.00	26775	0.69	0.77	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.33	86.00	87.00	26747	0.61	0.67	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.42	86.00	87.00	26728	0.54	0.58	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.50	86.00	87.00	26718	0.49	0.51	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.59	86.00	87.00	26712	0.45	0.46	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.67	86.00	87.00	26709	0.42	0.43	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.75	86.00	87.00	26707	0.39	0.40	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.83	86.00	87.00	26706	0.38	0.38	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	5.92	86.00	87.00	26706	0.36	0.36	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.00	86.00	87.00	26706	0.35	0.35	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.08	86.00	87.00	26707	0.33	0.33	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.17	86.00	87.00	26706	0.32	0.32	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.25	86.00	87.00	26706	0.30	0.30	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.34	86.00	87.00	26706	0.29	0.29	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.42	86.00	87.00	26706	0.28	0.28	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.50	86.00	87.00	26706	0.27	0.27	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.59	86.00	87.00	26706	0.26	0.26	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.67	86.00	87.00	26706	0.26	0.26	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.75	86.00	87.00	26706	0.26	0.26	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.83	86.00	87.00	26706	0.25	0.25	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.92	86.00	87.00	26706	0.25	0.25	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.00	86.00	87.00	26707	0.25	0.26	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.09	86.00	87.00	26707	0.25	0.25	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.17	86.00	87.00	26706	0.23	0.23	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.25	86.00	87.00	26706	0.22	0.22	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.33	86.00	87.00	26706	0.20	0.20	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.42	86.00	87.00	26706	0.19	0.20	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.51	86.00	87.00	26706	0.18	0.18	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.59	86.00	87.00	26706	0.18	0.18	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.67	86.00	87.00	26706	0.17	0.17	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.76	86.00	87.00	26706	0.17	0.17	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.84	86.00	87.00	26706	0.16	0.16	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.92	86.00	87.00	26706	0.16	0.16	0.4	0.3
100YR8HR BASIN-8 PRE	BASIN-8	BASE	8.01	86.00	87.00	26706	0.16	0.16	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	8.09	86.00	87.00	26706	0.15	0.15	0.4	0.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-9	BASE	86.50	72.13	79.75	1360	0.00	0.02	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	86.58	72.13	79.75	1348	0.00	0.02	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	86.67	72.13	79.75	1335	0.00	0.02	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	86.75	72.12	79.75	1322	0.00	0.02	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	86.83	72.12	79.75	1310	0.00	0.02	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	86.92	72.12	79.75	1297	0.00	0.02	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.00	72.11	79.75	1285	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.08	72.11	79.75	1272	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.17	72.11	79.75	1260	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.25	72.10	79.75	1247	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.33	72.10	79.75	1235	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.42	72.09	79.75	1222	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.50	72.09	79.75	1210	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.58	72.09	79.75	1197	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.67	72.08	79.75	1185	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.75	72.08	79.75	1172	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.83	72.08	79.75	1160	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.92	72.07	79.75	1147	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.00	72.07	79.75	1134	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.08	72.07	79.75	1122	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.17	72.06	79.75	1109	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.25	72.06	79.75	1097	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.33	72.06	79.75	1084	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.42	72.05	79.75	1072	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.50	72.05	79.75	1059	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.58	72.05	79.75	1047	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.67	72.04	79.75	1034	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.75	72.04	79.75	1022	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.83	72.04	79.75	1009	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.92	72.03	79.75	996	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.00	72.03	79.75	984	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.08	72.03	79.75	971	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.17	72.02	79.75	959	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.25	72.02	79.75	946	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.33	72.01	79.75	934	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.42	72.01	79.75	921	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.50	72.01	79.75	909	0.00	0.01	1.6	1.6
100YR8HR BASIN-9 PRE	BASIN-9	BASE	89.58	72.00	79.75	896	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.67	72.00	79.75	884	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.75	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.83	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.92	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.00	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.08	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.17	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.25	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.33	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.42	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.50	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.58	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.67	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.75	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.83	72.00	79.75	880	0.00	0.00	1.6	1.6

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-1	BASE	54.42	84.04	86.00	5250	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	54.50	84.04	86.00	5216	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	54.58	84.04	86.00	5182	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	54.67	84.03	86.00	5147	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	54.75	84.03	86.00	5113	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	54.83	84.03	86.00	5079	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	54.92	84.02	86.00	5045	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.00	84.02	86.00	5011	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.08	84.01	86.00	4976	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.17	84.01	86.00	4942	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.25	84.01	86.00	4908	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.33	84.00	86.00	4874	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.42	84.00	86.00	4840	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.50	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.58	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.67	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.75	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.83	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.92	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.00	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.08	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.17	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.25	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.33	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.42	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.50	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.58	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.67	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.75	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.83	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.92	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.00	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.08	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.17	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.25	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.33	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.42	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.50	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.58	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.67	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.75	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.83	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.92	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.00	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.08	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.17	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.25	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.33	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.42	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.50	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.58	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.67	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.75	84.00	86.00	4831	0.00	0.00	0.6	0.6

100YR24HR BASIN-1 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-10	BASE	114.08	72.01	79.00	10604	0.00	0.12	10.8	10.8
100YR24HR BASIN-10 PRE	BASIN-10	BASE	114.17	72.00	79.00	10512	0.00	0.12	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.25	72.00	79.00	10421	0.00	0.12	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.33	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.42	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.50	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.58	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.67	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.75	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.83	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.92	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.00	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.08	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.17	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.25	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.33	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.42	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.50	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.58	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.67	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.75	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.83	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.92	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.00	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.08	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.17	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.25	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.33	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.42	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.50	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.58	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.67	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.75	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.83	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.92	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.00	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.08	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.17	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.25	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.33	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.42	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.50	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.58	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.67	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.75	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.83	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.92	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	118.00	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	118.08	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	118.17	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	118.25	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	118.33	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	118.42	72.00	79.00	10411	0.00	0.00	10.8	10.8

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-11	BASE	63.33	81.14	84.00	2962	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.42	81.14	84.00	2940	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.50	81.14	84.00	2918	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.58	81.13	84.00	2896	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.67	81.13	84.00	2875	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.75	81.13	84.00	2853	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.83	81.12	84.00	2831	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.92	81.12	84.00	2809	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.00	81.12	84.00	2787	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.08	81.11	84.00	2765	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.17	81.11	84.00	2743	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.25	81.11	84.00	2722	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.33	81.10	84.00	2700	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.42	81.10	84.00	2678	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.50	81.10	84.00	2656	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.58	81.09	84.00	2634	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.67	81.09	84.00	2612	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.75	81.08	84.00	2590	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.83	81.08	84.00	2569	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.92	81.08	84.00	2547	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.00	81.07	84.00	2525	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.08	81.07	84.00	2503	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.17	81.07	84.00	2481	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.25	81.06	84.00	2459	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.33	81.06	84.00	2437	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.42	81.06	84.00	2416	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.50	81.05	84.00	2394	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.58	81.05	84.00	2372	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.67	81.05	84.00	2350	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.75	81.04	84.00	2328	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.83	81.04	84.00	2306	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.92	81.04	84.00	2285	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.00	81.03	84.00	2263	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.08	81.03	84.00	2241	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.17	81.03	84.00	2219	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.25	81.02	84.00	2197	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.33	81.02	84.00	2175	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.42	81.02	84.00	2153	0.00	0.02	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.50	81.01	84.00	2131	0.00	0.02	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.58	81.01	84.00	2110	0.00	0.02	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.67	81.01	84.00	2088	0.00	0.02	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.75	81.00	84.00	2066	0.00	0.02	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.83	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.92	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.00	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.08	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.17	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.25	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.33	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.42	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.50	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.58	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.67	81.00	84.00	2056	0.00	0.00	0.4	0.4

100YR24HR BASIN-11 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-12	BASE	43.50	82.13	84.00	24328	0.00	0.28	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	43.58	82.13	84.00	24080	0.00	0.28	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	43.67	82.12	84.00	23834	0.00	0.28	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	43.75	82.12	84.00	23586	0.00	0.27	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	43.83	82.12	84.00	23337	0.00	0.27	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	43.92	82.11	84.00	23089	0.00	0.27	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.00	82.11	84.00	22841	0.00	0.26	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.08	82.11	84.00	22593	0.00	0.26	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.17	82.10	84.00	22345	0.00	0.26	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.25	82.10	84.00	22097	0.00	0.26	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.33	82.10	84.00	21849	0.00	0.25	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.42	82.09	84.00	21601	0.00	0.25	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.50	82.09	84.00	21354	0.00	0.25	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.58	82.08	84.00	21106	0.00	0.24	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.67	82.08	84.00	20858	0.00	0.24	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.75	82.08	84.00	20610	0.00	0.24	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.83	82.07	84.00	20362	0.00	0.24	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.92	82.07	84.00	20114	0.00	0.23	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.00	82.07	84.00	19865	0.00	0.23	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.08	82.06	84.00	19617	0.00	0.23	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.17	82.06	84.00	19369	0.00	0.22	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.25	82.06	84.00	19121	0.00	0.22	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.33	82.05	84.00	18874	0.00	0.22	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.42	82.05	84.00	18626	0.00	0.22	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.50	82.05	84.00	18378	0.00	0.21	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.58	82.04	84.00	18130	0.00	0.21	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.67	82.04	84.00	17882	0.00	0.21	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.75	82.04	84.00	17634	0.00	0.20	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.83	82.03	84.00	17386	0.00	0.20	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.92	82.03	84.00	17138	0.00	0.20	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	46.00	82.03	84.00	16890	0.00	0.20	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	46.08	82.02	84.00	16643	0.00	0.19	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	46.17	82.02	84.00	16395	0.00	0.19	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	46.25	82.02	84.00	16147	0.00	0.19	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	46.33	82.01	84.00	15899	0.00	0.18	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	46.42	82.01	84.00	15651	0.00	0.18	2.3	2.3
100YR24HR BASIN-12 PRE	BASIN-12	BASE	46.50	82.00	84.00	15402	0.00	0.18	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	46.58	82.00	84.00	15154	0.00	0.18	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	46.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	46.75	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	46.83	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	46.92	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.00	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.08	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.17	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.25	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.33	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.42	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.50	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.58	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.75	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.83	82.00	84.00	15050	0.00	0.00	2.3	2.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-13	BASE	235.67	80.16	89.00	693	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	235.75	80.15	89.00	691	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	235.83	80.15	89.00	690	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	235.92	80.15	89.00	688	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.00	80.14	89.00	687	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.08	80.14	89.00	686	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.17	80.14	89.00	684	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.25	80.13	89.00	683	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.33	80.13	89.00	681	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.42	80.13	89.00	680	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.50	80.12	89.00	678	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.58	80.12	89.00	677	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.67	80.12	89.00	675	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.75	80.11	89.00	674	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.83	80.11	89.00	673	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.92	80.11	89.00	671	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.00	80.10	89.00	670	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.08	80.10	89.00	668	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.17	80.10	89.00	667	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.25	80.09	89.00	665	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.33	80.09	89.00	664	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.42	80.09	89.00	663	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.50	80.08	89.00	661	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.58	80.08	89.00	660	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.67	80.07	89.00	658	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.75	80.07	89.00	657	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.83	80.07	89.00	655	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.92	80.06	89.00	654	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.00	80.06	89.00	652	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.08	80.06	89.00	651	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.17	80.05	89.00	650	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.25	80.05	89.00	648	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.33	80.05	89.00	647	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.42	80.04	89.00	645	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.50	80.04	89.00	644	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.58	80.04	89.00	642	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.67	80.03	89.00	641	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.75	80.03	89.00	640	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.83	80.03	89.00	638	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.92	80.02	89.00	637	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.00	80.02	89.00	635	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.08	80.02	89.00	634	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.17	80.01	89.00	632	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.25	80.01	89.00	631	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.33	80.01	89.00	629	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.42	80.00	89.00	628	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.50	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.58	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.67	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.75	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.83	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.92	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	240.00	80.00	89.00	627	0.00	0.00	1.5	1.5

100YR24HR BASIN-13 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-14	BASE	92.17	75.03	84.00	154	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.25	75.03	84.00	148	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.33	75.02	84.00	143	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.42	75.02	84.00	138	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.50	75.02	84.00	133	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.58	75.01	84.00	127	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.67	75.01	84.00	122	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.75	75.01	84.00	117	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.17	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.25	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.33	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.42	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.50	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.58	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.67	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.75	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.17	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.25	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.33	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.42	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.50	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.58	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.67	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.75	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.17	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.25	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.33	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.42	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.50	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.58	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.67	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.75	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.17	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.25	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.33	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.42	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.50	75.00	84.00	113	0.00	0.00	0.3	0.3

100YR24HR BASIN-14 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-15	BASE	41.42	83.14	84.75	33094	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	41.50	83.14	84.75	33009	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	41.58	83.13	84.75	32925	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	41.67	83.13	84.75	32840	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	41.75	83.13	84.75	32755	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	41.83	83.12	84.75	32671	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	41.92	83.12	84.75	32586	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	42.00	83.12	84.75	32502	0.00	0.38	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.08	83.11	84.75	32417	0.00	0.38	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.17	83.11	84.75	32332	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.25	83.11	84.75	32248	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.33	83.10	84.75	32163	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.42	83.10	84.75	32078	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.50	83.09	84.75	31994	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.58	83.09	84.75	31909	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.67	83.09	84.75	31824	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.75	83.08	84.75	31740	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.83	83.08	84.75	31655	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.92	83.08	84.75	31571	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.00	83.07	84.75	31486	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.08	83.07	84.75	31401	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.17	83.07	84.75	31317	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.25	83.06	84.75	31232	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.33	83.06	84.75	31147	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.42	83.06	84.75	31063	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.50	83.05	84.75	30978	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.58	83.05	84.75	30893	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.67	83.05	84.75	30809	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.75	83.04	84.75	30725	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.83	83.04	84.75	30640	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.92	83.04	84.75	30555	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.00	83.03	84.75	30471	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.08	83.03	84.75	30386	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.17	83.03	84.75	30301	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.25	83.02	84.75	30217	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.33	83.02	84.75	30132	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.42	83.01	84.75	30047	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.50	83.01	84.75	29963	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.58	83.01	84.75	29878	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.67	83.00	84.75	29794	0.00	0.34	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.75	83.00	84.75	29709	0.00	0.34	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.83	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.92	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.00	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.08	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.17	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.25	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.33	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.42	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.50	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.58	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.67	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.75	83.00	84.75	29686	0.00	0.00	1.0	1.0

100YR24HR BASIN-15 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-2	BASE	734.75	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	735.00	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	735.25	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	735.50	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	735.75	50.31	84.25	3307	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	736.00	50.31	84.25	3307	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	736.25	50.30	84.25	3307	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	736.50	50.30	84.25	3307	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	736.75	50.30	84.25	3307	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	737.00	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	737.25	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	737.50	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	737.75	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	738.00	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	738.25	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	738.50	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	738.75	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	739.00	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	739.25	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	739.50	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	739.75	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	740.00	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	740.25	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	740.50	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	740.75	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	741.00	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	741.25	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	741.50	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	741.75	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	742.00	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	742.25	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	742.50	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	742.75	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	743.00	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	743.25	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	743.50	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	743.75	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	744.00	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.08	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.17	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.25	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.33	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.42	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.50	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.58	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.67	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.75	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.83	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.92	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	1.00	80.00	88.00	105790	0.03	0.03	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	1.09	80.00	88.00	105790	0.12	0.12	0.0	0.0

100YR24HR BASIN-2 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-3	BASE	98.92	80.13	88.00	115664	0.00	1.34	21.9	21.5
100YR024HR PRE	BASIN-3	BASE	99.00	80.13	88.00	115407	0.00	1.34	21.9	21.5
100YR024HR PRE	BASIN-3	BASE	99.08	80.13	88.00	115150	0.00	1.33	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.17	80.12	88.00	114894	0.00	1.33	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.25	80.12	88.00	114637	0.00	1.33	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.33	80.12	88.00	114381	0.00	1.32	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.42	80.11	88.00	114124	0.00	1.32	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.50	80.11	88.00	113868	0.00	1.32	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.58	80.11	88.00	113611	0.00	1.31	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.67	80.10	88.00	113354	0.00	1.31	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.75	80.10	88.00	113099	0.00	1.31	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.83	80.10	88.00	112843	0.00	1.31	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.92	80.09	88.00	112586	0.00	1.30	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	100.00	80.09	88.00	112330	0.00	1.30	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.08	80.09	88.00	112073	0.00	1.30	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.17	80.08	88.00	111816	0.00	1.29	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.25	80.08	88.00	111560	0.00	1.29	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.33	80.07	88.00	111303	0.00	1.29	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.42	80.07	88.00	111047	0.00	1.29	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.50	80.07	88.00	110790	0.00	1.28	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.58	80.06	88.00	110535	0.00	1.28	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.67	80.06	88.00	110278	0.00	1.28	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.75	80.06	88.00	110022	0.00	1.27	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.83	80.05	88.00	109765	0.00	1.27	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.92	80.05	88.00	109509	0.00	1.27	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.00	80.05	88.00	109252	0.00	1.26	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.08	80.04	88.00	108996	0.00	1.26	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.17	80.04	88.00	108739	0.00	1.26	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.25	80.04	88.00	108482	0.00	1.26	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.33	80.03	88.00	108227	0.00	1.25	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.42	80.03	88.00	107971	0.00	1.25	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.50	80.03	88.00	107714	0.00	1.25	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.58	80.02	88.00	107457	0.00	1.24	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.67	80.02	88.00	107201	0.00	1.24	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.75	80.02	88.00	106944	0.00	1.24	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.83	80.01	88.00	106688	0.00	1.23	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.92	80.01	88.00	106431	0.00	1.23	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.00	80.01	88.00	106175	0.00	1.23	21.9	21.9
100YR24HR BASIN-3 PRE	BASIN-3	BASE	102.08	80.00	88.00	105918	0.00	1.23	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.17	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.25	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.33	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.42	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.50	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.58	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.67	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.75	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.83	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.92	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	103.00	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	103.08	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	103.17	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	103.25	80.00	88.00	105790	0.00	0.00	21.9	21.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-4	BASE	96.75	81.13	87.00	10131	0.00	0.12	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	96.83	81.13	87.00	10066	0.00	0.12	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	96.92	81.12	87.00	10001	0.00	0.12	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.00	81.12	87.00	9936	0.00	0.12	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.08	81.12	87.00	9871	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.17	81.11	87.00	9806	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.25	81.11	87.00	9742	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.33	81.11	87.00	9677	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.42	81.10	87.00	9612	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.50	81.10	87.00	9547	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.58	81.10	87.00	9482	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.67	81.09	87.00	9417	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.75	81.09	87.00	9352	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.83	81.09	87.00	9287	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.92	81.08	87.00	9222	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.00	81.08	87.00	9157	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.08	81.08	87.00	9093	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.17	81.07	87.00	9028	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.25	81.07	87.00	8963	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.33	81.07	87.00	8898	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.42	81.06	87.00	8833	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.50	81.06	87.00	8768	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.58	81.06	87.00	8703	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.67	81.05	87.00	8638	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.75	81.05	87.00	8573	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.83	81.05	87.00	8508	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.92	81.04	87.00	8444	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.00	81.04	87.00	8379	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.08	81.03	87.00	8314	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.17	81.03	87.00	8249	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.25	81.03	87.00	8184	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.33	81.02	87.00	8119	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.42	81.02	87.00	8054	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.50	81.02	87.00	7989	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.58	81.01	87.00	7924	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.67	81.01	87.00	7859	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.75	81.01	87.00	7795	0.00	0.09	4.6	4.6
100YR24HR BASIN-4 PRE	BASIN-4	BASE	99.83	81.00	87.00	7730	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.92	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.00	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.08	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.17	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.25	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.33	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.42	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.50	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.58	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.67	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.75	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.83	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.92	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	101.00	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	101.08	81.00	87.00	7667	0.00	0.00	4.6	4.6

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-5	BASE	112.25	85.06	89.00	31213	0.00	0.36	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.33	85.06	89.00	31086	0.00	0.36	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.42	85.05	89.00	30960	0.00	0.36	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.50	85.05	89.00	30833	0.00	0.36	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.58	85.05	89.00	30706	0.00	0.36	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.67	85.04	89.00	30580	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.75	85.04	89.00	30453	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.83	85.04	89.00	30327	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.92	85.03	89.00	30201	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.00	85.03	89.00	30074	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.08	85.03	89.00	29948	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.17	85.02	89.00	29821	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.25	85.02	89.00	29695	0.00	0.34	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.33	85.01	89.00	29568	0.00	0.34	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.42	85.01	89.00	29442	0.00	0.34	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.50	85.01	89.00	29315	0.00	0.34	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.58	85.00	89.00	29189	0.00	0.34	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.67	85.00	89.00	29062	0.00	0.34	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.75	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.83	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.92	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.00	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.08	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.17	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.25	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.33	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.42	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.50	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.58	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.67	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.75	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.83	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.92	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.00	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.08	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.17	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.25	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.33	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.42	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.50	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.58	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.67	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.75	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.83	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.92	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.00	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.08	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.17	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.25	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.33	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.42	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.50	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.58	85.00	89.00	29028	0.00	0.00	22.0	22.0

100YR24HR BASIN-5 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-6	BASE	101.25	82.12	87.00	17814	0.00	0.21	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.33	82.12	87.00	17735	0.00	0.21	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.42	82.12	87.00	17656	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.50	82.11	87.00	17578	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.58	82.11	87.00	17499	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.67	82.11	87.00	17420	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.75	82.10	87.00	17341	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.83	82.10	87.00	17263	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.92	82.10	87.00	17184	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.00	82.09	87.00	17105	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.08	82.09	87.00	17026	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.17	82.08	87.00	16948	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.25	82.08	87.00	16869	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.33	82.08	87.00	16790	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.42	82.07	87.00	16711	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.50	82.07	87.00	16633	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.58	82.07	87.00	16554	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.67	82.06	87.00	16475	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.75	82.06	87.00	16396	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.83	82.06	87.00	16318	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.92	82.05	87.00	16239	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.00	82.05	87.00	16160	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.08	82.05	87.00	16082	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.17	82.04	87.00	16003	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.25	82.04	87.00	15924	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.33	82.04	87.00	15845	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.42	82.03	87.00	15766	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.50	82.03	87.00	15688	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.58	82.03	87.00	15609	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.67	82.02	87.00	15530	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.75	82.02	87.00	15451	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.83	82.02	87.00	15373	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.92	82.01	87.00	15294	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.00	82.01	87.00	15215	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.08	82.00	87.00	15137	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.17	82.00	87.00	15058	0.00	0.17	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.25	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.33	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.42	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.50	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.58	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.67	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.75	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.83	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.92	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.00	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.08	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.17	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.25	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.33	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.42	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.50	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.58	82.00	87.00	15028	0.00	0.00	6.3	6.3

100YR24HR BASIN-6 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-7	BASE	90.25	75.05	80.00	20229	0.00	0.23	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.33	75.05	80.00	19978	0.00	0.23	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.42	75.05	80.00	19728	0.00	0.23	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.50	75.04	80.00	19478	0.00	0.23	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.58	75.04	80.00	19228	0.00	0.22	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.67	75.04	80.00	18979	0.00	0.22	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.75	75.03	80.00	18728	0.00	0.22	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.83	75.03	80.00	18478	0.00	0.21	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.92	75.02	80.00	18228	0.00	0.21	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.00	75.02	80.00	17978	0.00	0.21	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.08	75.02	80.00	17727	0.00	0.21	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.17	75.01	80.00	17477	0.00	0.20	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.25	75.01	80.00	17227	0.00	0.20	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.33	75.01	80.00	16977	0.00	0.20	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.42	75.00	80.00	16726	0.00	0.19	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.50	75.00	80.00	16477	0.00	0.19	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.58	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.67	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.75	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.83	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.92	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.00	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.08	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.17	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.25	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.33	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.42	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.50	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.58	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.67	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.75	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.83	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.92	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.00	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.08	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.17	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.25	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.33	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.42	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.50	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.58	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.67	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.75	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.83	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.92	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.00	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.08	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.17	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.25	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.33	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.42	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.50	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.58	75.00	80.00	16431	0.00	0.00	9.7	9.7

100YR24HR BASIN-7 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-8	BASE	21.83	86.03	87.00	27754	1.92	2.09	1.1	0.6
100YR024HR PRE	BASIN-8	BASE	21.92	86.03	87.00	27692	1.89	2.04	1.1	0.6
100YR024HR PRE	BASIN-8	BASE	22.00	86.03	87.00	27638	1.86	1.99	1.2	0.6
100YR024HR PRE	BASIN-8	BASE	22.08	86.02	87.00	27589	1.81	1.95	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.17	86.02	87.00	27525	1.69	1.88	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.25	86.02	87.00	27435	1.54	1.80	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.33	86.02	87.00	27328	1.40	1.68	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.42	86.01	87.00	27221	1.30	1.56	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.50	86.01	87.00	27129	1.22	1.44	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.58	86.01	87.00	27051	1.16	1.33	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.67	86.01	87.00	26990	1.11	1.24	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.75	86.01	87.00	26946	1.07	1.16	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.83	86.01	87.00	26913	1.03	1.10	1.2	0.8
100YR024HR PRE	BASIN-8	BASE	22.92	86.01	87.00	26890	1.01	1.06	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.00	86.00	87.00	26873	0.98	1.02	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.08	86.00	87.00	26859	0.96	0.99	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.17	86.00	87.00	26848	0.94	0.97	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.25	86.00	87.00	26839	0.93	0.95	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.34	86.00	87.00	26832	0.91	0.93	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.42	86.00	87.00	26827	0.90	0.92	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.50	86.00	87.00	26823	0.90	0.91	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.58	86.00	87.00	26820	0.89	0.90	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.67	86.00	87.00	26817	0.89	0.89	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.75	86.00	87.00	26816	0.89	0.89	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.84	86.00	87.00	26815	0.88	0.89	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.92	86.00	87.00	26815	0.88	0.89	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	24.00	86.00	87.00	26815	0.88	0.88	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	24.08	86.00	87.00	26810	0.86	0.87	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	24.17	86.00	87.00	26791	0.75	0.82	1.3	0.9
100YR024HR PRE	BASIN-8	BASE	24.25	86.00	87.00	26755	0.61	0.70	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.34	86.00	87.00	26723	0.49	0.54	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.42	86.00	87.00	26708	0.40	0.39	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.50	86.00	87.00	26708	0.32	0.33	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.58	86.00	87.00	26707	0.26	0.27	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.67	86.00	87.00	26707	0.22	0.22	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.75	86.00	87.00	26706	0.18	0.18	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.84	86.00	87.00	26706	0.15	0.15	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.92	86.00	87.00	26705	0.12	0.12	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.00	86.00	87.00	26705	0.10	0.10	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.09	86.00	87.00	26705	0.07	0.07	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.17	86.00	87.00	26704	0.06	0.06	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.25	86.00	87.00	26705	0.04	0.09	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.33	86.00	87.00	115	0.03	-0.53	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.42	86.00	87.00	115	0.02	-0.59	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.50	86.00	87.00	115	0.01	-0.61	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.58	86.00	87.00	115	0.01	-0.61	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.67	86.00	87.00	115	0.00	-0.61	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.75	86.00	87.00	115	0.00	-0.61	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.83	86.00	87.00	115	0.00	-0.62	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.92	86.00	87.00	115	0.00	-0.62	1.4	0.8
100YR024HR PRE	BASIN-8	BASE	26.00	86.00	87.00	115	0.00	-0.62	1.4	0.8
100YR024HR PRE	BASIN-8	BASE	26.08	86.00	87.00	115	0.00	-0.62	1.4	0.8
100YR024HR PRE	BASIN-8	BASE	26.17	86.00	87.00	115	0.00	-0.62	1.4	0.8

100YR24HR BASIN-8 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-9	BASE	138.92	72.08	79.75	1176	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.00	72.08	79.75	1164	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.08	72.08	79.75	1151	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.17	72.07	79.75	1139	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.25	72.07	79.75	1126	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.33	72.06	79.75	1114	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.42	72.06	79.75	1101	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.50	72.06	79.75	1089	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.58	72.05	79.75	1076	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.67	72.05	79.75	1064	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.75	72.05	79.75	1051	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.83	72.04	79.75	1039	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.92	72.04	79.75	1026	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.00	72.04	79.75	1013	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.08	72.03	79.75	1001	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.17	72.03	79.75	988	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.25	72.03	79.75	976	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.33	72.02	79.75	963	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.42	72.02	79.75	951	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.50	72.02	79.75	938	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.58	72.01	79.75	926	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.67	72.01	79.75	913	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.75	72.01	79.75	901	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.83	72.00	79.75	888	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.92	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.00	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.08	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.17	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.25	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.33	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.42	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.50	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.58	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.67	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.75	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.83	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.92	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.00	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.08	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.17	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.25	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.33	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.42	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.50	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.58	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.67	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.75	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.83	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.92	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	143.00	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	143.08	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	143.17	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	143.25	72.00	79.75	880	0.00	0.00	4.8	4.8

100YR24HR BASIN-9 PRE

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==== Basins ====================================================================
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         Name: WTRSHD-1                Node: BASIN-1                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 32.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
8.060           4.180           4.18            4.760           51.140          0.417           4.170
2.360           0.000           0.00            1.940           23.010          0.417           4.170
0.930           0.000           0.00            4.690           20.480          0.402           5.590


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         Name: WTRSHD-10               Node: BASIN-10               Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 31.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
42.490          21.100          17.79           1.940           23.010          0.417           4.170
5.260           0.000           0.00            4.690           20.480          0.402           5.590
0.200           0.000           0.00            2.560           8.980           0.412           8.740
4.880           0.400           0.00            3.220           9.240           0.412           8.740
0.390           2.120           2.12            1.940           22.770          0.417           4.170


--------------------------------------------------------------------------------------------------------
         Name: WTRSHD-11               Node: BASIN-11               Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 12.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
3.500           0.050           0.05            1.940           23.010          0.417           4.170
0.730           0.000           0.00            4.690           20.480          0.402           5.590
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         Name: WTRSHD-12               Node: BASIN-12              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 16.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
4.010           0.000           0.00            1.940           23.010          0.417           4.170
7.010           28.330          28.33           4.690           20.480          0.402           5.590
1.040           0.000           0.00            4.760           51.140          0.417           4.170


-------------------------------------------------------------------------------------------------
         Name: WTRSHD-13               Node: BASIN-13              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 23.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
12.310          0.990           0.99            1.940           23.010          0.417           4.170
1.070           0.000           0.00            3.220           9.240           0.412           8.740


-------------------------------------------------------------------------------------------------
         Name: WTRSHD-14               Node: BASIN-14              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 12.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
3.440           10.550          10.55           4.690           20.480          0.402           5.590


-------------------------------------------------------------------------------------------------
         Name: WTRSHD-15               Node: BASIN-15              Status: Onsite
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Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 15.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
9.220	0.130	0.13	1.940	23.010	0.417	4.170
4.520	0.030	0.00	3.220	9.240	0.412	8.740

Name: WTRSHD-2 Node: BASIN-2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 21.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
18.820	0.410	0.41	1.940	23.010	0.417	4.170
5.130	34.870	34.87	4.690	20.480	0.402	5.590
5.310	0.000	0.00	3.220	9.240	0.412	8.740
0.700	0.000	0.00	4.760	51.140	0.417	4.170

Name: WTRSHD-3 Node: BASIN-3 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 29.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
79.770	20.510	19.37	1.940	23.010	0.417	4.170
0.630	0.000	0.00	4.690	20.480	0.402	5.590
21.440	5.220	0.00	3.220	9.240	0.412	8.740
8.400	5.500	0.00	4.660	4.320	0.402	5.590
0.510	0.000	0.00	1.770	11.030	0.412	8.740

Name: WTRSHD-4 Node: BASIN-4 Status: Onsite

Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 23.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
25.460	8.840	8.84	1.940	23.010	0.417	4.170
3.130	0.000	0.00	4.690	20.480	0.402	5.590
0.380	0.000	0.00	4.760	24.700	0.417	4.170
2.570	27.690	0.00	3.220	9.240	0.412	8.740
3.410	4.230	0.00	4.660	4.320	0.402	5.590
0.020	0.000	0.00	6.560	25.840	0.417	4.170

Name: WTRSHD-5 Node: BASIN-5 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 38.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
17.480	11.330	10.18	1.940	23.010	0.417	4.170
73.300	14.340	9.34	4.760	24.700	0.417	4.170
5.390	0.000	0.00	4.690	20.480	0.402	5.590
5.370	5.900	0.00	2.560	8.980	0.412	8.740
4.480	0.000	0.00	3.220	9.240	0.412	8.740
0.600	5.730	0.00	4.660	4.320	0.402	5.590
13.740	36.450	33.15	6.560	25.840	0.417	4.170
16.700	8.740	0.00	1.940	22.770	0.417	4.170
9.210	2.300	0.00	1.150	1.440	0.330	17.680
2.070	0.000	0.00	4.560	4.730	0.402	5.590

Name: WTRSHD-6 Node: BASIN-6 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 25.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)

16.710	17.030	10.89	1.940	23.010	0.417	4.170
1.200	0.420	0.00	4.760	24.700	0.417	4.170
2.880	89.650	85.94	4.690	20.480	0.402	5.590
0.360	7.510	0.00	3.220	9.240	0.412	8.740
11.570	9.520	6.14	6.560	25.840	0.417	4.170
1.070	0.000	0.00	1.940	22.770	0.417	4.170

Name: WTRSHD-7 Node: BASIN-7 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 33.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
21.580	10.250	3.98	1.940	23.010	0.417	4.170
44.420	13.330	8.11	4.760	24.700	0.417	4.170
3.600	7.750	0.00	3.220	9.240	0.412	8.740
11.300	21.580	20.15	6.560	25.840	0.417	4.170
1.410	0.000	0.00	1.940	22.770	0.417	4.170

Name: WTRSHD-8 Node: BASIN-8 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 18.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
5.340	5.120	5.12	1.940	23.010	0.417	4.170
2.870	11.740	11.74	4.760	24.700	0.417	4.170
2.280	0.000	0.00	1.940	22.770	0.417	4.170

Name: WTRSHD-9 Node: BASIN-9 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
18.780	3.260	0.51	1.940	23.010	0.417	4.170
0.050	0.000	0.00	4.760	24.700	0.417	4.170
7.130	21.730	21.03	2.560	8.980	0.412	8.740
2.850	0.910	0.00	3.220	9.240	0.412	8.740
4.800	17.810	16.66	1.940	22.770	0.417	4.170

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==== Nodes ==========
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Name: BASIN-1 Base Flow(cfs): 0.000 Init Stage(ft): 84.000
Group: BASE Warn Stage(ft): 86.000
Type: Stage/Area

Stage(ft)	Area(ac)
84.000	0.1109
85.000	0.3368
86.000	0.8292

Name: BASIN-10 Base Flow(cfs): 0.000 Init Stage(ft): 72.000
Group: BASE Warn Stage(ft): 79.000
Type: Stage/Area

Stage(ft)	Area(ac)
72.000	0.2390
73.000	0.8463
74.000	1.6392
75.000	4.0206
76.000	6.0829
77.000	7.5573
78.000	9.0290
79.000	10.7927

Name: BASIN-11 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.0472
82.000	0.1917

83.000	0.3917
84.000	0.7038

Name: BASIN-12 Base Flow(cfs): 0.000 Init Stage(ft): 82.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
82.000	0.3455
83.000	1.9849
84.000	3.3071

Name: BASIN-13 Base Flow(cfs): 0.000 Init Stage(ft): 80.000
Group: BASE Warn Stage(ft): 89.000
Type: Stage/Area

Stage(ft)	Area(ac)
80.000	0.0144
81.000	0.0239
82.000	0.0318
83.000	0.0400
84.000	0.0471
85.000	0.0539
86.000	0.0607
87.000	0.0679
88.000	0.0776
89.000	0.1216

Name: BASIN-14 Base Flow(cfs): 0.000 Init Stage(ft): 75.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
75.000	0.0025
76.000	0.0376
77.000	0.1083
78.000	0.1845
79.000	0.2779
80.000	0.3626
81.000	0.4484
82.000	0.5486
83.000	0.6682
84.000	0.8501

```
-------------------------------------------------------------------------------------
      Name: BASIN-15            Base Flow(cfs): 0.000          Init Stage(ft): 83.000
     Group: BASE                                              Warn Stage(ft): 84.750
      Type: Stage/Area
```

Stage(ft)	Area(ac)
83.000	0.0310
84.000	1.2410
84.750	2.9141

```
-------------------------------------------------------------------------------------
      Name: BASIN-2             Base Flow(cfs): 0.000          Init Stage(ft): 40.000
     Group: BASE                                              Warn Stage(ft): 84.250
      Type: Stage/Area
```

Stage(ft)	Area(ac)
40.000	0.0155
41.000	0.0213
42.000	0.0263
43.000	0.0319
44.000	0.0374
45.000	0.0427
46.000	0.0482
47.000	0.0551
48.000	0.0612
49.000	0.0674
50.000	0.0740
51.000	0.0803
52.000	0.0868
53.000	0.0941
54.000	0.1023
55.000	0.1106
56.000	0.1188
57.000	0.1270
58.000	0.1347
59.000	0.1428
60.000	0.1520
61.000	0.1611
62.000	0.1704
63.000	0.1804
64.000	0.1909
65.000	0.2012
66.000	0.2117
67.000	0.2221
68.000	0.2321
69.000	0.2426
70.000	0.2538
71.000	0.2660
72.000	0.2795
73.000	0.2934

74.000	0.3041
75.000	0.3264
76.000	0.3492
77.000	0.3766
78.000	0.4091
79.000	0.4425
80.000	0.4794
81.000	0.5268
82.000	0.7267
83.000	1.2730
84.000	2.5460
84.250	3.0910

Name: BASIN-3 Base Flow(cfs): 0.000 Init Stage(ft): 80.000
Group: BASE Warn Stage(ft): 88.000
Type: Stage/Area

Stage(ft)	Area(ac)
80.000	2.4286
82.000	5.8194
84.000	9.9374
86.000	15.4540
88.000	21.9330

Name: BASIN-4 Base Flow(cfs): 0.000 Init Stage(ft): 85.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
85.000	4.4846
86.000	4.9099
87.000	5.3501

Name: BASIN-5 Base Flow(cfs): 0.000 Init Stage(ft): 87.000
Group: BASE Warn Stage(ft): 89.000
Type: Stage/Area

Stage(ft)	Area(ac)
87.000	10.9942
88.000	11.9513
89.000	13.1792

Name: BASIN-6 Base Flow(cfs): 0.000 Init Stage(ft): 85.000

Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
85.000	8.7930
86.000	9.3921
87.000	10.0137

Name: BASIN-7 Base Flow(cfs): 0.000 Init Stage(ft): 78.000
Group: BASE Warn Stage(ft): 80.000
Type: Stage/Area

Stage(ft)	Area(ac)
78.000	7.1389
79.000	7.6506
80.000	8.4832

Name: BASIN-8 Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
86.000	0.6130
87.000	1.4340

Name: BASIN-9 Base Flow(cfs): 0.000 Init Stage(ft): 77.000
Group: BASE Warn Stage(ft): 79.750
Type: Stage/Area

Stage(ft)	Area(ac)
77.000	3.4896
78.000	3.8340
79.000	4.1932
79.750	4.9064

Name: GROUND Base Flow(cfs): 0.000 Init Stage(ft): 12.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	12.000
99999.00	12.000

Name: OUTFALL-8 Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	86.000
9999.00	86.000

==========

Cross Sections

==========

Name: WEIR-15 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	85.000	0.150000
5.843	84.930	0.150000
13.189	84.730	0.150000
16.834	84.820	0.150000
38.550	84.920	0.150000

Name: WEIR-2 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	84.510	0.150000
6.644	84.450	0.150000
12.506	84.500	0.150000

Name: WEIR-5 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	89.500	0.150000

25.355	89.260	0.150000
48.181	89.130	0.150000
71.919	89.180	0.150000
120.634	89.370	0.150000

Name: WEIR-6 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	87.160	0.150000
10.469	87.110	0.150000
18.933	87.120	0.150000
37.974	87.160	0.150000
42.827	87.180	0.150000

==========
==== Pipes ====
==========

Name: PIPE-8 From Node: BASIN-8 Length(ft): 58.47
Group: BASE To Node: OUTFALL-8 Count: 1
Friction Equation: Automatic

	UPSTREAM	DOWNSTREAM
Geometry:	Vert Ellipse	Vert Ellipse
Span(in):	14.00	14.00
Rise(in):	22.00	22.00
Invert(ft):	83.970	83.840
Manning's N:	0.011000	0.011000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: 0.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Vertical Ellipse Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Vertical Ellipse Concrete: Square edge w/ headwall

==========
==== Weirs ====
==========

Name: WEIR-13 From Node: BASIN-13
Group: BASE To Node: BASIN-2
Flow: Both Count: 1
Type: Vertical: Fread Geometry: Trapezoidal

Bottom Width(ft): 100.00
Left Side Slope(h/v): 5.00

```
       Right Side Slope(h/v): 5.00
                  Invert(ft): 88.900
       Control Elevation(ft): 88.900
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------
         Name: WEIR-15             From Node: BASIN-15
        Group: BASE                  To Node: BASIN-10
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-15
                  Invert(ft): 84.730
       Control Elevation(ft): 84.730
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------
         Name: WEIR-2              From Node: BASIN-2
        Group: BASE                  To Node: BASIN-12
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-2
                  Invert(ft): 84.450
       Control Elevation(ft): 84.450
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------
         Name: WEIR-5              From Node: BASIN-5
        Group: BASE                  To Node: BASIN-6
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-5
                  Invert(ft): 89.080
```

```
       Control Elevation(ft): 89.080
      Struct Opening Dim(ft): 9999.00
                                     TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
         Name: WEIR-6              From Node: BASIN-6
        Group: BASE                  To Node: BASIN-9
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: WEIR-6
                  Invert(ft): 87.110
       Control Elevation(ft): 87.110
      Struct Opening Dim(ft): 9999.00
                                     TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



===============================================================================================
==== Percolation Links ========================================================================
===============================================================================================

         Name: PERC-1              From Node: BASIN-1                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1032.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1200.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 1201.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
           Suction Head(in): 4.170                       Num Cells 2 to 3: 50
         Layer Thickness(ft): 39.000



-------------------------------------------------------------------------------------------------
         Name: PERC-10             From Node: BASIN-10                Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 3371.000
```

```
       Water Table Elev(ft): 45.000                      Perimeter 2(ft): 3373.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 3374.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
            Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 27.000



-------------------------------------------------------------------------------------------------
         Name: PERC-11            From Node: BASIN-11               Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                      Perimeter 1(ft): 727.000
        Water Table Elev(ft): 45.000                     Perimeter 2(ft): 1000.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 1001.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
            Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 36.000



-------------------------------------------------------------------------------------------------
         Name: PERC-12            From Node: BASIN-12               Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                      Perimeter 1(ft): 1401.000
        Water Table Elev(ft): 45.000                     Perimeter 2(ft): 1700.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 1701.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
            Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 37.000



-------------------------------------------------------------------------------------------------
         Name: PERC-13            From Node: BASIN-13               Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                      Perimeter 1(ft): 324.000
        Water Table Elev(ft): 45.000                     Perimeter 2(ft): 600.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 601.000
```

```
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
          Layer Thickness(ft): 35.000



--------------------------------------------------------------------------------------------------
          Name: PERC-14             From Node: BASIN-14                Flow: Positive
         Group: BASE                  To Node: GROUND                Count: 1

          Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 910.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1100.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1101.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
          Layer Thickness(ft): 30.000



--------------------------------------------------------------------------------------------------
          Name: PERC-15             From Node: BASIN-15                Flow: Positive
         Group: BASE                  To Node: GROUND                Count: 1

          Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 1361.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1500.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1501.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
          Layer Thickness(ft): 38.000



--------------------------------------------------------------------------------------------------
          Name: PERC-2              From Node: BASIN-2                 Flow: Positive
         Group: BASE                  To Node: GROUND                Count: 1

          Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 1359.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1475.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1476.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
```

```
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                        Num Cells 2 to 3: 50
        Layer Thickness(ft): 0.000


-------------------------------------------------------------------------------------------------
         Name: PERC-3             From Node: BASIN-3                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 3996.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 4130.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 4131.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
           Suction Head(in): 4.170                         Num Cells 2 to 3: 50
        Layer Thickness(ft): 35.000



-------------------------------------------------------------------------------------------------
         Name: PERC-4             From Node: BASIN-4                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 1950.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 2261.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 2262.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
           Suction Head(in): 4.170                         Num Cells 2 to 3: 50
        Layer Thickness(ft): 40.000



-------------------------------------------------------------------------------------------------
         Name: PERC-5             From Node: BASIN-5                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 4353.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 4428.390
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 4429.390
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
           Suction Head(in): 4.170                         Num Cells 2 to 3: 50
```

```
         Layer Thickness(ft): 52.000



-------------------------------------------------------------------------------------------------
         Name: PERC-6              From Node: BASIN-6                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 2747.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 2977.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 2978.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
         Layer Thickness(ft): 40.000



-------------------------------------------------------------------------------------------------
         Name: PERC-7              From Node: BASIN-7                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 2492.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 2700.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 2701.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
         Layer Thickness(ft): 33.000



-------------------------------------------------------------------------------------------------
         Name: PERC-8              From Node: BASIN-8                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1157.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1300.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 1301.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
         Layer Thickness(ft): 41.000
```

```
-------------------------------------------------------------------------------------------------
         Name: PERC-9             From Node: BASIN-9                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                       Perimeter 1(ft): 1596.520
        Water Table Elev(ft): 45.000                      Perimeter 2(ft): 1910.000
  Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 1911.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
            Suction Head(in): 4.170                      Num Cells 2 to 3: 50
         Layer Thickness(ft): 32.000




=================================================================================================
==== Hydrology Simulations =====================================================================
=================================================================================================

         Name: 100YR1HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR1HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: Fdot-1
    Rainfall Amount(in): 4.40

Time(hrs)       Print Inc(min)
--------------- ---------------
721.000         5.00

-------------------------------------------------------------------------------------------------
         Name: 100YR24HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Fdot-24
    Rainfall Amount(in): 11.04

Time(hrs)       Print Inc(min)
--------------- ---------------
744.000         5.00

-------------------------------------------------------------------------------------------------
         Name: 100YR2HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR2HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 2.00
```

```
          Rainfall File: Fdot-2
    Rainfall Amount(in): 5.40

Time(hrs)       Print Inc(min)
--------------- ---------------
722.000         5.00

-------------------------------------------------------------------------------------------------
         Name: 100YR4HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR4HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 4.00
          Rainfall File: Fdot-4
    Rainfall Amount(in): 6.72

Time(hrs)       Print Inc(min)
--------------- ---------------
724.000         5.00

-------------------------------------------------------------------------------------------------
         Name: 100YR8HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR8HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 8.00
          Rainfall File: Fdot-8
    Rainfall Amount(in): 8.00

Time(hrs)       Print Inc(min)
--------------- ---------------
728.000         5.00

=================================================================================================
==== Routing Simulations ========================================================================
=================================================================================================

         Name: 100YR1HR            Hydrology Sim: 100YR1HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR1HR.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 721.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 30.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
```

BASE	Yes

Name: 100YR24HR Hydrology Sim: 100YR24HR
Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR24HR.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 744.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 30.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
300.000	5.000
960.000	15.000

Group	Run
BASE	Yes

Name: 100YR2HR Hydrology Sim: 100YR2HR
Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR2HR.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 722.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 30.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes

Name: 100YR4HR Hydrology Sim: 100YR4HR
Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR4HR.I32

```
     Execute: No          Restart: No            Patch: No
 Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 724.00
    Min Calc Time(sec): 0.5000               Max Calc Time(sec): 30.0000
       Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
300.000         5.000
960.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
        Name: 100YR8HR            Hydrology Sim: 100YR8HR
    Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR8HR.I32

     Execute: No          Restart: No            Patch: No
 Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 728.00
    Min Calc Time(sec): 0.5000               Max Calc Time(sec): 30.0000
       Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
300.000         5.000
960.000         15.000

Group           Run
--------------- -----
BASE            Yes
```

Alachua Solar Post-Development 100-year, 1-hour Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR1HR	2.85	84.55	86.00	0.0007	10252	0.92	1.28	2.85	0.12
BASIN-10	BASE	100YR1HR	3.17	74.34	79.00	0.0021	106429	0.92	29.34	3.17	1.23
BASIN-11	BASE	100YR1HR	0.55	81.00	84.00	-0.0000	2056	0.67	0.01	0.67	0.01
BASIN-12	BASE	100YR1HR	1.84	82.69	84.00	0.0004	64094	0.75	11.14	1.84	0.74
BASIN-13	BASE	100YR1HR	2.62	81.80	89.00	0.0019	1317	0.83	0.57	2.62	0.02
BASIN-14	BASE	100YR1HR	1.67	77.26	84.00	0.0023	5581	0.67	2.34	1.67	0.06
BASIN-15	BASE	100YR1HR	1.08	83.03	84.75	-0.0003	3002	0.67	0.07	1.08	0.03
BASIN-2	BASE	100YR1HR	2.00	51.29	84.25	0.0050	3581	0.75	9.18	1.23	1.45
BASIN-3	BASE	100YR1HR	3.07	81.57	88.00	0.0021	221658	0.83	74.81	3.07	2.57
BASIN-4	BASE	100YR1HR	2.05	85.19	87.00	-0.0002	198850	0.75	17.55	2.05	2.30
BASIN-5	BASE	100YR1HR	3.25	87.43	89.00	0.0009	496768	1.00	61.54	3.25	5.75
BASIN-6	BASE	100YR1HR	1.92	85.12	87.00	-0.0002	386048	0.83	22.31	1.92	4.47
BASIN-7	BASE	100YR1HR	2.60	78.22	80.00	0.0003	315824	0.92	25.14	2.60	3.66
BASIN-8	BASE	100YR1HR	0.93	86.05	87.00	-0.0010	28513	0.75	3.26	0.93	2.65
BASIN-9	BASE	100YR1HR	1.93	77.16	79.75	-0.0002	154405	0.75	11.43	1.93	1.79

Alachua Solar Post-Development 100 year, 2 hour Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR2HR	3.24	84.64	86.00	0.0008	11154	1.08	1.14	3.24	0.13
BASIN-10	BASE	100YR2HR	3.53	74.54	79.00	0.0019	127724	1.08	26.05	3.53	1.48
BASIN-11	BASE	100YR2HR	0.83	81.00	84.00	0.0000	2056	0.83	0.01	0.83	0.01
BASIN-12	BASE	100YR2HR	2.37	82.77	84.00	0.0003	69793	0.92	9.49	2.37	0.81
BASIN-13	BASE	100YR2HR	3.14	82.09	89.00	0.0018	1419	1.00	0.49	3.14	0.02
BASIN-14	BASE	100YR2HR	2.42	77.45	84.00	0.0018	6207	0.83	1.95	2.42	0.07
BASIN-15	BASE	100YR2HR	2.34	83.00	84.75	0.0000	29686	0.92	0.06	0.92	0.06
BASIN-2	BASE	100YR2HR	2.43	52.47	84.25	0.0050	3932	0.92	7.88	1.56	1.49
BASIN-3	BASE	100YR2HR	3.46	81.72	88.00	0.0021	232988	1.00	62.60	3.46	2.70
BASIN-4	BASE	100YR2HR	2.38	85.17	87.00	-0.0003	198462	1.00	12.99	2.38	2.30
BASIN-5	BASE	100YR2HR	3.59	87.47	89.00	0.0009	498348	1.17	52.54	3.59	5.77
BASIN-6	BASE	100YR2HR	2.43	85.14	87.00	-0.0002	386702	1.00	19.45	2.43	4.48
BASIN-7	BASE	100YR2HR	3.06	78.27	80.00	0.0004	317075	1.08	22.44	3.06	3.67
BASIN-8	BASE	100YR2HR	1.10	86.04	87.00	-0.0006	28119	0.92	2.78	1.10	2.38
BASIN-9	BASE	100YR2HR	2.40	77.19	79.75	-0.0003	154899	0.92	9.84	2.40	1.79

Alachua Solar Post-Development 100 year, 4 hour Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR4HR	4.73	84.74	86.00	0.0007	12107	2.58	0.90	4.73	0.14
BASIN-10	BASE	100YR4HR	5.03	74.76	79.00	0.0016	150404	2.58	20.49	5.03	1.74
BASIN-11	BASE	100YR4HR	3.88	81.00	84.00	0.0000	2056	2.08	0.01	2.08	0.01
BASIN-12	BASE	100YR4HR	4.06	82.85	84.00	0.0004	75961	2.08	6.28	4.06	0.88
BASIN-13	BASE	100YR4HR	4.79	82.44	89.00	0.0018	1542	2.25	0.35	4.79	0.02
BASIN-14	BASE	100YR4HR	4.18	77.67	84.00	0.0011	6938	2.08	1.20	4.18	0.08
BASIN-15	BASE	100YR4HR	3.88	83.00	84.75	0.0000	29686	2.08	0.04	2.08	0.04
BASIN-2	BASE	100YR4HR	4.08	53.79	84.25	0.0049	4382	2.17	5.56	3.00	1.51
BASIN-3	BASE	100YR4HR	5.03	81.89	88.00	0.0019	245520	2.50	42.86	5.03	2.84
BASIN-4	BASE	100YR4HR	3.80	85.13	87.00	-0.0003	197717	2.25	6.70	3.80	2.29
BASIN-5	BASE	100YR4HR	5.26	87.58	89.00	0.0012	503248	2.67	40.49	5.26	5.82
BASIN-6	BASE	100YR4HR	3.95	85.16	87.00	-0.0003	387089	2.50	14.26	3.95	4.48
BASIN-7	BASE	100YR4HR	4.58	78.33	80.00	0.0005	318281	2.58	17.92	4.58	3.68
BASIN-8	BASE	100YR4HR	2.40	86.02	87.00	-0.0006	27459	2.17	1.88	2.40	1.82
BASIN-9	BASE	100YR4HR	3.97	77.22	79.75	-0.0003	155242	2.17	7.05	3.97	1.80

Alachua Solar Post-Development 100 year, 8 hour Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR24HR	24.39	85.27	86.00	0.0003	20377	21.00	0.90	24.39	0.24
BASIN-10	BASE	100YR24HR	24.52	75.89	79.00	0.0020	255156	19.17	16.60	24.52	2.95
BASIN-11	BASE	100YR24HR	24.28	82.76	84.00	0.0035	14979	19.08	1.30	24.28	0.17
BASIN-12	BASE	100YR24HR	22.39	82.95	84.00	0.0004	82577	19.08	2.21	22.39	0.96
BASIN-13	BASE	100YR24HR	20.58	88.95	89.00	0.0050	5210	20.58	4.15	20.58	4.15
BASIN-14	BASE	100YR24HR	21.48	77.90	84.00	0.0019	7719	12.00	0.40	21.48	0.09
BASIN-15	BASE	100YR24HR	24.20	84.09	84.75	0.0045	62698	19.67	3.18	24.20	0.73
BASIN-2	BASE	100YR24HR	24.47	68.44	84.25	0.0050	10313	20.34	11.07	21.46	2.35
BASIN-3	BASE	100YR24HR	24.65	83.22	88.00	0.0015	363066	19.25	27.53	24.65	4.20
BASIN-4	BASE	100YR24HR	24.23	85.37	87.00	-0.0003	202245	20.50	8.60	24.23	2.34
BASIN-5	BASE	100YR24HR	24.30	88.01	89.00	0.0007	520879	12.25	21.22	24.30	6.03
BASIN-6	BASE	100YR24HR	22.28	85.12	87.00	-0.0003	386255	19.08	9.00	22.28	4.47
BASIN-7	BASE	100YR24HR	23.67	78.47	80.00	0.0007	321484	19.17	11.78	23.67	3.72
BASIN-8	BASE	100YR24HR	20.34	86.05	87.00	-0.0006	28559	19.92	2.72	20.34	2.68
BASIN-9	BASE	100YR24HR	24.32	77.64	79.75	0.0012	161624	19.17	9.80	24.32	1.87

Alachua Solar Post-Development 100 year, 24 hour Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR24HR	24.39	85.27	86.00	0.0003	20377	21.00	0.90	24.39	0.24
BASIN-10	BASE	100YR24HR	24.52	75.89	79.00	0.0020	255156	19.17	16.60	24.52	2.95
BASIN-11	BASE	100YR24HR	24.28	82.76	84.00	0.0035	14979	19.08	1.30	24.28	0.17
BASIN-12	BASE	100YR24HR	22.39	82.95	84.00	0.0004	82577	19.08	2.21	22.39	0.96
BASIN-13	BASE	100YR24HR	20.58	88.95	89.00	0.0050	5210	20.58	4.15	20.58	4.15
BASIN-14	BASE	100YR24HR	21.48	77.90	84.00	0.0019	7719	12.00	0.40	21.48	0.09
BASIN-15	BASE	100YR24HR	24.20	84.09	84.75	0.0045	62698	19.67	3.18	24.20	0.73
BASIN-2	BASE	100YR24HR	24.47	68.44	84.25	0.0050	10313	20.34	11.07	21.46	2.35
BASIN-3	BASE	100YR24HR	24.65	83.22	88.00	0.0015	363066	19.25	27.53	24.65	4.20
BASIN-4	BASE	100YR24HR	24.23	85.37	87.00	-0.0003	202245	20.50	8.60	24.23	2.34
BASIN-5	BASE	100YR24HR	24.30	88.01	89.00	0.0007	520879	12.25	21.22	24.30	6.03
BASIN-6	BASE	100YR24HR	22.28	85.12	87.00	-0.0003	386255	19.08	9.00	22.28	4.47
BASIN-7	BASE	100YR24HR	23.67	78.47	80.00	0.0007	321484	19.17	11.78	23.67	3.72
BASIN-8	BASE	100YR24HR	20.34	86.05	87.00	-0.0006	28559	19.92	2.72	20.34	2.68
BASIN-9	BASE	100YR24HR	24.32	77.64	79.75	0.0012	161624	19.17	9.80	24.32	1.87

Alachua Solar Basin 8 Discharge

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
PIPE-8	BASE	100YR1HR	0.93	2.32	-0.333	0.93	86.05	0.00	86.00
PIPE-8	BASE	100YR24HR	0.00	0.00	0.000	0.00	86.00	0.00	86.00
PIPE-8	BASE	100YR2HR	1.10	2.06	-0.258	1.10	86.04	0.00	86.00
PIPE-8	BASE	100YR4HR	2.40	1.50	-0.258	2.40	86.02	0.00	86.00
PIPE-8	BASE	100YR8HR	4.13	1.53	-0.259	4.13	86.02	0.00	86.00

Alachua Solar Post-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	OUTFALL-8	BASE	715.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR1HR	OUTFALL-8	BASE	715.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR1HR	OUTFALL-8	BASE	716.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR1HR	OUTFALL-8	BASE	716.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	716.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	716.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	717.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	717.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	717.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	717.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	718.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	718.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	718.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.4	0.0
100YR1HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.4	0.0
100YR1HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.4	0.0
100YR1HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0
100YR1HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0
100YR24HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.08	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.17	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.33	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.42	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.58	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.67	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.83	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.92	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.00	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.09	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.17	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.25	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.34	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.42	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.50	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.58	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.67	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.75	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.83	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.92	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	2.00	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	2.08	86.00	0.00	2	0.05	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	2.17	86.00	0.00	2	0.05	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	2.25	86.00	0.00	2	0.05	0.00	0.0	0.0

100YR1HR POST

Alachua Solar Post-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR24HR	OUTFALL-8	BASE	732.00	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	732.25	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	732.50	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	732.75	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.00	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.25	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.50	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.75	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.00	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.25	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.50	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.75	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.00	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.25	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.50	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.75	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.00	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.25	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.50	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.75	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	737.00	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	737.25	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	737.50	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	737.75	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.00	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.25	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.50	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.75	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	739.00	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	739.25	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	739.50	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	739.75	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.00	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.25	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.50	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.75	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	741.00	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	741.25	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	741.50	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	741.75	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.00	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.25	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.50	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.75	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	743.00	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	743.25	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	743.50	86.00	0.00	2	-0.62	0.00	-35.7	0.0	
100YR24HR	OUTFALL-8	BASE	743.75	86.00	0.00	2	-0.62	0.00	-35.7	0.0	
100YR24HR	OUTFALL-8	BASE	744.00	86.00	0.00	2	-0.62	0.00	-35.7	0.0	100YR24HR POST
100YR2HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR2HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.08	0.00	0.0	0.0	
100YR2HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.76	0.00	0.0	0.0	

Alachua Solar Post-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR2HR	OUTFALL-8	BASE	716.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	716.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	716.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.75	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR2HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR2HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	100YR2HR POST
100YR4HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.08	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.17	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.33	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.42	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.58	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.67	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.83	86.00	0.00	2	0.14	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.92	86.00	0.00	2	0.20	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.00	86.00	0.00	2	0.26	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.08	86.00	0.00	2	0.31	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.17	86.00	0.00	2	0.40	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.25	86.00	0.00	2	0.50	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.33	86.00	0.00	2	0.60	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.42	86.00	0.00	2	0.70	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.50	86.00	0.00	2	0.78	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.58	86.00	0.00	2	0.85	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.67	86.00	0.00	2	0.93	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.75	86.00	0.00	2	1.03	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.83	86.00	0.00	2	1.14	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	1.92	86.00	0.00	2	1.24	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.00	86.00	0.00	2	1.33	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.08	86.00	0.00	2	1.40	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.17	86.00	0.00	2	1.46	0.00	0.1	0.0	

Alachua Solar Post-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR4HR	OUTFALL-8	BASE	718.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	722.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	722.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	722.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	724.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR4HR	OUTFALL-8	BASE	724.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	100YR2HR POST
100YR8HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.08	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.17	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.33	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.42	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.58	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.67	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.83	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.92	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.09	86.00	0.00	2	0.03	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.17	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.25	86.00	0.00	2	0.05	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.33	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.42	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.50	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.58	86.00	0.00	2	0.08	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.67	86.00	0.00	2	0.11	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.75	86.00	0.00	2	0.13	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.83	86.00	0.00	2	0.15	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.92	86.00	0.00	2	0.16	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.00	86.00	0.00	2	0.18	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.08	86.00	0.00	2	0.19	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.17	86.00	0.00	2	0.22	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.25	86.00	0.00	2	0.26	0.00	0.0	0.0	

Alachua Solar Post-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-35.9	0.0
100YR8HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-35.9	0.0
100YR8HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-35.9	0.0
100YR8HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-35.9	0.0
100YR8HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-35.9	0.0
100YR8HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-35.9	0.0
100YR8HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	721.25	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	721.50	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	721.75	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	722.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	722.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	722.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	723.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	723.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	723.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	723.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	724.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	724.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	724.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	724.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	725.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	725.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	725.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	725.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	726.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	726.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	726.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	726.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	727.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	727.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	727.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	727.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	728.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0
100YR8HR	OUTFALL-8	BASE	728.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0 100YR8HR POST

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-1	BASE	13.25	84.13	86.00	6151	0.00	0.07	0.1	0.1
100YR1HR	BASIN-1	BASE	13.50	84.12	86.00	6049	0.00	0.07	0.1	0.1
100YR1HR	BASIN-1	BASE	13.75	84.11	86.00	5946	0.00	0.07	0.1	0.1
100YR1HR	BASIN-1	BASE	14.00	84.10	86.00	5844	0.00	0.07	0.1	0.1
100YR1HR	BASIN-1	BASE	14.25	84.09	86.00	5741	0.00	0.07	0.1	0.1
100YR1HR	BASIN-1	BASE	14.50	84.08	86.00	5639	0.00	0.07	0.1	0.1
100YR1HR	BASIN-1	BASE	14.75	84.07	86.00	5536	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	15.00	84.06	86.00	5434	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	15.25	84.05	86.00	5331	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	15.50	84.04	86.00	5229	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	15.75	84.03	86.00	5126	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	16.00	84.02	86.00	5024	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	16.25	84.01	86.00	4921	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	16.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	16.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	17.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	17.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	17.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	17.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	18.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	18.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	18.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	18.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	19.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	19.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	19.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	19.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	20.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	20.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	20.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	20.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	21.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	21.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	21.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	21.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	22.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	22.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	22.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	22.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	23.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	23.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	23.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	23.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	24.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	24.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	24.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	24.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	25.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	25.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	25.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	25.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	26.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	26.25	84.00	86.00	4831	0.00	0.00	0.1	0.1

100YR1HR BASIN 1 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-10	BASE	46.75	72.53	79.00	24485	0.00	0.28	2.7	2.5
100YR1HR	BASIN-10	BASE	47.00	72.52	79.00	24209	0.00	0.28	2.7	2.5
100YR1HR	BASIN-10	BASE	47.25	72.51	79.00	23934	0.00	0.28	2.7	2.5
100YR1HR	BASIN-10	BASE	47.50	72.50	79.00	23658	0.00	0.27	2.7	2.5
100YR1HR	BASIN-10	BASE	47.75	72.49	79.00	23382	0.00	0.27	2.7	2.5
100YR1HR	BASIN-10	BASE	48.00	72.48	79.00	23107	0.00	0.27	2.7	2.5
100YR1HR	BASIN-10	BASE	48.25	72.47	79.00	22831	0.00	0.26	2.7	2.5
100YR1HR	BASIN-10	BASE	48.50	72.46	79.00	22556	0.00	0.26	2.7	2.5
100YR1HR	BASIN-10	BASE	48.75	72.45	79.00	22280	0.00	0.26	2.7	2.5
100YR1HR	BASIN-10	BASE	49.00	72.44	79.00	22005	0.00	0.25	2.7	2.5
100YR1HR	BASIN-10	BASE	49.25	72.43	79.00	21729	0.00	0.25	2.7	2.6
100YR1HR	BASIN-10	BASE	49.50	72.42	79.00	21453	0.00	0.25	2.7	2.6
100YR1HR	BASIN-10	BASE	49.75	72.41	79.00	21178	0.00	0.25	2.7	2.6
100YR1HR	BASIN-10	BASE	50.00	72.40	79.00	20902	0.00	0.24	2.7	2.6
100YR1HR	BASIN-10	BASE	50.25	72.39	79.00	20627	0.00	0.24	2.7	2.6
100YR1HR	BASIN-10	BASE	50.50	72.38	79.00	20351	0.00	0.24	2.7	2.6
100YR1HR	BASIN-10	BASE	50.75	72.37	79.00	20076	0.00	0.23	2.7	2.6
100YR1HR	BASIN-10	BASE	51.00	72.35	79.00	19800	0.00	0.23	2.7	2.6
100YR1HR	BASIN-10	BASE	51.25	72.34	79.00	19525	0.00	0.23	2.7	2.6
100YR1HR	BASIN-10	BASE	51.50	72.33	79.00	19249	0.00	0.22	2.7	2.6
100YR1HR	BASIN-10	BASE	51.75	72.32	79.00	18973	0.00	0.22	2.7	2.6
100YR1HR	BASIN-10	BASE	52.00	72.31	79.00	18698	0.00	0.22	2.7	2.6
100YR1HR	BASIN-10	BASE	52.25	72.30	79.00	18422	0.00	0.21	2.7	2.6
100YR1HR	BASIN-10	BASE	52.50	72.29	79.00	18147	0.00	0.21	2.7	2.6
100YR1HR	BASIN-10	BASE	52.75	72.28	79.00	17871	0.00	0.21	2.7	2.6
100YR1HR	BASIN-10	BASE	53.00	72.27	79.00	17596	0.00	0.20	2.7	2.6
100YR1HR	BASIN-10	BASE	53.25	72.26	79.00	17320	0.00	0.20	2.7	2.6
100YR1HR	BASIN-10	BASE	53.50	72.25	79.00	17044	0.00	0.20	2.7	2.6
100YR1HR	BASIN-10	BASE	53.75	72.24	79.00	16769	0.00	0.19	2.7	2.6
100YR1HR	BASIN-10	BASE	54.00	72.23	79.00	16493	0.00	0.19	2.7	2.6
100YR1HR	BASIN-10	BASE	54.25	72.22	79.00	16218	0.00	0.19	2.7	2.6
100YR1HR	BASIN-10	BASE	54.50	72.21	79.00	15942	0.00	0.18	2.7	2.6
100YR1HR	BASIN-10	BASE	54.75	72.20	79.00	15667	0.00	0.18	2.7	2.6
100YR1HR	BASIN-10	BASE	55.00	72.19	79.00	15391	0.00	0.18	2.7	2.7
100YR1HR	BASIN-10	BASE	55.25	72.18	79.00	15115	0.00	0.17	2.7	2.7
100YR1HR	BASIN-10	BASE	55.50	72.17	79.00	14840	0.00	0.17	2.7	2.7
100YR1HR	BASIN-10	BASE	55.75	72.16	79.00	14564	0.00	0.17	2.7	2.7
100YR1HR	BASIN-10	BASE	56.00	72.15	79.00	14289	0.00	0.17	2.7	2.7
100YR1HR	BASIN-10	BASE	56.25	72.14	79.00	14013	0.00	0.16	2.7	2.7
100YR1HR	BASIN-10	BASE	56.50	72.13	79.00	13738	0.00	0.16	2.7	2.7
100YR1HR	BASIN-10	BASE	56.75	72.12	79.00	13462	0.00	0.16	2.7	2.7
100YR1HR	BASIN-10	BASE	57.00	72.10	79.00	13187	0.00	0.15	2.7	2.7
100YR1HR	BASIN-10	BASE	57.25	72.09	79.00	12911	0.00	0.15	2.7	2.7
100YR1HR	BASIN-10	BASE	57.50	72.08	79.00	12635	0.00	0.15	2.7	2.7
100YR1HR	BASIN-10	BASE	57.75	72.07	79.00	12360	0.00	0.14	2.7	2.7
100YR1HR	BASIN-10	BASE	58.00	72.06	79.00	12084	0.00	0.14	2.7	2.7
100YR1HR	BASIN-10	BASE	58.25	72.05	79.00	11809	0.00	0.14	2.7	2.7
100YR1HR	BASIN-10	BASE	58.50	72.04	79.00	11533	0.00	0.13	2.7	2.7
100YR1HR	BASIN-10	BASE	58.75	72.03	79.00	11258	0.00	0.13	2.7	2.7
100YR1HR	BASIN-10	BASE	59.00	72.02	79.00	10982	0.00	0.13	2.7	2.7
100YR1HR	BASIN-10	BASE	59.25	72.01	79.00	10706	0.00	0.12	2.7	2.7
100YR1HR	BASIN-10	BASE	59.50	72.00	79.00	10431	0.00	0.12	2.7	2.7
100YR1HR	BASIN-10	BASE	59.75	72.00	79.00	10411	0.00	0.00	2.7	2.7

100YR1HR BASIN 10 POST RECOVERY

100YR1HR BASIN 11 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-11	BASE	0.75	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR1HR	BASIN-11	BASE	1.00	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR1HR	BASIN-11	BASE	1.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	1.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	1.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	2.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	2.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	2.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	2.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	3.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	3.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	3.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	3.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	4.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	4.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	4.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	4.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	5.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	5.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	5.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	5.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	6.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	6.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	6.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	6.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	7.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	7.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	7.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	7.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	8.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	8.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	8.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	8.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	9.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	9.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	9.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	9.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	10.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	10.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	10.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	10.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	11.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	11.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	11.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	11.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	12.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	12.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	12.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	12.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	13.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	13.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	13.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	13.75	81.00	84.00	2056	0.00	0.00	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-12	BASE	7.75	82.45	84.00	47001	0.00	0.54	0.7	0.4
100YR1HR	BASIN-12	BASE	8.00	82.44	84.00	46257	0.00	0.54	0.7	0.4
100YR1HR	BASIN-12	BASE	8.25	82.43	84.00	45512	0.00	0.53	0.7	0.4
100YR1HR	BASIN-12	BASE	8.50	82.42	84.00	44770	0.00	0.52	0.7	0.4
100YR1HR	BASIN-12	BASE	8.75	82.41	84.00	44025	0.00	0.51	0.7	0.4
100YR1HR	BASIN-12	BASE	9.00	82.40	84.00	43281	0.00	0.50	0.7	0.4
100YR1HR	BASIN-12	BASE	9.25	82.38	84.00	42538	0.00	0.49	0.7	0.5
100YR1HR	BASIN-12	BASE	9.50	82.37	84.00	41794	0.00	0.48	0.7	0.5
100YR1HR	BASIN-12	BASE	9.75	82.36	84.00	41049	0.00	0.48	0.7	0.5
100YR1HR	BASIN-12	BASE	10.00	82.35	84.00	40307	0.00	0.47	0.7	0.5
100YR1HR	BASIN-12	BASE	10.25	82.34	84.00	39562	0.00	0.46	0.7	0.5
100YR1HR	BASIN-12	BASE	10.50	82.33	84.00	38818	0.00	0.45	0.7	0.5
100YR1HR	BASIN-12	BASE	10.75	82.32	84.00	38074	0.00	0.44	0.7	0.5
100YR1HR	BASIN-12	BASE	11.00	82.31	84.00	37331	0.00	0.43	0.7	0.5
100YR1HR	BASIN-12	BASE	11.25	82.30	84.00	36586	0.00	0.42	0.7	0.5
100YR1HR	BASIN-12	BASE	11.50	82.29	84.00	35842	0.00	0.41	0.7	0.5
100YR1HR	BASIN-12	BASE	11.75	82.28	84.00	35099	0.00	0.41	0.7	0.5
100YR1HR	BASIN-12	BASE	12.00	82.27	84.00	34355	0.00	0.40	0.7	0.6
100YR1HR	BASIN-12	BASE	12.25	82.26	84.00	33611	0.00	0.39	0.7	0.6
100YR1HR	BASIN-12	BASE	12.50	82.25	84.00	32868	0.00	0.38	0.7	0.6
100YR1HR	BASIN-12	BASE	12.75	82.24	84.00	32123	0.00	0.37	0.7	0.6
100YR1HR	BASIN-12	BASE	13.00	82.23	84.00	31379	0.00	0.36	0.7	0.6
100YR1HR	BASIN-12	BASE	13.25	82.22	84.00	30636	0.00	0.35	0.7	0.6
100YR1HR	BASIN-12	BASE	13.50	82.21	84.00	29892	0.00	0.35	0.7	0.6
100YR1HR	BASIN-12	BASE	13.75	82.20	84.00	29148	0.00	0.34	0.7	0.6
100YR1HR	BASIN-12	BASE	14.00	82.19	84.00	28403	0.00	0.33	0.7	0.6
100YR1HR	BASIN-12	BASE	14.25	82.18	84.00	27660	0.00	0.32	0.7	0.6
100YR1HR	BASIN-12	BASE	14.50	82.17	84.00	26916	0.00	0.31	0.7	0.6
100YR1HR	BASIN-12	BASE	14.75	82.16	84.00	26172	0.00	0.30	0.7	0.6
100YR1HR	BASIN-12	BASE	15.00	82.15	84.00	25429	0.00	0.29	0.7	0.6
100YR1HR	BASIN-12	BASE	15.25	82.13	84.00	24685	0.00	0.29	0.7	0.6
100YR1HR	BASIN-12	BASE	15.50	82.12	84.00	23940	0.00	0.28	0.7	0.7
100YR1HR	BASIN-12	BASE	15.75	82.11	84.00	23197	0.00	0.27	0.7	0.7
100YR1HR	BASIN-12	BASE	16.00	82.10	84.00	22453	0.00	0.26	0.7	0.7
100YR1HR	BASIN-12	BASE	16.25	82.09	84.00	21709	0.00	0.25	0.7	0.7
100YR1HR	BASIN-12	BASE	16.50	82.08	84.00	20964	0.00	0.24	0.7	0.7
100YR1HR	BASIN-12	BASE	16.75	82.07	84.00	20222	0.00	0.23	0.7	0.7
100YR1HR	BASIN-12	BASE	17.00	82.06	84.00	19477	0.00	0.23	0.7	0.7
100YR1HR	BASIN-12	BASE	17.25	82.05	84.00	18733	0.00	0.22	0.7	0.7
100YR1HR	BASIN-12	BASE	17.50	82.04	84.00	17990	0.00	0.21	0.7	0.7
100YR1HR	BASIN-12	BASE	17.75	82.03	84.00	17246	0.00	0.20	0.7	0.7
100YR1HR	BASIN-12	BASE	18.00	82.02	84.00	16501	0.00	0.19	0.7	0.7
100YR1HR	BASIN-12	BASE	18.25	82.01	84.00	15759	0.00	0.18	0.7	0.7
100YR1HR	BASIN-12	BASE	18.50	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	18.75	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	19.00	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	19.25	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	19.50	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	19.75	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	20.00	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	20.25	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	20.50	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	20.75	82.00	84.00	15050	0.00	0.00	0.7	0.7

100YR1HR BASIN 12 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-13	BASE	41.25	80.20	89.00	709	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	41.50	80.19	89.00	705	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	41.75	80.18	89.00	700	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	42.00	80.17	89.00	696	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	42.25	80.16	89.00	692	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	42.50	80.15	89.00	687	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	42.75	80.14	89.00	683	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	43.00	80.12	89.00	679	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	43.25	80.11	89.00	675	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	43.50	80.10	89.00	670	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	43.75	80.09	89.00	666	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	44.00	80.08	89.00	662	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	44.25	80.07	89.00	657	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	44.50	80.06	89.00	653	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	44.75	80.05	89.00	649	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	45.00	80.04	89.00	644	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	45.25	80.03	89.00	640	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	45.50	80.02	89.00	636	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	45.75	80.01	89.00	631	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	46.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	46.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	46.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	46.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	47.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	47.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	47.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	47.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	48.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	48.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	48.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	48.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	49.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	49.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	49.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	49.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	50.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	50.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	50.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	50.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	51.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	51.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	51.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	51.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	52.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	52.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	52.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	52.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	53.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	53.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	53.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	53.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	54.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	54.25	80.00	89.00	627	0.00	0.00	0.0	0.0

100YR1HR BASIN 13 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-14	BASE	48.25	75.32	84.00	604	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	48.50	75.31	84.00	588	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	48.75	75.30	84.00	572	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	49.00	75.29	84.00	556	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	49.25	75.28	84.00	540	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	49.50	75.27	84.00	525	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	49.75	75.26	84.00	509	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	50.00	75.25	84.00	493	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	50.25	75.24	84.00	477	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	50.50	75.23	84.00	461	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	50.75	75.22	84.00	445	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	51.00	75.21	84.00	429	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	51.25	75.20	84.00	413	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	51.50	75.19	84.00	397	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	51.75	75.18	84.00	381	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	52.00	75.17	84.00	365	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	52.25	75.16	84.00	349	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	52.50	75.15	84.00	333	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	52.75	75.14	84.00	317	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	53.00	75.13	84.00	302	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	53.25	75.12	84.00	286	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	53.50	75.11	84.00	270	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	53.75	75.09	84.00	254	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	54.00	75.08	84.00	238	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	54.25	75.07	84.00	222	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	54.50	75.06	84.00	206	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	54.75	75.05	84.00	190	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	55.00	75.04	84.00	174	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	55.25	75.03	84.00	158	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	55.50	75.02	84.00	142	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	55.75	75.01	84.00	126	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	56.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	56.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	56.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	56.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	57.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	57.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	57.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	57.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	58.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	58.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	58.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	58.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	59.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	59.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	59.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	59.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	60.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	60.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	60.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	60.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	61.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	61.25	75.00	84.00	113	0.00	0.00	0.1	0.1

100YR1HR BASIN 14 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-14	BASE	710.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	711.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	711.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	711.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	711.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	712.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	712.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	712.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	712.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	713.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	713.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	713.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	713.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	714.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	714.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	714.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	714.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	715.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	715.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	715.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	715.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	716.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	716.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	716.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	716.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	717.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	717.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	717.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	717.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	718.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	718.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	718.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	718.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	719.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	719.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	719.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	719.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	720.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	720.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	720.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	720.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	721.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	721.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-15	BASE	0.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR1HR	BASIN-15	BASE	0.25	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR1HR	BASIN-15	BASE	0.50	83.00	84.75	29686	0.05	0.05	0.0	0.0
100YR1HR	BASIN-15	BASE	0.75	83.00	84.75	29686	0.07	0.07	0.0	0.0
100YR1HR	BASIN-15	BASE	1.00	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR1HR	BASIN-15	BASE	1.25	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR1HR	BASIN-15	BASE	1.50	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR1HR	BASIN-15	BASE	1.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR1HR	BASIN-15	BASE	2.00	83.00	84.75	29686	0.00	0.00	0.0	0.0

100YR1HR BASIN 15 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-2	BASE	711.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	711.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	712.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	712.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	712.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	712.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	713.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	713.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	713.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	713.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	714.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	714.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	714.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	714.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	715.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	715.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	715.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	715.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	716.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	716.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	716.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	716.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	717.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	717.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	717.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	717.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	718.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	718.25	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	718.50	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	718.75	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	719.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	719.25	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	719.50	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	719.75	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	720.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	720.25	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	720.50	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	720.75	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	721.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	721.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR1HR	BASIN-3	BASE	0.25	80.00	88.00	105807	1.69	1.22	0.0	0.0
100YR1HR	BASIN-3	BASE	0.50	80.08	88.00	111840	26.46	1.29	0.3	0.0
100YR1HR	BASIN-3	BASE	0.75	80.43	88.00	137544	69.72	1.59	1.3	0.1
100YR1HR	BASIN-3	BASE	1.00	80.85	88.00	168310	68.38	1.95	2.7	0.1
100YR1HR	BASIN-3	BASE	1.25	81.12	88.00	188768	46.10	2.18	3.9	0.1
100YR1HR	BASIN-3	BASE	1.50	81.29	88.00	200929	30.66	2.33	4.7	0.2
100YR1HR	BASIN-3	BASE	1.75	81.39	88.00	208523	21.37	2.41	5.2	0.2
100YR1HR	BASIN-3	BASE	2.00	81.46	88.00	213661	16.29	2.47	5.6	0.3
100YR1HR	BASIN-3	BASE	2.25	81.51	88.00	217324	12.49	2.52	5.9	0.3
100YR1HR	BASIN-3	BASE	2.50	81.54	88.00	219756	8.83	2.54	6.2	0.4
100YR1HR	BASIN-3	BASE	2.75	81.56	88.00	221128	5.50	2.56	6.3	0.5

100YR1HR BASIN 2 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-3	BASE	29.50	80.48	88.00	140942	0.00	1.63	6.5	5.1
100YR1HR	BASIN-3	BASE	29.75	80.47	88.00	140174	0.00	1.62	6.5	5.1
100YR1HR	BASIN-3	BASE	30.00	80.46	88.00	139404	0.00	1.61	6.5	5.2
100YR1HR	BASIN-3	BASE	30.25	80.44	88.00	138635	0.00	1.60	6.5	5.2
100YR1HR	BASIN-3	BASE	30.50	80.43	88.00	137865	0.00	1.60	6.5	5.2
100YR1HR	BASIN-3	BASE	30.75	80.42	88.00	137097	0.00	1.59	6.5	5.3
100YR1HR	BASIN-3	BASE	31.00	80.41	88.00	136327	0.00	1.58	6.5	5.3
100YR1HR	BASIN-3	BASE	31.25	80.40	88.00	135557	0.00	1.57	6.5	5.3
100YR1HR	BASIN-3	BASE	31.50	80.39	88.00	134789	0.00	1.56	6.5	5.4
100YR1HR	BASIN-3	BASE	31.75	80.38	88.00	134019	0.00	1.55	6.5	5.4
100YR1HR	BASIN-3	BASE	32.00	80.37	88.00	133249	0.00	1.54	6.5	5.4
100YR1HR	BASIN-3	BASE	32.25	80.36	88.00	132481	0.00	1.53	6.5	5.5
100YR1HR	BASIN-3	BASE	32.50	80.35	88.00	131711	0.00	1.52	6.5	5.5
100YR1HR	BASIN-3	BASE	32.75	80.34	88.00	130942	0.00	1.52	6.5	5.5
100YR1HR	BASIN-3	BASE	33.00	80.33	88.00	130172	0.00	1.51	6.5	5.6
100YR1HR	BASIN-3	BASE	33.25	80.32	88.00	129404	0.00	1.50	6.5	5.6
100YR1HR	BASIN-3	BASE	33.50	80.31	88.00	128634	0.00	1.49	6.5	5.6
100YR1HR	BASIN-3	BASE	33.75	80.30	88.00	127864	0.00	1.48	6.5	5.7
100YR1HR	BASIN-3	BASE	34.00	80.29	88.00	127096	0.00	1.47	6.5	5.7
100YR1HR	BASIN-3	BASE	34.25	80.28	88.00	126326	0.00	1.46	6.5	5.7
100YR1HR	BASIN-3	BASE	34.50	80.27	88.00	125556	0.00	1.45	6.5	5.7
100YR1HR	BASIN-3	BASE	34.75	80.26	88.00	124788	0.00	1.44	6.5	5.8
100YR1HR	BASIN-3	BASE	35.00	80.25	88.00	124018	0.00	1.44	6.5	5.8
100YR1HR	BASIN-3	BASE	35.25	80.24	88.00	123249	0.00	1.43	6.5	5.8
100YR1HR	BASIN-3	BASE	35.50	80.23	88.00	122479	0.00	1.42	6.5	5.9
100YR1HR	BASIN-3	BASE	35.75	80.22	88.00	121711	0.00	1.41	6.5	5.9
100YR1HR	BASIN-3	BASE	36.00	80.21	88.00	120941	0.00	1.40	6.5	5.9
100YR1HR	BASIN-3	BASE	36.25	80.19	88.00	120171	0.00	1.39	6.5	6.0
100YR1HR	BASIN-3	BASE	36.50	80.18	88.00	119403	0.00	1.38	6.5	6.0
100YR1HR	BASIN-3	BASE	36.75	80.17	88.00	118633	0.00	1.37	6.5	6.0
100YR1HR	BASIN-3	BASE	37.00	80.16	88.00	117863	0.00	1.36	6.5	6.0
100YR1HR	BASIN-3	BASE	37.25	80.15	88.00	117095	0.00	1.36	6.5	6.1
100YR1HR	BASIN-3	BASE	37.50	80.14	88.00	116325	0.00	1.35	6.5	6.1
100YR1HR	BASIN-3	BASE	37.75	80.13	88.00	115556	0.00	1.34	6.5	6.1
100YR1HR	BASIN-3	BASE	38.00	80.12	88.00	114787	0.00	1.33	6.5	6.1
100YR1HR	BASIN-3	BASE	38.25	80.11	88.00	114018	0.00	1.32	6.5	6.2
100YR1HR	BASIN-3	BASE	38.50	80.10	88.00	113248	0.00	1.31	6.5	6.2
100YR1HR	BASIN-3	BASE	38.75	80.09	88.00	112478	0.00	1.30	6.5	6.2
100YR1HR	BASIN-3	BASE	39.00	80.08	88.00	111710	0.00	1.29	6.5	6.3
100YR1HR	BASIN-3	BASE	39.25	80.07	88.00	110940	0.00	1.28	6.5	6.3
100YR1HR	BASIN-3	BASE	39.50	80.06	88.00	110171	0.00	1.28	6.5	6.3
100YR1HR	BASIN-3	BASE	39.75	80.05	88.00	109402	0.00	1.27	6.5	6.3
100YR1HR	BASIN-3	BASE	40.00	80.04	88.00	108633	0.00	1.26	6.5	6.4
100YR1HR	BASIN-3	BASE	40.25	80.03	88.00	107863	0.00	1.25	6.5	6.4
100YR1HR	BASIN-3	BASE	40.50	80.02	88.00	107095	0.00	1.24	6.5	6.4
100YR1HR	BASIN-3	BASE	40.75	80.01	88.00	106325	0.00	1.23	6.5	6.4
100YR1HR	BASIN-3	BASE	41.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	41.25	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	41.50	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	41.75	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	42.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	42.25	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	42.50	80.00	88.00	105790	0.00	0.00	6.5	6.5

100YR1HR BASIN 3 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-3	BASE	718.50	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	718.75	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	719.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	719.25	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	719.50	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	719.75	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	720.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	720.25	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	720.50	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	720.75	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	721.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	721.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-4	BASE	0.00	85.00	87.00	195349	0.00	0.00	0.0	0.0
100YR1HR	BASIN-4	BASE	0.25	85.00	87.00	195349	0.42	0.41	0.0	0.0
100YR1HR	BASIN-4	BASE	0.50	85.01	87.00	195443	6.97	2.26	0.1	0.0
100YR1HR	BASIN-4	BASE	0.75	85.05	87.00	196363	17.55	2.27	0.3	0.1
100YR1HR	BASIN-4	BASE	1.00	85.12	87.00	197544	13.60	2.29	0.7	0.1
100YR1HR	BASIN-4	BASE	1.25	85.16	87.00	198251	8.18	2.29	0.9	0.2
100YR1HR	BASIN-4	BASE	1.50	85.18	87.00	198607	5.17	2.30	1.0	0.2
100YR1HR	BASIN-4	BASE	1.75	85.19	87.00	198782	3.68	2.30	1.1	0.3
100YR1HR	BASIN-4	BASE	2.00	85.19	87.00	198848	2.51	2.30	1.2	0.3
100YR1HR	BASIN-4	BASE	2.25	85.19	87.00	198820	1.45	2.30	1.2	0.4
100YR1HR	BASIN-4	BASE	2.50	85.18	87.00	198717	0.71	2.30	1.2	0.4
100YR1HR	BASIN-4	BASE	2.75	85.17	87.00	198560	0.19	2.30	1.2	0.5
100YR1HR	BASIN-4	BASE	3.00	85.16	87.00	198374	0.01	2.30	1.2	0.5
100YR1HR	BASIN-4	BASE	3.25	85.15	87.00	198181	0.00	2.29	1.2	0.6
100YR1HR	BASIN-4	BASE	3.50	85.14	87.00	197988	0.00	2.29	1.2	0.6
100YR1HR	BASIN-4	BASE	3.75	85.13	87.00	197795	0.00	2.29	1.2	0.6
100YR1HR	BASIN-4	BASE	4.00	85.12	87.00	197602	0.00	2.29	1.2	0.7
100YR1HR	BASIN-4	BASE	4.25	85.11	87.00	197409	0.00	2.28	1.2	0.7
100YR1HR	BASIN-4	BASE	4.50	85.10	87.00	197216	0.00	2.28	1.2	0.8
100YR1HR	BASIN-4	BASE	4.75	85.09	87.00	197023	0.00	2.28	1.2	0.8
100YR1HR	BASIN-4	BASE	5.00	85.08	87.00	196830	0.00	2.28	1.2	0.9
100YR1HR	BASIN-4	BASE	5.25	85.07	87.00	196637	0.00	2.28	1.2	0.9
100YR1HR	BASIN-4	BASE	5.50	85.06	87.00	196444	0.00	2.27	1.2	1.0
100YR1HR	BASIN-4	BASE	5.75	85.05	87.00	196251	0.00	2.27	1.2	1.0
100YR1HR	BASIN-4	BASE	6.00	85.04	87.00	196058	0.00	2.27	1.2	1.1
100YR1HR	BASIN-4	BASE	6.25	85.03	87.00	195865	0.00	2.27	1.2	1.1
100YR1HR	BASIN-4	BASE	6.50	85.02	87.00	195672	0.00	2.26	1.2	1.2
100YR1HR	BASIN-4	BASE	6.75	85.01	87.00	195479	0.00	2.26	1.2	1.2
100YR1HR	BASIN-4	BASE	7.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	7.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	7.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	7.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	8.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	8.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	8.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	8.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	9.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	9.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	9.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	9.75	85.00	87.00	195349	0.00	0.00	1.2	1.2

100YR1HR BASIN 4 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-5	BASE	3.75	87.42	89.00	496500	2.55	5.75	6.3	1.6
100YR1HR	BASIN-5	BASE	4.00	87.42	89.00	496217	1.44	5.74	6.4	1.7
100YR1HR	BASIN-5	BASE	4.25	87.41	89.00	495851	0.42	5.74	6.4	1.8
100YR1HR	BASIN-5	BASE	4.50	87.40	89.00	495430	0.03	5.73	6.4	2.0
100YR1HR	BASIN-5	BASE	4.75	87.39	89.00	494996	0.00	5.73	6.4	2.1
100YR1HR	BASIN-5	BASE	5.00	87.38	89.00	494563	0.00	5.72	6.4	2.2
100YR1HR	BASIN-5	BASE	5.25	87.37	89.00	494128	0.00	5.72	6.4	2.3
100YR1HR	BASIN-5	BASE	5.50	87.35	89.00	493694	0.00	5.71	6.4	2.4
100YR1HR	BASIN-5	BASE	5.75	87.34	89.00	493259	0.00	5.71	6.4	2.6
100YR1HR	BASIN-5	BASE	6.00	87.33	89.00	492825	0.00	5.70	6.4	2.7
100YR1HR	BASIN-5	BASE	6.25	87.32	89.00	492391	0.00	5.70	6.4	2.8
100YR1HR	BASIN-5	BASE	6.50	87.31	89.00	491956	0.00	5.69	6.4	2.9
100YR1HR	BASIN-5	BASE	6.75	87.30	89.00	491523	0.00	5.69	6.4	3.0
100YR1HR	BASIN-5	BASE	7.00	87.29	89.00	491088	0.00	5.68	6.4	3.1
100YR1HR	BASIN-5	BASE	7.25	87.28	89.00	490654	0.00	5.68	6.4	3.3
100YR1HR	BASIN-5	BASE	7.50	87.27	89.00	490220	0.00	5.67	6.4	3.4
100YR1HR	BASIN-5	BASE	7.75	87.26	89.00	489785	0.00	5.67	6.4	3.5
100YR1HR	BASIN-5	BASE	8.00	87.25	89.00	489351	0.00	5.66	6.4	3.6
100YR1HR	BASIN-5	BASE	8.25	87.24	89.00	488916	0.00	5.66	6.4	3.7
100YR1HR	BASIN-5	BASE	8.50	87.23	89.00	488483	0.00	5.65	6.4	3.8
100YR1HR	BASIN-5	BASE	8.75	87.22	89.00	488048	0.00	5.65	6.4	4.0
100YR1HR	BASIN-5	BASE	9.00	87.21	89.00	487614	0.00	5.64	6.4	4.1
100YR1HR	BASIN-5	BASE	9.25	87.20	89.00	487180	0.00	5.64	6.4	4.2
100YR1HR	BASIN-5	BASE	9.50	87.19	89.00	486745	0.00	5.63	6.4	4.3
100YR1HR	BASIN-5	BASE	9.75	87.18	89.00	486311	0.00	5.63	6.4	4.4
100YR1HR	BASIN-5	BASE	10.00	87.17	89.00	485877	0.00	5.62	6.4	4.5
100YR1HR	BASIN-5	BASE	10.25	87.16	89.00	485443	0.00	5.62	6.4	4.7
100YR1HR	BASIN-5	BASE	10.50	87.15	89.00	485008	0.00	5.61	6.4	4.8
100YR1HR	BASIN-5	BASE	10.75	87.14	89.00	484573	0.00	5.61	6.4	4.9
100YR1HR	BASIN-5	BASE	11.00	87.13	89.00	484140	0.00	5.60	6.4	5.0
100YR1HR	BASIN-5	BASE	11.25	87.12	89.00	483705	0.00	5.60	6.4	5.1
100YR1HR	BASIN-5	BASE	11.50	87.10	89.00	483271	0.00	5.59	6.4	5.2
100YR1HR	BASIN-5	BASE	11.75	87.09	89.00	482837	0.00	5.59	6.4	5.4
100YR1HR	BASIN-5	BASE	12.00	87.08	89.00	482402	0.00	5.58	6.4	5.5
100YR1HR	BASIN-5	BASE	12.25	87.07	89.00	481968	0.00	5.58	6.4	5.6
100YR1HR	BASIN-5	BASE	12.50	87.06	89.00	481534	0.00	5.57	6.4	5.7
100YR1HR	BASIN-5	BASE	12.75	87.05	89.00	481100	0.00	5.57	6.4	5.8
100YR1HR	BASIN-5	BASE	13.00	87.04	89.00	480665	0.00	5.56	6.4	5.9
100YR1HR	BASIN-5	BASE	13.25	87.03	89.00	480231	0.00	5.56	6.4	6.0
100YR1HR	BASIN-5	BASE	13.50	87.02	89.00	479797	0.00	5.55	6.4	6.2
100YR1HR	BASIN-5	BASE	13.75	87.01	89.00	479362	0.00	5.55	6.4	6.3
100YR1HR	BASIN-5	BASE	14.00	87.00	89.00	478928	0.00	5.54	6.4	6.4
100YR1HR	BASIN-5	BASE	14.25	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	14.50	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	14.75	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	15.00	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	15.25	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	15.50	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	15.75	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	16.00	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	16.25	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	16.50	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	16.75	87.00	89.00	478907	0.00	0.00	6.4	6.4

100YR1HR BASIN 5 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-5	BASE	719.25	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	719.50	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	719.75	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	720.00	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	720.25	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	720.50	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	720.75	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	721.00	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	721.00	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-6	BASE	0.00	85.00	87.00	383023	0.00	0.00	0.0	0.0
100YR1HR	BASIN-6	BASE	0.25	85.00	87.00	383023	0.76	0.76	0.0	0.0
100YR1HR	BASIN-6	BASE	0.50	85.00	87.00	383102	10.23	4.43	0.1	0.1
100YR1HR	BASIN-6	BASE	0.75	85.03	87.00	383858	21.70	4.44	0.5	0.2
100YR1HR	BASIN-6	BASE	1.00	85.07	87.00	384893	19.30	4.45	0.9	0.2
100YR1HR	BASIN-6	BASE	1.25	85.10	87.00	385572	12.20	4.46	1.2	0.3
100YR1HR	BASIN-6	BASE	1.50	85.11	87.00	385898	7.82	4.47	1.4	0.4
100YR1HR	BASIN-6	BASE	1.75	85.12	87.00	386027	5.52	4.47	1.5	0.5
100YR1HR	BASIN-6	BASE	2.00	85.12	87.00	386044	4.02	4.47	1.6	0.6
100YR1HR	BASIN-6	BASE	2.25	85.11	87.00	385974	2.65	4.47	1.7	0.7
100YR1HR	BASIN-6	BASE	2.50	85.11	87.00	385830	1.53	4.47	1.8	0.8
100YR1HR	BASIN-6	BASE	2.75	85.10	87.00	385625	0.71	4.46	1.8	0.9
100YR1HR	BASIN-6	BASE	3.00	85.09	87.00	385379	0.18	4.46	1.8	1.0
100YR1HR	BASIN-6	BASE	3.25	85.08	87.00	385111	0.01	4.46	1.8	1.1
100YR1HR	BASIN-6	BASE	3.50	85.07	87.00	384840	0.00	4.45	1.8	1.2
100YR1HR	BASIN-6	BASE	3.75	85.06	87.00	384568	0.00	4.45	1.8	1.3
100YR1HR	BASIN-6	BASE	4.00	85.05	87.00	384296	0.00	4.45	1.8	1.4
100YR1HR	BASIN-6	BASE	4.25	85.04	87.00	384024	0.00	4.44	1.8	1.4
100YR1HR	BASIN-6	BASE	4.50	85.03	87.00	383752	0.00	4.44	1.8	1.5
100YR1HR	BASIN-6	BASE	4.75	85.02	87.00	383480	0.00	4.44	1.8	1.6
100YR1HR	BASIN-6	BASE	5.00	85.01	87.00	383209	0.00	4.44	1.8	1.7
100YR1HR	BASIN-6	BASE	5.25	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	5.50	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	5.75	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	6.00	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	6.25	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	6.50	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	6.75	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	7.00	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	7.25	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	7.50	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	7.75	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	8.00	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	8.25	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	8.50	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	8.75	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	9.00	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	9.25	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	9.50	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	9.75	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	10.00	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	10.25	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	10.50	85.00	87.00	383023	0.00	0.00	1.8	1.8

100YR1HR BASIN 6 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-7	BASE	4.50	78.16	80.00	314545	0.00	3.64	2.4	1.3
100YR1HR	BASIN-7	BASE	4.75	78.15	80.00	314313	0.00	3.64	2.4	1.3
100YR1HR	BASIN-7	BASE	5.00	78.14	80.00	314081	0.00	3.64	2.4	1.4
100YR1HR	BASIN-7	BASE	5.25	78.13	80.00	313849	0.00	3.63	2.4	1.5
100YR1HR	BASIN-7	BASE	5.50	78.12	80.00	313616	0.00	3.63	2.4	1.6
100YR1HR	BASIN-7	BASE	5.75	78.11	80.00	313384	0.00	3.63	2.4	1.6
100YR1HR	BASIN-7	BASE	6.00	78.10	80.00	313152	0.00	3.62	2.4	1.7
100YR1HR	BASIN-7	BASE	6.25	78.09	80.00	312920	0.00	3.62	2.4	1.8
100YR1HR	BASIN-7	BASE	6.50	78.08	80.00	312688	0.00	3.62	2.4	1.9
100YR1HR	BASIN-7	BASE	6.75	78.07	80.00	312456	0.00	3.62	2.4	1.9
100YR1HR	BASIN-7	BASE	7.00	78.06	80.00	312223	0.00	3.61	2.4	2.0
100YR1HR	BASIN-7	BASE	7.25	78.05	80.00	311991	0.00	3.61	2.4	2.1
100YR1HR	BASIN-7	BASE	7.50	78.04	80.00	311759	0.00	3.61	2.4	2.2
100YR1HR	BASIN-7	BASE	7.75	78.02	80.00	311527	0.00	3.61	2.4	2.2
100YR1HR	BASIN-7	BASE	8.00	78.01	80.00	311295	0.00	3.60	2.4	2.3
100YR1HR	BASIN-7	BASE	8.25	78.00	80.00	311062	0.00	3.60	2.4	2.4
100YR1HR	BASIN-7	BASE	8.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	8.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	9.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	9.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	9.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	9.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	10.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	10.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	10.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	10.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	11.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	11.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	11.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	11.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	12.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	12.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	12.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	12.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	13.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	13.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	13.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	13.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	14.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	14.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	14.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	14.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	15.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	15.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	15.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	15.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	16.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	16.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	16.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	16.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	17.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	17.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	17.50	78.00	80.00	310970	0.00	0.00	2.4	2.4

100YR1HR BASIN 7 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-7	BASE	720.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	720.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	720.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	720.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	721.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	721.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-8	BASE	0.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
100YR1HR	BASIN-8	BASE	0.25	86.00	87.00	26704	0.20	0.20	0.0	0.0
100YR1HR	BASIN-8	BASE	0.50	86.01	87.00	27032	2.03	1.30	0.0	0.0
100YR1HR	BASIN-8	BASE	0.75	86.04	87.00	28134	3.26	2.39	0.1	0.1
100YR1HR	BASIN-8	BASE	1.00	86.05	87.00	28464	2.30	2.62	0.1	0.1
100YR1HR	BASIN-8	BASE	1.25	86.03	87.00	27714	1.27	2.06	0.2	0.2
100YR1HR	BASIN-8	BASE	1.50	86.01	87.00	26968	0.78	1.20	0.2	0.2
100YR1HR	BASIN-8	BASE	1.75	86.00	87.00	26716	0.45	0.50	0.2	0.2
100YR1HR	BASIN-8	BASE	2.00	86.00	87.00	26706	0.20	0.20	0.2	0.2
100YR1HR	BASIN-8	BASE	2.25	86.00	87.00	26704	0.05	0.06	0.2	0.2
100YR1HR	BASIN-8	BASE	2.50	86.00	87.00	115	0.01	-0.61	0.2	0.2
100YR1HR	BASIN-8	BASE	2.75	86.00	87.00	115	0.00	-0.62	0.2	0.2
100YR1HR	BASIN-8	BASE	3.00	86.00	87.00	115	0.00	-0.62	0.2	0.2
100YR1HR	BASIN-8	BASE	3.25	86.00	87.00	115	0.00	-0.62	0.2	0.2
100YR1HR	BASIN-8	BASE	3.50	86.00	87.00	115	0.00	-0.62	0.2	0.2
100YR1HR	BASIN-8	BASE	3.75	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	4.00	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	4.25	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	4.50	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	4.75	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	5.00	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	5.25	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	5.50	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	5.75	86.00	87.00	115	0.00	-0.62	0.2	0.0
100YR1HR	BASIN-8	BASE	6.00	86.00	87.00	115	0.00	-0.62	0.2	0.0
100YR1HR	BASIN-8	BASE	6.25	86.00	87.00	115	0.00	-0.62	0.2	0.0
100YR1HR	BASIN-8	BASE	6.50	86.00	87.00	115	0.00	-0.62	0.2	0.0
100YR1HR	BASIN-8	BASE	6.75	86.00	87.00	115	0.00	-0.62	0.2	-0.0
100YR1HR	BASIN-8	BASE	7.00	86.00	87.00	115	0.00	-0.62	0.2	-0.0
100YR1HR	BASIN-8	BASE	7.25	86.00	87.00	115	0.00	-0.62	0.2	-0.0
100YR1HR	BASIN-8	BASE	7.50	86.00	87.00	115	0.00	-0.62	0.2	-0.0
100YR1HR	BASIN-8	BASE	7.75	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	8.00	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	8.25	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	8.50	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	8.75	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	9.00	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	9.25	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	9.50	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	9.75	86.00	87.00	115	0.00	-0.62	0.2	-0.2
100YR1HR	BASIN-8	BASE	10.00	86.00	87.00	115	0.00	-0.62	0.2	-0.2
100YR1HR	BASIN-8	BASE	10.25	86.00	87.00	115	0.00	-0.62	0.2	-0.2
100YR1HR	BASIN-8	BASE	10.50	86.00	87.00	115	0.00	-0.62	0.2	-0.2
100YR1HR	BASIN-8	BASE	10.75	86.00	87.00	115	0.00	-0.62	0.2	-0.2
100YR1HR	BASIN-8	BASE	11.00	86.00	87.00	115	0.00	-0.62	0.2	-0.2
100YR1HR	BASIN-8	BASE	11.25	86.00	87.00	115	0.00	-0.62	0.2	-0.2

100YR1HR BASIN 8 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-9	BASE	5.25	77.04	79.75	152546	0.00	1.77	0.9	0.7
100YR1HR	BASIN-9	BASE	5.50	77.03	79.75	152389	0.00	1.76	0.9	0.8
100YR1HR	BASIN-9	BASE	5.75	77.02	79.75	152233	0.00	1.76	0.9	0.8
100YR1HR	BASIN-9	BASE	6.00	77.00	79.75	152077	0.00	1.76	0.9	0.8
100YR1HR	BASIN-9	BASE	6.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	6.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	6.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	7.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	7.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	7.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	7.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	8.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	8.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	8.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	8.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	9.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	9.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	9.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	9.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	10.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	10.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	10.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	10.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	11.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	11.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	11.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	11.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	12.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	12.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	12.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	12.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	13.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	13.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	13.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	13.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	14.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	14.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	14.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	14.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	15.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	15.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	15.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	15.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	16.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	16.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	16.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	16.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	17.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	17.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	17.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	17.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	18.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	18.25	77.00	79.75	152007	0.00	0.00	0.9	0.9

100YR1HR BASIN 9 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-1	BASE	52.67	84.12	86.00	5968	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	52.75	84.11	86.00	5933	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	52.83	84.11	86.00	5899	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	52.92	84.11	86.00	5865	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.00	84.10	86.00	5831	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.08	84.10	86.00	5797	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.17	84.09	86.00	5762	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.25	84.09	86.00	5728	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.33	84.09	86.00	5694	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.42	84.08	86.00	5660	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.50	84.08	86.00	5626	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.58	84.08	86.00	5592	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	53.67	84.07	86.00	5557	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	53.75	84.07	86.00	5523	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	53.83	84.07	86.00	5489	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	53.92	84.06	86.00	5455	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.00	84.06	86.00	5421	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.08	84.06	86.00	5387	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.17	84.05	86.00	5353	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.25	84.05	86.00	5318	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.33	84.05	86.00	5284	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.42	84.04	86.00	5250	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.50	84.04	86.00	5216	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.58	84.04	86.00	5182	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.67	84.03	86.00	5147	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.75	84.03	86.00	5113	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.83	84.03	86.00	5079	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.92	84.02	86.00	5045	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.00	84.02	86.00	5011	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.08	84.01	86.00	4977	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.17	84.01	86.00	4943	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.25	84.01	86.00	4908	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.33	84.00	86.00	4874	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.42	84.00	86.00	4840	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.50	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	55.58	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	55.67	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	55.75	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	55.83	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	55.92	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.00	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.08	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.17	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.25	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.33	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.42	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.50	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.58	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.67	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.75	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.83	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.92	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	57.00	84.00	86.00	4831	0.00	0.00	0.6	0.6

100YR24HR BASIN-1 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-10	BASE	116.83	72.07	79.00	12297	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	116.92	72.07	79.00	12205	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	117.00	72.06	79.00	12113	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	117.08	72.06	79.00	12021	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	117.17	72.06	79.00	11930	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	117.25	72.05	79.00	11838	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	117.33	72.05	79.00	11746	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	117.42	72.05	79.00	11654	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	117.50	72.04	79.00	11562	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	117.58	72.04	79.00	11470	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	117.67	72.04	79.00	11379	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	117.75	72.03	79.00	11287	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	117.83	72.03	79.00	11195	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	117.92	72.03	79.00	11103	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	118.00	72.02	79.00	11011	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	118.08	72.02	79.00	10919	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	118.17	72.02	79.00	10827	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	118.25	72.01	79.00	10735	0.00	0.12	11.9	11.9
100YR24HR	BASIN-10	BASE	118.33	72.01	79.00	10643	0.00	0.12	11.9	11.9
100YR24HR	BASIN-10	BASE	118.42	72.01	79.00	10551	0.00	0.12	11.9	11.9
100YR24HR	BASIN-10	BASE	118.50	72.00	79.00	10460	0.00	0.12	11.9	11.9
100YR24HR	BASIN-10	BASE	118.58	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	118.67	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	118.75	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	118.83	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	118.92	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.00	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.08	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.17	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.25	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.33	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.42	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.50	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.58	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.67	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.75	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.83	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.92	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.00	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.08	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.17	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.25	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.33	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.42	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.50	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.58	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.67	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.75	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.83	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.92	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	121.00	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	121.08	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	121.17	72.00	79.00	10411	0.00	0.00	11.9	11.9

100YR24HR BASIN 10 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-11	BASE	66.17	81.03	84.00	2219	0.00	0.03	0.4	0.4
100YR24HR	BASIN-11	BASE	66.25	81.02	84.00	2197	0.00	0.03	0.4	0.4
100YR24HR	BASIN-11	BASE	66.33	81.02	84.00	2175	0.00	0.03	0.4	0.4
100YR24HR	BASIN-11	BASE	66.42	81.02	84.00	2153	0.00	0.02	0.4	0.4
100YR24HR	BASIN-11	BASE	66.50	81.01	84.00	2132	0.00	0.02	0.4	0.4
100YR24HR	BASIN-11	BASE	66.58	81.01	84.00	2110	0.00	0.02	0.4	0.4
100YR24HR	BASIN-11	BASE	66.67	81.01	84.00	2088	0.00	0.02	0.4	0.4
100YR24HR	BASIN-11	BASE	66.75	81.00	84.00	2066	0.00	0.02	0.4	0.4
100YR24HR	BASIN-11	BASE	66.83	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	66.92	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.00	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.08	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.17	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.25	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.33	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.42	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.50	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.58	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.67	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.75	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.83	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.92	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.00	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.08	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.17	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.25	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.33	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.42	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.50	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.58	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.67	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.75	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.83	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.92	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.00	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.08	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.17	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.25	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.33	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.42	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.50	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.58	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.67	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.75	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.83	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.92	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.00	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.08	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.17	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.25	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.33	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.42	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.50	81.00	84.00	2056	0.00	0.00	0.4	0.4

100YR24HR BASIN 11 POST RECOVERY

100YR24HR BASIN 12 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-12	BASE	46.42	82.01	84.00	15652	0.00	0.18	2.3	2.3
100YR24HR	BASIN-12	BASE	46.50	82.00	84.00	15404	0.00	0.18	2.3	2.3
100YR24HR	BASIN-12	BASE	46.58	82.00	84.00	15156	0.00	0.18	2.3	2.3
100YR24HR	BASIN-12	BASE	46.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	46.75	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	46.83	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	46.92	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.00	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.08	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.17	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.25	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.33	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.42	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.50	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.58	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.75	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.83	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.92	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.00	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.08	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.17	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.25	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.33	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.42	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.50	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.58	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.75	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.83	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.92	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.00	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.08	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.17	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.25	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.33	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.42	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.50	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.58	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.75	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.83	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.92	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.00	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.08	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.17	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.25	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.33	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.42	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.50	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.58	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.75	82.00	84.00	15050	0.00	0.00	2.3	2.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-13	BASE	238.67	80.03	89.00	641	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	238.75	80.03	89.00	640	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	238.83	80.03	89.00	638	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	238.92	80.02	89.00	637	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.00	80.02	89.00	635	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.08	80.02	89.00	634	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.17	80.01	89.00	632	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.25	80.01	89.00	631	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.33	80.01	89.00	629	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.42	80.00	89.00	628	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.50	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	239.58	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	239.67	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	239.75	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	239.83	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	239.92	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.00	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.08	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.17	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.25	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.33	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.42	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.50	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.58	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.67	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.75	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.83	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.92	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.00	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.08	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.17	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.25	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.33	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.42	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.50	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.58	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.67	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.75	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.83	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.92	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.00	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.08	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.17	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.25	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.33	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.42	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.50	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.58	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.67	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.75	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.83	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.92	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	243.00	80.00	89.00	627	0.00	0.00	1.5	1.5

100YR24HR BASIN 13 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-14	BASE	90.83	75.09	84.00	239	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	90.92	75.08	84.00	234	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.00	75.08	84.00	228	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.08	75.07	84.00	223	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.17	75.07	84.00	218	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.25	75.07	84.00	212	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.33	75.06	84.00	207	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.42	75.06	84.00	202	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.50	75.06	84.00	196	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.58	75.05	84.00	191	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.67	75.05	84.00	186	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.75	75.05	84.00	181	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.83	75.04	84.00	175	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.92	75.04	84.00	170	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.00	75.04	84.00	165	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.08	75.03	84.00	159	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.17	75.03	84.00	154	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.25	75.03	84.00	149	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.33	75.02	84.00	143	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.42	75.02	84.00	138	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.50	75.02	84.00	133	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.58	75.01	84.00	127	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.67	75.01	84.00	122	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.75	75.01	84.00	117	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.17	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.25	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.33	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.42	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.50	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.58	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.67	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.75	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.17	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.25	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.33	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.42	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.50	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.58	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.67	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.75	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	95.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	95.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	95.17	75.00	84.00	113	0.00	0.00	0.3	0.3

100YR24HR BASIN 14 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-15	BASE	49.00	83.07	84.75	4977	0.00	0.06	1.0	1.0
100YR24HR	BASIN-15	BASE	49.08	83.07	84.75	4794	0.00	0.06	1.0	1.0
100YR24HR	BASIN-15	BASE	49.17	83.06	84.75	4611	0.00	0.05	1.0	1.0
100YR24HR	BASIN-15	BASE	49.25	83.06	84.75	4429	0.00	0.05	1.0	1.0
100YR24HR	BASIN-15	BASE	49.33	83.05	84.75	4246	0.00	0.05	1.0	1.0
100YR24HR	BASIN-15	BASE	49.42	83.05	84.75	4063	0.00	0.05	1.0	1.0
100YR24HR	BASIN-15	BASE	49.50	83.05	84.75	3880	0.00	0.04	1.0	1.0
100YR24HR	BASIN-15	BASE	49.58	83.04	84.75	3697	0.00	0.04	1.0	1.0
100YR24HR	BASIN-15	BASE	49.67	83.04	84.75	3513	0.00	0.04	1.0	1.0
100YR24HR	BASIN-15	BASE	49.75	83.04	84.75	3330	0.00	0.04	1.0	1.0
100YR24HR	BASIN-15	BASE	49.83	83.03	84.75	3147	0.00	0.04	1.0	1.0
100YR24HR	BASIN-15	BASE	49.92	83.03	84.75	2964	0.00	0.03	1.0	1.0
100YR24HR	BASIN-15	BASE	50.00	83.03	84.75	2781	0.00	0.03	1.0	1.0
100YR24HR	BASIN-15	BASE	50.08	83.02	84.75	2599	0.00	0.03	1.0	1.0
100YR24HR	BASIN-15	BASE	50.17	83.02	84.75	2416	0.00	0.03	1.0	1.0
100YR24HR	BASIN-15	BASE	50.25	83.02	84.75	2233	0.00	0.03	1.0	1.0
100YR24HR	BASIN-15	BASE	50.33	83.01	84.75	2050	0.00	0.02	1.0	1.0
100YR24HR	BASIN-15	BASE	50.42	83.01	84.75	1866	0.00	0.02	1.0	1.0
100YR24HR	BASIN-15	BASE	50.50	83.01	84.75	1683	0.00	0.02	1.0	1.0
100YR24HR	BASIN-15	BASE	50.58	83.00	84.75	1500	0.00	0.02	1.0	1.0
100YR24HR	BASIN-15	BASE	50.67	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	50.75	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	50.83	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	50.92	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.00	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.08	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.17	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.25	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.33	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.42	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.50	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.58	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.67	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.75	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.83	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.92	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.00	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.08	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.17	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.25	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.33	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.42	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.50	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.58	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.67	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.75	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.83	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.92	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	53.00	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	53.08	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	53.17	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	53.25	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	53.33	83.00	84.75	1350	0.00	0.00	1.0	1.0

100YR24HR BASIN 15 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-2	BASE	733.25	50.31	84.25	3309	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	733.50	50.31	84.25	3309	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	733.75	50.31	84.25	3309	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	734.00	50.31	84.25	3309	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	734.25	50.31	84.25	3309	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	734.50	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	734.75	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	735.00	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	735.25	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	735.50	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	735.75	50.31	84.25	3307	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	736.00	50.31	84.25	3307	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	736.25	50.30	84.25	3307	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	736.50	50.30	84.25	3307	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	736.75	50.30	84.25	3307	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	737.00	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	737.25	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	737.50	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	737.75	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	738.00	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	738.25	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	738.50	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	738.75	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	739.00	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	739.25	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	739.50	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	739.75	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	740.00	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	740.25	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	740.50	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	740.75	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	741.00	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	741.25	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	741.50	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	741.75	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	742.00	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	742.25	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	742.50	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	742.75	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	743.00	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	743.25	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	743.50	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	743.75	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	744.00	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR24HR	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.08	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.17	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.25	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.33	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.42	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.50	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.58	80.00	88.00	105790	0.00	0.00	0.0	0.0

100YR24HR BASIN 2 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-3	BASE	102.25	80.01	88.00	106784	0.00	1.24	22.0	22.0
100YR24HR	BASIN-3	BASE	102.33	80.01	88.00	106527	0.00	1.23	22.0	22.0
100YR24HR	BASIN-3	BASE	102.42	80.01	88.00	106271	0.00	1.23	22.0	22.0
100YR24HR	BASIN-3	BASE	102.50	80.00	88.00	106014	0.00	1.23	22.0	22.0
100YR24HR	BASIN-3	BASE	102.58	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	102.67	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	102.75	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	102.83	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	102.92	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.00	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.08	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.17	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.25	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.33	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.42	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.50	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.58	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.67	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.75	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.83	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.92	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.00	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.08	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.17	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.25	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.33	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.42	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.50	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.58	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.67	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.75	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.83	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.92	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.00	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.08	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.17	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.25	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.33	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.42	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.50	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.58	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.67	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.75	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.83	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.92	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.00	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.08	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.17	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.25	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.33	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.42	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.50	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.58	80.00	88.00	105790	0.00	0.00	22.0	22.0

100YR24HR BASIN 3 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-4	BASE	29.50	85.17	87.00	198554	0.00	2.30	4.6	3.8
100YR24HR	BASIN-4	BASE	29.58	85.17	87.00	198489	0.00	2.30	4.6	3.9
100YR24HR	BASIN-4	BASE	29.67	85.17	87.00	198425	0.00	2.30	4.6	3.9
100YR24HR	BASIN-4	BASE	29.75	85.16	87.00	198361	0.00	2.30	4.6	3.9
100YR24HR	BASIN-4	BASE	29.83	85.16	87.00	198296	0.00	2.30	4.6	3.9
100YR24HR	BASIN-4	BASE	29.92	85.16	87.00	198232	0.00	2.29	4.6	3.9
100YR24HR	BASIN-4	BASE	30.00	85.15	87.00	198168	0.00	2.29	4.6	3.9
100YR24HR	BASIN-4	BASE	30.08	85.15	87.00	198103	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.17	85.15	87.00	198039	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.25	85.14	87.00	197975	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.33	85.14	87.00	197911	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.42	85.13	87.00	197846	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.50	85.13	87.00	197782	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.58	85.13	87.00	197717	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.67	85.12	87.00	197653	0.00	2.29	4.6	4.1
100YR24HR	BASIN-4	BASE	30.75	85.12	87.00	197589	0.00	2.29	4.6	4.1
100YR24HR	BASIN-4	BASE	30.83	85.12	87.00	197524	0.00	2.29	4.6	4.1
100YR24HR	BASIN-4	BASE	30.92	85.11	87.00	197460	0.00	2.29	4.6	4.1
100YR24HR	BASIN-4	BASE	31.00	85.11	87.00	197396	0.00	2.28	4.6	4.1
100YR24HR	BASIN-4	BASE	31.08	85.11	87.00	197332	0.00	2.28	4.6	4.1
100YR24HR	BASIN-4	BASE	31.17	85.10	87.00	197267	0.00	2.28	4.6	4.2
100YR24HR	BASIN-4	BASE	31.25	85.10	87.00	197203	0.00	2.28	4.6	4.2
100YR24HR	BASIN-4	BASE	31.33	85.10	87.00	197139	0.00	2.28	4.6	4.2
100YR24HR	BASIN-4	BASE	31.42	85.09	87.00	197074	0.00	2.28	4.6	4.2
100YR24HR	BASIN-4	BASE	31.50	85.09	87.00	197010	0.00	2.28	4.6	4.2
100YR24HR	BASIN-4	BASE	31.58	85.09	87.00	196945	0.00	2.28	4.6	4.2
100YR24HR	BASIN-4	BASE	31.67	85.08	87.00	196881	0.00	2.28	4.6	4.3
100YR24HR	BASIN-4	BASE	31.75	85.08	87.00	196817	0.00	2.28	4.6	4.3
100YR24HR	BASIN-4	BASE	31.83	85.08	87.00	196752	0.00	2.28	4.6	4.3
100YR24HR	BASIN-4	BASE	31.92	85.07	87.00	196688	0.00	2.28	4.6	4.3
100YR24HR	BASIN-4	BASE	32.00	85.07	87.00	196624	0.00	2.28	4.6	4.3
100YR24HR	BASIN-4	BASE	32.08	85.07	87.00	196560	0.00	2.27	4.6	4.3
100YR24HR	BASIN-4	BASE	32.17	85.06	87.00	196495	0.00	2.27	4.6	4.3
100YR24HR	BASIN-4	BASE	32.25	85.06	87.00	196431	0.00	2.27	4.6	4.4
100YR24HR	BASIN-4	BASE	32.33	85.05	87.00	196367	0.00	2.27	4.6	4.4
100YR24HR	BASIN-4	BASE	32.42	85.05	87.00	196302	0.00	2.27	4.6	4.4
100YR24HR	BASIN-4	BASE	32.50	85.05	87.00	196238	0.00	2.27	4.6	4.4
100YR24HR	BASIN-4	BASE	32.58	85.04	87.00	196173	0.00	2.27	4.6	4.4
100YR24HR	BASIN-4	BASE	32.67	85.04	87.00	196109	0.00	2.27	4.6	4.4
100YR24HR	BASIN-4	BASE	32.75	85.04	87.00	196045	0.00	2.27	4.6	4.5
100YR24HR	BASIN-4	BASE	32.83	85.03	87.00	195981	0.00	2.27	4.6	4.5
100YR24HR	BASIN-4	BASE	32.92	85.03	87.00	195916	0.00	2.27	4.6	4.5
100YR24HR	BASIN-4	BASE	33.00	85.03	87.00	195852	0.00	2.27	4.6	4.5
100YR24HR	BASIN-4	BASE	33.08	85.02	87.00	195788	0.00	2.27	4.6	4.5
100YR24HR	BASIN-4	BASE	33.17	85.02	87.00	195723	0.00	2.27	4.6	4.5
100YR24HR	BASIN-4	BASE	33.25	85.02	87.00	195659	0.00	2.26	4.6	4.6
100YR24HR	BASIN-4	BASE	33.33	85.01	87.00	195595	0.00	2.26	4.6	4.6
100YR24HR	BASIN-4	BASE	33.42	85.01	87.00	195530	0.00	2.26	4.6	4.6
100YR24HR	BASIN-4	BASE	33.50	85.01	87.00	195466	0.00	2.26	4.6	4.6
100YR24HR	BASIN-4	BASE	33.58	85.00	87.00	195402	0.00	2.26	4.6	4.6
100YR24HR	BASIN-4	BASE	33.67	85.00	87.00	195349	0.00	0.00	4.6	4.6
100YR24HR	BASIN-4	BASE	33.75	85.00	87.00	195349	0.00	0.00	4.6	4.6
100YR24HR	BASIN-4	BASE	33.83	85.00	87.00	195349	0.00	0.00	4.6	4.6

100YR24HR BASIN 4 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-5	BASE	23.00	87.99	89.00	520216	9.27	6.02	20.8	9.4
100YR24HR	BASIN-5	BASE	23.08	87.99	89.00	520289	8.98	6.02	20.8	9.5
100YR24HR	BASIN-5	BASE	23.17	87.99	89.00	520359	8.70	6.02	20.9	9.5
100YR24HR	BASIN-5	BASE	23.25	88.00	89.00	520420	8.46	6.02	21.0	9.5
100YR24HR	BASIN-5	BASE	23.34	88.00	89.00	520476	8.22	6.02	21.0	9.6
100YR24HR	BASIN-5	BASE	23.42	88.00	89.00	520525	8.02	6.02	21.1	9.6
100YR24HR	BASIN-5	BASE	23.50	88.00	89.00	520572	7.83	6.03	21.1	9.7
100YR24HR	BASIN-5	BASE	23.58	88.00	89.00	520616	7.66	6.03	21.2	9.7
100YR24HR	BASIN-5	BASE	23.67	88.00	89.00	520665	7.50	6.03	21.2	9.7
100YR24HR	BASIN-5	BASE	23.75	88.00	89.00	520707	7.36	6.03	21.3	9.8
100YR24HR	BASIN-5	BASE	23.84	88.00	89.00	520747	7.23	6.03	21.3	9.8
100YR24HR	BASIN-5	BASE	23.92	88.00	89.00	520782	7.11	6.03	21.4	9.9
100YR24HR	BASIN-5	BASE	24.00	88.00	89.00	520814	6.99	6.03	21.4	9.9
100YR24HR	BASIN-5	BASE	24.08	88.00	89.00	520841	6.85	6.03	21.5	10.0
100YR24HR	BASIN-5	BASE	24.17	88.00	89.00	520863	6.63	6.03	21.5	10.0
100YR24HR	BASIN-5	BASE	24.26	88.01	89.00	520877	6.29	6.03	21.6	10.0
100YR24HR	BASIN-5	BASE	24.34	88.01	89.00	520878	5.82	6.03	21.6	10.1
100YR24HR	BASIN-5	BASE	24.42	88.00	89.00	520864	5.29	6.03	21.7	10.1
100YR24HR	BASIN-5	BASE	24.51	88.00	89.00	520833	4.76	6.03	21.7	10.2
100YR24HR	BASIN-5	BASE	24.59	88.00	89.00	520786	4.26	6.03	21.7	10.2
100YR24HR	BASIN-5	BASE	24.67	88.00	89.00	520724	3.81	6.03	21.7	10.2
100YR24HR	BASIN-5	BASE	24.76	88.00	89.00	520650	3.42	6.03	21.8	10.3
100YR24HR	BASIN-5	BASE	24.84	88.00	89.00	520572	3.08	6.03	21.8	10.3
100YR24HR	BASIN-5	BASE	24.92	88.00	89.00	520497	2.78	6.02	21.8	10.4
100YR24HR	BASIN-5	BASE	25.01	88.00	89.00	520416	2.51	6.02	21.8	10.4
100YR24HR	BASIN-5	BASE	25.09	87.99	89.00	520329	2.27	6.02	21.9	10.5
100YR24HR	BASIN-5	BASE	25.17	87.99	89.00	520236	2.06	6.02	21.9	10.5
100YR24HR	BASIN-5	BASE	25.25	87.99	89.00	520146	1.87	6.02	21.9	10.5
100YR24HR	BASIN-5	BASE	25.33	87.99	89.00	520044	1.70	6.02	21.9	10.6
100YR24HR	BASIN-5	BASE	25.42	87.98	89.00	519938	1.53	6.02	21.9	10.6
100YR24HR	BASIN-5	BASE	25.50	87.98	89.00	519828	1.39	6.02	21.9	10.7
100YR24HR	BASIN-5	BASE	25.58	87.98	89.00	519715	1.26	6.02	21.9	10.7
100YR24HR	BASIN-5	BASE	25.67	87.98	89.00	519599	1.15	6.01	21.9	10.7
100YR24HR	BASIN-5	BASE	25.75	87.97	89.00	519481	1.04	6.01	21.9	10.8
100YR24HR	BASIN-5	BASE	25.83	87.97	89.00	519360	0.95	6.01	21.9	10.8
100YR24HR	BASIN-5	BASE	25.92	87.97	89.00	519237	0.86	6.01	21.9	10.9
100YR24HR	BASIN-5	BASE	26.00	87.96	89.00	519112	0.77	6.01	22.0	10.9
100YR24HR	BASIN-5	BASE	26.08	87.96	89.00	518985	0.69	6.01	22.0	10.9
100YR24HR	BASIN-5	BASE	26.17	87.96	89.00	518857	0.62	6.01	22.0	11.0
100YR24HR	BASIN-5	BASE	26.25	87.96	89.00	518726	0.55	6.00	22.0	11.0
100YR24HR	BASIN-5	BASE	26.33	87.95	89.00	518593	0.48	6.00	22.0	11.1
100YR24HR	BASIN-5	BASE	26.42	87.95	89.00	518460	0.42	6.00	22.0	11.1
100YR24HR	BASIN-5	BASE	26.50	87.95	89.00	518324	0.37	6.00	22.0	11.2
100YR24HR	BASIN-5	BASE	26.58	87.94	89.00	518188	0.31	6.00	22.0	11.2
100YR24HR	BASIN-5	BASE	26.67	87.94	89.00	518050	0.27	6.00	22.0	11.2
100YR24HR	BASIN-5	BASE	26.75	87.94	89.00	517911	0.23	5.99	22.0	11.3
100YR24HR	BASIN-5	BASE	26.83	87.93	89.00	517771	0.19	5.99	22.0	11.3
100YR24HR	BASIN-5	BASE	26.92	87.93	89.00	517631	0.16	5.99	22.0	11.4
100YR24HR	BASIN-5	BASE	27.00	87.93	89.00	517490	0.13	5.99	22.0	11.4
100YR24HR	BASIN-5	BASE	27.08	87.92	89.00	517348	0.10	5.99	22.0	11.4
100YR24HR	BASIN-5	BASE	27.17	87.92	89.00	517205	0.08	5.99	22.0	11.5
100YR24HR	BASIN-5	BASE	27.25	87.92	89.00	517062	0.06	5.98	22.0	11.5
100YR24HR	BASIN-5	BASE	27.33	87.91	89.00	516919	0.05	5.98	22.0	11.6

100YR24HR BASIN 5 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-6	BASE	25.33	85.06	87.00	384535	0.28	4.45	7.1	6.6
100YR24HR	BASIN-6	BASE	25.42	85.05	87.00	384450	0.24	4.45	7.1	6.7
100YR24HR	BASIN-6	BASE	25.50	85.05	87.00	384363	0.20	4.45	7.1	6.7
100YR24HR	BASIN-6	BASE	25.58	85.05	87.00	384277	0.16	4.45	7.1	6.7
100YR24HR	BASIN-6	BASE	25.67	85.04	87.00	384189	0.13	4.45	7.2	6.8
100YR24HR	BASIN-6	BASE	25.75	85.04	87.00	384101	0.10	4.45	7.2	6.8
100YR24HR	BASIN-6	BASE	25.83	85.04	87.00	384012	0.08	4.44	7.2	6.8
100YR24HR	BASIN-6	BASE	25.92	85.03	87.00	383923	0.06	4.44	7.2	6.9
100YR24HR	BASIN-6	BASE	26.00	85.03	87.00	383833	0.04	4.44	7.2	6.9
100YR24HR	BASIN-6	BASE	26.08	85.03	87.00	383743	0.03	4.44	7.2	6.9
100YR24HR	BASIN-6	BASE	26.17	85.02	87.00	383653	0.02	4.44	7.2	6.9
100YR24HR	BASIN-6	BASE	26.25	85.02	87.00	383563	0.01	4.44	7.2	7.0
100YR24HR	BASIN-6	BASE	26.33	85.02	87.00	383473	0.01	4.44	7.2	7.0
100YR24HR	BASIN-6	BASE	26.42	85.01	87.00	383382	0.00	4.44	7.2	7.0
100YR24HR	BASIN-6	BASE	26.50	85.01	87.00	383291	0.00	4.44	7.2	7.1
100YR24HR	BASIN-6	BASE	26.58	85.01	87.00	383201	0.00	4.44	7.2	7.1
100YR24HR	BASIN-6	BASE	26.67	85.00	87.00	383110	0.00	4.43	7.2	7.1
100YR24HR	BASIN-6	BASE	26.75	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	26.83	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	26.92	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.00	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.08	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.17	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.25	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.33	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.42	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.50	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.58	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.67	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.75	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.83	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.92	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.00	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.08	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.17	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.25	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.33	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.42	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.50	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.58	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.67	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.75	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.83	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.92	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.00	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.08	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.17	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.25	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.33	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.42	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.50	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.58	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.67	85.00	87.00	383023	0.00	0.00	7.2	7.1

100YR24HR BASIN 6 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-7	BASE	32.08	78.17	80.00	314711	0.00	3.64	9.7	8.5
100YR24HR	BASIN-7	BASE	32.17	78.16	80.00	314634	0.00	3.64	9.7	8.5
100YR24HR	BASIN-7	BASE	32.25	78.16	80.00	314556	0.00	3.64	9.7	8.5
100YR24HR	BASIN-7	BASE	32.33	78.16	80.00	314479	0.00	3.64	9.7	8.5
100YR24HR	BASIN-7	BASE	32.42	78.15	80.00	314401	0.00	3.64	9.7	8.6
100YR24HR	BASIN-7	BASE	32.50	78.15	80.00	314324	0.00	3.64	9.7	8.6
100YR24HR	BASIN-7	BASE	32.58	78.15	80.00	314246	0.00	3.64	9.7	8.6
100YR24HR	BASIN-7	BASE	32.67	78.14	80.00	314169	0.00	3.64	9.7	8.7
100YR24HR	BASIN-7	BASE	32.75	78.14	80.00	314092	0.00	3.64	9.7	8.7
100YR24HR	BASIN-7	BASE	32.83	78.14	80.00	314014	0.00	3.63	9.7	8.7
100YR24HR	BASIN-7	BASE	32.92	78.13	80.00	313937	0.00	3.63	9.7	8.7
100YR24HR	BASIN-7	BASE	33.00	78.13	80.00	313860	0.00	3.63	9.7	8.8
100YR24HR	BASIN-7	BASE	33.08	78.13	80.00	313782	0.00	3.63	9.7	8.8
100YR24HR	BASIN-7	BASE	33.17	78.12	80.00	313705	0.00	3.63	9.7	8.8
100YR24HR	BASIN-7	BASE	33.25	78.12	80.00	313627	0.00	3.63	9.7	8.8
100YR24HR	BASIN-7	BASE	33.33	78.12	80.00	313550	0.00	3.63	9.7	8.9
100YR24HR	BASIN-7	BASE	33.42	78.11	80.00	313472	0.00	3.63	9.7	8.9
100YR24HR	BASIN-7	BASE	33.50	78.11	80.00	313395	0.00	3.63	9.7	8.9
100YR24HR	BASIN-7	BASE	33.58	78.11	80.00	313318	0.00	3.63	9.7	8.9
100YR24HR	BASIN-7	BASE	33.67	78.10	80.00	313241	0.00	3.63	9.7	9.0
100YR24HR	BASIN-7	BASE	33.75	78.10	80.00	313163	0.00	3.62	9.7	9.0
100YR24HR	BASIN-7	BASE	33.83	78.09	80.00	313086	0.00	3.62	9.7	9.0
100YR24HR	BASIN-7	BASE	33.92	78.09	80.00	313008	0.00	3.62	9.7	9.0
100YR24HR	BASIN-7	BASE	34.00	78.09	80.00	312931	0.00	3.62	9.7	9.1
100YR24HR	BASIN-7	BASE	34.08	78.08	80.00	312853	0.00	3.62	9.7	9.1
100YR24HR	BASIN-7	BASE	34.17	78.08	80.00	312776	0.00	3.62	9.7	9.1
100YR24HR	BASIN-7	BASE	34.25	78.08	80.00	312698	0.00	3.62	9.7	9.1
100YR24HR	BASIN-7	BASE	34.33	78.07	80.00	312621	0.00	3.62	9.7	9.1
100YR24HR	BASIN-7	BASE	34.42	78.07	80.00	312544	0.00	3.62	9.7	9.2
100YR24HR	BASIN-7	BASE	34.50	78.07	80.00	312467	0.00	3.62	9.7	9.2
100YR24HR	BASIN-7	BASE	34.58	78.06	80.00	312389	0.00	3.62	9.7	9.2
100YR24HR	BASIN-7	BASE	34.67	78.06	80.00	312312	0.00	3.61	9.7	9.2
100YR24HR	BASIN-7	BASE	34.75	78.06	80.00	312234	0.00	3.61	9.7	9.3
100YR24HR	BASIN-7	BASE	34.83	78.05	80.00	312157	0.00	3.61	9.7	9.3
100YR24HR	BASIN-7	BASE	34.92	78.05	80.00	312079	0.00	3.61	9.7	9.3
100YR24HR	BASIN-7	BASE	35.00	78.05	80.00	312002	0.00	3.61	9.7	9.3
100YR24HR	BASIN-7	BASE	35.08	78.04	80.00	311924	0.00	3.61	9.7	9.4
100YR24HR	BASIN-7	BASE	35.17	78.04	80.00	311847	0.00	3.61	9.7	9.4
100YR24HR	BASIN-7	BASE	35.25	78.04	80.00	311770	0.00	3.61	9.7	9.4
100YR24HR	BASIN-7	BASE	35.33	78.03	80.00	311693	0.00	3.61	9.7	9.4
100YR24HR	BASIN-7	BASE	35.42	78.03	80.00	311615	0.00	3.61	9.7	9.5
100YR24HR	BASIN-7	BASE	35.50	78.03	80.00	311538	0.00	3.61	9.7	9.5
100YR24HR	BASIN-7	BASE	35.58	78.02	80.00	311460	0.00	3.60	9.7	9.5
100YR24HR	BASIN-7	BASE	35.67	78.02	80.00	311383	0.00	3.60	9.7	9.5
100YR24HR	BASIN-7	BASE	35.75	78.02	80.00	311305	0.00	3.60	9.7	9.6
100YR24HR	BASIN-7	BASE	35.83	78.01	80.00	311228	0.00	3.60	9.7	9.6
100YR24HR	BASIN-7	BASE	35.92	78.01	80.00	311151	0.00	3.60	9.7	9.6
100YR24HR	BASIN-7	BASE	36.00	78.00	80.00	311074	0.00	3.60	9.7	9.6
100YR24HR	BASIN-7	BASE	36.08	78.00	80.00	310996	0.00	3.60	9.7	9.7
100YR24HR	BASIN-7	BASE	36.17	78.00	80.00	310970	0.00	0.00	9.7	9.7
100YR24HR	BASIN-7	BASE	36.25	78.00	80.00	310970	0.00	0.00	9.7	9.7
100YR24HR	BASIN-7	BASE	36.33	78.00	80.00	310970	0.00	0.00	9.7	9.7
100YR24HR	BASIN-7	BASE	36.42	78.00	80.00	310970	0.00	0.00	9.7	9.7

100YR24HR BASIN 7 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-8	BASE	21.17	86.05	87.00	28488	2.52	2.64	1.0	1.0
100YR24HR	BASIN-8	BASE	21.25	86.05	87.00	28424	2.38	2.60	1.0	1.0
100YR24HR	BASIN-8	BASE	21.33	86.05	87.00	28330	2.26	2.53	1.0	1.0
100YR24HR	BASIN-8	BASE	21.42	86.04	87.00	28223	2.17	2.46	1.1	1.0
100YR24HR	BASIN-8	BASE	21.50	86.04	87.00	28113	2.09	2.38	1.1	1.0
100YR24HR	BASIN-8	BASE	21.58	86.04	87.00	28007	2.03	2.30	1.1	1.1
100YR24HR	BASIN-8	BASE	21.67	86.03	87.00	27912	1.99	2.22	1.1	1.1
100YR24HR	BASIN-8	BASE	21.75	86.03	87.00	27827	1.95	2.15	1.1	1.1
100YR24HR	BASIN-8	BASE	21.83	86.03	87.00	27754	1.92	2.09	1.1	1.1
100YR24HR	BASIN-8	BASE	21.92	86.03	87.00	27692	1.89	2.04	1.1	1.1
100YR24HR	BASIN-8	BASE	22.00	86.03	87.00	27638	1.86	1.99	1.2	1.1
100YR24HR	BASIN-8	BASE	22.08	86.02	87.00	27588	1.81	1.94	1.2	1.1
100YR24HR	BASIN-8	BASE	22.17	86.02	87.00	27525	1.69	1.88	1.2	1.2
100YR24HR	BASIN-8	BASE	22.25	86.02	87.00	27435	1.53	1.79	1.2	1.2
100YR24HR	BASIN-8	BASE	22.33	86.02	87.00	27329	1.40	1.68	1.2	1.2
100YR24HR	BASIN-8	BASE	22.42	86.01	87.00	27222	1.30	1.56	1.2	1.2
100YR24HR	BASIN-8	BASE	22.50	86.01	87.00	27128	1.22	1.44	1.2	1.2
100YR24HR	BASIN-8	BASE	22.58	86.01	87.00	27050	1.16	1.33	1.2	1.2
100YR24HR	BASIN-8	BASE	22.67	86.01	87.00	26991	1.11	1.24	1.2	1.2
100YR24HR	BASIN-8	BASE	22.75	86.01	87.00	26945	1.07	1.16	1.2	1.2
100YR24HR	BASIN-8	BASE	22.83	86.01	87.00	26913	1.03	1.10	1.2	1.2
100YR24HR	BASIN-8	BASE	22.92	86.01	87.00	26890	1.01	1.06	1.3	1.2
100YR24HR	BASIN-8	BASE	23.00	86.00	87.00	26872	0.98	1.02	1.3	1.3
100YR24HR	BASIN-8	BASE	23.08	86.00	87.00	26859	0.96	0.99	1.3	1.3
100YR24HR	BASIN-8	BASE	23.17	86.00	87.00	26848	0.94	0.97	1.3	1.3
100YR24HR	BASIN-8	BASE	23.25	86.00	87.00	26839	0.93	0.95	1.3	1.3
100YR24HR	BASIN-8	BASE	23.34	86.00	87.00	26832	0.91	0.93	1.3	1.3
100YR24HR	BASIN-8	BASE	23.42	86.00	87.00	26827	0.90	0.92	1.3	1.3
100YR24HR	BASIN-8	BASE	23.50	86.00	87.00	26822	0.90	0.91	1.3	1.3
100YR24HR	BASIN-8	BASE	23.58	86.00	87.00	26820	0.89	0.90	1.3	1.3
100YR24HR	BASIN-8	BASE	23.67	86.00	87.00	26817	0.89	0.89	1.3	1.3
100YR24HR	BASIN-8	BASE	23.75	86.00	87.00	26816	0.89	0.89	1.3	1.3
100YR24HR	BASIN-8	BASE	23.84	86.00	87.00	26815	0.88	0.89	1.3	1.3
100YR24HR	BASIN-8	BASE	23.92	86.00	87.00	26815	0.88	0.89	1.3	1.3
100YR24HR	BASIN-8	BASE	24.00	86.00	87.00	26815	0.88	0.88	1.3	1.3
100YR24HR	BASIN-8	BASE	24.08	86.00	87.00	26810	0.85	0.87	1.3	1.3
100YR24HR	BASIN-8	BASE	24.17	86.00	87.00	26790	0.75	0.82	1.3	1.3
100YR24HR	BASIN-8	BASE	24.26	86.00	87.00	26753	0.60	0.69	1.4	1.4
100YR24HR	BASIN-8	BASE	24.34	86.00	87.00	26721	0.48	0.54	1.4	1.4
100YR24HR	BASIN-8	BASE	24.42	86.00	87.00	26709	0.39	0.39	1.4	1.4
100YR24HR	BASIN-8	BASE	24.51	86.00	87.00	26708	0.32	0.32	1.4	1.4
100YR24HR	BASIN-8	BASE	24.59	86.00	87.00	26707	0.26	0.26	1.4	1.4
100YR24HR	BASIN-8	BASE	24.67	86.00	87.00	26707	0.21	0.22	1.4	1.4
100YR24HR	BASIN-8	BASE	24.76	86.00	87.00	26706	0.18	0.18	1.4	1.4
100YR24HR	BASIN-8	BASE	24.84	86.00	87.00	26706	0.15	0.15	1.4	1.4
100YR24HR	BASIN-8	BASE	24.92	86.00	87.00	26705	0.12	0.12	1.4	1.4
100YR24HR	BASIN-8	BASE	25.01	86.00	87.00	26705	0.09	0.09	1.4	1.4
100YR24HR	BASIN-8	BASE	25.09	86.00	87.00	26705	0.07	0.07	1.4	1.4
100YR24HR	BASIN-8	BASE	25.17	86.00	87.00	26704	0.05	0.05	1.4	1.4
100YR24HR	BASIN-8	BASE	25.25	86.00	87.00	115	0.04	-0.51	1.4	1.4
100YR24HR	BASIN-8	BASE	25.33	86.00	87.00	115	0.03	-0.58	1.4	1.4
100YR24HR	BASIN-8	BASE	25.42	86.00	87.00	115	0.02	-0.60	1.4	1.4
100YR24HR	BASIN-8	BASE	25.50	86.00	87.00	115	0.01	-0.61	1.4	1.4

100YR24HR BASIN 8 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-9	BASE	36.75	77.14	79.75	154144	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	36.83	77.14	79.75	154093	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	36.92	77.14	79.75	154040	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	37.00	77.13	79.75	153988	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	37.08	77.13	79.75	153936	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	37.17	77.13	79.75	153884	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	37.25	77.12	79.75	153832	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	37.33	77.12	79.75	153780	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	37.42	77.11	79.75	153728	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	37.50	77.11	79.75	153676	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	37.58	77.11	79.75	153623	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	37.67	77.10	79.75	153572	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	37.75	77.10	79.75	153519	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	37.83	77.10	79.75	153467	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	37.92	77.09	79.75	153415	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	38.00	77.09	79.75	153363	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	38.08	77.09	79.75	153311	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.17	77.08	79.75	153259	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.25	77.08	79.75	153207	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.33	77.08	79.75	153155	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.42	77.07	79.75	153103	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.50	77.07	79.75	153051	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.58	77.07	79.75	152999	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.67	77.06	79.75	152946	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.75	77.06	79.75	152894	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.83	77.06	79.75	152842	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	38.92	77.05	79.75	152790	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	39.00	77.05	79.75	152738	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	39.08	77.05	79.75	152686	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	39.17	77.04	79.75	152634	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	39.25	77.04	79.75	152582	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	39.33	77.03	79.75	152530	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	39.42	77.03	79.75	152478	0.00	1.76	5.2	5.0
100YR24HR	BASIN-9	BASE	39.50	77.03	79.75	152426	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	39.58	77.02	79.75	152373	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	39.67	77.02	79.75	152321	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	39.75	77.02	79.75	152269	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	39.83	77.01	79.75	152217	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	39.92	77.01	79.75	152165	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	40.00	77.01	79.75	152113	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	40.08	77.00	79.75	152061	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	40.17	77.00	79.75	152009	0.00	1.76	5.2	5.2
100YR24HR	BASIN-9	BASE	40.25	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.33	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.42	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.50	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.58	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.67	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.75	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.83	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.92	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	41.00	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	41.08	77.00	79.75	152007	0.00	0.00	5.2	5.2

100YR24HR BASIN 9 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-1	BASE	11.25	84.33	86.00	8059	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	11.50	84.32	86.00	7956	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	11.75	84.31	86.00	7853	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	12.00	84.30	86.00	7751	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	12.25	84.29	86.00	7648	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	12.50	84.28	86.00	7546	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	12.75	84.27	86.00	7444	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	13.00	84.26	86.00	7341	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	13.25	84.24	86.00	7238	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	13.50	84.23	86.00	7136	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	13.75	84.22	86.00	7034	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	14.00	84.21	86.00	6931	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	14.25	84.20	86.00	6829	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	14.50	84.19	86.00	6726	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	14.75	84.18	86.00	6623	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	15.00	84.17	86.00	6521	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	15.25	84.16	86.00	6419	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	15.50	84.15	86.00	6316	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	15.75	84.14	86.00	6213	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	16.00	84.13	86.00	6111	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	16.25	84.12	86.00	6008	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	16.50	84.11	86.00	5906	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	16.75	84.10	86.00	5804	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	17.00	84.09	86.00	5701	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	17.25	84.08	86.00	5598	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	17.50	84.07	86.00	5496	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	17.75	84.06	86.00	5394	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	18.00	84.05	86.00	5291	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	18.25	84.04	86.00	5188	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	18.50	84.03	86.00	5086	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	18.75	84.02	86.00	4983	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	19.00	84.01	86.00	4881	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	19.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	19.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	19.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	20.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	20.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	20.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	20.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	21.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	21.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	21.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	21.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	22.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	22.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	22.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	22.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	23.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	23.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	23.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	23.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	24.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	24.25	84.00	86.00	4831	0.00	0.00	0.1	0.1

100YR2HR BASIN 1 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-10	BASE	57.00	72.33	79.00	19157	0.00	0.22	3.3	3.2
100YR2HR	BASIN-10	BASE	57.25	72.32	79.00	18881	0.00	0.22	3.3	3.2
100YR2HR	BASIN-10	BASE	57.50	72.31	79.00	18606	0.00	0.22	3.3	3.2
100YR2HR	BASIN-10	BASE	57.75	72.30	79.00	18330	0.00	0.21	3.3	3.2
100YR2HR	BASIN-10	BASE	58.00	72.29	79.00	18055	0.00	0.21	3.3	3.2
100YR2HR	BASIN-10	BASE	58.25	72.28	79.00	17779	0.00	0.21	3.3	3.3
100YR2HR	BASIN-10	BASE	58.50	72.27	79.00	17503	0.00	0.20	3.3	3.3
100YR2HR	BASIN-10	BASE	58.75	72.26	79.00	17228	0.00	0.20	3.3	3.3
100YR2HR	BASIN-10	BASE	59.00	72.25	79.00	16952	0.00	0.20	3.3	3.3
100YR2HR	BASIN-10	BASE	59.25	72.24	79.00	16677	0.00	0.19	3.3	3.3
100YR2HR	BASIN-10	BASE	59.50	72.23	79.00	16401	0.00	0.19	3.3	3.3
100YR2HR	BASIN-10	BASE	59.75	72.22	79.00	16126	0.00	0.19	3.3	3.3
100YR2HR	BASIN-10	BASE	60.00	72.21	79.00	15850	0.00	0.18	3.3	3.3
100YR2HR	BASIN-10	BASE	60.25	72.20	79.00	15574	0.00	0.18	3.3	3.3
100YR2HR	BASIN-10	BASE	60.50	72.18	79.00	15299	0.00	0.18	3.3	3.3
100YR2HR	BASIN-10	BASE	60.75	72.17	79.00	15023	0.00	0.17	3.3	3.3
100YR2HR	BASIN-10	BASE	61.00	72.16	79.00	14748	0.00	0.17	3.3	3.3
100YR2HR	BASIN-10	BASE	61.25	72.15	79.00	14473	0.00	0.17	3.3	3.3
100YR2HR	BASIN-10	BASE	61.50	72.14	79.00	14197	0.00	0.16	3.3	3.3
100YR2HR	BASIN-10	BASE	61.75	72.13	79.00	13921	0.00	0.16	3.3	3.3
100YR2HR	BASIN-10	BASE	62.00	72.12	79.00	13645	0.00	0.16	3.3	3.3
100YR2HR	BASIN-10	BASE	62.25	72.11	79.00	13370	0.00	0.15	3.3	3.3
100YR2HR	BASIN-10	BASE	62.50	72.10	79.00	13094	0.00	0.15	3.3	3.3
100YR2HR	BASIN-10	BASE	62.75	72.09	79.00	12819	0.00	0.15	3.3	3.3
100YR2HR	BASIN-10	BASE	63.00	72.08	79.00	12544	0.00	0.15	3.3	3.3
100YR2HR	BASIN-10	BASE	63.25	72.07	79.00	12268	0.00	0.14	3.3	3.3
100YR2HR	BASIN-10	BASE	63.50	72.06	79.00	11992	0.00	0.14	3.3	3.3
100YR2HR	BASIN-10	BASE	63.75	72.05	79.00	11717	0.00	0.14	3.3	3.3
100YR2HR	BASIN-10	BASE	64.00	72.04	79.00	11441	0.00	0.13	3.3	3.3
100YR2HR	BASIN-10	BASE	64.25	72.03	79.00	11165	0.00	0.13	3.3	3.3
100YR2HR	BASIN-10	BASE	64.50	72.02	79.00	10890	0.00	0.13	3.3	3.3
100YR2HR	BASIN-10	BASE	64.75	72.01	79.00	10615	0.00	0.12	3.3	3.3
100YR2HR	BASIN-10	BASE	65.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	65.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	65.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	65.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	66.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	66.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	66.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	66.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	67.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	67.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	67.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	67.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	68.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	68.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	68.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	68.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	69.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	69.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	69.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	69.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	70.00	72.00	79.00	10411	0.00	0.00	3.3	3.3

100YR2HR BASIN 10 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-10	BASE	719.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	719.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	720.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	720.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	720.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	720.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	721.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	721.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	721.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	721.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	722.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	722.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-11	BASE	0.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	0.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	0.50	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR2HR	BASIN-11	BASE	0.75	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR2HR	BASIN-11	BASE	1.00	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR2HR	BASIN-11	BASE	1.25	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR2HR	BASIN-11	BASE	1.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	1.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	2.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	2.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	2.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	2.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	3.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	3.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	3.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	3.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	4.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	4.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	4.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	4.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	5.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	5.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	5.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	5.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	6.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	6.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	6.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	6.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	7.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	7.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	7.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	7.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	8.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	8.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	8.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	8.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	9.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	9.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	9.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	9.75	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR2HR BASIN 11 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-12	BASE	16.00	82.21	84.00	30124	0.00	0.35	0.9	0.8
100YR2HR	BASIN-12	BASE	16.25	82.20	84.00	29380	0.00	0.34	0.9	0.8
100YR2HR	BASIN-12	BASE	16.50	82.19	84.00	28636	0.00	0.33	0.9	0.8
100YR2HR	BASIN-12	BASE	16.75	82.18	84.00	27893	0.00	0.32	0.9	0.8
100YR2HR	BASIN-12	BASE	17.00	82.17	84.00	27148	0.00	0.31	0.9	0.8
100YR2HR	BASIN-12	BASE	17.25	82.16	84.00	26404	0.00	0.31	0.9	0.8
100YR2HR	BASIN-12	BASE	17.50	82.15	84.00	25660	0.00	0.30	0.9	0.8
100YR2HR	BASIN-12	BASE	17.75	82.14	84.00	24917	0.00	0.29	0.9	0.8
100YR2HR	BASIN-12	BASE	18.00	82.13	84.00	24173	0.00	0.28	0.9	0.8
100YR2HR	BASIN-12	BASE	18.25	82.12	84.00	23428	0.00	0.27	0.9	0.8
100YR2HR	BASIN-12	BASE	18.50	82.11	84.00	22685	0.00	0.26	0.9	0.8
100YR2HR	BASIN-12	BASE	18.75	82.10	84.00	21941	0.00	0.25	0.9	0.8
100YR2HR	BASIN-12	BASE	19.00	82.09	84.00	21197	0.00	0.25	0.9	0.8
100YR2HR	BASIN-12	BASE	19.25	82.08	84.00	20454	0.00	0.24	0.9	0.8
100YR2HR	BASIN-12	BASE	19.50	82.07	84.00	19710	0.00	0.23	0.9	0.8
100YR2HR	BASIN-12	BASE	19.75	82.05	84.00	18965	0.00	0.22	0.9	0.9
100YR2HR	BASIN-12	BASE	20.00	82.04	84.00	18221	0.00	0.21	0.9	0.9
100YR2HR	BASIN-12	BASE	20.25	82.03	84.00	17478	0.00	0.20	0.9	0.9
100YR2HR	BASIN-12	BASE	20.50	82.02	84.00	16734	0.00	0.19	0.9	0.9
100YR2HR	BASIN-12	BASE	20.75	82.01	84.00	15989	0.00	0.19	0.9	0.9
100YR2HR	BASIN-12	BASE	21.00	82.00	84.00	15246	0.00	0.18	0.9	0.9
100YR2HR	BASIN-12	BASE	21.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	21.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	21.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	22.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	22.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	22.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	22.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	23.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	23.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	23.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	23.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	24.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	24.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	24.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	24.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	25.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	25.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	25.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	25.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	26.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	26.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	26.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	26.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	27.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	27.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	27.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	27.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	28.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	28.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	28.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	28.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	29.00	82.00	84.00	15050	0.00	0.00	0.9	0.9

100YR2HR BASIN 12 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-13	BASE	48.50	80.22	89.00	717	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	48.75	80.21	89.00	713	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	49.00	80.20	89.00	708	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	49.25	80.19	89.00	704	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	49.50	80.18	89.00	700	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	49.75	80.16	89.00	695	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	50.00	80.15	89.00	691	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	50.25	80.14	89.00	687	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	50.50	80.13	89.00	683	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	50.75	80.12	89.00	678	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	51.00	80.11	89.00	674	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	51.25	80.10	89.00	670	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	51.50	80.09	89.00	665	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	51.75	80.08	89.00	661	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	52.00	80.07	89.00	657	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	52.25	80.06	89.00	652	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	52.50	80.05	89.00	648	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	52.75	80.04	89.00	644	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	53.00	80.03	89.00	639	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	53.25	80.02	89.00	635	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	53.50	80.01	89.00	631	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	53.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	54.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	54.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	54.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	54.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	55.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	55.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	55.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	55.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	56.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	56.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	56.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	56.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	57.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	57.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	57.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	57.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	58.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	58.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	58.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	58.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	59.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	59.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	59.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	59.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	60.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	60.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	60.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	60.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	61.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	61.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	61.50	80.00	89.00	627	0.00	0.00	0.1	0.1

100YR2HR BASIN 13 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-14	BASE	54.50	75.29	84.00	549	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	54.75	75.28	84.00	533	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	55.00	75.27	84.00	517	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	55.25	75.26	84.00	501	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	55.50	75.25	84.00	485	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	55.75	75.24	84.00	469	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	56.00	75.23	84.00	453	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	56.25	75.21	84.00	437	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	56.50	75.20	84.00	421	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	56.75	75.19	84.00	405	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	57.00	75.18	84.00	389	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	57.25	75.17	84.00	373	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	57.50	75.16	84.00	357	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	57.75	75.15	84.00	341	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	58.00	75.14	84.00	326	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	58.25	75.13	84.00	310	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	58.50	75.12	84.00	294	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	58.75	75.11	84.00	278	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	59.00	75.10	84.00	262	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	59.25	75.09	84.00	246	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	59.50	75.08	84.00	230	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	59.75	75.07	84.00	214	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	60.00	75.06	84.00	198	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	60.25	75.05	84.00	182	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	60.50	75.04	84.00	166	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	60.75	75.03	84.00	150	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	61.00	75.02	84.00	134	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	61.25	75.01	84.00	119	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	61.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	61.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	62.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	62.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	62.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	62.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	63.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	63.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	63.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	63.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	64.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	64.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	64.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	64.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	65.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	65.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	65.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	65.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	66.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	66.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	66.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	66.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	67.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	67.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	67.50	75.00	84.00	113	0.00	0.00	0.2	0.2

100YR2HR BASIN 14 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-14	BASE	717.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	717.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	717.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	717.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	718.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	718.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	718.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	718.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	719.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	719.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	719.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	719.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	720.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	720.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	720.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	720.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	721.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	721.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	721.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	721.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	722.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	722.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-15	BASE	0.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	0.25	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR2HR	BASIN-15	BASE	0.50	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR2HR	BASIN-15	BASE	0.75	83.00	84.75	29686	0.05	0.05	0.0	0.0
100YR2HR	BASIN-15	BASE	1.00	83.00	84.75	29686	0.05	0.05	0.0	0.0
100YR2HR	BASIN-15	BASE	1.25	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR2HR	BASIN-15	BASE	1.50	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR2HR	BASIN-15	BASE	1.75	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR2HR	BASIN-15	BASE	2.00	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR2HR	BASIN-15	BASE	2.25	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR2HR	BASIN-15	BASE	2.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	2.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	3.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	3.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	3.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	3.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	4.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	4.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	4.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	4.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	5.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	5.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	5.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	5.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	6.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	6.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	6.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	6.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	7.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	7.25	83.00	84.75	29686	0.00	0.00	0.0	0.0

100YR2HR BASIN 15 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-2	BASE	715.75	45.81	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	716.00	45.81	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	716.25	45.81	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	716.50	45.81	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	716.75	45.81	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	717.00	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	717.25	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	717.50	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	717.75	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	718.00	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	718.25	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	718.50	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	718.75	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	719.00	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	719.25	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	719.50	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	719.75	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	720.00	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	720.25	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	720.50	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	720.75	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	721.00	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	721.25	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	721.50	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	721.75	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	722.00	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	722.00	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR2HR	BASIN-3	BASE	0.25	80.00	88.00	106042	3.65	1.23	0.0	0.0
100YR2HR	BASIN-3	BASE	0.50	80.08	88.00	112056	19.84	1.30	0.3	0.0
100YR2HR	BASIN-3	BASE	0.75	80.30	88.00	128165	42.12	1.48	0.9	0.1
100YR2HR	BASIN-3	BASE	1.00	80.64	88.00	152846	62.60	1.77	2.0	0.1
100YR2HR	BASIN-3	BASE	1.25	80.96	88.00	176345	55.08	2.04	3.2	0.1
100YR2HR	BASIN-3	BASE	1.50	81.18	88.00	193229	43.68	2.24	4.2	0.2
100YR2HR	BASIN-3	BASE	1.75	81.35	88.00	205627	35.48	2.38	5.1	0.2
100YR2HR	BASIN-3	BASE	2.00	81.48	88.00	214993	28.85	2.49	5.7	0.3
100YR2HR	BASIN-3	BASE	2.25	81.58	88.00	222139	22.52	2.57	6.3	0.3
100YR2HR	BASIN-3	BASE	2.50	81.64	88.00	226992	16.02	2.63	6.7	0.4
100YR2HR	BASIN-3	BASE	2.75	81.68	88.00	230120	10.99	2.66	6.9	0.4
100YR2HR	BASIN-3	BASE	3.00	81.71	88.00	231937	7.14	2.68	7.1	0.5
100YR2HR	BASIN-3	BASE	3.25	81.72	88.00	232794	4.40	2.69	7.2	0.6
100YR2HR	BASIN-3	BASE	3.50	81.72	88.00	232982	2.40	2.70	7.3	0.6
100YR2HR	BASIN-3	BASE	3.75	81.72	88.00	232705	1.20	2.69	7.3	0.7
100YR2HR	BASIN-3	BASE	4.00	81.71	88.00	232186	0.61	2.69	7.4	0.7
100YR2HR	BASIN-3	BASE	4.25	81.70	88.00	231537	0.27	2.68	7.4	0.8
100YR2HR	BASIN-3	BASE	4.50	81.69	88.00	230817	0.09	2.67	7.4	0.8
100YR2HR	BASIN-3	BASE	4.75	81.68	88.00	230061	0.01	2.66	7.4	0.9
100YR2HR	BASIN-3	BASE	5.00	81.67	88.00	229292	0.00	2.65	7.4	0.9
100YR2HR	BASIN-3	BASE	5.25	81.66	88.00	228524	0.00	2.64	7.4	1.0
100YR2HR	BASIN-3	BASE	5.50	81.65	88.00	227754	0.00	2.64	7.4	1.1
100YR2HR	BASIN-3	BASE	5.75	81.64	88.00	226985	0.00	2.63	7.4	1.1
100YR2HR	BASIN-3	BASE	6.00	81.63	88.00	226216	0.00	2.62	7.4	1.2

100YR2HR BASIN 2 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-3	BASE	32.75	80.52	88.00	143902	0.00	1.67	7.4	5.9
100YR2HR	BASIN-3	BASE	33.00	80.51	88.00	143132	0.00	1.66	7.4	5.9
100YR2HR	BASIN-3	BASE	33.25	80.50	88.00	142364	0.00	1.65	7.4	6.0
100YR2HR	BASIN-3	BASE	33.50	80.48	88.00	141594	0.00	1.64	7.4	6.0
100YR2HR	BASIN-3	BASE	33.75	80.47	88.00	140824	0.00	1.63	7.4	6.0
100YR2HR	BASIN-3	BASE	34.00	80.46	88.00	140055	0.00	1.62	7.4	6.1
100YR2HR	BASIN-3	BASE	34.25	80.45	88.00	139286	0.00	1.61	7.4	6.1
100YR2HR	BASIN-3	BASE	34.50	80.44	88.00	138517	0.00	1.60	7.4	6.1
100YR2HR	BASIN-3	BASE	34.75	80.43	88.00	137747	0.00	1.59	7.4	6.2
100YR2HR	BASIN-3	BASE	35.00	80.42	88.00	136979	0.00	1.59	7.4	6.2
100YR2HR	BASIN-3	BASE	35.25	80.41	88.00	136209	0.00	1.58	7.4	6.2
100YR2HR	BASIN-3	BASE	35.50	80.40	88.00	135439	0.00	1.57	7.4	6.3
100YR2HR	BASIN-3	BASE	35.75	80.39	88.00	134671	0.00	1.56	7.4	6.3
100YR2HR	BASIN-3	BASE	36.00	80.38	88.00	133901	0.00	1.55	7.4	6.3
100YR2HR	BASIN-3	BASE	36.25	80.37	88.00	133132	0.00	1.54	7.4	6.4
100YR2HR	BASIN-3	BASE	36.50	80.36	88.00	132363	0.00	1.53	7.4	6.4
100YR2HR	BASIN-3	BASE	36.75	80.35	88.00	131594	0.00	1.52	7.4	6.4
100YR2HR	BASIN-3	BASE	37.00	80.34	88.00	130824	0.00	1.51	7.4	6.5
100YR2HR	BASIN-3	BASE	37.25	80.33	88.00	130054	0.00	1.51	7.4	6.5
100YR2HR	BASIN-3	BASE	37.50	80.32	88.00	129286	0.00	1.50	7.4	6.5
100YR2HR	BASIN-3	BASE	37.75	80.31	88.00	128516	0.00	1.49	7.4	6.5
100YR2HR	BASIN-3	BASE	38.00	80.30	88.00	127746	0.00	1.48	7.4	6.6
100YR2HR	BASIN-3	BASE	38.25	80.29	88.00	126978	0.00	1.47	7.4	6.6
100YR2HR	BASIN-3	BASE	38.50	80.28	88.00	126208	0.00	1.46	7.4	6.6
100YR2HR	BASIN-3	BASE	38.75	80.27	88.00	125439	0.00	1.45	7.4	6.7
100YR2HR	BASIN-3	BASE	39.00	80.26	88.00	124670	0.00	1.44	7.4	6.7
100YR2HR	BASIN-3	BASE	39.25	80.25	88.00	123901	0.00	1.43	7.4	6.7
100YR2HR	BASIN-3	BASE	39.50	80.23	88.00	123131	0.00	1.43	7.4	6.8
100YR2HR	BASIN-3	BASE	39.75	80.22	88.00	122361	0.00	1.42	7.4	6.8
100YR2HR	BASIN-3	BASE	40.00	80.21	88.00	121593	0.00	1.41	7.4	6.8
100YR2HR	BASIN-3	BASE	40.25	80.20	88.00	120823	0.00	1.40	7.4	6.8
100YR2HR	BASIN-3	BASE	40.50	80.19	88.00	120053	0.00	1.39	7.4	6.9
100YR2HR	BASIN-3	BASE	40.75	80.18	88.00	119285	0.00	1.38	7.4	6.9
100YR2HR	BASIN-3	BASE	41.00	80.17	88.00	118515	0.00	1.37	7.4	6.9
100YR2HR	BASIN-3	BASE	41.25	80.16	88.00	117746	0.00	1.36	7.4	7.0
100YR2HR	BASIN-3	BASE	41.50	80.15	88.00	116977	0.00	1.35	7.4	7.0
100YR2HR	BASIN-3	BASE	41.75	80.14	88.00	116208	0.00	1.34	7.4	7.0
100YR2HR	BASIN-3	BASE	42.00	80.13	88.00	115438	0.00	1.34	7.4	7.0
100YR2HR	BASIN-3	BASE	42.25	80.12	88.00	114668	0.00	1.33	7.4	7.1
100YR2HR	BASIN-3	BASE	42.50	80.11	88.00	113900	0.00	1.32	7.4	7.1
100YR2HR	BASIN-3	BASE	42.75	80.10	88.00	113130	0.00	1.31	7.4	7.1
100YR2HR	BASIN-3	BASE	43.00	80.09	88.00	112361	0.00	1.30	7.4	7.2
100YR2HR	BASIN-3	BASE	43.25	80.08	88.00	111592	0.00	1.29	7.4	7.2
100YR2HR	BASIN-3	BASE	43.50	80.07	88.00	110823	0.00	1.28	7.4	7.2
100YR2HR	BASIN-3	BASE	43.75	80.06	88.00	110053	0.00	1.27	7.4	7.2
100YR2HR	BASIN-3	BASE	44.00	80.05	88.00	109284	0.00	1.26	7.4	7.3
100YR2HR	BASIN-3	BASE	44.25	80.04	88.00	108515	0.00	1.26	7.4	7.3
100YR2HR	BASIN-3	BASE	44.50	80.03	88.00	107745	0.00	1.25	7.4	7.3
100YR2HR	BASIN-3	BASE	44.75	80.02	88.00	106977	0.00	1.24	7.4	7.3
100YR2HR	BASIN-3	BASE	45.00	80.01	88.00	106207	0.00	1.23	7.4	7.4
100YR2HR	BASIN-3	BASE	45.25	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR2HR	BASIN-3	BASE	45.50	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR2HR	BASIN-3	BASE	45.75	80.00	88.00	105790	0.00	0.00	7.4	7.4

100YR2HR BASIN 3 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-3	BASE	721.75	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR2HR	BASIN-3	BASE	722.00	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR2HR	BASIN-3	BASE	722.00	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR2HR	BASIN-4	BASE	0.00	85.00	87.00	195349	0.00	0.00	0.0	0.0
100YR2HR	BASIN-4	BASE	0.25	85.00	87.00	195349	0.92	0.92	0.0	0.0
100YR2HR	BASIN-4	BASE	0.50	85.00	87.00	195387	3.95	2.26	0.1	0.0
100YR2HR	BASIN-4	BASE	0.75	85.02	87.00	195711	8.66	2.27	0.2	0.1
100YR2HR	BASIN-4	BASE	1.00	85.06	87.00	196496	12.99	2.27	0.4	0.1
100YR2HR	BASIN-4	BASE	1.25	85.10	87.00	197268	9.63	2.28	0.6	0.2
100YR2HR	BASIN-4	BASE	1.50	85.13	87.00	197776	7.15	2.29	0.8	0.2
100YR2HR	BASIN-4	BASE	1.75	85.15	87.00	198113	5.52	2.29	1.0	0.3
100YR2HR	BASIN-4	BASE	2.00	85.16	87.00	198334	4.32	2.30	1.1	0.3
100YR2HR	BASIN-4	BASE	2.25	85.17	87.00	198449	2.94	2.30	1.1	0.4
100YR2HR	BASIN-4	BASE	2.50	85.17	87.00	198449	1.71	2.30	1.2	0.4
100YR2HR	BASIN-4	BASE	2.75	85.16	87.00	198365	0.94	2.30	1.2	0.5
100YR2HR	BASIN-4	BASE	3.00	85.16	87.00	198229	0.45	2.29	1.2	0.5
100YR2HR	BASIN-4	BASE	3.25	85.15	87.00	198064	0.22	2.29	1.2	0.6
100YR2HR	BASIN-4	BASE	3.50	85.14	87.00	197884	0.11	2.29	1.2	0.6
100YR2HR	BASIN-4	BASE	3.75	85.13	87.00	197698	0.04	2.29	1.2	0.7
100YR2HR	BASIN-4	BASE	4.00	85.12	87.00	197506	0.01	2.29	1.2	0.7
100YR2HR	BASIN-4	BASE	4.25	85.11	87.00	197314	0.00	2.28	1.2	0.8
100YR2HR	BASIN-4	BASE	4.50	85.10	87.00	197121	0.00	2.28	1.2	0.8
100YR2HR	BASIN-4	BASE	4.75	85.09	87.00	196928	0.00	2.28	1.2	0.8
100YR2HR	BASIN-4	BASE	5.00	85.07	87.00	196735	0.00	2.28	1.2	0.9
100YR2HR	BASIN-4	BASE	5.25	85.06	87.00	196542	0.00	2.27	1.2	0.9
100YR2HR	BASIN-4	BASE	5.50	85.05	87.00	196349	0.00	2.27	1.2	1.0
100YR2HR	BASIN-4	BASE	5.75	85.04	87.00	196156	0.00	2.27	1.2	1.0
100YR2HR	BASIN-4	BASE	6.00	85.03	87.00	195963	0.00	2.27	1.2	1.1
100YR2HR	BASIN-4	BASE	6.25	85.02	87.00	195770	0.00	2.27	1.2	1.1
100YR2HR	BASIN-4	BASE	6.50	85.01	87.00	195577	0.00	2.26	1.2	1.2
100YR2HR	BASIN-4	BASE	6.75	85.00	87.00	195384	0.00	2.26	1.2	1.2
100YR2HR	BASIN-4	BASE	7.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	7.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	7.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	7.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	8.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	8.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	8.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	8.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	9.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	9.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	9.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	9.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	10.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	10.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	10.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	10.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	11.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	11.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	11.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	11.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	12.00	85.00	87.00	195349	0.00	0.00	1.2	1.2

100YR2HR BASIN 4 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-5	BASE	5.00	87.43	89.00	496788	0.22	5.75	7.0	2.2
100YR2HR	BASIN-5	BASE	5.25	87.42	89.00	496365	0.10	5.74	7.0	2.3
100YR2HR	BASIN-5	BASE	5.50	87.41	89.00	495935	0.03	5.74	7.0	2.5
100YR2HR	BASIN-5	BASE	5.75	87.40	89.00	495502	0.00	5.73	7.0	2.6
100YR2HR	BASIN-5	BASE	6.00	87.39	89.00	495068	0.00	5.73	7.0	2.7
100YR2HR	BASIN-5	BASE	6.25	87.38	89.00	494633	0.00	5.72	7.0	2.8
100YR2HR	BASIN-5	BASE	6.50	87.37	89.00	494199	0.00	5.72	7.0	2.9
100YR2HR	BASIN-5	BASE	6.75	87.36	89.00	493764	0.00	5.71	7.0	3.0
100YR2HR	BASIN-5	BASE	7.00	87.35	89.00	493331	0.00	5.71	7.0	3.2
100YR2HR	BASIN-5	BASE	7.25	87.34	89.00	492896	0.00	5.70	7.0	3.3
100YR2HR	BASIN-5	BASE	7.50	87.33	89.00	492462	0.00	5.70	7.0	3.4
100YR2HR	BASIN-5	BASE	7.75	87.31	89.00	492028	0.00	5.69	7.0	3.5
100YR2HR	BASIN-5	BASE	8.00	87.30	89.00	491593	0.00	5.69	7.0	3.6
100YR2HR	BASIN-5	BASE	8.25	87.29	89.00	491159	0.00	5.68	7.0	3.8
100YR2HR	BASIN-5	BASE	8.50	87.28	89.00	490725	0.00	5.68	7.0	3.9
100YR2HR	BASIN-5	BASE	8.75	87.27	89.00	490291	0.00	5.67	7.0	4.0
100YR2HR	BASIN-5	BASE	9.00	87.26	89.00	489856	0.00	5.67	7.0	4.1
100YR2HR	BASIN-5	BASE	9.25	87.25	89.00	489421	0.00	5.66	7.0	4.2
100YR2HR	BASIN-5	BASE	9.50	87.24	89.00	488988	0.00	5.66	7.0	4.3
100YR2HR	BASIN-5	BASE	9.75	87.23	89.00	488553	0.00	5.65	7.0	4.5
100YR2HR	BASIN-5	BASE	10.00	87.22	89.00	488119	0.00	5.65	7.0	4.6
100YR2HR	BASIN-5	BASE	10.25	87.21	89.00	487685	0.00	5.64	7.0	4.7
100YR2HR	BASIN-5	BASE	10.50	87.20	89.00	487250	0.00	5.64	7.0	4.8
100YR2HR	BASIN-5	BASE	10.75	87.19	89.00	486816	0.00	5.63	7.0	4.9
100YR2HR	BASIN-5	BASE	11.00	87.18	89.00	486382	0.00	5.63	7.0	5.0
100YR2HR	BASIN-5	BASE	11.25	87.17	89.00	485948	0.00	5.62	7.0	5.2
100YR2HR	BASIN-5	BASE	11.50	87.16	89.00	485513	0.00	5.62	7.0	5.3
100YR2HR	BASIN-5	BASE	11.75	87.15	89.00	485079	0.00	5.61	7.0	5.4
100YR2HR	BASIN-5	BASE	12.00	87.14	89.00	484645	0.00	5.61	7.0	5.5
100YR2HR	BASIN-5	BASE	12.25	87.13	89.00	484210	0.00	5.60	7.0	5.6
100YR2HR	BASIN-5	BASE	12.50	87.12	89.00	483776	0.00	5.60	7.0	5.7
100YR2HR	BASIN-5	BASE	12.75	87.11	89.00	483342	0.00	5.59	7.0	5.8
100YR2HR	BASIN-5	BASE	13.00	87.10	89.00	482908	0.00	5.59	7.0	6.0
100YR2HR	BASIN-5	BASE	13.25	87.09	89.00	482473	0.00	5.58	7.0	6.1
100YR2HR	BASIN-5	BASE	13.50	87.08	89.00	482039	0.00	5.58	7.0	6.2
100YR2HR	BASIN-5	BASE	13.75	87.06	89.00	481605	0.00	5.57	7.0	6.3
100YR2HR	BASIN-5	BASE	14.00	87.05	89.00	481170	0.00	5.57	7.0	6.4
100YR2HR	BASIN-5	BASE	14.25	87.04	89.00	480737	0.00	5.56	7.0	6.5
100YR2HR	BASIN-5	BASE	14.50	87.03	89.00	480302	0.00	5.56	7.0	6.7
100YR2HR	BASIN-5	BASE	14.75	87.02	89.00	479868	0.00	5.55	7.0	6.8
100YR2HR	BASIN-5	BASE	15.00	87.01	89.00	479433	0.00	5.55	7.0	6.9
100YR2HR	BASIN-5	BASE	15.25	87.00	89.00	478999	0.00	5.54	7.0	7.0
100YR2HR	BASIN-5	BASE	15.50	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	15.75	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	16.00	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	16.25	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	16.50	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	16.75	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	17.00	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	17.25	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	17.50	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	17.75	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	18.00	87.00	89.00	478907	0.00	0.00	7.0	7.1

100YR2HR BASIN 5 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-5	BASE	720.50	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	720.75	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	721.00	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	721.25	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	721.50	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	721.75	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	722.00	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	722.00	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-6	BASE	0.00	85.00	87.00	383023	0.00	0.00	0.0	0.0
100YR2HR	BASIN-6	BASE	0.25	85.00	87.00	383023	1.69	1.69	0.0	0.0
100YR2HR	BASIN-6	BASE	0.50	85.00	87.00	383077	7.85	4.43	0.1	0.1
100YR2HR	BASIN-6	BASE	0.75	85.02	87.00	383498	14.84	4.44	0.4	0.2
100YR2HR	BASIN-6	BASE	1.00	85.05	87.00	384311	19.45	4.45	0.7	0.3
100YR2HR	BASIN-6	BASE	1.25	85.08	87.00	385142	16.23	4.46	1.1	0.4
100YR2HR	BASIN-6	BASE	1.50	85.10	87.00	385753	12.90	4.46	1.4	0.4
100YR2HR	BASIN-6	BASE	1.75	85.12	87.00	386191	10.47	4.47	1.6	0.5
100YR2HR	BASIN-6	BASE	2.00	85.13	87.00	386493	8.45	4.47	1.8	0.6
100YR2HR	BASIN-6	BASE	2.25	85.14	87.00	386669	6.12	4.48	2.0	0.7
100YR2HR	BASIN-6	BASE	2.50	85.14	87.00	386697	3.90	4.48	2.1	0.8
100YR2HR	BASIN-6	BASE	2.75	85.14	87.00	386613	2.35	4.47	2.1	0.9
100YR2HR	BASIN-6	BASE	3.00	85.13	87.00	386451	1.34	4.47	2.2	1.0
100YR2HR	BASIN-6	BASE	3.25	85.12	87.00	386240	0.70	4.47	2.2	1.1
100YR2HR	BASIN-6	BASE	3.50	85.11	87.00	386000	0.36	4.47	2.2	1.2
100YR2HR	BASIN-6	BASE	3.75	85.10	87.00	385744	0.17	4.46	2.2	1.3
100YR2HR	BASIN-6	BASE	4.00	85.09	87.00	385478	0.06	4.46	2.2	1.4
100YR2HR	BASIN-6	BASE	4.25	85.08	87.00	385209	0.01	4.46	2.2	1.5
100YR2HR	BASIN-6	BASE	4.50	85.07	87.00	384937	0.00	4.46	2.2	1.6
100YR2HR	BASIN-6	BASE	4.75	85.06	87.00	384665	0.00	4.45	2.2	1.6
100YR2HR	BASIN-6	BASE	5.00	85.05	87.00	384393	0.00	4.45	2.2	1.7
100YR2HR	BASIN-6	BASE	5.25	85.04	87.00	384122	0.00	4.45	2.2	1.8
100YR2HR	BASIN-6	BASE	5.50	85.03	87.00	383850	0.00	4.44	2.2	1.9
100YR2HR	BASIN-6	BASE	5.75	85.02	87.00	383578	0.00	4.44	2.2	2.0
100YR2HR	BASIN-6	BASE	6.00	85.01	87.00	383306	0.00	4.44	2.2	2.1
100YR2HR	BASIN-6	BASE	6.25	85.00	87.00	383034	0.00	4.43	2.2	2.2
100YR2HR	BASIN-6	BASE	6.50	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	6.75	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	7.00	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	7.25	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	7.50	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	7.75	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	8.00	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	8.25	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	8.50	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	8.75	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	9.00	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	9.25	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	9.50	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	9.75	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	10.00	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	10.25	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	10.50	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	10.75	85.00	87.00	383023	0.00	0.00	2.2	2.2

100YR2HR BASIN 6 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-7	BASE	3.75	78.26	80.00	316825	1.11	3.67	2.9	1.0
100YR2HR	BASIN-7	BASE	4.00	78.25	80.00	316645	0.58	3.66	3.0	1.1
100YR2HR	BASIN-7	BASE	4.25	78.25	80.00	316440	0.30	3.66	3.0	1.2
100YR2HR	BASIN-7	BASE	4.50	78.24	80.00	316222	0.15	3.66	3.0	1.3
100YR2HR	BASIN-7	BASE	4.75	78.23	80.00	315996	0.06	3.66	3.0	1.3
100YR2HR	BASIN-7	BASE	5.00	78.22	80.00	315766	0.02	3.65	3.0	1.4
100YR2HR	BASIN-7	BASE	5.25	78.20	80.00	315535	0.00	3.65	3.0	1.5
100YR2HR	BASIN-7	BASE	5.50	78.19	80.00	315303	0.00	3.65	3.0	1.6
100YR2HR	BASIN-7	BASE	5.75	78.18	80.00	315070	0.00	3.65	3.0	1.6
100YR2HR	BASIN-7	BASE	6.00	78.17	80.00	314839	0.00	3.64	3.0	1.7
100YR2HR	BASIN-7	BASE	6.25	78.16	80.00	314606	0.00	3.64	3.0	1.8
100YR2HR	BASIN-7	BASE	6.50	78.15	80.00	314374	0.00	3.64	3.0	1.9
100YR2HR	BASIN-7	BASE	6.75	78.14	80.00	314142	0.00	3.64	3.0	1.9
100YR2HR	BASIN-7	BASE	7.00	78.13	80.00	313910	0.00	3.63	3.0	2.0
100YR2HR	BASIN-7	BASE	7.25	78.12	80.00	313677	0.00	3.63	3.0	2.1
100YR2HR	BASIN-7	BASE	7.50	78.11	80.00	313445	0.00	3.63	3.0	2.2
100YR2HR	BASIN-7	BASE	7.75	78.10	80.00	313213	0.00	3.63	3.0	2.2
100YR2HR	BASIN-7	BASE	8.00	78.09	80.00	312981	0.00	3.62	3.0	2.3
100YR2HR	BASIN-7	BASE	8.25	78.08	80.00	312749	0.00	3.62	3.0	2.4
100YR2HR	BASIN-7	BASE	8.50	78.07	80.00	312517	0.00	3.62	3.0	2.5
100YR2HR	BASIN-7	BASE	8.75	78.06	80.00	312284	0.00	3.61	3.0	2.5
100YR2HR	BASIN-7	BASE	9.00	78.05	80.00	312052	0.00	3.61	3.0	2.6
100YR2HR	BASIN-7	BASE	9.25	78.04	80.00	311820	0.00	3.61	3.0	2.7
100YR2HR	BASIN-7	BASE	9.50	78.03	80.00	311588	0.00	3.61	3.0	2.8
100YR2HR	BASIN-7	BASE	9.75	78.02	80.00	311356	0.00	3.60	3.0	2.8
100YR2HR	BASIN-7	BASE	10.00	78.01	80.00	311123	0.00	3.60	3.0	2.9
100YR2HR	BASIN-7	BASE	10.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	10.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	10.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	11.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	11.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	11.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	11.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	12.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	12.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	12.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	12.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	13.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	13.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	13.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	13.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	14.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	14.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	14.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	14.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	15.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	15.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	15.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	15.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	16.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	16.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	16.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	16.75	78.00	80.00	310970	0.00	0.00	3.0	3.0

100YR2HR BASIN 7 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-7	BASE	719.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	719.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	719.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	720.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	720.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	720.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	720.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	721.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	721.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	721.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	721.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	722.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	722.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-8	BASE	0.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
100YR2HR	BASIN-8	BASE	0.25	86.00	87.00	26706	0.41	0.39	0.0	0.0
100YR2HR	BASIN-8	BASE	0.50	86.01	87.00	26899	1.37	1.08	0.0	0.0
100YR2HR	BASIN-8	BASE	0.75	86.02	87.00	27413	2.35	1.77	0.1	0.0
100YR2HR	BASIN-8	BASE	1.00	86.04	87.00	28055	2.64	2.33	0.1	0.1
100YR2HR	BASIN-8	BASE	1.25	86.04	87.00	27993	1.97	2.29	0.2	0.1
100YR2HR	BASIN-8	BASE	1.50	86.02	87.00	27538	1.49	1.90	0.2	0.2
100YR2HR	BASIN-8	BASE	1.75	86.01	87.00	27121	1.14	1.43	0.2	0.2
100YR2HR	BASIN-8	BASE	2.00	86.00	87.00	26849	0.80	0.97	0.2	0.2
100YR2HR	BASIN-8	BASE	2.25	86.00	87.00	26716	0.45	0.50	0.3	0.3
100YR2HR	BASIN-8	BASE	2.50	86.00	87.00	26707	0.21	0.22	0.3	0.3
100YR2HR	BASIN-8	BASE	2.75	86.00	87.00	26705	0.11	0.11	0.3	0.3
100YR2HR	BASIN-8	BASE	3.00	86.00	87.00	26704	0.05	0.02	0.3	0.3
100YR2HR	BASIN-8	BASE	3.25	86.00	87.00	115	0.02	-0.60	0.3	0.3
100YR2HR	BASIN-8	BASE	3.50	86.00	87.00	115	0.00	-0.61	0.3	0.2
100YR2HR	BASIN-8	BASE	3.75	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	4.00	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	4.25	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	4.50	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	4.75	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	5.00	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	5.25	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	5.50	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	5.75	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	6.00	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	6.25	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	6.50	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	6.75	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	7.00	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	7.25	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	7.50	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR2HR	BASIN-8	BASE	7.75	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR2HR	BASIN-8	BASE	8.00	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR2HR	BASIN-8	BASE	8.25	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR2HR	BASIN-8	BASE	8.50	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR2HR	BASIN-8	BASE	8.75	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR2HR	BASIN-8	BASE	9.00	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR2HR	BASIN-8	BASE	9.25	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR2HR	BASIN-8	BASE	9.50	86.00	87.00	115	0.00	-0.62	0.3	-0.1

100YR2HR BASIN 8 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-9	BASE	2.50	77.19	79.75	154892	1.42	1.79	1.0	0.3
100YR2HR	BASIN-9	BASE	2.75	77.19	79.75	154829	0.77	1.79	1.0	0.4
100YR2HR	BASIN-9	BASE	3.00	77.18	79.75	154721	0.39	1.79	1.0	0.4
100YR2HR	BASIN-9	BASE	3.25	77.17	79.75	154591	0.20	1.79	1.1	0.4
100YR2HR	BASIN-9	BASE	3.50	77.16	79.75	154446	0.09	1.79	1.1	0.5
100YR2HR	BASIN-9	BASE	3.75	77.15	79.75	154295	0.03	1.79	1.1	0.5
100YR2HR	BASIN-9	BASE	4.00	77.14	79.75	154140	0.01	1.78	1.1	0.6
100YR2HR	BASIN-9	BASE	4.25	77.13	79.75	153984	0.00	1.78	1.1	0.6
100YR2HR	BASIN-9	BASE	4.50	77.12	79.75	153828	0.00	1.78	1.1	0.6
100YR2HR	BASIN-9	BASE	4.75	77.11	79.75	153672	0.00	1.78	1.1	0.7
100YR2HR	BASIN-9	BASE	5.00	77.10	79.75	153515	0.00	1.78	1.1	0.7
100YR2HR	BASIN-9	BASE	5.25	77.09	79.75	153359	0.00	1.77	1.1	0.7
100YR2HR	BASIN-9	BASE	5.50	77.08	79.75	153203	0.00	1.77	1.1	0.8
100YR2HR	BASIN-9	BASE	5.75	77.07	79.75	153046	0.00	1.77	1.1	0.8
100YR2HR	BASIN-9	BASE	6.00	77.06	79.75	152890	0.00	1.77	1.1	0.9
100YR2HR	BASIN-9	BASE	6.25	77.05	79.75	152734	0.00	1.77	1.1	0.9
100YR2HR	BASIN-9	BASE	6.50	77.04	79.75	152578	0.00	1.77	1.1	0.9
100YR2HR	BASIN-9	BASE	6.75	77.03	79.75	152421	0.00	1.76	1.1	1.0
100YR2HR	BASIN-9	BASE	7.00	77.02	79.75	152265	0.00	1.76	1.1	1.0
100YR2HR	BASIN-9	BASE	7.25	77.01	79.75	152109	0.00	1.76	1.1	1.0
100YR2HR	BASIN-9	BASE	7.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	7.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	8.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	8.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	8.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	8.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	9.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	9.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	9.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	9.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	10.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	10.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	10.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	10.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	11.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	11.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	11.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	11.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	12.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	12.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	12.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	12.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	13.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	13.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	13.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	13.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	14.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	14.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	14.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	14.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	15.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	15.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	15.50	77.00	79.75	152007	0.00	0.00	1.1	1.1

100YR2HR BASIN 9 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-1	BASE	20.50	84.10	86.00	5860	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	20.58	84.10	86.00	5825	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	20.67	84.10	86.00	5791	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	20.75	84.09	86.00	5757	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	20.83	84.09	86.00	5723	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	20.92	84.09	86.00	5689	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	21.00	84.08	86.00	5655	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	21.08	84.08	86.00	5621	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	21.17	84.08	86.00	5586	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.25	84.07	86.00	5552	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.33	84.07	86.00	5518	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.42	84.07	86.00	5484	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.50	84.06	86.00	5450	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.58	84.06	86.00	5416	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.67	84.06	86.00	5381	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.75	84.05	86.00	5347	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.83	84.05	86.00	5313	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.92	84.05	86.00	5279	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.00	84.04	86.00	5245	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.08	84.04	86.00	5210	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.17	84.04	86.00	5176	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.25	84.03	86.00	5142	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.33	84.03	86.00	5108	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.42	84.02	86.00	5074	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.50	84.02	86.00	5040	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.58	84.02	86.00	5006	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.67	84.01	86.00	4971	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.75	84.01	86.00	4937	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.83	84.01	86.00	4903	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.92	84.00	86.00	4869	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	23.00	84.00	86.00	4835	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	23.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.00	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.83	84.00	86.00	4831	0.00	0.00	0.2	0.2

100YR4HR BASIN 1 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-10	BASE	70.08	72.07	79.00	12270	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.17	72.07	79.00	12179	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.25	72.06	79.00	12087	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.33	72.06	79.00	11995	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.42	72.06	79.00	11903	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.50	72.05	79.00	11811	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.58	72.05	79.00	11719	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.67	72.05	79.00	11627	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	70.75	72.04	79.00	11535	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	70.83	72.04	79.00	11443	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	70.92	72.04	79.00	11352	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.00	72.03	79.00	11260	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.08	72.03	79.00	11168	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.17	72.03	79.00	11076	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.25	72.02	79.00	10984	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.33	72.02	79.00	10892	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.42	72.01	79.00	10800	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.50	72.01	79.00	10709	0.00	0.12	4.2	4.2
100YR4HR	BASIN-10	BASE	71.58	72.01	79.00	10617	0.00	0.12	4.2	4.2
100YR4HR	BASIN-10	BASE	71.67	72.00	79.00	10525	0.00	0.12	4.2	4.2
100YR4HR	BASIN-10	BASE	71.75	72.00	79.00	10433	0.00	0.12	4.2	4.2
100YR4HR	BASIN-10	BASE	71.83	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	71.92	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.00	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.08	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.17	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.25	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.33	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.42	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.50	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.58	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.67	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.75	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.83	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.92	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.00	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.08	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.17	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.25	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.33	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.42	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.50	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.58	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.67	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.75	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.83	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.92	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	74.00	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	74.08	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	74.17	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	74.25	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	74.33	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	74.42	72.00	79.00	10411	0.00	0.00	4.2	4.2

100YR4HR BASIN 10 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-11	BASE	0.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	0.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	0.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	0.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	0.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	0.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	0.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.75	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	1.83	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	1.92	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.00	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.08	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.17	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.25	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.33	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.42	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.50	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	2.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	2.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	2.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	2.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.84	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.75	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR4HR BASIN 11 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-12	BASE	23.50	82.06	84.00	19103	0.00	0.22	1.1	1.1
100YR4HR	BASIN-12	BASE	23.58	82.05	84.00	18855	0.00	0.22	1.1	1.1
100YR4HR	BASIN-12	BASE	23.67	82.05	84.00	18607	0.00	0.22	1.1	1.1
100YR4HR	BASIN-12	BASE	23.75	82.05	84.00	18359	0.00	0.21	1.1	1.1
100YR4HR	BASIN-12	BASE	23.83	82.04	84.00	18110	0.00	0.21	1.1	1.1
100YR4HR	BASIN-12	BASE	23.92	82.04	84.00	17864	0.00	0.21	1.1	1.1
100YR4HR	BASIN-12	BASE	24.00	82.04	84.00	17616	0.00	0.20	1.1	1.1
100YR4HR	BASIN-12	BASE	24.08	82.03	84.00	17368	0.00	0.20	1.1	1.1
100YR4HR	BASIN-12	BASE	24.17	82.03	84.00	17119	0.00	0.20	1.1	1.1
100YR4HR	BASIN-12	BASE	24.25	82.03	84.00	16871	0.00	0.20	1.1	1.1
100YR4HR	BASIN-12	BASE	24.33	82.02	84.00	16623	0.00	0.19	1.1	1.1
100YR4HR	BASIN-12	BASE	24.42	82.02	84.00	16375	0.00	0.19	1.1	1.1
100YR4HR	BASIN-12	BASE	24.50	82.02	84.00	16127	0.00	0.19	1.1	1.1
100YR4HR	BASIN-12	BASE	24.58	82.01	84.00	15879	0.00	0.18	1.1	1.1
100YR4HR	BASIN-12	BASE	24.67	82.01	84.00	15631	0.00	0.18	1.1	1.1
100YR4HR	BASIN-12	BASE	24.75	82.00	84.00	15384	0.00	0.18	1.1	1.1
100YR4HR	BASIN-12	BASE	24.83	82.00	84.00	15136	0.00	0.18	1.1	1.1
100YR4HR	BASIN-12	BASE	24.92	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.00	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.08	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.17	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.25	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.33	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.42	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.50	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.58	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.67	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.75	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.83	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.92	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.00	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.08	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.17	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.25	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.33	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.42	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.50	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.58	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.67	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.75	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.83	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.92	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.00	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.08	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.17	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.25	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.33	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.42	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.50	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.58	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.67	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.75	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.83	82.00	84.00	15050	0.00	0.00	1.1	1.1

100YR4HR BASIN 12 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-13	BASE	59.83	80.16	89.00	693	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	59.92	80.16	89.00	692	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.00	80.15	89.00	690	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.08	80.15	89.00	689	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.17	80.15	89.00	688	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.25	80.14	89.00	686	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.33	80.14	89.00	685	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.42	80.14	89.00	683	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.50	80.13	89.00	682	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.58	80.13	89.00	680	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.67	80.12	89.00	679	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.75	80.12	89.00	678	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.83	80.12	89.00	676	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.92	80.11	89.00	675	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.00	80.11	89.00	673	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.08	80.11	89.00	672	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.17	80.10	89.00	670	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.25	80.10	89.00	669	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.33	80.10	89.00	667	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.42	80.09	89.00	666	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.50	80.09	89.00	665	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.58	80.09	89.00	663	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.67	80.08	89.00	662	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.75	80.08	89.00	660	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.83	80.08	89.00	659	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.92	80.07	89.00	657	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.00	80.07	89.00	656	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.08	80.07	89.00	655	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.17	80.06	89.00	653	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.25	80.06	89.00	652	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.33	80.06	89.00	650	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.42	80.05	89.00	649	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.50	80.05	89.00	647	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.58	80.05	89.00	646	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.67	80.04	89.00	644	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.75	80.04	89.00	643	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.83	80.03	89.00	642	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.92	80.03	89.00	640	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.00	80.03	89.00	639	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.08	80.02	89.00	637	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.17	80.02	89.00	636	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.25	80.02	89.00	634	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.33	80.01	89.00	633	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.42	80.01	89.00	632	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.50	80.01	89.00	630	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.58	80.00	89.00	629	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR4HR	BASIN-13	BASE	63.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR4HR	BASIN-13	BASE	63.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR4HR	BASIN-13	BASE	63.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR4HR	BASIN-13	BASE	64.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR4HR	BASIN-13	BASE	64.08	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR4HR	BASIN-13	BASE	64.17	80.00	89.00	627	0.00	0.00	0.1	0.1

100YR4HR BASIN 13 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-14	BASE	65.25	75.13	84.00	314	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.33	75.13	84.00	308	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.42	75.13	84.00	303	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.50	75.12	84.00	298	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.58	75.12	84.00	292	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.67	75.12	84.00	287	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.75	75.11	84.00	282	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.83	75.11	84.00	276	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.92	75.11	84.00	271	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.00	75.10	84.00	266	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.08	75.10	84.00	261	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.17	75.10	84.00	255	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.25	75.09	84.00	250	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.33	75.09	84.00	245	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.42	75.09	84.00	239	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.50	75.08	84.00	234	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.58	75.08	84.00	229	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.67	75.07	84.00	223	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.75	75.07	84.00	218	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.83	75.07	84.00	213	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.92	75.06	84.00	207	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.00	75.06	84.00	202	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.08	75.06	84.00	197	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.17	75.05	84.00	192	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.25	75.05	84.00	186	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.33	75.05	84.00	181	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.42	75.04	84.00	176	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.50	75.04	84.00	170	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.58	75.04	84.00	165	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.67	75.03	84.00	160	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.75	75.03	84.00	154	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.83	75.03	84.00	149	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.92	75.02	84.00	144	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.00	75.02	84.00	138	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.08	75.02	84.00	133	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.17	75.01	84.00	128	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.25	75.01	84.00	123	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.33	75.01	84.00	117	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.58	75.00	84.00	113	0.00	0.00	0.2	0.2

100YR4HR BASIN 14 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-15	BASE	0.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.33	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.58	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	0.67	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	0.75	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	0.83	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	0.92	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	1.00	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	1.08	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	1.17	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	1.25	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	1.33	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	1.42	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	1.50	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	1.58	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	1.67	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	1.75	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	1.83	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	1.92	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.00	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.08	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.17	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.25	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.33	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.42	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.50	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.58	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	2.67	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	2.75	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	2.83	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	2.92	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	3.00	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	3.08	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	3.17	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	3.25	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	3.33	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.42	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.50	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.58	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.67	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.75	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.84	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	4.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	4.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	4.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	4.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	4.33	83.00	84.75	29686	0.00	0.00	0.0	0.0

100YR4HR BASIN 15 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-2	BASE	98.17	47.50	84.25	2534	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.25	47.50	84.25	2534	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.33	47.50	84.25	2534	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.42	47.50	84.25	2533	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.50	47.50	84.25	2533	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.58	47.50	84.25	2533	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.67	47.50	84.25	2533	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.75	47.50	84.25	2532	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.83	47.50	84.25	2532	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.92	47.50	84.25	2532	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.00	47.49	84.25	2531	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.08	47.49	84.25	2531	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.17	47.49	84.25	2531	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.25	47.49	84.25	2531	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.33	47.49	84.25	2530	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.42	47.49	84.25	2530	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.50	47.49	84.25	2530	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.58	47.49	84.25	2530	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.67	47.49	84.25	2529	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.75	47.49	84.25	2529	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.83	47.48	84.25	2529	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.92	47.48	84.25	2529	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	100.00	47.48	84.25	2528	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	100.08	47.48	84.25	2528	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	100.17	47.48	84.25	2528	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	100.25	47.48	84.25	2527	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	100.33	47.48	84.25	2527	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	100.33	47.48	84.25	2527	0.00	0.01	1.0	0.8
100YR4HR	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR4HR	BASIN-3	BASE	0.08	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR4HR	BASIN-3	BASE	0.17	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR4HR	BASIN-3	BASE	0.25	80.00	88.00	105790	0.06	0.06	0.0	0.0
100YR4HR	BASIN-3	BASE	0.33	80.00	88.00	105790	0.31	0.31	0.0	0.0
100YR4HR	BASIN-3	BASE	0.42	80.00	88.00	105791	0.86	0.86	0.0	0.0
100YR4HR	BASIN-3	BASE	0.50	80.00	88.00	105816	1.66	1.22	0.0	0.0
100YR4HR	BASIN-3	BASE	0.58	80.00	88.00	106011	2.65	1.23	0.0	0.0
100YR4HR	BASIN-3	BASE	0.67	80.01	88.00	106436	3.87	1.23	0.1	0.0
100YR4HR	BASIN-3	BASE	0.75	80.02	88.00	107149	5.46	1.24	0.1	0.0
100YR4HR	BASIN-3	BASE	0.83	80.03	88.00	108203	7.26	1.25	0.1	0.0
100YR4HR	BASIN-3	BASE	0.92	80.05	88.00	109583	8.94	1.27	0.2	0.1
100YR4HR	BASIN-3	BASE	1.00	80.07	88.00	111276	10.45	1.29	0.2	0.1
100YR4HR	BASIN-3	BASE	1.08	80.10	88.00	113235	11.96	1.31	0.3	0.1
100YR4HR	BASIN-3	BASE	1.17	80.13	88.00	115466	13.67	1.34	0.4	0.1
100YR4HR	BASIN-3	BASE	1.25	80.17	88.00	118016	15.86	1.37	0.5	0.1
100YR4HR	BASIN-3	BASE	1.33	80.20	88.00	120907	18.34	1.40	0.6	0.1
100YR4HR	BASIN-3	BASE	1.42	80.25	88.00	124188	20.72	1.44	0.8	0.1
100YR4HR	BASIN-3	BASE	1.50	80.30	88.00	127769	22.83	1.48	0.9	0.1
100YR4HR	BASIN-3	BASE	1.58	80.35	88.00	131594	24.86	1.52	1.1	0.1
100YR4HR	BASIN-3	BASE	1.67	80.40	88.00	135649	27.04	1.57	1.3	0.1
100YR4HR	BASIN-3	BASE	1.75	80.46	88.00	139909	29.60	1.62	1.5	0.2
100YR4HR	BASIN-3	BASE	1.83	80.52	88.00	144498	32.47	1.67	1.7	0.2
100YR4HR	BASIN-3	BASE	1.92	80.59	88.00	149357	35.22	1.73	1.9	0.2

100YR4HR BASIN 2 POST RECOVERY

100YR4HR BASIN-3 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-3	BASE	50.58	80.01	88.00	106657	0.00	1.23	8.6	8.5
100YR4HR	BASIN-3	BASE	50.67	80.01	88.00	106400	0.00	1.23	8.6	8.5
100YR4HR	BASIN-3	BASE	50.75	80.00	88.00	106144	0.00	1.23	8.6	8.5
100YR4HR	BASIN-3	BASE	50.83	80.00	88.00	105887	0.00	1.23	8.6	8.5
100YR4HR	BASIN-3	BASE	50.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.00	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.08	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.17	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.25	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.33	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.42	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.50	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.58	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.67	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.75	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.83	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.00	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.08	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.17	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.25	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.33	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.42	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.50	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.58	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.67	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.75	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.83	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.00	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.08	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.17	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.25	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.33	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.42	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.50	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.58	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.67	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.75	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.83	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.00	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.08	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.17	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.25	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.33	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.42	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.50	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.58	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.67	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.75	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.83	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.92	80.00	88.00	105790	0.00	0.00	8.6	8.6

Alachua Solar Post-Development Recovery Analysis

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-4	BASE	3.00	85.11	87.00	197298	5.44	2.28	0.9	0.4
100YR4HR	BASIN-4	BASE	3.08	85.11	87.00	197384	5.24	2.28	0.9	0.4
100YR4HR	BASIN-4	BASE	3.17	85.11	87.00	197463	4.92	2.29	1.0	0.5
100YR4HR	BASIN-4	BASE	3.25	85.12	87.00	197531	4.48	2.29	1.0	0.5
100YR4HR	BASIN-4	BASE	3.33	85.12	87.00	197587	4.03	2.29	1.0	0.5
100YR4HR	BASIN-4	BASE	3.42	85.12	87.00	197631	3.64	2.29	1.1	0.5
100YR4HR	BASIN-4	BASE	3.50	85.12	87.00	197664	3.33	2.29	1.1	0.5
100YR4HR	BASIN-4	BASE	3.58	85.13	87.00	197690	3.05	2.29	1.1	0.5
100YR4HR	BASIN-4	BASE	3.67	85.13	87.00	197707	2.76	2.29	1.1	0.5
100YR4HR	BASIN-4	BASE	3.75	85.13	87.00	197716	2.45	2.29	1.1	0.6
100YR4HR	BASIN-4	BASE	3.84	85.13	87.00	197716	2.16	2.29	1.2	0.6
100YR4HR	BASIN-4	BASE	3.92	85.13	87.00	197709	1.92	2.29	1.2	0.6
100YR4HR	BASIN-4	BASE	4.00	85.13	87.00	197696	1.71	2.29	1.2	0.6
100YR4HR	BASIN-4	BASE	4.08	85.13	87.00	197677	1.53	2.29	1.2	0.6
100YR4HR	BASIN-4	BASE	4.17	85.12	87.00	197653	1.34	2.29	1.2	0.6
100YR4HR	BASIN-4	BASE	4.25	85.12	87.00	197624	1.13	2.29	1.2	0.7
100YR4HR	BASIN-4	BASE	4.33	85.12	87.00	197589	0.95	2.29	1.2	0.7
100YR4HR	BASIN-4	BASE	4.42	85.12	87.00	197549	0.79	2.29	1.2	0.7
100YR4HR	BASIN-4	BASE	4.50	85.12	87.00	197505	0.65	2.29	1.2	0.7
100YR4HR	BASIN-4	BASE	4.58	85.11	87.00	197457	0.54	2.29	1.2	0.7
100YR4HR	BASIN-4	BASE	4.67	85.11	87.00	197407	0.44	2.28	1.2	0.7
100YR4HR	BASIN-4	BASE	4.75	85.11	87.00	197354	0.36	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	4.83	85.11	87.00	197299	0.30	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	4.92	85.10	87.00	197242	0.24	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	5.00	85.10	87.00	197184	0.20	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	5.08	85.10	87.00	197125	0.16	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	5.17	85.09	87.00	197064	0.12	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	5.25	85.09	87.00	197003	0.10	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	5.33	85.09	87.00	196941	0.08	2.28	1.2	0.9
100YR4HR	BASIN-4	BASE	5.42	85.08	87.00	196879	0.06	2.28	1.2	0.9
100YR4HR	BASIN-4	BASE	5.50	85.08	87.00	196816	0.05	2.28	1.2	0.9
100YR4HR	BASIN-4	BASE	5.58	85.08	87.00	196753	0.03	2.28	1.2	0.9
100YR4HR	BASIN-4	BASE	5.67	85.07	87.00	196689	0.02	2.28	1.2	0.9
100YR4HR	BASIN-4	BASE	5.75	85.07	87.00	196625	0.02	2.28	1.2	0.9
100YR4HR	BASIN-4	BASE	5.83	85.07	87.00	196562	0.01	2.28	1.2	1.0
100YR4HR	BASIN-4	BASE	5.92	85.06	87.00	196498	0.01	2.27	1.2	1.0
100YR4HR	BASIN-4	BASE	6.00	85.06	87.00	196433	0.01	2.27	1.3	1.0
100YR4HR	BASIN-4	BASE	6.08	85.06	87.00	196369	0.00	2.27	1.3	1.0
100YR4HR	BASIN-4	BASE	6.17	85.05	87.00	196305	0.00	2.27	1.3	1.0
100YR4HR	BASIN-4	BASE	6.25	85.05	87.00	196240	0.00	2.27	1.3	1.0
100YR4HR	BASIN-4	BASE	6.33	85.04	87.00	196176	0.00	2.27	1.3	1.0
100YR4HR	BASIN-4	BASE	6.42	85.04	87.00	196112	0.00	2.27	1.3	1.1
100YR4HR	BASIN-4	BASE	6.50	85.04	87.00	196047	0.00	2.27	1.3	1.1
100YR4HR	BASIN-4	BASE	6.58	85.03	87.00	195983	0.00	2.27	1.3	1.1
100YR4HR	BASIN-4	BASE	6.67	85.03	87.00	195919	0.00	2.27	1.3	1.1
100YR4HR	BASIN-4	BASE	6.75	85.03	87.00	195855	0.00	2.27	1.3	1.1
100YR4HR	BASIN-4	BASE	6.83	85.02	87.00	195790	0.00	2.27	1.3	1.1
100YR4HR	BASIN-4	BASE	6.92	85.02	87.00	195726	0.00	2.27	1.3	1.2
100YR4HR	BASIN-4	BASE	7.00	85.02	87.00	195662	0.00	2.26	1.3	1.2
100YR4HR	BASIN-4	BASE	7.08	85.01	87.00	195597	0.00	2.26	1.3	1.2
100YR4HR	BASIN-4	BASE	7.17	85.01	87.00	195533	0.00	2.26	1.3	1.2
100YR4HR	BASIN-4	BASE	7.25	85.01	87.00	195468	0.00	2.26	1.3	1.2
100YR4HR	BASIN-4	BASE	7.33	85.00	87.00	195404	0.00	2.26	1.3	1.2

100YR4HR BASIN 4 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-5	BASE	17.25	87.11	89.00	483442	0.00	5.60	9.0	7.8
100YR4HR	BASIN-5	BASE	17.33	87.11	89.00	483298	0.00	5.59	9.0	7.8
100YR4HR	BASIN-5	BASE	17.42	87.10	89.00	483153	0.00	5.59	9.0	7.9
100YR4HR	BASIN-5	BASE	17.50	87.10	89.00	483008	0.00	5.59	9.0	7.9
100YR4HR	BASIN-5	BASE	17.58	87.09	89.00	482863	0.00	5.59	9.0	8.0
100YR4HR	BASIN-5	BASE	17.67	87.09	89.00	482718	0.00	5.59	9.0	8.0
100YR4HR	BASIN-5	BASE	17.75	87.09	89.00	482573	0.00	5.59	9.0	8.0
100YR4HR	BASIN-5	BASE	17.83	87.08	89.00	482428	0.00	5.58	9.0	8.1
100YR4HR	BASIN-5	BASE	17.92	87.08	89.00	482284	0.00	5.58	9.0	8.1
100YR4HR	BASIN-5	BASE	18.00	87.08	89.00	482139	0.00	5.58	9.0	8.2
100YR4HR	BASIN-5	BASE	18.08	87.07	89.00	481994	0.00	5.58	9.0	8.2
100YR4HR	BASIN-5	BASE	18.17	87.07	89.00	481850	0.00	5.58	9.0	8.2
100YR4HR	BASIN-5	BASE	18.25	87.07	89.00	481705	0.00	5.58	9.0	8.3
100YR4HR	BASIN-5	BASE	18.33	87.06	89.00	481560	0.00	5.57	9.0	8.3
100YR4HR	BASIN-5	BASE	18.42	87.06	89.00	481415	0.00	5.57	9.0	8.3
100YR4HR	BASIN-5	BASE	18.50	87.06	89.00	481271	0.00	5.57	9.0	8.4
100YR4HR	BASIN-5	BASE	18.58	87.05	89.00	481126	0.00	5.57	9.0	8.4
100YR4HR	BASIN-5	BASE	18.67	87.05	89.00	480981	0.00	5.57	9.0	8.5
100YR4HR	BASIN-5	BASE	18.75	87.05	89.00	480836	0.00	5.57	9.0	8.5
100YR4HR	BASIN-5	BASE	18.83	87.04	89.00	480691	0.00	5.56	9.0	8.5
100YR4HR	BASIN-5	BASE	18.92	87.04	89.00	480546	0.00	5.56	9.0	8.6
100YR4HR	BASIN-5	BASE	19.00	87.04	89.00	480402	0.00	5.56	9.0	8.6
100YR4HR	BASIN-5	BASE	19.08	87.03	89.00	480257	0.00	5.56	9.0	8.7
100YR4HR	BASIN-5	BASE	19.17	87.03	89.00	480113	0.00	5.56	9.0	8.7
100YR4HR	BASIN-5	BASE	19.25	87.03	89.00	479968	0.00	5.56	9.0	8.7
100YR4HR	BASIN-5	BASE	19.33	87.02	89.00	479823	0.00	5.55	9.0	8.8
100YR4HR	BASIN-5	BASE	19.42	87.02	89.00	479678	0.00	5.55	9.0	8.8
100YR4HR	BASIN-5	BASE	19.50	87.02	89.00	479533	0.00	5.55	9.0	8.8
100YR4HR	BASIN-5	BASE	19.58	87.01	89.00	479388	0.00	5.55	9.0	8.9
100YR4HR	BASIN-5	BASE	19.67	87.01	89.00	479244	0.00	5.55	9.0	8.9
100YR4HR	BASIN-5	BASE	19.75	87.00	89.00	479099	0.00	5.55	9.0	9.0
100YR4HR	BASIN-5	BASE	19.83	87.00	89.00	478955	0.00	5.54	9.0	9.0
100YR4HR	BASIN-5	BASE	19.92	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.00	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.08	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.17	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.25	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.33	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.42	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.50	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.58	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.67	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.75	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.83	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.92	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.00	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.08	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.17	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.25	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.33	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.42	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.50	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.58	87.00	89.00	478907	0.00	0.00	9.0	9.0

100YR4HR BASIN 5 POST RECOVERY

Alachua Solar Post-Development Recovery Analysis

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-6	BASE	5.00	85.13	87.00	386488	0.59	4.47	2.7	1.6
100YR4HR	BASIN-6	BASE	5.08	85.13	87.00	386408	0.48	4.47	2.7	1.6
100YR4HR	BASIN-6	BASE	5.17	85.13	87.00	386326	0.39	4.47	2.7	1.6
100YR4HR	BASIN-6	BASE	5.25	85.12	87.00	386243	0.32	4.47	2.8	1.7
100YR4HR	BASIN-6	BASE	5.33	85.12	87.00	386158	0.25	4.47	2.8	1.7
100YR4HR	BASIN-6	BASE	5.42	85.12	87.00	386072	0.20	4.47	2.8	1.7
100YR4HR	BASIN-6	BASE	5.50	85.11	87.00	385984	0.15	4.47	2.8	1.8
100YR4HR	BASIN-6	BASE	5.58	85.11	87.00	385897	0.12	4.47	2.8	1.8
100YR4HR	BASIN-6	BASE	5.67	85.11	87.00	385808	0.09	4.47	2.8	1.8
100YR4HR	BASIN-6	BASE	5.75	85.10	87.00	385719	0.07	4.46	2.8	1.8
100YR4HR	BASIN-6	BASE	5.83	85.10	87.00	385630	0.05	4.46	2.8	1.9
100YR4HR	BASIN-6	BASE	5.92	85.10	87.00	385540	0.04	4.46	2.8	1.9
100YR4HR	BASIN-6	BASE	6.00	85.09	87.00	385450	0.03	4.46	2.8	1.9
100YR4HR	BASIN-6	BASE	6.08	85.09	87.00	385360	0.02	4.46	2.8	2.0
100YR4HR	BASIN-6	BASE	6.17	85.09	87.00	385270	0.01	4.46	2.8	2.0
100YR4HR	BASIN-6	BASE	6.25	85.08	87.00	385179	0.01	4.46	2.8	2.0
100YR4HR	BASIN-6	BASE	6.33	85.08	87.00	385089	0.00	4.46	2.8	2.1
100YR4HR	BASIN-6	BASE	6.42	85.08	87.00	384998	0.00	4.46	2.8	2.1
100YR4HR	BASIN-6	BASE	6.50	85.07	87.00	384908	0.00	4.45	2.8	2.1
100YR4HR	BASIN-6	BASE	6.58	85.07	87.00	384817	0.00	4.45	2.8	2.2
100YR4HR	BASIN-6	BASE	6.67	85.07	87.00	384727	0.00	4.45	2.8	2.2
100YR4HR	BASIN-6	BASE	6.75	85.06	87.00	384636	0.00	4.45	2.8	2.2
100YR4HR	BASIN-6	BASE	6.83	85.06	87.00	384545	0.00	4.45	2.8	2.2
100YR4HR	BASIN-6	BASE	6.92	85.05	87.00	384455	0.00	4.45	2.8	2.3
100YR4HR	BASIN-6	BASE	7.00	85.05	87.00	384364	0.00	4.45	2.8	2.3
100YR4HR	BASIN-6	BASE	7.08	85.05	87.00	384273	0.00	4.45	2.8	2.3
100YR4HR	BASIN-6	BASE	7.17	85.04	87.00	384183	0.00	4.45	2.8	2.4
100YR4HR	BASIN-6	BASE	7.25	85.04	87.00	384092	0.00	4.45	2.8	2.4
100YR4HR	BASIN-6	BASE	7.33	85.04	87.00	384001	0.00	4.44	2.8	2.4
100YR4HR	BASIN-6	BASE	7.42	85.03	87.00	383911	0.00	4.44	2.8	2.5
100YR4HR	BASIN-6	BASE	7.50	85.03	87.00	383821	0.00	4.44	2.8	2.5
100YR4HR	BASIN-6	BASE	7.58	85.03	87.00	383730	0.00	4.44	2.8	2.5
100YR4HR	BASIN-6	BASE	7.67	85.02	87.00	383639	0.00	4.44	2.8	2.6
100YR4HR	BASIN-6	BASE	7.75	85.02	87.00	383549	0.00	4.44	2.8	2.6
100YR4HR	BASIN-6	BASE	7.83	85.02	87.00	383458	0.00	4.44	2.8	2.6
100YR4HR	BASIN-6	BASE	7.92	85.01	87.00	383367	0.00	4.44	2.8	2.6
100YR4HR	BASIN-6	BASE	8.00	85.01	87.00	383277	0.00	4.44	2.8	2.7
100YR4HR	BASIN-6	BASE	8.08	85.01	87.00	383186	0.00	4.44	2.8	2.7
100YR4HR	BASIN-6	BASE	8.17	85.00	87.00	383095	0.00	4.43	2.8	2.7
100YR4HR	BASIN-6	BASE	8.25	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.33	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.42	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.50	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.58	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.67	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.75	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.83	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.92	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	9.00	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	9.08	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	9.17	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	9.25	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	9.33	85.00	87.00	383023	0.00	0.00	2.8	2.8

100YR4HR BASIN 6 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-7	BASE	10.42	78.11	80.00	313405	0.00	3.63	3.7	2.9
100YR4HR	BASIN-7	BASE	10.50	78.11	80.00	313327	0.00	3.63	3.7	3.0
100YR4HR	BASIN-7	BASE	10.58	78.10	80.00	313250	0.00	3.63	3.7	3.0
100YR4HR	BASIN-7	BASE	10.67	78.10	80.00	313173	0.00	3.62	3.7	3.0
100YR4HR	BASIN-7	BASE	10.75	78.10	80.00	313096	0.00	3.62	3.7	3.0
100YR4HR	BASIN-7	BASE	10.83	78.09	80.00	313018	0.00	3.62	3.7	3.1
100YR4HR	BASIN-7	BASE	10.92	78.09	80.00	312941	0.00	3.62	3.7	3.1
100YR4HR	BASIN-7	BASE	11.00	78.08	80.00	312863	0.00	3.62	3.7	3.1
100YR4HR	BASIN-7	BASE	11.08	78.08	80.00	312786	0.00	3.62	3.7	3.1
100YR4HR	BASIN-7	BASE	11.17	78.08	80.00	312708	0.00	3.62	3.7	3.2
100YR4HR	BASIN-7	BASE	11.25	78.07	80.00	312631	0.00	3.62	3.7	3.2
100YR4HR	BASIN-7	BASE	11.33	78.07	80.00	312554	0.00	3.62	3.7	3.2
100YR4HR	BASIN-7	BASE	11.42	78.07	80.00	312476	0.00	3.62	3.7	3.2
100YR4HR	BASIN-7	BASE	11.50	78.06	80.00	312399	0.00	3.62	3.7	3.3
100YR4HR	BASIN-7	BASE	11.58	78.06	80.00	312322	0.00	3.61	3.7	3.3
100YR4HR	BASIN-7	BASE	11.67	78.06	80.00	312244	0.00	3.61	3.7	3.3
100YR4HR	BASIN-7	BASE	11.75	78.05	80.00	312167	0.00	3.61	3.7	3.3
100YR4HR	BASIN-7	BASE	11.83	78.05	80.00	312089	0.00	3.61	3.7	3.4
100YR4HR	BASIN-7	BASE	11.92	78.05	80.00	312012	0.00	3.61	3.7	3.4
100YR4HR	BASIN-7	BASE	12.00	78.04	80.00	311934	0.00	3.61	3.7	3.4
100YR4HR	BASIN-7	BASE	12.08	78.04	80.00	311857	0.00	3.61	3.7	3.4
100YR4HR	BASIN-7	BASE	12.17	78.04	80.00	311780	0.00	3.61	3.7	3.5
100YR4HR	BASIN-7	BASE	12.25	78.03	80.00	311702	0.00	3.61	3.7	3.5
100YR4HR	BASIN-7	BASE	12.33	78.03	80.00	311625	0.00	3.61	3.7	3.5
100YR4HR	BASIN-7	BASE	12.42	78.03	80.00	311548	0.00	3.61	3.7	3.5
100YR4HR	BASIN-7	BASE	12.50	78.02	80.00	311470	0.00	3.60	3.7	3.6
100YR4HR	BASIN-7	BASE	12.58	78.02	80.00	311393	0.00	3.60	3.7	3.6
100YR4HR	BASIN-7	BASE	12.67	78.02	80.00	311315	0.00	3.60	3.7	3.6
100YR4HR	BASIN-7	BASE	12.75	78.01	80.00	311238	0.00	3.60	3.7	3.6
100YR4HR	BASIN-7	BASE	12.83	78.01	80.00	311160	0.00	3.60	3.7	3.7
100YR4HR	BASIN-7	BASE	12.92	78.01	80.00	311083	0.00	3.60	3.7	3.7
100YR4HR	BASIN-7	BASE	13.00	78.00	80.00	311006	0.00	3.60	3.7	3.7
100YR4HR	BASIN-7	BASE	13.08	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.17	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.25	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.33	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.42	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.50	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.58	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.67	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.75	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.83	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.92	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.00	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.08	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.17	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.25	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.33	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.42	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.50	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.58	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.67	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.75	78.00	80.00	310970	0.00	0.00	3.7	3.7

100YR4HR BASIN 7 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-8	BASE	2.58	86.02	87.00	27448	1.78	1.81	0.2	0.2
100YR4HR	BASIN-8	BASE	2.67	86.02	87.00	27427	1.71	1.79	0.2	0.2
100YR4HR	BASIN-8	BASE	2.75	86.02	87.00	27384	1.61	1.74	0.2	0.2
100YR4HR	BASIN-8	BASE	2.83	86.02	87.00	27327	1.52	1.68	0.2	0.2
100YR4HR	BASIN-8	BASE	2.92	86.02	87.00	27266	1.46	1.61	0.2	0.2
100YR4HR	BASIN-8	BASE	3.00	86.01	87.00	27209	1.41	1.54	0.3	0.3
100YR4HR	BASIN-8	BASE	3.08	86.01	87.00	27154	1.34	1.47	0.3	0.3
100YR4HR	BASIN-8	BASE	3.17	86.01	87.00	27090	1.21	1.39	0.3	0.3
100YR4HR	BASIN-8	BASE	3.25	86.01	87.00	27012	1.06	1.27	0.3	0.3
100YR4HR	BASIN-8	BASE	3.33	86.01	87.00	26930	0.93	1.13	0.3	0.3
100YR4HR	BASIN-8	BASE	3.42	86.00	87.00	26858	0.83	0.99	0.3	0.3
100YR4HR	BASIN-8	BASE	3.50	86.00	87.00	26805	0.75	0.86	0.3	0.3
100YR4HR	BASIN-8	BASE	3.58	86.00	87.00	26770	0.68	0.75	0.3	0.3
100YR4HR	BASIN-8	BASE	3.67	86.00	87.00	26743	0.60	0.65	0.3	0.3
100YR4HR	BASIN-8	BASE	3.75	86.00	87.00	26724	0.51	0.55	0.3	0.3
100YR4HR	BASIN-8	BASE	3.84	86.00	87.00	26712	0.44	0.46	0.3	0.3
100YR4HR	BASIN-8	BASE	3.92	86.00	87.00	26709	0.39	0.39	0.3	0.3
100YR4HR	BASIN-8	BASE	4.00	86.00	87.00	26709	0.34	0.34	0.3	0.3
100YR4HR	BASIN-8	BASE	4.08	86.00	87.00	26708	0.30	0.30	0.3	0.3
100YR4HR	BASIN-8	BASE	4.17	86.00	87.00	26707	0.25	0.25	0.3	0.3
100YR4HR	BASIN-8	BASE	4.25	86.00	87.00	26706	0.20	0.20	0.3	0.3
100YR4HR	BASIN-8	BASE	4.33	86.00	87.00	26706	0.16	0.16	0.3	0.3
100YR4HR	BASIN-8	BASE	4.42	86.00	87.00	26705	0.12	0.12	0.3	0.3
100YR4HR	BASIN-8	BASE	4.50	86.00	87.00	26705	0.10	0.10	0.3	0.3
100YR4HR	BASIN-8	BASE	4.58	86.00	87.00	26705	0.08	0.08	0.3	0.3
100YR4HR	BASIN-8	BASE	4.67	86.00	87.00	26704	0.06	0.06	0.3	0.3
100YR4HR	BASIN-8	BASE	4.75	86.00	87.00	115	0.05	-0.43	0.3	0.3
100YR4HR	BASIN-8	BASE	4.83	86.00	87.00	115	0.04	-0.57	0.3	0.3
100YR4HR	BASIN-8	BASE	4.92	86.00	87.00	115	0.03	-0.60	0.3	0.3
100YR4HR	BASIN-8	BASE	5.00	86.00	87.00	115	0.02	-0.60	0.3	0.3
100YR4HR	BASIN-8	BASE	5.08	86.00	87.00	115	0.02	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.17	86.00	87.00	115	0.01	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.25	86.00	87.00	115	0.01	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.33	86.00	87.00	115	0.01	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.42	86.00	87.00	115	0.00	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.50	86.00	87.00	115	0.00	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.58	86.00	87.00	115	0.00	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.67	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	5.75	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	5.83	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	5.92	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	6.00	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	6.08	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	6.17	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	6.25	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	6.33	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	6.42	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR4HR	BASIN-8	BASE	6.50	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR4HR	BASIN-8	BASE	6.58	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR4HR	BASIN-8	BASE	6.67	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR4HR	BASIN-8	BASE	6.75	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR4HR	BASIN-8	BASE	6.83	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR4HR	BASIN-8	BASE	6.92	86.00	87.00	115	0.00	-0.62	0.3	0.2

100YR4HR BASIN 8 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-9	BASE	8.00	77.07	79.75	153021	0.00	1.77	1.3	1.1
100YR4HR	BASIN-9	BASE	8.08	77.06	79.75	152969	0.00	1.77	1.3	1.1
100YR4HR	BASIN-9	BASE	8.17	77.06	79.75	152917	0.00	1.77	1.3	1.1
100YR4HR	BASIN-9	BASE	8.25	77.06	79.75	152865	0.00	1.77	1.3	1.1
100YR4HR	BASIN-9	BASE	8.33	77.05	79.75	152813	0.00	1.77	1.3	1.1
100YR4HR	BASIN-9	BASE	8.42	77.05	79.75	152761	0.00	1.77	1.3	1.1
100YR4HR	BASIN-9	BASE	8.50	77.05	79.75	152709	0.00	1.77	1.3	1.2
100YR4HR	BASIN-9	BASE	8.58	77.04	79.75	152656	0.00	1.77	1.3	1.2
100YR4HR	BASIN-9	BASE	8.67	77.04	79.75	152604	0.00	1.77	1.3	1.2
100YR4HR	BASIN-9	BASE	8.75	77.04	79.75	152552	0.00	1.77	1.3	1.2
100YR4HR	BASIN-9	BASE	8.83	77.03	79.75	152500	0.00	1.77	1.3	1.2
100YR4HR	BASIN-9	BASE	8.92	77.03	79.75	152448	0.00	1.76	1.3	1.2
100YR4HR	BASIN-9	BASE	9.00	77.03	79.75	152396	0.00	1.76	1.3	1.2
100YR4HR	BASIN-9	BASE	9.08	77.02	79.75	152344	0.00	1.76	1.3	1.2
100YR4HR	BASIN-9	BASE	9.17	77.02	79.75	152292	0.00	1.76	1.3	1.3
100YR4HR	BASIN-9	BASE	9.25	77.02	79.75	152240	0.00	1.76	1.3	1.3
100YR4HR	BASIN-9	BASE	9.33	77.01	79.75	152188	0.00	1.76	1.3	1.3
100YR4HR	BASIN-9	BASE	9.42	77.01	79.75	152136	0.00	1.76	1.3	1.3
100YR4HR	BASIN-9	BASE	9.50	77.01	79.75	152083	0.00	1.76	1.3	1.3
100YR4HR	BASIN-9	BASE	9.58	77.00	79.75	152031	0.00	1.76	1.3	1.3
100YR4HR	BASIN-9	BASE	9.67	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	9.75	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	9.83	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	9.92	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.00	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.08	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.17	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.25	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.33	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.42	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.50	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.58	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.67	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.75	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.83	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.92	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.00	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.08	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.17	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.25	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.33	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.42	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.50	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.58	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.67	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.75	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.83	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.92	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	12.00	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	12.08	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	12.17	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	12.25	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	12.33	77.00	79.75	152007	0.00	0.00	1.3	1.3

100YR4HR BASIN 9 POST RECOVERY

100YR8HR BASIN-1 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-1	BASE	26.67	84.02	86.00	5005	0.00	0.06	0.2	0.2
100YR8HR	BASIN-1	BASE	26.75	84.01	86.00	4971	0.00	0.06	0.2	0.2
100YR8HR	BASIN-1	BASE	26.83	84.01	86.00	4936	0.00	0.06	0.2	0.2
100YR8HR	BASIN-1	BASE	26.92	84.01	86.00	4902	0.00	0.06	0.2	0.2
100YR8HR	BASIN-1	BASE	27.00	84.00	86.00	4868	0.00	0.06	0.2	0.2
100YR8HR	BASIN-1	BASE	27.08	84.00	86.00	4834	0.00	0.06	0.2	0.2
100YR8HR	BASIN-1	BASE	27.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.00	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.00	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.00	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	31.00	84.00	86.00	4831	0.00	0.00	0.2	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-10	BASE	74.00	72.18	79.00	15097	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.08	72.17	79.00	15005	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.17	72.17	79.00	14913	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.25	72.17	79.00	14821	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.33	72.16	79.00	14729	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.42	72.16	79.00	14638	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.50	72.16	79.00	14546	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.58	72.15	79.00	14454	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.67	72.15	79.00	14362	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.75	72.15	79.00	14270	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.83	72.14	79.00	14179	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	74.92	72.14	79.00	14087	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.00	72.14	79.00	13995	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.08	72.13	79.00	13903	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.17	72.13	79.00	13811	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.25	72.13	79.00	13719	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.33	72.12	79.00	13627	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.42	72.12	79.00	13536	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.50	72.11	79.00	13444	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.58	72.11	79.00	13352	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	75.67	72.11	79.00	13260	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	75.75	72.10	79.00	13168	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	75.83	72.10	79.00	13076	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	75.92	72.10	79.00	12984	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	76.00	72.09	79.00	12892	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	76.08	72.09	79.00	12800	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	76.17	72.09	79.00	12709	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	76.25	72.08	79.00	12617	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	76.33	72.08	79.00	12525	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.42	72.08	79.00	12433	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.50	72.07	79.00	12341	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.58	72.07	79.00	12250	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.67	72.07	79.00	12158	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.75	72.06	79.00	12066	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.83	72.06	79.00	11974	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.92	72.06	79.00	11882	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	77.00	72.05	79.00	11790	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	77.08	72.05	79.00	11699	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	77.17	72.05	79.00	11607	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.25	72.04	79.00	11515	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.33	72.04	79.00	11423	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.42	72.03	79.00	11331	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.50	72.03	79.00	11239	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.58	72.03	79.00	11147	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.67	72.02	79.00	11055	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.75	72.02	79.00	10963	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.83	72.02	79.00	10871	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.92	72.01	79.00	10780	0.00	0.12	5.0	5.0
100YR8HR	BASIN-10	BASE	78.00	72.01	79.00	10688	0.00	0.12	5.0	5.0
100YR8HR	BASIN-10	BASE	78.08	72.01	79.00	10596	0.00	0.12	5.0	5.0
100YR8HR	BASIN-10	BASE	78.17	72.00	79.00	10504	0.00	0.12	5.0	5.0
100YR8HR	BASIN-10	BASE	78.25	72.00	79.00	10412	0.00	0.12	5.0	5.0
100YR8HR	BASIN-10	BASE	78.33	72.00	79.00	10411	0.00	0.00	5.0	5.0

100YR8HR BASIN 10 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-11	BASE	6.51	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	6.59	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	6.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	6.76	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	6.84	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	6.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.01	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.09	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.26	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.34	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.51	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.59	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.76	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.84	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.01	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.09	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.26	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.34	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.51	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.83	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR8HR BASIN 11 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-12	BASE	27.33	82.06	84.00	19574	0.00	0.23	1.3	1.3
100YR8HR	BASIN-12	BASE	27.42	82.06	84.00	19326	0.00	0.22	1.3	1.3
100YR8HR	BASIN-12	BASE	27.50	82.06	84.00	19078	0.00	0.22	1.3	1.3
100YR8HR	BASIN-12	BASE	27.58	82.05	84.00	18831	0.00	0.22	1.3	1.3
100YR8HR	BASIN-12	BASE	27.67	82.05	84.00	18583	0.00	0.22	1.3	1.3
100YR8HR	BASIN-12	BASE	27.75	82.05	84.00	18335	0.00	0.21	1.3	1.3
100YR8HR	BASIN-12	BASE	27.83	82.04	84.00	18087	0.00	0.21	1.3	1.3
100YR8HR	BASIN-12	BASE	27.92	82.04	84.00	17839	0.00	0.21	1.3	1.3
100YR8HR	BASIN-12	BASE	28.00	82.04	84.00	17591	0.00	0.20	1.3	1.3
100YR8HR	BASIN-12	BASE	28.08	82.03	84.00	17342	0.00	0.20	1.3	1.3
100YR8HR	BASIN-12	BASE	28.17	82.03	84.00	17094	0.00	0.20	1.3	1.3
100YR8HR	BASIN-12	BASE	28.25	82.03	84.00	16846	0.00	0.19	1.3	1.3
100YR8HR	BASIN-12	BASE	28.33	82.02	84.00	16598	0.00	0.19	1.3	1.3
100YR8HR	BASIN-12	BASE	28.42	82.02	84.00	16351	0.00	0.19	1.3	1.3
100YR8HR	BASIN-12	BASE	28.50	82.01	84.00	16103	0.00	0.19	1.3	1.3
100YR8HR	BASIN-12	BASE	28.58	82.01	84.00	15855	0.00	0.18	1.3	1.3
100YR8HR	BASIN-12	BASE	28.67	82.01	84.00	15607	0.00	0.18	1.3	1.3
100YR8HR	BASIN-12	BASE	28.75	82.00	84.00	15359	0.00	0.18	1.3	1.3
100YR8HR	BASIN-12	BASE	28.83	82.00	84.00	15111	0.00	0.17	1.3	1.3
100YR8HR	BASIN-12	BASE	28.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.67	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.75	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.83	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.67	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.75	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.83	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.67	82.00	84.00	15050	0.00	0.00	1.3	1.3

100YR8HR BASIN 12 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-13	BASE	70.25	80.12	89.00	677	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.33	80.12	89.00	676	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.42	80.11	89.00	674	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.50	80.11	89.00	673	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.58	80.11	89.00	672	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.67	80.10	89.00	670	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.75	80.10	89.00	669	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.83	80.10	89.00	667	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.92	80.09	89.00	666	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.00	80.09	89.00	664	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.08	80.09	89.00	663	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.17	80.08	89.00	661	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.25	80.08	89.00	660	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.33	80.08	89.00	659	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.42	80.07	89.00	657	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.50	80.07	89.00	656	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.58	80.07	89.00	654	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.67	80.06	89.00	653	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.75	80.06	89.00	651	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.83	80.05	89.00	650	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.92	80.05	89.00	649	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.00	80.05	89.00	647	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.08	80.04	89.00	646	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.17	80.04	89.00	644	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.25	80.04	89.00	643	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.33	80.03	89.00	641	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.42	80.03	89.00	640	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.50	80.03	89.00	638	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.58	80.02	89.00	637	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.67	80.02	89.00	636	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.75	80.02	89.00	634	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.83	80.01	89.00	633	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.92	80.01	89.00	631	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	73.00	80.01	89.00	630	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	73.08	80.00	89.00	628	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	73.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.58	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.08	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.58	80.00	89.00	627	0.00	0.00	0.1	0.1

100YR8HR BASIN 13 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-14	BASE	73.42	75.08	84.00	226	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	73.50	75.07	84.00	221	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	73.58	75.07	84.00	216	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	73.67	75.07	84.00	210	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	73.75	75.06	84.00	205	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	73.83	75.06	84.00	200	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	73.92	75.06	84.00	194	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.00	75.05	84.00	189	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.08	75.05	84.00	184	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.17	75.05	84.00	178	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.25	75.04	84.00	173	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.33	75.04	84.00	168	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.42	75.04	84.00	162	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.50	75.03	84.00	157	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.58	75.03	84.00	152	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.67	75.02	84.00	147	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.75	75.02	84.00	141	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.83	75.02	84.00	136	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.92	75.01	84.00	131	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.00	75.01	84.00	125	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.08	75.01	84.00	120	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.17	75.00	84.00	115	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.75	75.00	84.00	113	0.00	0.00	0.2	0.2

100YR8HR BASIN 14 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-15	BASE	5.92	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.01	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.09	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.17	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.26	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.34	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.42	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.51	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.59	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.67	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.76	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	6.84	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	6.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.01	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.09	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.26	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.34	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.51	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.59	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.76	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.84	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.01	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.09	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.26	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.34	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.51	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.58	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.83	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.33	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.58	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.83	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	10.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	10.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	10.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	10.25	83.00	84.75	29686	0.00	0.00	0.0	0.0

100YR8HR BASIN 15 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-2	BASE	725.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	726.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	726.25	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	726.50	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	726.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	727.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	727.25	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	727.50	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	727.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	728.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	728.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.08	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.17	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.25	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.33	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.42	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.50	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.58	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.67	80.00	88.00	105790	0.01	0.01	0.0	0.0
100YR8HR	BASIN-3	BASE	0.75	80.00	88.00	105790	0.07	0.07	0.0	0.0
100YR8HR	BASIN-3	BASE	0.83	80.00	88.00	105790	0.20	0.20	0.0	0.0
100YR8HR	BASIN-3	BASE	0.92	80.00	88.00	105791	0.43	0.43	0.0	0.0
100YR8HR	BASIN-3	BASE	1.00	80.00	88.00	105792	0.68	0.68	0.0	0.0
100YR8HR	BASIN-3	BASE	1.09	80.00	88.00	105793	1.06	1.06	0.0	0.0
100YR8HR	BASIN-3	BASE	1.17	80.00	88.00	105826	1.67	1.22	0.0	0.0
100YR8HR	BASIN-3	BASE	1.25	80.00	88.00	106021	2.66	1.23	0.0	0.0
100YR8HR	BASIN-3	BASE	1.33	80.01	88.00	106459	3.94	1.23	0.1	0.0
100YR8HR	BASIN-3	BASE	1.42	80.02	88.00	107147	5.16	1.24	0.1	0.0
100YR8HR	BASIN-3	BASE	1.50	80.03	88.00	108066	6.25	1.25	0.1	0.1
100YR8HR	BASIN-3	BASE	1.58	80.05	88.00	109180	7.19	1.26	0.2	0.1
100YR8HR	BASIN-3	BASE	1.67	80.06	88.00	110453	7.97	1.28	0.2	0.1
100YR8HR	BASIN-3	BASE	1.75	80.08	88.00	111852	8.64	1.29	0.3	0.1
100YR8HR	BASIN-3	BASE	1.83	80.10	88.00	113353	9.23	1.31	0.3	0.1
100YR8HR	BASIN-3	BASE	1.92	80.12	88.00	114939	9.75	1.33	0.4	0.1
100YR8HR	BASIN-3	BASE	2.00	80.15	88.00	116592	10.21	1.35	0.5	0.1
100YR8HR	BASIN-3	BASE	2.08	80.17	88.00	118304	10.68	1.37	0.6	0.1
100YR8HR	BASIN-3	BASE	2.17	80.19	88.00	120081	11.22	1.39	0.6	0.1
100YR8HR	BASIN-3	BASE	2.25	80.22	88.00	121940	11.90	1.41	0.7	0.1
100YR8HR	BASIN-3	BASE	2.33	80.25	88.00	123897	12.67	1.43	0.8	0.1
100YR8HR	BASIN-3	BASE	2.42	80.27	88.00	125953	13.42	1.46	0.9	0.2
100YR8HR	BASIN-3	BASE	2.50	80.30	88.00	128096	14.10	1.48	1.0	0.2
100YR8HR	BASIN-3	BASE	2.58	80.33	88.00	130307	14.70	1.51	1.1	0.2
100YR8HR	BASIN-3	BASE	2.67	80.36	88.00	132570	15.21	1.53	1.2	0.2
100YR8HR	BASIN-3	BASE	2.75	80.39	88.00	134871	15.66	1.56	1.3	0.2
100YR8HR	BASIN-3	BASE	2.83	80.43	88.00	137197	16.07	1.59	1.4	0.2
100YR8HR	BASIN-3	BASE	2.92	80.46	88.00	139540	16.42	1.62	1.5	0.2
100YR8HR	BASIN-3	BASE	3.00	80.49	88.00	141893	16.74	1.64	1.6	0.2
100YR8HR	BASIN-3	BASE	3.08	80.52	88.00	144280	17.42	1.67	1.7	0.2
100YR8HR	BASIN-3	BASE	3.17	80.56	88.00	146786	18.89	1.70	1.9	0.3
100YR8HR	BASIN-3	BASE	3.25	80.59	88.00	149566	21.60	1.73	2.0	0.3
100YR8HR	BASIN-3	BASE	3.33	80.64	88.00	152744	25.14	1.77	2.2	0.3

100YR8HR BASIN 2 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-3	BASE	56.42	80.11	88.00	113884	0.00	1.32	10.3	10.0
100YR8HR	BASIN-3	BASE	56.50	80.11	88.00	113627	0.00	1.32	10.3	10.0
100YR8HR	BASIN-3	BASE	56.58	80.10	88.00	113371	0.00	1.31	10.3	10.1
100YR8HR	BASIN-3	BASE	56.67	80.10	88.00	113114	0.00	1.31	10.3	10.1
100YR8HR	BASIN-3	BASE	56.75	80.10	88.00	112857	0.00	1.31	10.3	10.1
100YR8HR	BASIN-3	BASE	56.83	80.09	88.00	112601	0.00	1.30	10.3	10.1
100YR8HR	BASIN-3	BASE	56.92	80.09	88.00	112344	0.00	1.30	10.3	10.1
100YR8HR	BASIN-3	BASE	57.00	80.09	88.00	112088	0.00	1.30	10.3	10.1
100YR8HR	BASIN-3	BASE	57.08	80.08	88.00	111831	0.00	1.29	10.3	10.1
100YR8HR	BASIN-3	BASE	57.17	80.08	88.00	111575	0.00	1.29	10.3	10.1
100YR8HR	BASIN-3	BASE	57.25	80.07	88.00	111319	0.00	1.29	10.3	10.1
100YR8HR	BASIN-3	BASE	57.33	80.07	88.00	111063	0.00	1.29	10.3	10.1
100YR8HR	BASIN-3	BASE	57.42	80.07	88.00	110806	0.00	1.28	10.3	10.1
100YR8HR	BASIN-3	BASE	57.50	80.06	88.00	110550	0.00	1.28	10.3	10.2
100YR8HR	BASIN-3	BASE	57.58	80.06	88.00	110293	0.00	1.28	10.3	10.2
100YR8HR	BASIN-3	BASE	57.67	80.06	88.00	110037	0.00	1.27	10.3	10.2
100YR8HR	BASIN-3	BASE	57.75	80.05	88.00	109780	0.00	1.27	10.3	10.2
100YR8HR	BASIN-3	BASE	57.83	80.05	88.00	109523	0.00	1.27	10.3	10.2
100YR8HR	BASIN-3	BASE	57.92	80.05	88.00	109267	0.00	1.26	10.3	10.2
100YR8HR	BASIN-3	BASE	58.00	80.04	88.00	109010	0.00	1.26	10.3	10.2
100YR8HR	BASIN-3	BASE	58.08	80.04	88.00	108755	0.00	1.26	10.3	10.2
100YR8HR	BASIN-3	BASE	58.17	80.04	88.00	108499	0.00	1.26	10.3	10.2
100YR8HR	BASIN-3	BASE	58.25	80.03	88.00	108242	0.00	1.25	10.3	10.2
100YR8HR	BASIN-3	BASE	58.33	80.03	88.00	107985	0.00	1.25	10.3	10.2
100YR8HR	BASIN-3	BASE	58.42	80.03	88.00	107729	0.00	1.25	10.3	10.2
100YR8HR	BASIN-3	BASE	58.50	80.02	88.00	107472	0.00	1.24	10.3	10.3
100YR8HR	BASIN-3	BASE	58.58	80.02	88.00	107216	0.00	1.24	10.3	10.3
100YR8HR	BASIN-3	BASE	58.67	80.02	88.00	106959	0.00	1.24	10.3	10.3
100YR8HR	BASIN-3	BASE	58.75	80.01	88.00	106703	0.00	1.23	10.3	10.3
100YR8HR	BASIN-3	BASE	58.83	80.01	88.00	106446	0.00	1.23	10.3	10.3
100YR8HR	BASIN-3	BASE	58.92	80.01	88.00	106191	0.00	1.23	10.3	10.3
100YR8HR	BASIN-3	BASE	59.00	80.00	88.00	105934	0.00	1.23	10.3	10.3
100YR8HR	BASIN-3	BASE	59.08	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.17	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.25	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.33	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.42	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.50	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.58	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.67	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.75	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.83	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.92	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.00	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.08	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.17	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.25	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.33	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.42	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.50	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.58	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.67	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.75	80.00	88.00	105790	0.00	0.00	10.3	10.3

100YR8HR BASIN-3 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-4	BASE	6.59	85.10	87.00	197279	1.07	2.28	1.4	0.9
100YR8HR	BASIN-4	BASE	6.67	85.10	87.00	197244	1.03	2.28	1.4	1.0
100YR8HR	BASIN-4	BASE	6.76	85.10	87.00	197209	1.01	2.28	1.4	1.0
100YR8HR	BASIN-4	BASE	6.84	85.10	87.00	197172	0.99	2.28	1.4	1.0
100YR8HR	BASIN-4	BASE	6.92	85.10	87.00	197136	0.97	2.28	1.4	1.0
100YR8HR	BASIN-4	BASE	7.01	85.09	87.00	197098	0.96	2.28	1.4	1.0
100YR8HR	BASIN-4	BASE	7.09	85.09	87.00	197061	0.94	2.28	1.4	1.0
100YR8HR	BASIN-4	BASE	7.17	85.09	87.00	197022	0.90	2.28	1.5	1.0
100YR8HR	BASIN-4	BASE	7.26	85.09	87.00	196983	0.85	2.28	1.5	1.1
100YR8HR	BASIN-4	BASE	7.34	85.09	87.00	196942	0.80	2.28	1.5	1.1
100YR8HR	BASIN-4	BASE	7.42	85.08	87.00	196900	0.76	2.28	1.5	1.1
100YR8HR	BASIN-4	BASE	7.51	85.08	87.00	196856	0.73	2.28	1.5	1.1
100YR8HR	BASIN-4	BASE	7.59	85.08	87.00	196812	0.70	2.28	1.5	1.1
100YR8HR	BASIN-4	BASE	7.67	85.08	87.00	196767	0.68	2.28	1.5	1.1
100YR8HR	BASIN-4	BASE	7.76	85.07	87.00	196722	0.66	2.28	1.5	1.2
100YR8HR	BASIN-4	BASE	7.84	85.07	87.00	196676	0.64	2.28	1.5	1.2
100YR8HR	BASIN-4	BASE	7.92	85.07	87.00	196629	0.63	2.28	1.5	1.2
100YR8HR	BASIN-4	BASE	8.01	85.07	87.00	196582	0.61	2.28	1.5	1.2
100YR8HR	BASIN-4	BASE	8.09	85.06	87.00	196535	0.59	2.27	1.5	1.2
100YR8HR	BASIN-4	BASE	8.17	85.06	87.00	196487	0.54	2.27	1.5	1.2
100YR8HR	BASIN-4	BASE	8.26	85.06	87.00	196437	0.47	2.27	1.5	1.2
100YR8HR	BASIN-4	BASE	8.34	85.06	87.00	196385	0.40	2.27	1.5	1.3
100YR8HR	BASIN-4	BASE	8.42	85.05	87.00	196331	0.33	2.27	1.5	1.3
100YR8HR	BASIN-4	BASE	8.51	85.05	87.00	196275	0.28	2.27	1.5	1.3
100YR8HR	BASIN-4	BASE	8.58	85.05	87.00	196223	0.24	2.27	1.5	1.3
100YR8HR	BASIN-4	BASE	8.67	85.04	87.00	196165	0.20	2.27	1.5	1.3
100YR8HR	BASIN-4	BASE	8.75	85.04	87.00	196105	0.17	2.27	1.5	1.3
100YR8HR	BASIN-4	BASE	8.83	85.04	87.00	196046	0.15	2.27	1.5	1.4
100YR8HR	BASIN-4	BASE	8.92	85.03	87.00	195985	0.12	2.27	1.5	1.4
100YR8HR	BASIN-4	BASE	9.00	85.03	87.00	195924	0.11	2.27	1.5	1.4
100YR8HR	BASIN-4	BASE	9.08	85.03	87.00	195862	0.09	2.27	1.5	1.4
100YR8HR	BASIN-4	BASE	9.17	85.02	87.00	195800	0.08	2.27	1.5	1.4
100YR8HR	BASIN-4	BASE	9.25	85.02	87.00	195738	0.06	2.27	1.5	1.4
100YR8HR	BASIN-4	BASE	9.33	85.02	87.00	195675	0.05	2.26	1.5	1.5
100YR8HR	BASIN-4	BASE	9.42	85.01	87.00	195613	0.04	2.26	1.5	1.5
100YR8HR	BASIN-4	BASE	9.50	85.01	87.00	195549	0.03	2.26	1.5	1.5
100YR8HR	BASIN-4	BASE	9.58	85.01	87.00	195486	0.03	2.26	1.5	1.5
100YR8HR	BASIN-4	BASE	9.67	85.00	87.00	195422	0.02	2.26	1.5	1.5
100YR8HR	BASIN-4	BASE	9.75	85.00	87.00	195358	0.01	2.26	1.5	1.5
100YR8HR	BASIN-4	BASE	9.83	85.00	87.00	195349	0.01	0.01	1.5	1.5
100YR8HR	BASIN-4	BASE	9.92	85.00	87.00	195349	0.01	0.01	1.5	1.5
100YR8HR	BASIN-4	BASE	10.00	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.08	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.17	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.25	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.33	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.42	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.50	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.58	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.67	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.75	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.83	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.92	85.00	87.00	195349	0.00	0.00	1.5	1.5

100YR8HR BASIN 4 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-5	BASE	23.00	87.11	89.00	483293	0.00	5.59	11.4	10.2
100YR8HR	BASIN-5	BASE	23.08	87.10	89.00	483148	0.00	5.59	11.4	10.3
100YR8HR	BASIN-5	BASE	23.17	87.10	89.00	483003	0.00	5.59	11.4	10.3
100YR8HR	BASIN-5	BASE	23.25	87.09	89.00	482858	0.00	5.59	11.4	10.4
100YR8HR	BASIN-5	BASE	23.33	87.09	89.00	482714	0.00	5.59	11.4	10.4
100YR8HR	BASIN-5	BASE	23.42	87.09	89.00	482570	0.00	5.59	11.4	10.4
100YR8HR	BASIN-5	BASE	23.50	87.08	89.00	482425	0.00	5.58	11.4	10.5
100YR8HR	BASIN-5	BASE	23.58	87.08	89.00	482280	0.00	5.58	11.4	10.5
100YR8HR	BASIN-5	BASE	23.67	87.08	89.00	482135	0.00	5.58	11.4	10.6
100YR8HR	BASIN-5	BASE	23.75	87.07	89.00	481990	0.00	5.58	11.4	10.6
100YR8HR	BASIN-5	BASE	23.83	87.07	89.00	481845	0.00	5.58	11.4	10.6
100YR8HR	BASIN-5	BASE	23.92	87.07	89.00	481700	0.00	5.58	11.4	10.7
100YR8HR	BASIN-5	BASE	24.00	87.06	89.00	481556	0.00	5.57	11.4	10.7
100YR8HR	BASIN-5	BASE	24.08	87.06	89.00	481411	0.00	5.57	11.4	10.7
100YR8HR	BASIN-5	BASE	24.17	87.06	89.00	481266	0.00	5.57	11.4	10.8
100YR8HR	BASIN-5	BASE	24.25	87.05	89.00	481122	0.00	5.57	11.4	10.8
100YR8HR	BASIN-5	BASE	24.33	87.05	89.00	480977	0.00	5.57	11.4	10.9
100YR8HR	BASIN-5	BASE	24.42	87.05	89.00	480832	0.00	5.57	11.4	10.9
100YR8HR	BASIN-5	BASE	24.50	87.04	89.00	480687	0.00	5.56	11.4	10.9
100YR8HR	BASIN-5	BASE	24.58	87.04	89.00	480543	0.00	5.56	11.4	11.0
100YR8HR	BASIN-5	BASE	24.67	87.04	89.00	480398	0.00	5.56	11.4	11.0
100YR8HR	BASIN-5	BASE	24.75	87.03	89.00	480253	0.00	5.56	11.4	11.1
100YR8HR	BASIN-5	BASE	24.83	87.03	89.00	480108	0.00	5.56	11.4	11.1
100YR8HR	BASIN-5	BASE	24.92	87.03	89.00	479963	0.00	5.56	11.4	11.1
100YR8HR	BASIN-5	BASE	25.00	87.02	89.00	479818	0.00	5.55	11.4	11.2
100YR8HR	BASIN-5	BASE	25.08	87.02	89.00	479674	0.00	5.55	11.4	11.2
100YR8HR	BASIN-5	BASE	25.17	87.01	89.00	479529	0.00	5.55	11.4	11.2
100YR8HR	BASIN-5	BASE	25.25	87.01	89.00	479385	0.00	5.55	11.4	11.3
100YR8HR	BASIN-5	BASE	25.33	87.01	89.00	479240	0.00	5.55	11.4	11.3
100YR8HR	BASIN-5	BASE	25.42	87.00	89.00	479095	0.00	5.55	11.4	11.4
100YR8HR	BASIN-5	BASE	25.50	87.00	89.00	478950	0.00	5.54	11.4	11.4
100YR8HR	BASIN-5	BASE	25.58	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	25.67	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	25.75	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	25.83	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	25.92	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.00	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.08	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.17	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.25	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.33	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.42	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.50	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.58	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.67	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.75	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.83	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.92	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	27.00	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	27.08	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	27.17	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	27.25	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	27.33	87.00	89.00	478907	0.00	0.00	11.4	11.4

100YR8HR BASIN 5 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-6	BASE	8.51	85.08	87.00	385109	0.69	4.46	3.3	2.6
100YR8HR	BASIN-6	BASE	8.58	85.08	87.00	385037	0.60	4.46	3.3	2.6
100YR8HR	BASIN-6	BASE	8.67	85.07	87.00	384958	0.51	4.46	3.3	2.6
100YR8HR	BASIN-6	BASE	8.75	85.07	87.00	384877	0.44	4.45	3.3	2.6
100YR8HR	BASIN-6	BASE	8.83	85.07	87.00	384795	0.38	4.45	3.3	2.7
100YR8HR	BASIN-6	BASE	8.92	85.06	87.00	384711	0.32	4.45	3.3	2.7
100YR8HR	BASIN-6	BASE	9.00	85.06	87.00	384627	0.28	4.45	3.3	2.7
100YR8HR	BASIN-6	BASE	9.08	85.06	87.00	384541	0.24	4.45	3.3	2.8
100YR8HR	BASIN-6	BASE	9.17	85.05	87.00	384455	0.21	4.45	3.3	2.8
100YR8HR	BASIN-6	BASE	9.25	85.05	87.00	384369	0.18	4.45	3.3	2.8
100YR8HR	BASIN-6	BASE	9.33	85.05	87.00	384281	0.15	4.45	3.3	2.9
100YR8HR	BASIN-6	BASE	9.42	85.04	87.00	384194	0.13	4.45	3.3	2.9
100YR8HR	BASIN-6	BASE	9.50	85.04	87.00	384105	0.10	4.45	3.3	2.9
100YR8HR	BASIN-6	BASE	9.58	85.04	87.00	384017	0.08	4.44	3.3	3.0
100YR8HR	BASIN-6	BASE	9.67	85.03	87.00	383928	0.07	4.44	3.3	3.0
100YR8HR	BASIN-6	BASE	9.75	85.03	87.00	383838	0.05	4.44	3.3	3.0
100YR8HR	BASIN-6	BASE	9.83	85.03	87.00	383749	0.04	4.44	3.3	3.0
100YR8HR	BASIN-6	BASE	9.92	85.02	87.00	383659	0.03	4.44	3.3	3.1
100YR8HR	BASIN-6	BASE	10.00	85.02	87.00	383568	0.02	4.44	3.3	3.1
100YR8HR	BASIN-6	BASE	10.08	85.02	87.00	383478	0.02	4.44	3.3	3.1
100YR8HR	BASIN-6	BASE	10.17	85.01	87.00	383388	0.01	4.44	3.3	3.2
100YR8HR	BASIN-6	BASE	10.25	85.01	87.00	383298	0.01	4.44	3.3	3.2
100YR8HR	BASIN-6	BASE	10.33	85.01	87.00	383207	0.00	4.44	3.3	3.2
100YR8HR	BASIN-6	BASE	10.42	85.00	87.00	383117	0.00	4.43	3.3	3.3
100YR8HR	BASIN-6	BASE	10.50	85.00	87.00	383026	0.00	4.43	3.3	3.3
100YR8HR	BASIN-6	BASE	10.58	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	10.67	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	10.75	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	10.83	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	10.92	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.00	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.08	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.17	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.25	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.33	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.42	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.50	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.58	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.67	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.75	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.83	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.92	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.00	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.08	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.17	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.25	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.33	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.42	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.50	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.58	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.67	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.75	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.83	85.00	87.00	383023	0.00	0.00	3.3	3.3

100YR8HR BASIN 6 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-7	BASE	11.67	78.19	80.00	315101	0.00	3.65	4.4	3.1
100YR8HR	BASIN-7	BASE	11.75	78.18	80.00	315023	0.00	3.65	4.4	3.1
100YR8HR	BASIN-7	BASE	11.83	78.18	80.00	314946	0.00	3.65	4.4	3.2
100YR8HR	BASIN-7	BASE	11.92	78.17	80.00	314869	0.00	3.64	4.4	3.2
100YR8HR	BASIN-7	BASE	12.00	78.17	80.00	314791	0.00	3.64	4.4	3.2
100YR8HR	BASIN-7	BASE	12.08	78.17	80.00	314714	0.00	3.64	4.4	3.2
100YR8HR	BASIN-7	BASE	12.17	78.16	80.00	314636	0.00	3.64	4.4	3.3
100YR8HR	BASIN-7	BASE	12.25	78.16	80.00	314559	0.00	3.64	4.4	3.3
100YR8HR	BASIN-7	BASE	12.33	78.16	80.00	314482	0.00	3.64	4.4	3.3
100YR8HR	BASIN-7	BASE	12.42	78.15	80.00	314404	0.00	3.64	4.4	3.3
100YR8HR	BASIN-7	BASE	12.50	78.15	80.00	314327	0.00	3.64	4.4	3.4
100YR8HR	BASIN-7	BASE	12.58	78.15	80.00	314249	0.00	3.64	4.4	3.4
100YR8HR	BASIN-7	BASE	12.67	78.14	80.00	314172	0.00	3.64	4.4	3.4
100YR8HR	BASIN-7	BASE	12.75	78.14	80.00	314095	0.00	3.64	4.4	3.4
100YR8HR	BASIN-7	BASE	12.83	78.14	80.00	314017	0.00	3.63	4.4	3.5
100YR8HR	BASIN-7	BASE	12.92	78.13	80.00	313940	0.00	3.63	4.4	3.5
100YR8HR	BASIN-7	BASE	13.00	78.13	80.00	313863	0.00	3.63	4.4	3.5
100YR8HR	BASIN-7	BASE	13.08	78.13	80.00	313785	0.00	3.63	4.4	3.5
100YR8HR	BASIN-7	BASE	13.17	78.12	80.00	313708	0.00	3.63	4.4	3.6
100YR8HR	BASIN-7	BASE	13.25	78.12	80.00	313630	0.00	3.63	4.4	3.6
100YR8HR	BASIN-7	BASE	13.33	78.12	80.00	313553	0.00	3.63	4.4	3.6
100YR8HR	BASIN-7	BASE	13.42	78.11	80.00	313475	0.00	3.63	4.4	3.6
100YR8HR	BASIN-7	BASE	13.50	78.11	80.00	313398	0.00	3.63	4.4	3.7
100YR8HR	BASIN-7	BASE	13.58	78.11	80.00	313321	0.00	3.63	4.4	3.7
100YR8HR	BASIN-7	BASE	13.67	78.10	80.00	313243	0.00	3.63	4.4	3.7
100YR8HR	BASIN-7	BASE	13.75	78.10	80.00	313166	0.00	3.62	4.4	3.7
100YR8HR	BASIN-7	BASE	13.83	78.10	80.00	313089	0.00	3.62	4.4	3.8
100YR8HR	BASIN-7	BASE	13.92	78.09	80.00	313011	0.00	3.62	4.4	3.8
100YR8HR	BASIN-7	BASE	14.00	78.09	80.00	312934	0.00	3.62	4.4	3.8
100YR8HR	BASIN-7	BASE	14.08	78.08	80.00	312856	0.00	3.62	4.4	3.8
100YR8HR	BASIN-7	BASE	14.17	78.08	80.00	312779	0.00	3.62	4.4	3.9
100YR8HR	BASIN-7	BASE	14.25	78.08	80.00	312701	0.00	3.62	4.4	3.9
100YR8HR	BASIN-7	BASE	14.33	78.07	80.00	312624	0.00	3.62	4.4	3.9
100YR8HR	BASIN-7	BASE	14.42	78.07	80.00	312547	0.00	3.62	4.4	3.9
100YR8HR	BASIN-7	BASE	14.50	78.07	80.00	312469	0.00	3.62	4.4	4.0
100YR8HR	BASIN-7	BASE	14.58	78.06	80.00	312392	0.00	3.62	4.4	4.0
100YR8HR	BASIN-7	BASE	14.67	78.06	80.00	312315	0.00	3.61	4.4	4.0
100YR8HR	BASIN-7	BASE	14.75	78.06	80.00	312237	0.00	3.61	4.4	4.0
100YR8HR	BASIN-7	BASE	14.83	78.05	80.00	312160	0.00	3.61	4.4	4.1
100YR8HR	BASIN-7	BASE	14.92	78.05	80.00	312082	0.00	3.61	4.4	4.1
100YR8HR	BASIN-7	BASE	15.00	78.05	80.00	312005	0.00	3.61	4.4	4.1
100YR8HR	BASIN-7	BASE	15.08	78.04	80.00	311927	0.00	3.61	4.4	4.1
100YR8HR	BASIN-7	BASE	15.17	78.04	80.00	311850	0.00	3.61	4.4	4.2
100YR8HR	BASIN-7	BASE	15.25	78.04	80.00	311773	0.00	3.61	4.4	4.2
100YR8HR	BASIN-7	BASE	15.33	78.03	80.00	311696	0.00	3.61	4.4	4.2
100YR8HR	BASIN-7	BASE	15.42	78.03	80.00	311618	0.00	3.61	4.4	4.2
100YR8HR	BASIN-7	BASE	15.50	78.03	80.00	311541	0.00	3.61	4.4	4.3
100YR8HR	BASIN-7	BASE	15.58	78.02	80.00	311463	0.00	3.60	4.4	4.3
100YR8HR	BASIN-7	BASE	15.67	78.02	80.00	311386	0.00	3.60	4.4	4.3
100YR8HR	BASIN-7	BASE	15.75	78.02	80.00	311308	0.00	3.60	4.4	4.3
100YR8HR	BASIN-7	BASE	15.83	78.01	80.00	311231	0.00	3.60	4.4	4.4
100YR8HR	BASIN-7	BASE	15.92	78.01	80.00	311153	0.00	3.60	4.4	4.4
100YR8HR	BASIN-7	BASE	16.00	78.00	80.00	311076	0.00	3.60	4.4	4.4

100YR8HR BASIN 7 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-8	BASE	1.58	86.00	87.00	26706	0.40	0.39	0.0	0.0
100YR8HR	BASIN-8	BASE	1.67	86.00	87.00	26708	0.42	0.42	0.0	0.0
100YR8HR	BASIN-8	BASE	1.75	86.00	87.00	26710	0.44	0.44	0.0	0.0
100YR8HR	BASIN-8	BASE	1.83	86.00	87.00	26711	0.46	0.46	0.0	0.0
100YR8HR	BASIN-8	BASE	1.92	86.00	87.00	26713	0.48	0.47	0.0	0.0
100YR8HR	BASIN-8	BASE	2.00	86.00	87.00	26715	0.49	0.49	0.0	0.0
100YR8HR	BASIN-8	BASE	2.08	86.00	87.00	26717	0.51	0.50	0.0	0.0
100YR8HR	BASIN-8	BASE	2.17	86.00	87.00	26720	0.54	0.53	0.0	0.0
100YR8HR	BASIN-8	BASE	2.25	86.00	87.00	26726	0.58	0.57	0.0	0.0
100YR8HR	BASIN-8	BASE	2.33	86.00	87.00	26732	0.62	0.60	0.0	0.0
100YR8HR	BASIN-8	BASE	2.42	86.00	87.00	26738	0.64	0.63	0.0	0.0
100YR8HR	BASIN-8	BASE	2.50	86.00	87.00	26743	0.66	0.65	0.1	0.1
100YR8HR	BASIN-8	BASE	2.58	86.00	87.00	26747	0.68	0.67	0.1	0.1
100YR8HR	BASIN-8	BASE	2.67	86.00	87.00	26750	0.69	0.68	0.1	0.1
100YR8HR	BASIN-8	BASE	2.75	86.00	87.00	26753	0.70	0.69	0.1	0.1
100YR8HR	BASIN-8	BASE	2.83	86.00	87.00	26755	0.71	0.70	0.1	0.1
100YR8HR	BASIN-8	BASE	2.92	86.00	87.00	26757	0.71	0.71	0.1	0.1
100YR8HR	BASIN-8	BASE	3.00	86.00	87.00	26758	0.72	0.71	0.1	0.1
100YR8HR	BASIN-8	BASE	3.08	86.00	87.00	26766	0.77	0.74	0.1	0.1
100YR8HR	BASIN-8	BASE	3.17	86.00	87.00	26793	0.93	0.83	0.1	0.1
100YR8HR	BASIN-8	BASE	3.25	86.00	87.00	26850	1.14	0.97	0.1	0.1
100YR8HR	BASIN-8	BASE	3.33	86.01	87.00	26925	1.33	1.12	0.1	0.1
100YR8HR	BASIN-8	BASE	3.42	86.01	87.00	27006	1.47	1.26	0.1	0.1
100YR8HR	BASIN-8	BASE	3.50	86.01	87.00	27086	1.58	1.38	0.1	0.1
100YR8HR	BASIN-8	BASE	3.58	86.01	87.00	27161	1.67	1.48	0.1	0.1
100YR8HR	BASIN-8	BASE	3.67	86.01	87.00	27230	1.74	1.57	0.1	0.1
100YR8HR	BASIN-8	BASE	3.75	86.02	87.00	27294	1.80	1.64	0.2	0.2
100YR8HR	BASIN-8	BASE	3.83	86.02	87.00	27351	1.84	1.71	0.2	0.2
100YR8HR	BASIN-8	BASE	3.92	86.02	87.00	27402	1.89	1.76	0.2	0.2
100YR8HR	BASIN-8	BASE	4.00	86.02	87.00	27449	1.92	1.81	0.2	0.2
100YR8HR	BASIN-8	BASE	4.08	86.02	87.00	27483	1.91	1.84	0.2	0.2
100YR8HR	BASIN-8	BASE	4.17	86.02	87.00	27485	1.79	1.85	0.2	0.2
100YR8HR	BASIN-8	BASE	4.25	86.02	87.00	27435	1.61	1.80	0.2	0.2
100YR8HR	BASIN-8	BASE	4.33	86.02	87.00	27348	1.45	1.70	0.2	0.2
100YR8HR	BASIN-8	BASE	4.42	86.02	87.00	27247	1.33	1.59	0.3	0.2
100YR8HR	BASIN-8	BASE	4.50	86.01	87.00	27150	1.24	1.47	0.3	0.3
100YR8HR	BASIN-8	BASE	4.58	86.01	87.00	27066	1.16	1.35	0.3	0.3
100YR8HR	BASIN-8	BASE	4.67	86.01	87.00	26998	1.10	1.25	0.3	0.3
100YR8HR	BASIN-8	BASE	4.75	86.01	87.00	26945	1.05	1.16	0.3	0.3
100YR8HR	BASIN-8	BASE	4.83	86.01	87.00	26905	1.00	1.09	0.3	0.3
100YR8HR	BASIN-8	BASE	4.92	86.00	87.00	26875	0.96	1.03	0.3	0.3
100YR8HR	BASIN-8	BASE	5.00	86.00	87.00	26853	0.93	0.98	0.3	0.3
100YR8HR	BASIN-8	BASE	5.09	86.00	87.00	26832	0.88	0.93	0.3	0.3
100YR8HR	BASIN-8	BASE	5.17	86.00	87.00	26806	0.79	0.86	0.3	0.3
100YR8HR	BASIN-8	BASE	5.25	86.00	87.00	26775	0.69	0.77	0.3	0.3
100YR8HR	BASIN-8	BASE	5.33	86.00	87.00	26747	0.61	0.67	0.3	0.3
100YR8HR	BASIN-8	BASE	5.42	86.00	87.00	26728	0.54	0.58	0.3	0.3
100YR8HR	BASIN-8	BASE	5.50	86.00	87.00	26717	0.49	0.51	0.3	0.3
100YR8HR	BASIN-8	BASE	5.58	86.00	87.00	26712	0.45	0.46	0.3	0.3
100YR8HR	BASIN-8	BASE	5.67	86.00	87.00	26710	0.42	0.42	0.3	0.3
100YR8HR	BASIN-8	BASE	5.76	86.00	87.00	26709	0.39	0.39	0.3	0.3
100YR8HR	BASIN-8	BASE	5.84	86.00	87.00	26709	0.38	0.38	0.4	0.4
100YR8HR	BASIN-8	BASE	5.92	86.00	87.00	26709	0.36	0.36	0.4	0.4

100YR8HR BASIN 8 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-9	BASE	9.17	77.12	79.75	153825	0.07	1.78	1.6	1.1
100YR8HR	BASIN-9	BASE	9.25	77.12	79.75	153775	0.06	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.33	77.11	79.75	153724	0.05	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.42	77.11	79.75	153674	0.04	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.50	77.11	79.75	153622	0.03	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.58	77.10	79.75	153571	0.02	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.67	77.10	79.75	153520	0.02	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.75	77.10	79.75	153468	0.01	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.83	77.09	79.75	153416	0.01	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.92	77.09	79.75	153364	0.00	1.78	1.6	1.3
100YR8HR	BASIN-9	BASE	10.00	77.09	79.75	153312	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.08	77.08	79.75	153260	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.17	77.08	79.75	153208	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.25	77.08	79.75	153156	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.33	77.07	79.75	153104	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.42	77.07	79.75	153052	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.50	77.07	79.75	153000	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.58	77.06	79.75	152948	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	10.67	77.06	79.75	152895	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	10.75	77.06	79.75	152843	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	10.83	77.05	79.75	152791	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	10.92	77.05	79.75	152739	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	11.00	77.05	79.75	152687	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	11.08	77.04	79.75	152635	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	11.17	77.04	79.75	152583	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	11.25	77.03	79.75	152531	0.00	1.77	1.6	1.5
100YR8HR	BASIN-9	BASE	11.33	77.03	79.75	152479	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.42	77.03	79.75	152427	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.50	77.02	79.75	152375	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.58	77.02	79.75	152322	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.67	77.02	79.75	152270	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.75	77.01	79.75	152218	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.83	77.01	79.75	152166	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.92	77.01	79.75	152114	0.00	1.76	1.6	1.6
100YR8HR	BASIN-9	BASE	12.00	77.00	79.75	152062	0.00	1.76	1.6	1.6
100YR8HR	BASIN-9	BASE	12.08	77.00	79.75	152010	0.00	1.76	1.6	1.6
100YR8HR	BASIN-9	BASE	12.17	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.25	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.33	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.42	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.50	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.58	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.67	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.75	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.83	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.92	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.00	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.08	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.17	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.25	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.33	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.42	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.50	77.00	79.75	152007	0.00	0.00	1.6	1.6

100YR8HR BASIN 9 POST RECOVERY

==========
==== Basins ====
==========

Name: WTRSHD-15 Node: BASIN-15 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 15.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
9.220	0.150	0.13	1.940	23.010	0.417	4.170
4.520	0.030	0.00	3.220	9.240	0.412	8.740

==========
==== Nodes ====
==========

Name: BASIN-1 Base Flow(cfs): 0.000 Init Stage(ft): 85.280
Group: BASE Warn Stage(ft): 86.000
Type: Stage/Area

Stage(ft)	Area(ac)
84.000	0.1109
85.000	0.3368
86.000	0.8292

Name: BASIN-10 Base Flow(cfs): 0.000 Init Stage(ft): 73.190
Group: BASE Warn Stage(ft): 79.000
Type: Stage/Area

Stage(ft)	Area(ac)
72.000	0.2390
73.000	0.8463
74.000	1.6392
75.000	4.0206
76.000	6.0829
77.000	7.5573
78.000	9.0290
79.000	10.7927

Name: BASIN-11 Base Flow(cfs): 0.000 Init Stage(ft): 82.050
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.0472
82.000	0.1917
83.000	0.3917
84.000	0.7038

Name: BASIN-12 Base Flow(cfs): 0.000 Init Stage(ft): 82.770
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
82.000	0.3455
83.000	1.9849
84.000	3.3071

Name: BASIN-13 Base Flow(cfs): 0.000 Init Stage(ft): 89.050
Group: BASE Warn Stage(ft): 89.000
Type: Stage/Area

Stage(ft)	Area(ac)
80.000	0.0144
81.000	0.0239
82.000	0.0318
83.000	0.0400
84.000	0.0471
85.000	0.0539
86.000	0.0607
87.000	0.0679
88.000	0.0776
89.000	0.1216

Name: BASIN-14 Base Flow(cfs): 0.000 Init Stage(ft): 77.770
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
75.000	0.0025

76.000	0.0376
77.000	0.1083
78.000	0.1845
79.000	0.2779
80.000	0.3626
81.000	0.4484
82.000	0.5486
83.000	0.6682
84.000	0.8501

Name: BASIN-15 Base Flow(cfs): 0.000 Init Stage(ft): 84.250
Group: BASE Warn Stage(ft): 84.750
Type: Stage/Area

Stage(ft)	Area(ac)
83.000	0.6815
84.000	1.2410
84.750	2.9141

Name: BASIN-2 Base Flow(cfs): 0.000 Init Stage(ft): 59.490
Group: BASE Warn Stage(ft): 84.250
Type: Stage/Area

Stage(ft)	Area(ac)
40.000	0.0155
41.000	0.0213
42.000	0.0263
43.000	0.0319
44.000	0.0374
45.000	0.0427
46.000	0.0482
47.000	0.0551
48.000	0.0612
49.000	0.0674
50.000	0.0740
51.000	0.0803
52.000	0.0868
53.000	0.0941
54.000	0.1023
55.000	0.1106
56.000	0.1188
57.000	0.1270
58.000	0.1347
59.000	0.1428
60.000	0.1520
61.000	0.1611
62.000	0.1704
63.000	0.1804

64.000	0.1909
65.000	0.2012
66.000	0.2117
67.000	0.2221
68.000	0.2321
69.000	0.2426
70.000	0.2538
71.000	0.2660
72.000	0.2795
73.000	0.2934
74.000	0.3041
75.000	0.3264
76.000	0.3492
77.000	0.3766
78.000	0.4091
79.000	0.4425
80.000	0.4794
81.000	0.5268
82.000	0.7267
83.000	1.2730
84.000	2.5460
84.250	3.0910

Name: BASIN-3 Base Flow(cfs): 0.000 Init Stage(ft): 81.530
Group: BASE Warn Stage(ft): 88.000
Type: Stage/Area

Stage(ft)	Area(ac)
80.000	2.4286
82.000	5.8194
84.000	9.9374
86.000	15.4540
88.000	21.9330

Name: BASIN-4 Base Flow(cfs): 0.000 Init Stage(ft): 85.680
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
85.000	4.4846
86.000	4.9099
87.000	5.3501

Name: BASIN-5 Base Flow(cfs): 0.000 Init Stage(ft): 87.760
Group: BASE Warn Stage(ft): 89.000
Type: Stage/Area

Stage(ft)	Area(ac)
87.000	10.9942
88.000	11.9513
89.000	13.1792

Name: BASIN-6 Base Flow(cfs): 0.000 Init Stage(ft): 85.280
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
85.000	8.7930
86.000	9.3921
87.000	10.0137

Name: BASIN-7 Base Flow(cfs): 0.000 Init Stage(ft): 78.650
Group: BASE Warn Stage(ft): 80.000
Type: Stage/Area

Stage(ft)	Area(ac)
78.000	7.1389
79.000	7.6506
80.000	8.4832

Name: BASIN-8 Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
86.000	0.6130
87.000	1.4340

Name: BASIN-9 Base Flow(cfs): 0.000 Init Stage(ft): 77.490
Group: BASE Warn Stage(ft): 79.750
Type: Stage/Area

Stage(ft)	Area(ac)
77.000	3.4896

78.000	3.8340
79.000	4.1932
79.750	4.9064

Name: GROUND Base Flow(cfs): 0.000 Init Stage(ft): 12.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	12.000
99999.00	12.000

Name: OUTFALL-8 Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	86.000
9999.00	86.000

Cross Sections

Name: WEIR-15 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	85.000	0.150000
5.843	84.930	0.150000
13.189	84.730	0.150000
16.834	84.820	0.150000
38.550	84.920	0.150000

Name: WEIR-2 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	84.510	0.150000
6.644	84.450	0.150000
12.506	84.500	0.150000

```
------------------------------------------------------------------------
              Name: WEIR-5                       Group: BASE
      Encroachment: No


    Station(ft)   Elevation(ft)     Manning's N
--------------- --------------- ---------------
          0.000          89.500        0.150000
         25.355          89.260        0.150000
         48.181          89.130        0.150000
         71.919          89.180        0.150000
        120.634          89.370        0.150000

------------------------------------------------------------------------
              Name: WEIR-6                       Group: BASE
      Encroachment: No


    Station(ft)   Elevation(ft)     Manning's N
--------------- --------------- ---------------
          0.000          87.160        0.150000
         10.469          87.110        0.150000
         18.933          87.120        0.150000
         37.974          87.160        0.150000
         42.827          87.180        0.150000

================================================================================================
==== Pipes =====================================================================================
================================================================================================

         Name: PIPE-8              From Node: BASIN-8           Length(ft): 58.47
        Group: BASE                  To Node: OUTFALL-8             Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Vert Ellipse   Vert Ellipse                        Flow: Both
     Span(in): 14.00          14.00                     Entrance Loss Coef: 0.00
     Rise(in): 22.00          22.00                         Exit Loss Coef: 1.00
   Invert(ft): 83.970         83.840                        Bend Loss Coef: 0.00
  Manning's N: 0.011000       0.011000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                    Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Vertical Ellipse Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Vertical Ellipse Concrete: Square edge w/ headwall


================================================================================================
```

==== Weirs ==
==

```
         Name: WEIR-13             From Node: BASIN-13
        Group: BASE                  To Node: BASIN-2
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
       Left Side Slope(h/v): 5.00
      Right Side Slope(h/v): 5.00
                  Invert(ft): 88.900
       Control Elevation(ft): 88.900
      Struct Opening Dim(ft): 9999.00
                                        TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600
```

```
         Name: WEIR-15             From Node: BASIN-15
        Group: BASE                  To Node: BASIN-10
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-15
                  Invert(ft): 84.730
       Control Elevation(ft): 84.730
      Struct Opening Dim(ft): 9999.00
                                        TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600
```

```
         Name: WEIR-2              From Node: BASIN-2
        Group: BASE                  To Node: BASIN-12
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-2
                  Invert(ft): 84.450
       Control Elevation(ft): 84.450
      Struct Opening Dim(ft): 9999.00
                                        TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
         Name: WEIR-5              From Node: BASIN-5
        Group: BASE                  To Node: BASIN-6
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-5
                 Invert(ft): 89.080
       Control Elevation(ft): 89.080
      Struct Opening Dim(ft): 9999.00
                                       TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: WEIR-6              From Node: BASIN-6
        Group: BASE                  To Node: BASIN-9
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-6
                 Invert(ft): 87.110
       Control Elevation(ft): 87.110
      Struct Opening Dim(ft): 9999.00
                                       TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



===============================================================================================
==== Percolation Links ========================================================================
===============================================================================================

         Name: PERC-1              From Node: BASIN-1                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
    Vertical Flow Termination: Horizontal Flow Algorithm
        Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1032.000
         Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1200.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 1201.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
            Suction Head(in): 4.170                      Num Cells 2 to 3: 50
         Layer Thickness(ft): 39.000
```

```
-------------------------------------------------------------------------------------------------
         Name: PERC-10             From Node: BASIN-10                Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 3371.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 3373.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 3374.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
           Suction Head(in): 4.170                         Num Cells 2 to 3: 50
        Layer Thickness(ft): 27.000



-------------------------------------------------------------------------------------------------
         Name: PERC-11             From Node: BASIN-11                Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 727.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1000.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1001.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
           Suction Head(in): 4.170                         Num Cells 2 to 3: 50
        Layer Thickness(ft): 36.000



-------------------------------------------------------------------------------------------------
         Name: PERC-12             From Node: BASIN-12                Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 910.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1100.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1101.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
           Suction Head(in): 4.170                         Num Cells 2 to 3: 50
        Layer Thickness(ft): 37.000
```

```
-------------------------------------------------------------------------------------------------
        Name: PERC-13            From Node: BASIN-13               Flow: Positive
       Group: BASE                 To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
  Vertical Flow Termination: Horizontal Flow Algorithm
      Aquifer Base Elev(ft): 0.000                       Perimeter 1(ft): 324.000
       Water Table Elev(ft): 45.000                      Perimeter 2(ft): 600.000
 Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 601.000
 Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
  Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
    Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
          Suction Head(in): 4.170                      Num Cells 2 to 3: 50
       Layer Thickness(ft): 35.000




-------------------------------------------------------------------------------------------------
        Name: PERC-14            From Node: BASIN-14               Flow: Positive
       Group: BASE                 To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
  Vertical Flow Termination: Horizontal Flow Algorithm
      Aquifer Base Elev(ft): 0.000                       Perimeter 1(ft): 727.000
       Water Table Elev(ft): 45.000                      Perimeter 2(ft): 1000.000
 Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 1001.000
 Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
  Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
    Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
          Suction Head(in): 4.170                      Num Cells 2 to 3: 50
       Layer Thickness(ft): 30.000




-------------------------------------------------------------------------------------------------
        Name: PERC-15            From Node: BASIN-15               Flow: Positive
       Group: BASE                 To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
  Vertical Flow Termination: Horizontal Flow Algorithm
      Aquifer Base Elev(ft): 0.000                       Perimeter 1(ft): 1361.000
       Water Table Elev(ft): 45.000                      Perimeter 2(ft): 1500.000
 Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 1501.000
 Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
  Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
    Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
          Suction Head(in): 4.170                      Num Cells 2 to 3: 50
       Layer Thickness(ft): 38.000




-------------------------------------------------------------------------------------------------
```

```
        Name: PERC-2              From Node: BASIN-2                 Flow: Positive
       Group: BASE                  To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                         Perimeter 1(ft): 1359.000
        Water Table Elev(ft): 45.000                        Perimeter 2(ft): 1475.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 1476.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                        Num Cells 2 to 3: 50
        Layer Thickness(ft): 0.000



--------------------------------------------------------------------------------------------------
        Name: PERC-3              From Node: BASIN-3                 Flow: Positive
       Group: BASE                  To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                         Perimeter 1(ft): 3996.000
        Water Table Elev(ft): 45.000                        Perimeter 2(ft): 4130.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 4131.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                        Num Cells 2 to 3: 50
        Layer Thickness(ft): 35.000



--------------------------------------------------------------------------------------------------
        Name: PERC-4              From Node: BASIN-4                 Flow: Positive
       Group: BASE                  To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                         Perimeter 1(ft): 1950.000
        Water Table Elev(ft): 45.000                        Perimeter 2(ft): 2261.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 2262.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                        Num Cells 2 to 3: 50
        Layer Thickness(ft): 40.000



--------------------------------------------------------------------------------------------------
        Name: PERC-5              From Node: BASIN-5                 Flow: Positive
       Group: BASE                  To Node: GROUND                Count: 1
```

```
        Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 4966.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 4967.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 4968.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 52.000



-------------------------------------------------------------------------------------------------
         Name: PERC-6             From Node: BASIN-6                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 2747.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 2977.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 2978.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 40.000



-------------------------------------------------------------------------------------------------
         Name: PERC-7             From Node: BASIN-7                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 2492.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 2700.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 2701.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 33.000



-------------------------------------------------------------------------------------------------
         Name: PERC-8             From Node: BASIN-8                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
```

```
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1157.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1300.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 1301.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
          Layer Thickness(ft): 41.000



-------------------------------------------------------------------------------------------------
         Name: PERC-9             From Node: BASIN-9                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1596.520
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1910.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 1911.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
          Layer Thickness(ft): 32.000



=================================================================================================
==== Hydrology Simulations =====================================================================
=================================================================================================

         Name: WQTV
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: Fdot-1
    Rainfall Amount(in): 0.01

Time(hrs)       Print Inc(min)
--------------- ---------------
80.000          5.00

=================================================================================================
==== Routing Simulations =======================================================================
=================================================================================================

         Name: WQTV               Hydrology Sim: WQTV
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No
```

```
        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 80.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 30.0000
        Boundary Stages:                         Boundary Flows:
```

Time(hrs)	Print Inc(min)
80.000	5.000

Group	Run
BASE	Yes

Alachua Solar Post-Development WQTV Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-1	BASE	0.00	85.28	86.00	20677	0.00	0.00	0.0	0.0
WQTV	BASIN-1	BASE	0.08	85.28	86.00	20602	0.00	0.24	0.0	0.0
WQTV	BASIN-1	BASE	0.17	85.27	86.00	20528	0.00	0.24	0.0	0.0
WQTV	BASIN-1	BASE	0.25	85.27	86.00	20453	0.00	0.24	0.0	0.0
WQTV	BASIN-1	BASE	0.33	85.27	86.00	20379	0.00	0.24	0.0	0.0
WQTV	BASIN-1	BASE	0.42	85.26	86.00	20304	0.00	0.24	0.0	0.0
WQTV	BASIN-1	BASE	0.50	85.26	86.00	20230	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	0.58	85.26	86.00	20155	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	0.67	85.25	86.00	20081	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	0.75	85.25	86.00	20006	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	0.83	85.25	86.00	19932	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	0.92	85.24	86.00	19856	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	1.00	85.24	86.00	19782	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	1.09	85.23	86.00	19707	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	1.17	85.23	86.00	19633	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	1.25	85.23	86.00	19558	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	1.33	85.22	86.00	19485	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	1.42	85.22	86.00	19410	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	1.50	85.22	86.00	19335	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	1.59	85.21	86.00	19259	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	1.67	85.21	86.00	19186	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	1.75	85.21	86.00	19111	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	1.83	85.20	86.00	19038	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	1.92	85.20	86.00	18962	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	2.00	85.20	86.00	18889	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	2.09	85.19	86.00	18812	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	2.17	85.19	86.00	18740	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	2.25	85.19	86.00	18665	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	2.34	85.18	86.00	18589	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	2.42	85.18	86.00	18517	0.00	0.21	0.0	0.0
WQTV	BASIN-1	BASE	2.50	85.18	86.00	18441	0.00	0.21	0.0	0.0
WQTV	BASIN-1	BASE	2.59	85.17	86.00	18365	0.00	0.21	0.0	0.0
WQTV	BASIN-1	BASE	2.67	85.17	86.00	18294	0.00	0.21	0.0	0.0
WQTV	BASIN-1	BASE	2.75	85.17	86.00	18218	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	2.84	85.16	86.00	18140	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	2.92	85.16	86.00	18069	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	3.00	85.15	86.00	17994	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	3.09	85.15	86.00	17918	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	3.17	85.15	86.00	17842	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	3.25	85.14	86.00	17771	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	3.34	85.14	86.00	17695	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.42	85.14	86.00	17620	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.50	85.13	86.00	17549	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.58	85.13	86.00	17473	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.67	85.13	86.00	17397	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.75	85.12	86.00	17322	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.83	85.12	86.00	17251	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.92	85.12	86.00	17174	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	4.01	85.11	86.00	17097	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	4.09	85.11	86.00	17026	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	4.17	85.11	86.00	16949	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	4.25	85.10	86.00	16878	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	4.34	85.10	86.00	16801	0.00	0.19	0.0	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-1	BASE	4.42	85.10	86.00	16724	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	4.50	85.09	86.00	16653	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	4.59	85.09	86.00	16576	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	4.67	85.09	86.00	16505	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	4.75	85.08	86.00	16428	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	4.84	85.08	86.00	16351	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	4.92	85.08	86.00	16280	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	5.01	85.07	86.00	16204	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	5.09	85.07	86.00	16130	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	5.17	85.06	86.00	16056	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	5.25	85.06	86.00	15982	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.34	85.06	86.00	15908	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.42	85.05	86.00	15834	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.50	85.05	86.00	15760	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.58	85.05	86.00	15686	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.67	85.04	86.00	15612	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.75	85.04	86.00	15538	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.84	85.04	86.00	15457	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.92	85.03	86.00	15383	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	6.01	85.03	86.00	15309	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	6.09	85.03	86.00	15235	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	6.17	85.02	86.00	15161	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	6.25	85.02	86.00	15087	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.34	85.02	86.00	15013	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.42	85.01	86.00	14939	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.50	85.01	86.00	14865	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.59	85.01	86.00	14791	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.67	85.00	86.00	14717	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.75	85.00	86.00	14658	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.83	85.00	86.00	14624	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.92	84.99	86.00	14590	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.00	84.99	86.00	14556	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.08	84.98	86.00	14522	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.17	84.98	86.00	14488	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.25	84.98	86.00	14453	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.33	84.97	86.00	14419	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.42	84.97	86.00	14385	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.50	84.97	86.00	14351	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.58	84.96	86.00	14317	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.67	84.96	86.00	14283	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.75	84.96	86.00	14248	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	7.83	84.95	86.00	14214	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	7.92	84.95	86.00	14180	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.00	84.95	86.00	14146	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.08	84.94	86.00	14112	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.17	84.94	86.00	14078	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.25	84.94	86.00	14043	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.33	84.93	86.00	14009	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.42	84.93	86.00	13975	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.50	84.93	86.00	13941	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.58	84.92	86.00	13907	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.67	84.92	86.00	13873	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.75	84.92	86.00	13838	0.00	0.16	0.0	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-1	BASE	8.83	84.91	86.00	13804	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.92	84.91	86.00	13770	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.00	84.90	86.00	13736	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.08	84.90	86.00	13702	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.17	84.90	86.00	13668	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.25	84.89	86.00	13633	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.33	84.89	86.00	13599	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.42	84.89	86.00	13565	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.50	84.88	86.00	13531	0.00	0.16	0.0	0.2
WQTV	BASIN-1	BASE	9.58	84.88	86.00	13497	0.00	0.16	0.0	0.2
WQTV	BASIN-1	BASE	9.67	84.88	86.00	13463	0.00	0.16	0.0	0.2
WQTV	BASIN-1	BASE	9.75	84.87	86.00	13428	0.00	0.16	0.0	0.2
WQTV	BASIN-1	BASE	9.83	84.87	86.00	13394	0.00	0.16	0.0	0.2
WQTV	BASIN-1	BASE	9.92	84.87	86.00	13360	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.00	84.86	86.00	13326	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.08	84.86	86.00	13292	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.17	84.86	86.00	13258	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.25	84.85	86.00	13223	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.33	84.85	86.00	13189	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.42	84.85	86.00	13155	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.50	84.84	86.00	13121	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.58	84.84	86.00	13087	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.67	84.84	86.00	13053	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.75	84.83	86.00	13018	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.83	84.83	86.00	12984	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.92	84.83	86.00	12950	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.00	84.82	86.00	12916	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.08	84.82	86.00	12882	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.17	84.81	86.00	12848	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.25	84.81	86.00	12813	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.33	84.81	86.00	12779	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.42	84.80	86.00	12745	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.50	84.80	86.00	12711	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.58	84.80	86.00	12677	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.67	84.79	86.00	12643	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.75	84.79	86.00	12608	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.83	84.79	86.00	12574	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.92	84.78	86.00	12540	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	12.00	84.78	86.00	12506	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.08	84.78	86.00	12472	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.17	84.77	86.00	12438	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.25	84.77	86.00	12403	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.33	84.77	86.00	12369	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.42	84.76	86.00	12335	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.50	84.76	86.00	12301	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.58	84.76	86.00	12267	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.67	84.75	86.00	12233	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.75	84.75	86.00	12198	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.83	84.75	86.00	12164	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.92	84.74	86.00	12130	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.00	84.74	86.00	12096	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.08	84.73	86.00	12062	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.17	84.73	86.00	12028	0.00	0.14	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-1	BASE	13.25	84.73	86.00	11993	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.33	84.72	86.00	11959	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.42	84.72	86.00	11925	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.50	84.72	86.00	11891	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.58	84.71	86.00	11857	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.67	84.71	86.00	11823	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.75	84.71	86.00	11788	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.83	84.70	86.00	11754	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.92	84.70	86.00	11720	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	14.00	84.70	86.00	11686	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	14.08	84.69	86.00	11652	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.17	84.69	86.00	11618	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.25	84.69	86.00	11583	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.33	84.68	86.00	11549	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.42	84.68	86.00	11515	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.50	84.68	86.00	11481	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.58	84.67	86.00	11447	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.67	84.67	86.00	11413	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.75	84.67	86.00	11378	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.83	84.66	86.00	11344	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.92	84.66	86.00	11310	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.00	84.65	86.00	11276	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.08	84.65	86.00	11242	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.17	84.65	86.00	11208	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.25	84.64	86.00	11173	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.33	84.64	86.00	11139	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.42	84.64	86.00	11105	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.50	84.63	86.00	11071	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.58	84.63	86.00	11037	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.67	84.63	86.00	11003	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.75	84.62	86.00	10968	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.83	84.62	86.00	10934	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.92	84.62	86.00	10900	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	16.00	84.61	86.00	10866	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	16.08	84.61	86.00	10832	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	16.17	84.61	86.00	10798	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.25	84.60	86.00	10763	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.33	84.60	86.00	10729	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.42	84.60	86.00	10695	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.50	84.59	86.00	10661	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.58	84.59	86.00	10627	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.67	84.59	86.00	10593	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.75	84.58	86.00	10558	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.83	84.58	86.00	10524	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.92	84.58	86.00	10490	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.00	84.57	86.00	10456	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.08	84.57	86.00	10422	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.17	84.56	86.00	10388	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.25	84.56	86.00	10353	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.33	84.56	86.00	10319	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.42	84.55	86.00	10285	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.50	84.55	86.00	10251	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.58	84.55	86.00	10217	0.00	0.12	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-1	BASE	17.67	84.54	86.00	10183	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.75	84.54	86.00	10148	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.83	84.54	86.00	10114	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.92	84.53	86.00	10080	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	18.00	84.53	86.00	10046	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	18.08	84.53	86.00	10012	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	18.17	84.52	86.00	9978	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	18.25	84.52	86.00	9943	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	18.33	84.52	86.00	9909	0.00	0.11	0.0	0.2
WQTV	BASIN-1	BASE	18.42	84.51	86.00	9875	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	18.50	84.51	86.00	9841	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	18.58	84.51	86.00	9807	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	18.67	84.50	86.00	9773	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	18.75	84.50	86.00	9738	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	18.83	84.50	86.00	9704	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	18.92	84.49	86.00	9670	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.00	84.49	86.00	9636	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.08	84.48	86.00	9602	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.17	84.48	86.00	9568	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.25	84.48	86.00	9533	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.33	84.47	86.00	9499	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.42	84.47	86.00	9465	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.50	84.47	86.00	9431	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.58	84.46	86.00	9397	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.67	84.46	86.00	9363	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.75	84.46	86.00	9328	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.83	84.45	86.00	9294	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.92	84.45	86.00	9260	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	20.00	84.45	86.00	9226	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	20.08	84.44	86.00	9192	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	20.17	84.44	86.00	9158	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	20.25	84.44	86.00	9123	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	20.33	84.43	86.00	9089	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	20.42	84.43	86.00	9055	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	20.50	84.43	86.00	9021	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	20.58	84.42	86.00	8987	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	20.67	84.42	86.00	8953	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	20.75	84.42	86.00	8918	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	20.83	84.41	86.00	8884	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	20.92	84.41	86.00	8850	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.00	84.40	86.00	8816	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.08	84.40	86.00	8782	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.17	84.40	86.00	8748	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.25	84.39	86.00	8713	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.33	84.39	86.00	8679	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.42	84.39	86.00	8645	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.50	84.38	86.00	8611	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.58	84.38	86.00	8577	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.67	84.38	86.00	8543	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.75	84.37	86.00	8508	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.83	84.37	86.00	8474	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.92	84.37	86.00	8440	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	22.00	84.36	86.00	8406	0.00	0.10	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-1	BASE	22.08	84.36	86.00	8372	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	22.17	84.36	86.00	8338	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	22.25	84.35	86.00	8303	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	22.33	84.35	86.00	8269	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	22.42	84.35	86.00	8235	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	22.50	84.34	86.00	8201	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	22.58	84.34	86.00	8167	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	22.67	84.34	86.00	8132	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	22.75	84.33	86.00	8098	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	22.83	84.33	86.00	8064	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	22.92	84.33	86.00	8030	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.00	84.32	86.00	7996	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.08	84.32	86.00	7962	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.17	84.31	86.00	7927	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.25	84.31	86.00	7893	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.33	84.31	86.00	7859	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.42	84.30	86.00	7825	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.50	84.30	86.00	7791	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.58	84.30	86.00	7757	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.67	84.29	86.00	7722	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.75	84.29	86.00	7688	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.83	84.29	86.00	7654	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.92	84.28	86.00	7620	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.00	84.28	86.00	7586	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.08	84.28	86.00	7552	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.17	84.27	86.00	7517	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.25	84.27	86.00	7483	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.33	84.27	86.00	7449	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.42	84.26	86.00	7415	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.50	84.26	86.00	7381	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.58	84.26	86.00	7347	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.67	84.25	86.00	7312	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	24.75	84.25	86.00	7278	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	24.83	84.25	86.00	7244	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	24.92	84.24	86.00	7210	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.00	84.24	86.00	7176	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.08	84.23	86.00	7142	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.17	84.23	86.00	7107	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.25	84.23	86.00	7073	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.33	84.22	86.00	7039	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.42	84.22	86.00	7005	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.50	84.22	86.00	6971	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.58	84.21	86.00	6937	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.67	84.21	86.00	6902	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.75	84.21	86.00	6868	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.83	84.20	86.00	6834	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.92	84.20	86.00	6800	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	26.00	84.20	86.00	6766	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	26.08	84.19	86.00	6732	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	26.17	84.19	86.00	6697	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	26.25	84.19	86.00	6663	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	26.33	84.18	86.00	6629	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	26.42	84.18	86.00	6595	0.00	0.08	0.0	0.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-1	BASE	26.50	84.18	86.00	6561	0.00	0.08	0.0	0.3	
WQTV	BASIN-1	BASE	26.58	84.17	86.00	6527	0.00	0.08	0.0	0.3	
WQTV	BASIN-1	BASE	26.67	84.17	86.00	6492	0.00	0.08	0.0	0.3	
WQTV	BASIN-1	BASE	26.75	84.17	86.00	6458	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	26.83	84.16	86.00	6424	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	26.92	84.16	86.00	6390	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.00	84.15	86.00	6356	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.08	84.15	86.00	6322	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.17	84.15	86.00	6287	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.25	84.14	86.00	6253	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.33	84.14	86.00	6219	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.42	84.14	86.00	6185	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.50	84.13	86.00	6151	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.58	84.13	86.00	6117	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.67	84.13	86.00	6082	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.75	84.12	86.00	6048	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.83	84.12	86.00	6014	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.92	84.12	86.00	5980	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.00	84.11	86.00	5946	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.08	84.11	86.00	5912	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.17	84.11	86.00	5877	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.25	84.10	86.00	5843	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.33	84.10	86.00	5809	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.42	84.10	86.00	5775	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.50	84.09	86.00	5741	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.58	84.09	86.00	5707	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.67	84.09	86.00	5672	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.75	84.08	86.00	5638	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.83	84.08	86.00	5604	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	28.92	84.08	86.00	5570	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.00	84.07	86.00	5536	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.08	84.07	86.00	5502	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.17	84.06	86.00	5467	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.25	84.06	86.00	5433	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.33	84.06	86.00	5399	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.42	84.05	86.00	5365	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.50	84.05	86.00	5331	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.58	84.05	86.00	5297	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.67	84.04	86.00	5262	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.75	84.04	86.00	5228	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.83	84.04	86.00	5194	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.92	84.03	86.00	5160	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.00	84.03	86.00	5126	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.08	84.03	86.00	5092	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.17	84.02	86.00	5057	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.25	84.02	86.00	5023	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.33	84.02	86.00	4989	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.42	84.01	86.00	4955	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.50	84.01	86.00	4921	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.58	84.01	86.00	4887	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.67	84.00	86.00	4852	0.00	0.06	0.0	0.3	BASIN-1 WQTV
WQTV	BASIN-1	BASE	30.75	84.00	86.00	4831	0.00	0.00	0.0	0.3	
WQTV	BASIN-1	BASE	30.83	84.00	86.00	4831	0.00	0.00	0.0	0.3	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-1	BASE	79.50	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	79.58	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	79.67	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	79.75	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	79.83	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	79.92	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	80.00	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	80.00	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-10	BASE	0.00	73.19	79.00	43427	0.00	0.00	0.0	0.0
WQTV	BASIN-10	BASE	0.08	73.19	79.00	43307	0.00	0.50	0.0	0.0
WQTV	BASIN-10	BASE	0.17	73.18	79.00	43187	0.00	0.50	0.0	0.0
WQTV	BASIN-10	BASE	0.25	73.18	79.00	43067	0.00	0.50	0.0	0.0
WQTV	BASIN-10	BASE	0.33	73.18	79.00	42947	0.00	0.50	0.0	0.0
WQTV	BASIN-10	BASE	0.42	73.17	79.00	42827	0.00	0.50	0.0	0.0
WQTV	BASIN-10	BASE	0.50	73.17	79.00	42708	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	0.58	73.17	79.00	42588	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	0.67	73.16	79.00	42468	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	0.75	73.16	79.00	42348	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	0.83	73.16	79.00	42227	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	0.92	73.15	79.00	42106	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	1.00	73.15	79.00	41987	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	1.09	73.14	79.00	41865	0.00	0.48	0.0	0.0
WQTV	BASIN-10	BASE	1.17	73.14	79.00	41746	0.00	0.48	0.0	0.0
WQTV	BASIN-10	BASE	1.25	73.14	79.00	41625	0.00	0.48	0.0	0.0
WQTV	BASIN-10	BASE	1.33	73.13	79.00	41508	0.00	0.48	0.0	0.1
WQTV	BASIN-10	BASE	1.42	73.13	79.00	41387	0.00	0.48	0.0	0.1
WQTV	BASIN-10	BASE	1.50	73.13	79.00	41266	0.00	0.48	0.0	0.1
WQTV	BASIN-10	BASE	1.59	73.12	79.00	41144	0.00	0.48	0.0	0.1
WQTV	BASIN-10	BASE	1.67	73.12	79.00	41027	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	1.75	73.12	79.00	40905	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	1.83	73.11	79.00	40788	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	1.92	73.11	79.00	40666	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	2.00	73.11	79.00	40549	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	2.09	73.10	79.00	40425	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	2.17	73.10	79.00	40309	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	2.25	73.10	79.00	40187	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	2.34	73.09	79.00	40065	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.42	73.09	79.00	39949	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.50	73.09	79.00	39827	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.59	73.08	79.00	39705	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.67	73.08	79.00	39590	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.75	73.08	79.00	39468	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.84	73.07	79.00	39343	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.92	73.07	79.00	39228	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.00	73.06	79.00	39107	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.09	73.06	79.00	38985	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.17	73.06	79.00	38863	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.25	73.05	79.00	38748	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.34	73.05	79.00	38626	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.42	73.05	79.00	38505	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.50	73.04	79.00	38390	0.00	0.44	0.0	0.1
WQTV	BASIN-10	BASE	3.58	73.04	79.00	38268	0.00	0.44	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-10	BASE	3.67	73.04	79.00	38146	0.00	0.44	0.0	0.1
WQTV	BASIN-10	BASE	3.75	73.03	79.00	38024	0.00	0.44	0.0	0.1
WQTV	BASIN-10	BASE	3.83	73.03	79.00	37910	0.00	0.44	0.0	0.1
WQTV	BASIN-10	BASE	3.92	73.03	79.00	37786	0.00	0.44	0.0	0.2
WQTV	BASIN-10	BASE	4.01	73.02	79.00	37662	0.00	0.44	0.0	0.2
WQTV	BASIN-10	BASE	4.09	73.02	79.00	37548	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.17	73.02	79.00	37424	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.25	73.01	79.00	37310	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.34	73.01	79.00	37186	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.42	73.01	79.00	37062	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.50	73.00	79.00	36948	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.59	73.00	79.00	36834	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.67	73.00	79.00	36746	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.75	72.99	79.00	36651	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	4.84	72.99	79.00	36556	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	4.92	72.99	79.00	36469	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.01	72.98	79.00	36374	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.09	72.98	79.00	36283	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.17	72.97	79.00	36192	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.25	72.97	79.00	36101	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.34	72.97	79.00	36009	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.42	72.96	79.00	35918	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.50	72.96	79.00	35827	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	5.58	72.96	79.00	35736	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	5.67	72.95	79.00	35645	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	5.75	72.95	79.00	35553	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	5.84	72.95	79.00	35453	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	5.92	72.94	79.00	35362	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	6.01	72.94	79.00	35271	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	6.09	72.94	79.00	35179	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	6.17	72.93	79.00	35088	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	6.25	72.93	79.00	34997	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	6.34	72.93	79.00	34906	0.00	0.40	0.0	0.2
WQTV	BASIN-10	BASE	6.42	72.92	79.00	34815	0.00	0.40	0.0	0.2
WQTV	BASIN-10	BASE	6.50	72.92	79.00	34723	0.00	0.40	0.0	0.2
WQTV	BASIN-10	BASE	6.59	72.92	79.00	34632	0.00	0.40	0.0	0.2
WQTV	BASIN-10	BASE	6.67	72.91	79.00	34541	0.00	0.40	0.0	0.2
WQTV	BASIN-10	BASE	6.75	72.91	79.00	34450	0.00	0.40	0.0	0.2
WQTV	BASIN-10	BASE	6.83	72.91	79.00	34358	0.00	0.40	0.0	0.3
WQTV	BASIN-10	BASE	6.92	72.90	79.00	34267	0.00	0.40	0.0	0.3
WQTV	BASIN-10	BASE	7.00	72.90	79.00	34175	0.00	0.40	0.0	0.3
WQTV	BASIN-10	BASE	7.08	72.89	79.00	34083	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.17	72.89	79.00	33991	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.25	72.89	79.00	33899	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.33	72.88	79.00	33807	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.42	72.88	79.00	33715	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.50	72.88	79.00	33624	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.58	72.87	79.00	33532	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.67	72.87	79.00	33440	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.75	72.87	79.00	33348	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.83	72.86	79.00	33256	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	7.92	72.86	79.00	33164	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.00	72.86	79.00	33072	0.00	0.38	0.0	0.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-10	BASE	8.08	72.85	79.00	32981	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.17	72.85	79.00	32889	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.25	72.85	79.00	32797	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.33	72.84	79.00	32705	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.42	72.84	79.00	32613	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.50	72.84	79.00	32521	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.58	72.83	79.00	32429	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.67	72.83	79.00	32338	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	8.75	72.83	79.00	32246	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	8.83	72.82	79.00	32154	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	8.92	72.82	79.00	32062	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	9.00	72.81	79.00	31970	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	9.08	72.81	79.00	31878	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	9.17	72.81	79.00	31786	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	9.25	72.80	79.00	31695	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	9.33	72.80	79.00	31603	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	9.42	72.80	79.00	31511	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	9.50	72.79	79.00	31419	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	9.58	72.79	79.00	31327	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	9.67	72.79	79.00	31235	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	9.75	72.78	79.00	31144	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	9.83	72.78	79.00	31052	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	9.92	72.78	79.00	30960	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	10.00	72.77	79.00	30868	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	10.08	72.77	79.00	30776	0.00	0.36	0.0	0.4
WQTV	BASIN-10	BASE	10.17	72.77	79.00	30684	0.00	0.36	0.0	0.4
WQTV	BASIN-10	BASE	10.25	72.76	79.00	30592	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.33	72.76	79.00	30501	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.42	72.76	79.00	30409	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.50	72.75	79.00	30317	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.58	72.75	79.00	30225	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.67	72.75	79.00	30133	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.75	72.74	79.00	30041	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.83	72.74	79.00	29949	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.92	72.74	79.00	29858	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	11.00	72.73	79.00	29766	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.08	72.73	79.00	29674	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.17	72.72	79.00	29582	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.25	72.72	79.00	29490	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.33	72.72	79.00	29398	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.42	72.71	79.00	29306	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.50	72.71	79.00	29215	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.58	72.71	79.00	29123	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.67	72.70	79.00	29031	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.75	72.70	79.00	28939	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	11.83	72.70	79.00	28847	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	11.92	72.69	79.00	28755	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.00	72.69	79.00	28663	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.08	72.69	79.00	28572	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.17	72.68	79.00	28480	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.25	72.68	79.00	28388	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.33	72.68	79.00	28296	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.42	72.67	79.00	28204	0.00	0.33	0.0	0.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-10	BASE	12.50	72.67	79.00	28112	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.58	72.67	79.00	28020	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	12.67	72.66	79.00	27929	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	12.75	72.66	79.00	27837	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	12.83	72.66	79.00	27745	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	12.92	72.65	79.00	27653	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	13.00	72.65	79.00	27561	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	13.08	72.64	79.00	27469	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	13.17	72.64	79.00	27377	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	13.25	72.64	79.00	27286	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	13.33	72.63	79.00	27194	0.00	0.31	0.0	0.4
WQTV	BASIN-10	BASE	13.42	72.63	79.00	27102	0.00	0.31	0.0	0.4
WQTV	BASIN-10	BASE	13.50	72.63	79.00	27010	0.00	0.31	0.0	0.4
WQTV	BASIN-10	BASE	13.58	72.62	79.00	26918	0.00	0.31	0.0	0.4
WQTV	BASIN-10	BASE	13.67	72.62	79.00	26826	0.00	0.31	0.0	0.5
WQTV	BASIN-10	BASE	13.75	72.62	79.00	26735	0.00	0.31	0.0	0.5
WQTV	BASIN-10	BASE	13.83	72.61	79.00	26643	0.00	0.31	0.0	0.5
WQTV	BASIN-10	BASE	13.92	72.61	79.00	26551	0.00	0.31	0.0	0.5
WQTV	BASIN-10	BASE	14.00	72.61	79.00	26459	0.00	0.31	0.0	0.5
WQTV	BASIN-10	BASE	14.08	72.60	79.00	26367	0.00	0.31	0.0	0.5
WQTV	BASIN-10	BASE	14.17	72.60	79.00	26275	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.25	72.60	79.00	26183	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.33	72.59	79.00	26092	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.42	72.59	79.00	26000	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.50	72.59	79.00	25908	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.58	72.58	79.00	25816	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.67	72.58	79.00	25724	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.75	72.58	79.00	25632	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.83	72.57	79.00	25540	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.92	72.57	79.00	25449	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.00	72.56	79.00	25357	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.08	72.56	79.00	25265	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.17	72.56	79.00	25173	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.25	72.55	79.00	25081	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.33	72.55	79.00	24989	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.42	72.55	79.00	24897	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.50	72.54	79.00	24806	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.58	72.54	79.00	24714	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.67	72.54	79.00	24622	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	15.75	72.53	79.00	24530	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	15.83	72.53	79.00	24438	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	15.92	72.53	79.00	24346	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.00	72.52	79.00	24254	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.08	72.52	79.00	24163	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.17	72.52	79.00	24071	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.25	72.51	79.00	23979	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.33	72.51	79.00	23887	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.42	72.51	79.00	23795	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.50	72.50	79.00	23703	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	16.58	72.50	79.00	23611	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	16.67	72.50	79.00	23520	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	16.75	72.49	79.00	23428	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	16.83	72.49	79.00	23336	0.00	0.27	0.0	0.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-10	BASE	16.92	72.49	79.00	23244	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	17.00	72.48	79.00	23152	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	17.08	72.48	79.00	23060	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	17.17	72.47	79.00	22968	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	17.25	72.47	79.00	22877	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.33	72.47	79.00	22785	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.42	72.46	79.00	22693	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.50	72.46	79.00	22601	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.58	72.46	79.00	22509	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.67	72.45	79.00	22417	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.75	72.45	79.00	22326	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.83	72.45	79.00	22234	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.92	72.44	79.00	22142	0.00	0.26	0.0	0.6
WQTV	BASIN-10	BASE	18.00	72.44	79.00	22050	0.00	0.26	0.0	0.6
WQTV	BASIN-10	BASE	18.08	72.44	79.00	21958	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.17	72.43	79.00	21866	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.25	72.43	79.00	21774	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.33	72.43	79.00	21683	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.42	72.42	79.00	21591	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.50	72.42	79.00	21499	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.58	72.42	79.00	21407	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.67	72.41	79.00	21315	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.75	72.41	79.00	21223	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.83	72.41	79.00	21131	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	18.92	72.40	79.00	21040	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.00	72.40	79.00	20948	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.08	72.39	79.00	20856	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.17	72.39	79.00	20764	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.25	72.39	79.00	20672	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.33	72.38	79.00	20580	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.42	72.38	79.00	20488	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.50	72.38	79.00	20397	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.58	72.37	79.00	20305	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.67	72.37	79.00	20213	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	19.75	72.37	79.00	20121	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	19.83	72.36	79.00	20029	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	19.92	72.36	79.00	19937	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	20.00	72.36	79.00	19845	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	20.08	72.35	79.00	19754	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	20.17	72.35	79.00	19662	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	20.25	72.35	79.00	19570	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	20.33	72.34	79.00	19478	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	20.42	72.34	79.00	19386	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	20.50	72.34	79.00	19294	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	20.58	72.33	79.00	19202	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	20.67	72.33	79.00	19111	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	20.75	72.33	79.00	19019	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	20.83	72.32	79.00	18927	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	20.92	72.32	79.00	18835	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	21.00	72.31	79.00	18743	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	21.08	72.31	79.00	18651	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	21.17	72.31	79.00	18559	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.25	72.30	79.00	18468	0.00	0.21	0.0	0.6

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-10	BASE	21.33	72.30	79.00	18376	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.42	72.30	79.00	18284	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.50	72.29	79.00	18192	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.58	72.29	79.00	18100	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.67	72.29	79.00	18008	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.75	72.28	79.00	17917	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.83	72.28	79.00	17825	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.92	72.28	79.00	17733	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	22.00	72.27	79.00	17641	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.08	72.27	79.00	17549	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.17	72.27	79.00	17457	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.25	72.26	79.00	17365	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.33	72.26	79.00	17274	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.42	72.26	79.00	17182	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.50	72.25	79.00	17090	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.58	72.25	79.00	16998	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.67	72.25	79.00	16906	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.75	72.24	79.00	16814	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	22.83	72.24	79.00	16722	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	22.92	72.24	79.00	16631	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	23.00	72.23	79.00	16539	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	23.08	72.23	79.00	16447	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	23.17	72.22	79.00	16355	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	23.25	72.22	79.00	16263	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	23.33	72.22	79.00	16171	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	23.42	72.21	79.00	16079	0.00	0.19	0.0	0.7
WQTV	BASIN-10	BASE	23.50	72.21	79.00	15988	0.00	0.19	0.0	0.7
WQTV	BASIN-10	BASE	23.58	72.21	79.00	15896	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	23.67	72.20	79.00	15804	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	23.75	72.20	79.00	15712	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	23.83	72.20	79.00	15620	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	23.92	72.19	79.00	15528	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	24.00	72.19	79.00	15436	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	24.08	72.19	79.00	15345	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	24.17	72.18	79.00	15253	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	24.25	72.18	79.00	15161	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	24.33	72.18	79.00	15069	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.42	72.17	79.00	14977	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.50	72.17	79.00	14885	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.58	72.17	79.00	14793	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.67	72.16	79.00	14702	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.75	72.16	79.00	14610	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.83	72.16	79.00	14518	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.92	72.15	79.00	14426	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	25.00	72.15	79.00	14334	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	25.08	72.14	79.00	14242	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.17	72.14	79.00	14150	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.25	72.14	79.00	14059	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.33	72.13	79.00	13967	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.42	72.13	79.00	13875	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.50	72.13	79.00	13783	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.58	72.12	79.00	13691	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.67	72.12	79.00	13599	0.00	0.16	0.0	0.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-10	BASE	25.75	72.12	79.00	13508	0.00	0.16	0.0	0.7	
WQTV	BASIN-10	BASE	25.83	72.11	79.00	13416	0.00	0.16	0.0	0.7	
WQTV	BASIN-10	BASE	25.92	72.11	79.00	13324	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.00	72.11	79.00	13232	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.08	72.10	79.00	13140	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.17	72.10	79.00	13048	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.25	72.10	79.00	12956	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.33	72.09	79.00	12865	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.42	72.09	79.00	12773	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.50	72.09	79.00	12681	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.58	72.08	79.00	12589	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.67	72.08	79.00	12497	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	26.75	72.08	79.00	12405	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	26.83	72.07	79.00	12313	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	26.92	72.07	79.00	12222	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.00	72.06	79.00	12130	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.08	72.06	79.00	12038	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.17	72.06	79.00	11946	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.25	72.05	79.00	11854	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.33	72.05	79.00	11762	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.42	72.05	79.00	11670	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.50	72.04	79.00	11579	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	27.58	72.04	79.00	11487	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	27.67	72.04	79.00	11395	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	27.75	72.03	79.00	11303	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	27.83	72.03	79.00	11211	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	27.92	72.03	79.00	11119	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	28.00	72.02	79.00	11027	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	28.08	72.02	79.00	10936	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	28.17	72.02	79.00	10844	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	28.25	72.01	79.00	10752	0.00	0.12	0.0	0.7	
WQTV	BASIN-10	BASE	28.33	72.01	79.00	10660	0.00	0.12	0.0	0.7	
WQTV	BASIN-10	BASE	28.42	72.01	79.00	10568	0.00	0.12	0.0	0.7	
WQTV	BASIN-10	BASE	28.50	72.00	79.00	10476	0.00	0.12	0.0	0.7	BASIN-10 WQTV
WQTV	BASIN-10	BASE	28.58	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	28.67	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	28.75	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	28.83	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	28.92	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.00	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.08	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.17	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.25	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.33	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.42	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.50	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.58	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.67	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.75	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.83	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.92	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	30.00	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	30.08	72.00	79.00	10411	0.00	0.00	0.0	0.7	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-10	BASE	78.75	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	78.83	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	78.92	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.00	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.08	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.17	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.25	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.33	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.42	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.50	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.58	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.67	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.75	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.83	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.92	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	80.00	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	80.00	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-11	BASE	0.00	82.05	84.00	8786	0.00	0.00	0.0	0.0
WQTV	BASIN-11	BASE	0.08	82.05	84.00	8756	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.17	82.04	84.00	8725	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.25	82.04	84.00	8695	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.33	82.04	84.00	8665	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.42	82.03	84.00	8635	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.50	82.03	84.00	8605	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.58	82.03	84.00	8574	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.67	82.02	84.00	8544	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.75	82.02	84.00	8514	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.83	82.02	84.00	8483	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.92	82.01	84.00	8453	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.00	82.01	84.00	8423	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.09	82.00	84.00	8392	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.17	82.00	84.00	8362	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.25	82.00	84.00	8337	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.33	81.99	84.00	8315	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.42	81.99	84.00	8293	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.50	81.99	84.00	8271	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.59	81.98	84.00	8249	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.67	81.98	84.00	8228	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.75	81.98	84.00	8206	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	1.83	81.97	84.00	8184	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	1.92	81.97	84.00	8162	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.00	81.97	84.00	8141	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.09	81.96	84.00	8118	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.17	81.96	84.00	8097	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.25	81.96	84.00	8075	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.34	81.95	84.00	8052	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.42	81.95	84.00	8031	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.50	81.95	84.00	8009	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.59	81.94	84.00	7987	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.67	81.94	84.00	7966	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.75	81.94	84.00	7944	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.84	81.93	84.00	7921	0.00	0.09	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-11	BASE	2.92	81.93	84.00	7900	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.00	81.92	84.00	7878	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.09	81.92	84.00	7856	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.17	81.92	84.00	7833	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.25	81.91	84.00	7812	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.34	81.91	84.00	7790	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.42	81.91	84.00	7768	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.50	81.90	84.00	7747	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.58	81.90	84.00	7725	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.67	81.90	84.00	7703	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.75	81.89	84.00	7681	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.83	81.89	84.00	7660	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.92	81.89	84.00	7637	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.01	81.88	84.00	7615	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.09	81.88	84.00	7594	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.17	81.88	84.00	7571	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.25	81.87	84.00	7550	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.34	81.87	84.00	7528	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.42	81.87	84.00	7505	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.50	81.86	84.00	7484	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.59	81.86	84.00	7462	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.67	81.86	84.00	7441	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.75	81.85	84.00	7418	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.84	81.85	84.00	7396	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.92	81.85	84.00	7375	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	5.01	81.84	84.00	7352	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	5.09	81.84	84.00	7331	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.17	81.83	84.00	7309	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.25	81.83	84.00	7287	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.34	81.83	84.00	7266	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.42	81.82	84.00	7244	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.50	81.82	84.00	7222	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.58	81.82	84.00	7201	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.67	81.81	84.00	7179	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.75	81.81	84.00	7157	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.84	81.81	84.00	7133	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.92	81.80	84.00	7112	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.01	81.80	84.00	7090	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.09	81.80	84.00	7068	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.17	81.79	84.00	7047	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.25	81.79	84.00	7025	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.34	81.79	84.00	7003	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.42	81.78	84.00	6981	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.50	81.78	84.00	6960	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.59	81.78	84.00	6938	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.67	81.77	84.00	6916	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.75	81.77	84.00	6895	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.83	81.77	84.00	6873	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	6.92	81.76	84.00	6851	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.00	81.76	84.00	6829	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.08	81.75	84.00	6807	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.17	81.75	84.00	6785	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.25	81.75	84.00	6764	0.00	0.08	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-11	BASE	7.33	81.74	84.00	6742	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.42	81.74	84.00	6720	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.50	81.74	84.00	6698	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.58	81.73	84.00	6676	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.67	81.73	84.00	6654	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.75	81.73	84.00	6632	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.83	81.72	84.00	6611	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.92	81.72	84.00	6589	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	8.00	81.72	84.00	6567	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	8.08	81.71	84.00	6545	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	8.17	81.71	84.00	6523	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	8.25	81.71	84.00	6501	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	8.33	81.70	84.00	6479	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.42	81.70	84.00	6458	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.50	81.70	84.00	6436	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.58	81.69	84.00	6414	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.67	81.69	84.00	6392	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.75	81.69	84.00	6370	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.83	81.68	84.00	6348	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.92	81.68	84.00	6326	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.00	81.67	84.00	6305	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.08	81.67	84.00	6283	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.17	81.67	84.00	6261	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.25	81.66	84.00	6239	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.33	81.66	84.00	6217	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.42	81.66	84.00	6195	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.50	81.65	84.00	6173	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.58	81.65	84.00	6152	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.67	81.65	84.00	6130	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.75	81.64	84.00	6108	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.83	81.64	84.00	6086	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.92	81.64	84.00	6064	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.00	81.63	84.00	6042	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.08	81.63	84.00	6020	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.17	81.63	84.00	5999	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.25	81.62	84.00	5977	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.33	81.62	84.00	5955	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.42	81.62	84.00	5933	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.50	81.61	84.00	5911	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.58	81.61	84.00	5889	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.67	81.61	84.00	5867	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.75	81.60	84.00	5846	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.83	81.60	84.00	5824	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.92	81.60	84.00	5802	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.00	81.59	84.00	5780	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.08	81.59	84.00	5758	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.17	81.58	84.00	5736	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.25	81.58	84.00	5715	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.33	81.58	84.00	5693	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.42	81.57	84.00	5671	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.50	81.57	84.00	5649	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.58	81.57	84.00	5627	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.67	81.56	84.00	5605	0.00	0.06	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-11	BASE	11.75	81.56	84.00	5583	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	11.83	81.56	84.00	5562	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	11.92	81.55	84.00	5540	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.00	81.55	84.00	5518	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.08	81.55	84.00	5496	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.17	81.54	84.00	5474	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.25	81.54	84.00	5452	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.33	81.54	84.00	5430	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.42	81.53	84.00	5409	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.50	81.53	84.00	5387	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.58	81.53	84.00	5365	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.67	81.52	84.00	5343	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.75	81.52	84.00	5321	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.83	81.52	84.00	5299	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.92	81.51	84.00	5277	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.00	81.51	84.00	5256	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.08	81.50	84.00	5234	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.17	81.50	84.00	5212	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.25	81.50	84.00	5190	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.33	81.49	84.00	5168	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.42	81.49	84.00	5146	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.50	81.49	84.00	5124	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.58	81.48	84.00	5103	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.67	81.48	84.00	5081	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.75	81.48	84.00	5059	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.83	81.47	84.00	5037	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.92	81.47	84.00	5015	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.00	81.47	84.00	4993	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.08	81.46	84.00	4971	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.17	81.46	84.00	4950	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.25	81.46	84.00	4928	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.33	81.45	84.00	4906	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.42	81.45	84.00	4884	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.50	81.45	84.00	4862	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.58	81.44	84.00	4840	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.67	81.44	84.00	4818	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.75	81.44	84.00	4797	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.83	81.43	84.00	4775	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.92	81.43	84.00	4753	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	15.00	81.42	84.00	4731	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.08	81.42	84.00	4709	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.17	81.42	84.00	4687	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.25	81.41	84.00	4665	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.33	81.41	84.00	4644	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.42	81.41	84.00	4622	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.50	81.40	84.00	4600	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.58	81.40	84.00	4578	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.67	81.40	84.00	4556	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.75	81.39	84.00	4534	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.83	81.39	84.00	4512	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.92	81.39	84.00	4491	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.00	81.38	84.00	4469	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.08	81.38	84.00	4447	0.00	0.05	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-11	BASE	16.17	81.38	84.00	4425	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.25	81.37	84.00	4403	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.33	81.37	84.00	4381	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.42	81.37	84.00	4359	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.50	81.36	84.00	4338	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.58	81.36	84.00	4316	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.67	81.36	84.00	4294	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.75	81.35	84.00	4272	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.83	81.35	84.00	4250	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.92	81.35	84.00	4228	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.00	81.34	84.00	4206	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.08	81.34	84.00	4185	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.17	81.33	84.00	4163	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.25	81.33	84.00	4141	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.33	81.33	84.00	4119	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.42	81.32	84.00	4097	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.50	81.32	84.00	4075	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.58	81.32	84.00	4053	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.67	81.31	84.00	4032	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.75	81.31	84.00	4010	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.83	81.31	84.00	3988	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.92	81.30	84.00	3966	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	18.00	81.30	84.00	3944	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	18.08	81.30	84.00	3922	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	18.17	81.29	84.00	3900	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	18.25	81.29	84.00	3879	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.33	81.29	84.00	3857	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.42	81.28	84.00	3835	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.50	81.28	84.00	3813	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.58	81.28	84.00	3791	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.67	81.27	84.00	3769	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.75	81.27	84.00	3748	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.83	81.27	84.00	3726	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.92	81.26	84.00	3704	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.00	81.26	84.00	3682	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.08	81.25	84.00	3660	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.17	81.25	84.00	3638	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.25	81.25	84.00	3616	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.33	81.24	84.00	3595	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.42	81.24	84.00	3573	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.50	81.24	84.00	3551	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.58	81.23	84.00	3529	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.67	81.23	84.00	3507	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.75	81.23	84.00	3485	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.83	81.22	84.00	3463	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.92	81.22	84.00	3442	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.00	81.22	84.00	3420	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.08	81.21	84.00	3398	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.17	81.21	84.00	3376	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.25	81.21	84.00	3354	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.33	81.20	84.00	3332	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.42	81.20	84.00	3310	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.50	81.20	84.00	3289	0.00	0.04	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-11	BASE	20.58	81.19	84.00	3267	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.67	81.19	84.00	3245	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.75	81.19	84.00	3223	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.83	81.18	84.00	3201	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.92	81.18	84.00	3179	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.00	81.17	84.00	3157	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.08	81.17	84.00	3136	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.17	81.17	84.00	3114	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.25	81.16	84.00	3092	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.33	81.16	84.00	3070	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.42	81.16	84.00	3048	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.50	81.15	84.00	3026	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.58	81.15	84.00	3004	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	21.67	81.15	84.00	2983	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	21.75	81.14	84.00	2961	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	21.83	81.14	84.00	2939	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	21.92	81.14	84.00	2917	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.00	81.13	84.00	2895	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.08	81.13	84.00	2873	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.17	81.13	84.00	2851	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.25	81.12	84.00	2830	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.33	81.12	84.00	2808	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.42	81.12	84.00	2786	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.50	81.11	84.00	2764	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.58	81.11	84.00	2742	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.67	81.11	84.00	2720	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.75	81.10	84.00	2698	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.83	81.10	84.00	2677	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.92	81.10	84.00	2655	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.00	81.09	84.00	2633	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.08	81.09	84.00	2611	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.17	81.08	84.00	2589	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.25	81.08	84.00	2567	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.33	81.08	84.00	2545	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.42	81.07	84.00	2524	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.50	81.07	84.00	2502	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.58	81.07	84.00	2480	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.67	81.06	84.00	2458	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.75	81.06	84.00	2436	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.83	81.06	84.00	2414	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.92	81.05	84.00	2392	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.00	81.05	84.00	2371	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.08	81.05	84.00	2349	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.17	81.04	84.00	2327	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.25	81.04	84.00	2305	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.33	81.04	84.00	2283	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.42	81.03	84.00	2261	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.50	81.03	84.00	2239	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.58	81.03	84.00	2218	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.67	81.02	84.00	2196	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.75	81.02	84.00	2174	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.83	81.02	84.00	2152	0.00	0.02	0.0	0.1
WQTV	BASIN-11	BASE	24.92	81.01	84.00	2130	0.00	0.02	0.0	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-11	BASE	25.00	81.01	84.00	2108	0.00	0.02	0.0	0.1	
WQTV	BASIN-11	BASE	25.08	81.00	84.00	2086	0.00	0.02	0.0	0.1	BASIN-11 WQTV
WQTV	BASIN-11	BASE	25.17	81.00	84.00	2065	0.00	0.02	0.0	0.1	
WQTV	BASIN-11	BASE	25.25	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.33	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.42	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.50	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.58	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.67	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.75	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.83	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.92	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.00	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.08	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.17	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.25	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.33	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.42	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.50	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.58	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.67	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.75	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.83	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.92	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.00	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.08	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.17	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.25	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.33	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.42	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.50	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.58	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.67	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.75	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.83	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.92	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.00	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.08	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.17	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.25	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.33	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.42	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.50	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.58	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.67	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.75	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.83	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.92	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	29.00	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	29.08	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	29.17	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	29.25	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	29.33	81.00	84.00	2056	0.00	0.00	0.0	0.1	

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-11	BASE	78.00	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.08	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.17	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.25	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.33	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.42	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.50	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.58	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.67	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.75	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.83	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.92	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.00	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.08	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.17	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.25	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.33	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.42	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.50	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.58	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.67	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.75	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.83	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.92	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	80.00	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	80.00	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-12	BASE	0.00	82.77	84.00	70037	0.00	0.00	0.0	0.0
WQTV	BASIN-12	BASE	0.08	82.77	84.00	69789	0.00	0.81	0.0	0.0
WQTV	BASIN-12	BASE	0.17	82.76	84.00	69541	0.00	0.80	0.0	0.0
WQTV	BASIN-12	BASE	0.25	82.76	84.00	69293	0.00	0.80	0.0	0.0
WQTV	BASIN-12	BASE	0.33	82.76	84.00	69045	0.00	0.80	0.0	0.0
WQTV	BASIN-12	BASE	0.42	82.75	84.00	68797	0.00	0.80	0.0	0.0
WQTV	BASIN-12	BASE	0.50	82.75	84.00	68549	0.00	0.79	0.0	0.0
WQTV	BASIN-12	BASE	0.58	82.75	84.00	68302	0.00	0.79	0.0	0.0
WQTV	BASIN-12	BASE	0.67	82.74	84.00	68054	0.00	0.79	0.0	0.0
WQTV	BASIN-12	BASE	0.75	82.74	84.00	67806	0.00	0.78	0.0	0.0
WQTV	BASIN-12	BASE	0.83	82.74	84.00	67557	0.00	0.78	0.0	0.1
WQTV	BASIN-12	BASE	0.92	82.73	84.00	67305	0.00	0.78	0.0	0.1
WQTV	BASIN-12	BASE	1.00	82.73	84.00	67060	0.00	0.78	0.0	0.1
WQTV	BASIN-12	BASE	1.09	82.72	84.00	66808	0.00	0.77	0.0	0.1
WQTV	BASIN-12	BASE	1.17	82.72	84.00	66561	0.00	0.77	0.0	0.1
WQTV	BASIN-12	BASE	1.25	82.72	84.00	66311	0.00	0.77	0.0	0.1
WQTV	BASIN-12	BASE	1.33	82.71	84.00	66069	0.00	0.76	0.0	0.1
WQTV	BASIN-12	BASE	1.42	82.71	84.00	65819	0.00	0.76	0.0	0.1
WQTV	BASIN-12	BASE	1.50	82.71	84.00	65569	0.00	0.76	0.0	0.1
WQTV	BASIN-12	BASE	1.59	82.70	84.00	65317	0.00	0.76	0.0	0.1
WQTV	BASIN-12	BASE	1.67	82.70	84.00	65075	0.00	0.75	0.0	0.1
WQTV	BASIN-12	BASE	1.75	82.70	84.00	64823	0.00	0.75	0.0	0.1
WQTV	BASIN-12	BASE	1.83	82.69	84.00	64581	0.00	0.75	0.0	0.1
WQTV	BASIN-12	BASE	1.92	82.69	84.00	64329	0.00	0.74	0.0	0.1
WQTV	BASIN-12	BASE	2.00	82.69	84.00	64087	0.00	0.74	0.0	0.1
WQTV	BASIN-12	BASE	2.09	82.68	84.00	63830	0.00	0.74	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-12	BASE	2.17	82.68	84.00	63590	0.00	0.74	0.0	0.1
WQTV	BASIN-12	BASE	2.25	82.68	84.00	63338	0.00	0.73	0.0	0.1
WQTV	BASIN-12	BASE	2.34	82.67	84.00	63086	0.00	0.73	0.0	0.1
WQTV	BASIN-12	BASE	2.42	82.67	84.00	62847	0.00	0.73	0.0	0.2
WQTV	BASIN-12	BASE	2.50	82.67	84.00	62594	0.00	0.72	0.0	0.2
WQTV	BASIN-12	BASE	2.59	82.66	84.00	62342	0.00	0.72	0.0	0.2
WQTV	BASIN-12	BASE	2.67	82.66	84.00	62103	0.00	0.72	0.0	0.2
WQTV	BASIN-12	BASE	2.75	82.66	84.00	61851	0.00	0.72	0.0	0.2
WQTV	BASIN-12	BASE	2.84	82.65	84.00	61592	0.00	0.71	0.0	0.2
WQTV	BASIN-12	BASE	2.92	82.65	84.00	61356	0.00	0.71	0.0	0.2
WQTV	BASIN-12	BASE	3.00	82.64	84.00	61104	0.00	0.71	0.0	0.2
WQTV	BASIN-12	BASE	3.09	82.64	84.00	60852	0.00	0.70	0.0	0.2
WQTV	BASIN-12	BASE	3.17	82.64	84.00	60600	0.00	0.70	0.0	0.2
WQTV	BASIN-12	BASE	3.25	82.63	84.00	60363	0.00	0.70	0.0	0.2
WQTV	BASIN-12	BASE	3.34	82.63	84.00	60111	0.00	0.70	0.0	0.2
WQTV	BASIN-12	BASE	3.42	82.63	84.00	59859	0.00	0.69	0.0	0.2
WQTV	BASIN-12	BASE	3.50	82.62	84.00	59623	0.00	0.69	0.0	0.2
WQTV	BASIN-12	BASE	3.58	82.62	84.00	59371	0.00	0.69	0.0	0.2
WQTV	BASIN-12	BASE	3.67	82.62	84.00	59119	0.00	0.68	0.0	0.2
WQTV	BASIN-12	BASE	3.75	82.61	84.00	58867	0.00	0.68	0.0	0.2
WQTV	BASIN-12	BASE	3.83	82.61	84.00	58630	0.00	0.68	0.0	0.2
WQTV	BASIN-12	BASE	3.92	82.61	84.00	58374	0.00	0.68	0.0	0.2
WQTV	BASIN-12	BASE	4.01	82.60	84.00	58118	0.00	0.67	0.0	0.2
WQTV	BASIN-12	BASE	4.09	82.60	84.00	57882	0.00	0.67	0.0	0.2
WQTV	BASIN-12	BASE	4.17	82.60	84.00	57626	0.00	0.67	0.0	0.3
WQTV	BASIN-12	BASE	4.25	82.59	84.00	57390	0.00	0.66	0.0	0.3
WQTV	BASIN-12	BASE	4.34	82.59	84.00	57134	0.00	0.66	0.0	0.3
WQTV	BASIN-12	BASE	4.42	82.59	84.00	56878	0.00	0.66	0.0	0.3
WQTV	BASIN-12	BASE	4.50	82.58	84.00	56641	0.00	0.66	0.0	0.3
WQTV	BASIN-12	BASE	4.59	82.58	84.00	56385	0.00	0.65	0.0	0.3
WQTV	BASIN-12	BASE	4.67	82.58	84.00	56149	0.00	0.65	0.0	0.3
WQTV	BASIN-12	BASE	4.75	82.57	84.00	55893	0.00	0.65	0.0	0.3
WQTV	BASIN-12	BASE	4.84	82.57	84.00	55637	0.00	0.64	0.0	0.3
WQTV	BASIN-12	BASE	4.92	82.57	84.00	55400	0.00	0.64	0.0	0.3
WQTV	BASIN-12	BASE	5.01	82.56	84.00	55144	0.00	0.64	0.0	0.3
WQTV	BASIN-12	BASE	5.09	82.56	84.00	54898	0.00	0.64	0.0	0.3
WQTV	BASIN-12	BASE	5.17	82.55	84.00	54652	0.00	0.63	0.0	0.3
WQTV	BASIN-12	BASE	5.25	82.55	84.00	54406	0.00	0.63	0.0	0.3
WQTV	BASIN-12	BASE	5.34	82.55	84.00	54160	0.00	0.63	0.0	0.3
WQTV	BASIN-12	BASE	5.42	82.54	84.00	53913	0.00	0.62	0.0	0.3
WQTV	BASIN-12	BASE	5.50	82.54	84.00	53667	0.00	0.62	0.0	0.3
WQTV	BASIN-12	BASE	5.58	82.54	84.00	53421	0.00	0.62	0.0	0.3
WQTV	BASIN-12	BASE	5.67	82.53	84.00	53175	0.00	0.62	0.0	0.3
WQTV	BASIN-12	BASE	5.75	82.53	84.00	52929	0.00	0.61	0.0	0.3
WQTV	BASIN-12	BASE	5.84	82.53	84.00	52658	0.00	0.61	0.0	0.3
WQTV	BASIN-12	BASE	5.92	82.52	84.00	52412	0.00	0.61	0.0	0.3
WQTV	BASIN-12	BASE	6.01	82.52	84.00	52166	0.00	0.60	0.0	0.3
WQTV	BASIN-12	BASE	6.09	82.52	84.00	51919	0.00	0.60	0.0	0.4
WQTV	BASIN-12	BASE	6.17	82.51	84.00	51673	0.00	0.60	0.0	0.4
WQTV	BASIN-12	BASE	6.25	82.51	84.00	51427	0.00	0.60	0.0	0.4
WQTV	BASIN-12	BASE	6.34	82.51	84.00	51181	0.00	0.59	0.0	0.4
WQTV	BASIN-12	BASE	6.42	82.50	84.00	50935	0.00	0.59	0.0	0.4
WQTV	BASIN-12	BASE	6.50	82.50	84.00	50688	0.00	0.59	0.0	0.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-12	BASE	6.59	82.50	84.00	50442	0.00	0.58	0.0	0.4
WQTV	BASIN-12	BASE	6.67	82.49	84.00	50196	0.00	0.58	0.0	0.4
WQTV	BASIN-12	BASE	6.75	82.49	84.00	49950	0.00	0.58	0.0	0.4
WQTV	BASIN-12	BASE	6.83	82.49	84.00	49703	0.00	0.58	0.0	0.4
WQTV	BASIN-12	BASE	6.92	82.48	84.00	49455	0.00	0.57	0.0	0.4
WQTV	BASIN-12	BASE	7.00	82.48	84.00	49207	0.00	0.57	0.0	0.4
WQTV	BASIN-12	BASE	7.08	82.47	84.00	48959	0.00	0.57	0.0	0.4
WQTV	BASIN-12	BASE	7.17	82.47	84.00	48711	0.00	0.56	0.0	0.4
WQTV	BASIN-12	BASE	7.25	82.47	84.00	48463	0.00	0.56	0.0	0.4
WQTV	BASIN-12	BASE	7.33	82.46	84.00	48215	0.00	0.56	0.0	0.4
WQTV	BASIN-12	BASE	7.42	82.46	84.00	47967	0.00	0.56	0.0	0.4
WQTV	BASIN-12	BASE	7.50	82.46	84.00	47719	0.00	0.55	0.0	0.4
WQTV	BASIN-12	BASE	7.58	82.45	84.00	47471	0.00	0.55	0.0	0.4
WQTV	BASIN-12	BASE	7.67	82.45	84.00	47223	0.00	0.55	0.0	0.4
WQTV	BASIN-12	BASE	7.75	82.45	84.00	46975	0.00	0.54	0.0	0.4
WQTV	BASIN-12	BASE	7.83	82.44	84.00	46728	0.00	0.54	0.0	0.4
WQTV	BASIN-12	BASE	7.92	82.44	84.00	46480	0.00	0.54	0.0	0.4
WQTV	BASIN-12	BASE	8.00	82.44	84.00	46232	0.00	0.54	0.0	0.4
WQTV	BASIN-12	BASE	8.08	82.43	84.00	45984	0.00	0.53	0.0	0.4
WQTV	BASIN-12	BASE	8.17	82.43	84.00	45736	0.00	0.53	0.0	0.4
WQTV	BASIN-12	BASE	8.25	82.43	84.00	45488	0.00	0.53	0.0	0.5
WQTV	BASIN-12	BASE	8.33	82.42	84.00	45240	0.00	0.52	0.0	0.5
WQTV	BASIN-12	BASE	8.42	82.42	84.00	44992	0.00	0.52	0.0	0.5
WQTV	BASIN-12	BASE	8.50	82.42	84.00	44744	0.00	0.52	0.0	0.5
WQTV	BASIN-12	BASE	8.58	82.41	84.00	44496	0.00	0.51	0.0	0.5
WQTV	BASIN-12	BASE	8.67	82.41	84.00	44248	0.00	0.51	0.0	0.5
WQTV	BASIN-12	BASE	8.75	82.41	84.00	44000	0.00	0.51	0.0	0.5
WQTV	BASIN-12	BASE	8.83	82.40	84.00	43752	0.00	0.51	0.0	0.5
WQTV	BASIN-12	BASE	8.92	82.40	84.00	43504	0.00	0.50	0.0	0.5
WQTV	BASIN-12	BASE	9.00	82.39	84.00	43256	0.00	0.50	0.0	0.5
WQTV	BASIN-12	BASE	9.08	82.39	84.00	43008	0.00	0.50	0.0	0.5
WQTV	BASIN-12	BASE	9.17	82.39	84.00	42760	0.00	0.49	0.0	0.5
WQTV	BASIN-12	BASE	9.25	82.38	84.00	42512	0.00	0.49	0.0	0.5
WQTV	BASIN-12	BASE	9.33	82.38	84.00	42264	0.00	0.49	0.0	0.5
WQTV	BASIN-12	BASE	9.42	82.38	84.00	42016	0.00	0.49	0.0	0.5
WQTV	BASIN-12	BASE	9.50	82.37	84.00	41768	0.00	0.48	0.0	0.5
WQTV	BASIN-12	BASE	9.58	82.37	84.00	41520	0.00	0.48	0.0	0.5
WQTV	BASIN-12	BASE	9.67	82.37	84.00	41272	0.00	0.48	0.0	0.5
WQTV	BASIN-12	BASE	9.75	82.36	84.00	41024	0.00	0.47	0.0	0.5
WQTV	BASIN-12	BASE	9.83	82.36	84.00	40776	0.00	0.47	0.0	0.5
WQTV	BASIN-12	BASE	9.92	82.36	84.00	40529	0.00	0.47	0.0	0.5
WQTV	BASIN-12	BASE	10.00	82.35	84.00	40281	0.00	0.47	0.0	0.5
WQTV	BASIN-12	BASE	10.08	82.35	84.00	40033	0.00	0.46	0.0	0.5
WQTV	BASIN-12	BASE	10.17	82.35	84.00	39785	0.00	0.46	0.0	0.5
WQTV	BASIN-12	BASE	10.25	82.34	84.00	39537	0.00	0.46	0.0	0.5
WQTV	BASIN-12	BASE	10.33	82.34	84.00	39289	0.00	0.45	0.0	0.5
WQTV	BASIN-12	BASE	10.42	82.34	84.00	39041	0.00	0.45	0.0	0.5
WQTV	BASIN-12	BASE	10.50	82.33	84.00	38793	0.00	0.45	0.0	0.5
WQTV	BASIN-12	BASE	10.58	82.33	84.00	38545	0.00	0.45	0.0	0.5
WQTV	BASIN-12	BASE	10.67	82.33	84.00	38297	0.00	0.44	0.0	0.5
WQTV	BASIN-12	BASE	10.75	82.32	84.00	38049	0.00	0.44	0.0	0.6
WQTV	BASIN-12	BASE	10.83	82.32	84.00	37801	0.00	0.44	0.0	0.6
WQTV	BASIN-12	BASE	10.92	82.32	84.00	37553	0.00	0.43	0.0	0.6

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-12	BASE	11.00	82.31	84.00	37305	0.00	0.43	0.0	0.6
WQTV	BASIN-12	BASE	11.08	82.31	84.00	37057	0.00	0.43	0.0	0.6
WQTV	BASIN-12	BASE	11.17	82.30	84.00	36809	0.00	0.43	0.0	0.6
WQTV	BASIN-12	BASE	11.25	82.30	84.00	36561	0.00	0.42	0.0	0.6
WQTV	BASIN-12	BASE	11.33	82.30	84.00	36313	0.00	0.42	0.0	0.6
WQTV	BASIN-12	BASE	11.42	82.29	84.00	36065	0.00	0.42	0.0	0.6
WQTV	BASIN-12	BASE	11.50	82.29	84.00	35817	0.00	0.41	0.0	0.6
WQTV	BASIN-12	BASE	11.58	82.29	84.00	35569	0.00	0.41	0.0	0.6
WQTV	BASIN-12	BASE	11.67	82.28	84.00	35321	0.00	0.41	0.0	0.6
WQTV	BASIN-12	BASE	11.75	82.28	84.00	35073	0.00	0.41	0.0	0.6
WQTV	BASIN-12	BASE	11.83	82.28	84.00	34825	0.00	0.40	0.0	0.6
WQTV	BASIN-12	BASE	11.92	82.27	84.00	34578	0.00	0.40	0.0	0.6
WQTV	BASIN-12	BASE	12.00	82.27	84.00	34330	0.00	0.40	0.0	0.6
WQTV	BASIN-12	BASE	12.08	82.27	84.00	34082	0.00	0.39	0.0	0.6
WQTV	BASIN-12	BASE	12.17	82.26	84.00	33834	0.00	0.39	0.0	0.6
WQTV	BASIN-12	BASE	12.25	82.26	84.00	33586	0.00	0.39	0.0	0.6
WQTV	BASIN-12	BASE	12.33	82.26	84.00	33338	0.00	0.39	0.0	0.6
WQTV	BASIN-12	BASE	12.42	82.25	84.00	33090	0.00	0.38	0.0	0.6
WQTV	BASIN-12	BASE	12.50	82.25	84.00	32842	0.00	0.38	0.0	0.6
WQTV	BASIN-12	BASE	12.58	82.25	84.00	32594	0.00	0.38	0.0	0.6
WQTV	BASIN-12	BASE	12.67	82.24	84.00	32346	0.00	0.37	0.0	0.6
WQTV	BASIN-12	BASE	12.75	82.24	84.00	32098	0.00	0.37	0.0	0.6
WQTV	BASIN-12	BASE	12.83	82.24	84.00	31850	0.00	0.37	0.0	0.6
WQTV	BASIN-12	BASE	12.92	82.23	84.00	31602	0.00	0.37	0.0	0.6
WQTV	BASIN-12	BASE	13.00	82.23	84.00	31354	0.00	0.36	0.0	0.6
WQTV	BASIN-12	BASE	13.08	82.22	84.00	31106	0.00	0.36	0.0	0.6
WQTV	BASIN-12	BASE	13.17	82.22	84.00	30858	0.00	0.36	0.0	0.6
WQTV	BASIN-12	BASE	13.25	82.22	84.00	30610	0.00	0.35	0.0	0.6
WQTV	BASIN-12	BASE	13.33	82.21	84.00	30362	0.00	0.35	0.0	0.6
WQTV	BASIN-12	BASE	13.42	82.21	84.00	30114	0.00	0.35	0.0	0.6
WQTV	BASIN-12	BASE	13.50	82.21	84.00	29866	0.00	0.35	0.0	0.6
WQTV	BASIN-12	BASE	13.58	82.20	84.00	29618	0.00	0.34	0.0	0.6
WQTV	BASIN-12	BASE	13.67	82.20	84.00	29370	0.00	0.34	0.0	0.6
WQTV	BASIN-12	BASE	13.75	82.20	84.00	29122	0.00	0.34	0.0	0.6
WQTV	BASIN-12	BASE	13.83	82.19	84.00	28874	0.00	0.33	0.0	0.7
WQTV	BASIN-12	BASE	13.92	82.19	84.00	28626	0.00	0.33	0.0	0.7
WQTV	BASIN-12	BASE	14.00	82.19	84.00	28379	0.00	0.33	0.0	0.7
WQTV	BASIN-12	BASE	14.08	82.18	84.00	28131	0.00	0.33	0.0	0.7
WQTV	BASIN-12	BASE	14.17	82.18	84.00	27883	0.00	0.32	0.0	0.7
WQTV	BASIN-12	BASE	14.25	82.18	84.00	27635	0.00	0.32	0.0	0.7
WQTV	BASIN-12	BASE	14.33	82.17	84.00	27387	0.00	0.32	0.0	0.7
WQTV	BASIN-12	BASE	14.42	82.17	84.00	27139	0.00	0.31	0.0	0.7
WQTV	BASIN-12	BASE	14.50	82.17	84.00	26891	0.00	0.31	0.0	0.7
WQTV	BASIN-12	BASE	14.58	82.16	84.00	26643	0.00	0.31	0.0	0.7
WQTV	BASIN-12	BASE	14.67	82.16	84.00	26395	0.00	0.31	0.0	0.7
WQTV	BASIN-12	BASE	14.75	82.16	84.00	26147	0.00	0.30	0.0	0.7
WQTV	BASIN-12	BASE	14.83	82.15	84.00	25899	0.00	0.30	0.0	0.7
WQTV	BASIN-12	BASE	14.92	82.15	84.00	25651	0.00	0.30	0.0	0.7
WQTV	BASIN-12	BASE	15.00	82.14	84.00	25403	0.00	0.29	0.0	0.7
WQTV	BASIN-12	BASE	15.08	82.14	84.00	25155	0.00	0.29	0.0	0.7
WQTV	BASIN-12	BASE	15.17	82.14	84.00	24907	0.00	0.29	0.0	0.7
WQTV	BASIN-12	BASE	15.25	82.13	84.00	24659	0.00	0.29	0.0	0.7
WQTV	BASIN-12	BASE	15.33	82.13	84.00	24411	0.00	0.28	0.0	0.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-12	BASE	15.42	82.13	84.00	24163	0.00	0.28	0.0	0.7	
WQTV	BASIN-12	BASE	15.50	82.12	84.00	23915	0.00	0.28	0.0	0.7	
WQTV	BASIN-12	BASE	15.58	82.12	84.00	23667	0.00	0.27	0.0	0.7	
WQTV	BASIN-12	BASE	15.67	82.12	84.00	23419	0.00	0.27	0.0	0.7	
WQTV	BASIN-12	BASE	15.75	82.11	84.00	23171	0.00	0.27	0.0	0.7	
WQTV	BASIN-12	BASE	15.83	82.11	84.00	22923	0.00	0.27	0.0	0.7	
WQTV	BASIN-12	BASE	15.92	82.11	84.00	22675	0.00	0.26	0.0	0.7	
WQTV	BASIN-12	BASE	16.00	82.10	84.00	22428	0.00	0.26	0.0	0.7	
WQTV	BASIN-12	BASE	16.08	82.10	84.00	22180	0.00	0.26	0.0	0.7	
WQTV	BASIN-12	BASE	16.17	82.10	84.00	21932	0.00	0.25	0.0	0.7	
WQTV	BASIN-12	BASE	16.25	82.09	84.00	21684	0.00	0.25	0.0	0.7	
WQTV	BASIN-12	BASE	16.33	82.09	84.00	21436	0.00	0.25	0.0	0.7	
WQTV	BASIN-12	BASE	16.42	82.09	84.00	21188	0.00	0.25	0.0	0.7	
WQTV	BASIN-12	BASE	16.50	82.08	84.00	20940	0.00	0.24	0.0	0.7	
WQTV	BASIN-12	BASE	16.58	82.08	84.00	20692	0.00	0.24	0.0	0.7	
WQTV	BASIN-12	BASE	16.67	82.08	84.00	20444	0.00	0.24	0.0	0.7	
WQTV	BASIN-12	BASE	16.75	82.07	84.00	20196	0.00	0.23	0.0	0.7	
WQTV	BASIN-12	BASE	16.83	82.07	84.00	19948	0.00	0.23	0.0	0.7	
WQTV	BASIN-12	BASE	16.92	82.07	84.00	19700	0.00	0.23	0.0	0.7	
WQTV	BASIN-12	BASE	17.00	82.06	84.00	19452	0.00	0.23	0.0	0.7	
WQTV	BASIN-12	BASE	17.08	82.06	84.00	19204	0.00	0.22	0.0	0.7	
WQTV	BASIN-12	BASE	17.17	82.05	84.00	18956	0.00	0.22	0.0	0.7	
WQTV	BASIN-12	BASE	17.25	82.05	84.00	18708	0.00	0.22	0.0	0.7	
WQTV	BASIN-12	BASE	17.33	82.05	84.00	18460	0.00	0.21	0.0	0.7	
WQTV	BASIN-12	BASE	17.42	82.04	84.00	18212	0.00	0.21	0.0	0.7	
WQTV	BASIN-12	BASE	17.50	82.04	84.00	17964	0.00	0.21	0.0	0.7	
WQTV	BASIN-12	BASE	17.58	82.04	84.00	17716	0.00	0.21	0.0	0.7	
WQTV	BASIN-12	BASE	17.67	82.03	84.00	17468	0.00	0.20	0.0	0.7	
WQTV	BASIN-12	BASE	17.75	82.03	84.00	17220	0.00	0.20	0.0	0.7	
WQTV	BASIN-12	BASE	17.83	82.03	84.00	16972	0.00	0.20	0.0	0.7	
WQTV	BASIN-12	BASE	17.92	82.02	84.00	16724	0.00	0.19	0.0	0.7	
WQTV	BASIN-12	BASE	18.00	82.02	84.00	16476	0.00	0.19	0.0	0.7	
WQTV	BASIN-12	BASE	18.08	82.02	84.00	16229	0.00	0.19	0.0	0.7	
WQTV	BASIN-12	BASE	18.17	82.01	84.00	15981	0.00	0.18	0.0	0.7	
WQTV	BASIN-12	BASE	18.25	82.01	84.00	15733	0.00	0.18	0.0	0.7	
WQTV	BASIN-12	BASE	18.33	82.01	84.00	15485	0.00	0.18	0.0	0.7	
WQTV	BASIN-12	BASE	18.42	82.00	84.00	15237	0.00	0.18	0.0	0.7	BASIN-12 WQTV
WQTV	BASIN-12	BASE	18.50	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	18.58	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	18.67	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	18.75	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	18.83	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	18.92	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.00	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.08	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.17	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.25	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.33	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.42	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.50	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.58	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.67	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.75	82.00	84.00	15050	0.00	0.00	0.0	0.7	

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-12	BASE	77.25	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.33	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.42	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.50	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.58	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.67	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.75	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.83	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.92	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.00	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.08	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.17	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.25	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.33	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.42	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.50	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.58	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.67	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.75	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.83	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.92	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.00	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.08	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.17	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.25	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.33	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.42	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.50	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.58	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.67	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.75	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.83	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.92	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	80.00	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	80.00	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-13	BASE	0.00	89.05	89.00	5393	0.00	18.70	0.0	0.0
WQTV	BASIN-13	BASE	0.08	88.91	89.00	5116	0.00	0.20	0.0	0.1
WQTV	BASIN-13	BASE	0.17	88.90	89.00	5105	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.25	88.90	89.00	5098	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.33	88.89	89.00	5092	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.42	88.89	89.00	5085	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.50	88.89	89.00	5078	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.58	88.88	89.00	5072	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.67	88.88	89.00	5065	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.75	88.88	89.00	5059	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.83	88.87	89.00	5052	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.92	88.87	89.00	5045	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.00	88.87	89.00	5038	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.09	88.86	89.00	5032	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.17	88.86	89.00	5025	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.25	88.85	89.00	5018	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.33	88.85	89.00	5012	0.00	0.06	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	1.42	88.85	89.00	5005	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.50	88.84	89.00	4998	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.59	88.84	89.00	4992	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.67	88.84	89.00	4985	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.75	88.83	89.00	4978	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.83	88.83	89.00	4972	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.92	88.83	89.00	4965	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.00	88.82	89.00	4959	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.09	88.82	89.00	4952	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.17	88.82	89.00	4945	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.25	88.81	89.00	4939	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.34	88.81	89.00	4932	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.42	88.81	89.00	4925	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.50	88.80	89.00	4919	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.59	88.80	89.00	4912	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.67	88.80	89.00	4905	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.75	88.79	89.00	4899	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.84	88.79	89.00	4892	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.92	88.79	89.00	4885	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.00	88.78	89.00	4879	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.09	88.78	89.00	4872	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.17	88.77	89.00	4865	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.25	88.77	89.00	4859	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.34	88.77	89.00	4852	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.42	88.76	89.00	4845	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.50	88.76	89.00	4839	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.58	88.76	89.00	4832	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.67	88.75	89.00	4825	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.75	88.75	89.00	4819	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.83	88.75	89.00	4812	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.92	88.74	89.00	4805	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.01	88.74	89.00	4798	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.09	88.74	89.00	4792	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.17	88.73	89.00	4785	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.25	88.73	89.00	4779	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.34	88.73	89.00	4772	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.42	88.72	89.00	4765	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.50	88.72	89.00	4759	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.59	88.72	89.00	4752	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	4.67	88.71	89.00	4746	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	4.75	88.71	89.00	4739	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	4.84	88.71	89.00	4732	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	4.92	88.70	89.00	4726	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.01	88.70	89.00	4719	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.09	88.69	89.00	4712	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.17	88.69	89.00	4705	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.25	88.69	89.00	4699	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.34	88.68	89.00	4692	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.42	88.68	89.00	4686	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.50	88.68	89.00	4679	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.58	88.67	89.00	4672	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.67	88.67	89.00	4666	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.75	88.67	89.00	4659	0.00	0.05	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	5.84	88.66	89.00	4652	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.92	88.66	89.00	4645	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.01	88.66	89.00	4639	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.09	88.65	89.00	4632	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.17	88.65	89.00	4626	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.25	88.65	89.00	4619	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.34	88.64	89.00	4612	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.42	88.64	89.00	4606	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.50	88.64	89.00	4599	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.59	88.63	89.00	4592	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.67	88.63	89.00	4586	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.75	88.63	89.00	4579	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.83	88.62	89.00	4573	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.92	88.62	89.00	4566	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.00	88.62	89.00	4559	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.08	88.61	89.00	4553	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.17	88.61	89.00	4546	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.25	88.60	89.00	4539	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.33	88.60	89.00	4533	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.42	88.60	89.00	4526	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.50	88.59	89.00	4519	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.58	88.59	89.00	4513	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.67	88.59	89.00	4506	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.75	88.58	89.00	4499	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.83	88.58	89.00	4493	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.92	88.58	89.00	4486	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.00	88.57	89.00	4479	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.08	88.57	89.00	4473	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.17	88.57	89.00	4466	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.25	88.56	89.00	4460	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.33	88.56	89.00	4453	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.42	88.56	89.00	4446	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.50	88.55	89.00	4440	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.58	88.55	89.00	4433	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.67	88.55	89.00	4426	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.75	88.54	89.00	4420	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.83	88.54	89.00	4413	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.92	88.54	89.00	4406	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.00	88.53	89.00	4400	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.08	88.53	89.00	4393	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.17	88.52	89.00	4386	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.25	88.52	89.00	4380	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.33	88.52	89.00	4373	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.42	88.51	89.00	4366	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.50	88.51	89.00	4360	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.58	88.51	89.00	4353	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.67	88.50	89.00	4346	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.75	88.50	89.00	4340	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.83	88.50	89.00	4333	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.92	88.49	89.00	4326	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.00	88.49	89.00	4320	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.08	88.49	89.00	4313	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.17	88.48	89.00	4306	0.00	0.05	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	10.25	88.48	89.00	4300	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.33	88.48	89.00	4293	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.42	88.47	89.00	4286	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.50	88.47	89.00	4280	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.58	88.47	89.00	4273	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.67	88.46	89.00	4267	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.75	88.46	89.00	4260	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.83	88.46	89.00	4253	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.92	88.45	89.00	4247	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.00	88.45	89.00	4240	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.08	88.45	89.00	4233	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.17	88.44	89.00	4227	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.25	88.44	89.00	4220	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.33	88.43	89.00	4213	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.42	88.43	89.00	4207	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.50	88.43	89.00	4200	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.58	88.42	89.00	4193	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.67	88.42	89.00	4187	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.75	88.42	89.00	4180	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.83	88.41	89.00	4173	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.92	88.41	89.00	4167	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.00	88.41	89.00	4160	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.08	88.40	89.00	4153	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.17	88.40	89.00	4147	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.25	88.40	89.00	4140	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.33	88.39	89.00	4133	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.42	88.39	89.00	4127	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.50	88.39	89.00	4120	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.58	88.38	89.00	4113	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.67	88.38	89.00	4107	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.75	88.38	89.00	4100	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.83	88.37	89.00	4093	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.92	88.37	89.00	4087	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.00	88.37	89.00	4080	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.08	88.36	89.00	4074	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.17	88.36	89.00	4067	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.25	88.35	89.00	4060	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.33	88.35	89.00	4054	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.42	88.35	89.00	4047	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.50	88.34	89.00	4040	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.58	88.34	89.00	4034	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.67	88.34	89.00	4027	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.75	88.33	89.00	4020	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.83	88.33	89.00	4014	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.92	88.33	89.00	4007	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.00	88.32	89.00	4000	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.08	88.32	89.00	3994	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.17	88.32	89.00	3987	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.25	88.31	89.00	3980	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.33	88.31	89.00	3974	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.42	88.31	89.00	3967	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.50	88.30	89.00	3960	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.58	88.30	89.00	3954	0.00	0.05	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	14.67	88.30	89.00	3947	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.75	88.29	89.00	3940	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.83	88.29	89.00	3934	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.92	88.29	89.00	3927	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	15.00	88.28	89.00	3920	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	15.08	88.28	89.00	3914	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	15.17	88.27	89.00	3907	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	15.25	88.27	89.00	3900	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	15.33	88.27	89.00	3894	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	15.42	88.26	89.00	3887	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	15.50	88.26	89.00	3881	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	15.58	88.26	89.00	3874	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	15.67	88.25	89.00	3867	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	15.75	88.25	89.00	3861	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	15.83	88.25	89.00	3854	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	15.92	88.24	89.00	3847	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.00	88.24	89.00	3841	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.08	88.24	89.00	3834	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.17	88.23	89.00	3827	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.25	88.23	89.00	3821	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.33	88.23	89.00	3814	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.42	88.22	89.00	3807	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.50	88.22	89.00	3801	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.58	88.22	89.00	3794	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.67	88.21	89.00	3787	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.75	88.21	89.00	3781	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.83	88.21	89.00	3774	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.92	88.20	89.00	3767	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.00	88.20	89.00	3761	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.08	88.20	89.00	3754	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.17	88.19	89.00	3747	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.25	88.19	89.00	3741	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.33	88.18	89.00	3734	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.42	88.18	89.00	3727	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.50	88.18	89.00	3721	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.58	88.17	89.00	3714	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.67	88.17	89.00	3707	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.75	88.17	89.00	3701	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.83	88.16	89.00	3694	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.92	88.16	89.00	3688	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.00	88.16	89.00	3681	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.08	88.15	89.00	3674	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.17	88.15	89.00	3668	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.25	88.15	89.00	3661	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.33	88.14	89.00	3654	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.42	88.14	89.00	3648	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.50	88.14	89.00	3641	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.58	88.13	89.00	3634	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.67	88.13	89.00	3628	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.75	88.13	89.00	3621	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.83	88.12	89.00	3614	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.92	88.12	89.00	3608	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.00	88.12	89.00	3601	0.00	0.04	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	19.08	88.11	89.00	3594	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.17	88.11	89.00	3588	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.25	88.10	89.00	3581	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.33	88.10	89.00	3574	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.42	88.10	89.00	3568	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.50	88.09	89.00	3561	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.58	88.09	89.00	3554	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.67	88.09	89.00	3548	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.75	88.08	89.00	3541	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.83	88.08	89.00	3534	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.92	88.08	89.00	3528	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.00	88.07	89.00	3521	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.08	88.07	89.00	3514	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.17	88.07	89.00	3508	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.25	88.06	89.00	3501	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.33	88.06	89.00	3495	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.42	88.06	89.00	3488	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.50	88.05	89.00	3481	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.58	88.05	89.00	3475	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	20.67	88.05	89.00	3468	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	20.75	88.04	89.00	3461	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	20.83	88.04	89.00	3455	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	20.92	88.04	89.00	3448	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.00	88.03	89.00	3441	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.08	88.03	89.00	3435	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.17	88.02	89.00	3428	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.25	88.02	89.00	3421	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.33	88.02	89.00	3415	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.42	88.01	89.00	3408	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.50	88.01	89.00	3401	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.58	88.01	89.00	3395	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.67	88.00	89.00	3388	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.75	88.00	89.00	3381	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.83	88.00	89.00	3379	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.92	87.99	89.00	3378	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.00	87.99	89.00	3376	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.08	87.99	89.00	3375	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.17	87.98	89.00	3373	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.25	87.98	89.00	3372	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.33	87.98	89.00	3370	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.42	87.97	89.00	3369	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.50	87.97	89.00	3367	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.58	87.97	89.00	3366	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.67	87.96	89.00	3364	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.75	87.96	89.00	3363	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.83	87.96	89.00	3361	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.92	87.95	89.00	3360	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.00	87.95	89.00	3359	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.08	87.95	89.00	3357	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.17	87.94	89.00	3356	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.25	87.94	89.00	3354	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.33	87.93	89.00	3353	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.42	87.93	89.00	3351	0.00	0.04	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	23.50	87.93	89.00	3350	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.58	87.92	89.00	3348	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.67	87.92	89.00	3347	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.75	87.92	89.00	3345	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.83	87.91	89.00	3344	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.92	87.91	89.00	3342	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.00	87.91	89.00	3341	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.08	87.90	89.00	3339	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.17	87.90	89.00	3338	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.25	87.90	89.00	3336	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.33	87.89	89.00	3335	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.42	87.89	89.00	3334	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.50	87.89	89.00	3332	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.58	87.88	89.00	3331	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.67	87.88	89.00	3329	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.75	87.88	89.00	3328	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.83	87.87	89.00	3326	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.92	87.87	89.00	3325	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.00	87.87	89.00	3323	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.08	87.86	89.00	3322	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.17	87.86	89.00	3320	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.25	87.85	89.00	3319	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.33	87.85	89.00	3317	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.42	87.85	89.00	3316	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.50	87.84	89.00	3314	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.58	87.84	89.00	3313	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.67	87.84	89.00	3312	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.75	87.83	89.00	3310	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.83	87.83	89.00	3309	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.92	87.83	89.00	3307	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.00	87.82	89.00	3306	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.08	87.82	89.00	3304	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.17	87.82	89.00	3303	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.25	87.81	89.00	3301	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.33	87.81	89.00	3300	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.42	87.81	89.00	3298	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.50	87.80	89.00	3297	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.58	87.80	89.00	3295	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.67	87.80	89.00	3294	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.75	87.79	89.00	3292	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.83	87.79	89.00	3291	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.92	87.79	89.00	3290	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.00	87.78	89.00	3288	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.08	87.78	89.00	3287	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.17	87.77	89.00	3285	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.25	87.77	89.00	3284	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.33	87.77	89.00	3282	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.42	87.76	89.00	3281	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.50	87.76	89.00	3279	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.58	87.76	89.00	3278	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.67	87.75	89.00	3276	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.75	87.75	89.00	3275	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.83	87.75	89.00	3273	0.00	0.04	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	27.92	87.74	89.00	3272	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.00	87.74	89.00	3270	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.08	87.74	89.00	3269	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.17	87.73	89.00	3268	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.25	87.73	89.00	3266	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.33	87.73	89.00	3265	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.42	87.72	89.00	3263	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.50	87.72	89.00	3262	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.58	87.72	89.00	3260	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.67	87.71	89.00	3259	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.75	87.71	89.00	3257	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.83	87.71	89.00	3256	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.92	87.70	89.00	3254	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.00	87.70	89.00	3253	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.08	87.70	89.00	3251	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.17	87.69	89.00	3250	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.25	87.69	89.00	3248	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.33	87.68	89.00	3247	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.42	87.68	89.00	3246	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.50	87.68	89.00	3244	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.58	87.67	89.00	3243	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.67	87.67	89.00	3241	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.75	87.67	89.00	3240	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.83	87.66	89.00	3238	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.92	87.66	89.00	3237	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.00	87.66	89.00	3235	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.08	87.65	89.00	3234	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.17	87.65	89.00	3232	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.25	87.65	89.00	3231	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.33	87.64	89.00	3229	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.42	87.64	89.00	3228	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.50	87.64	89.00	3226	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.58	87.63	89.00	3225	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.67	87.63	89.00	3224	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.75	87.63	89.00	3222	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.83	87.62	89.00	3221	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.92	87.62	89.00	3219	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.00	87.62	89.00	3218	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.08	87.61	89.00	3216	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.17	87.61	89.00	3215	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.25	87.60	89.00	3213	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.33	87.60	89.00	3212	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.42	87.60	89.00	3210	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.50	87.59	89.00	3209	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.58	87.59	89.00	3207	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.67	87.59	89.00	3206	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.75	87.58	89.00	3204	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.83	87.58	89.00	3203	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.92	87.58	89.00	3202	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.00	87.57	89.00	3200	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.08	87.57	89.00	3199	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.17	87.57	89.00	3197	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.25	87.56	89.00	3196	0.00	0.04	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	32.33	87.56	89.00	3194	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.42	87.56	89.00	3193	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.50	87.55	89.00	3191	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.58	87.55	89.00	3190	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.67	87.55	89.00	3188	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.75	87.54	89.00	3187	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.83	87.54	89.00	3185	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.92	87.54	89.00	3184	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.00	87.53	89.00	3182	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.08	87.53	89.00	3181	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.17	87.52	89.00	3180	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.25	87.52	89.00	3178	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.33	87.52	89.00	3177	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.42	87.51	89.00	3175	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.50	87.51	89.00	3174	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.58	87.51	89.00	3172	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.67	87.50	89.00	3171	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.75	87.50	89.00	3169	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.83	87.50	89.00	3168	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.92	87.49	89.00	3166	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.00	87.49	89.00	3165	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.08	87.49	89.00	3163	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.17	87.48	89.00	3162	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.25	87.48	89.00	3160	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.33	87.48	89.00	3159	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.42	87.47	89.00	3158	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.50	87.47	89.00	3156	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.58	87.47	89.00	3155	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.67	87.46	89.00	3153	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.75	87.46	89.00	3152	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.83	87.46	89.00	3150	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.92	87.45	89.00	3149	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.00	87.45	89.00	3147	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.08	87.45	89.00	3146	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.17	87.44	89.00	3144	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.25	87.44	89.00	3143	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.33	87.43	89.00	3141	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.42	87.43	89.00	3140	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.50	87.43	89.00	3138	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.58	87.42	89.00	3137	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.67	87.42	89.00	3135	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.75	87.42	89.00	3134	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.83	87.41	89.00	3133	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.92	87.41	89.00	3131	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.00	87.41	89.00	3130	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.08	87.40	89.00	3128	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.17	87.40	89.00	3127	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.25	87.40	89.00	3125	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.33	87.39	89.00	3124	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.42	87.39	89.00	3122	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.50	87.39	89.00	3121	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.58	87.38	89.00	3119	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.67	87.38	89.00	3118	0.00	0.04	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	36.75	87.38	89.00	3116	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.83	87.37	89.00	3115	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.92	87.37	89.00	3113	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.00	87.37	89.00	3112	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.08	87.36	89.00	3111	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.17	87.36	89.00	3109	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.25	87.35	89.00	3108	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.33	87.35	89.00	3106	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.42	87.35	89.00	3105	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.50	87.34	89.00	3103	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.58	87.34	89.00	3102	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.67	87.34	89.00	3100	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.75	87.33	89.00	3099	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.83	87.33	89.00	3097	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.92	87.33	89.00	3096	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.00	87.32	89.00	3094	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.08	87.32	89.00	3093	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.17	87.32	89.00	3091	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.25	87.31	89.00	3090	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.33	87.31	89.00	3089	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.42	87.31	89.00	3087	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.50	87.30	89.00	3086	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.58	87.30	89.00	3084	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.67	87.30	89.00	3083	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.75	87.29	89.00	3081	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.83	87.29	89.00	3080	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.92	87.29	89.00	3078	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.00	87.28	89.00	3077	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.08	87.28	89.00	3075	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.17	87.27	89.00	3074	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.25	87.27	89.00	3072	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.33	87.27	89.00	3071	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.42	87.26	89.00	3069	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.50	87.26	89.00	3068	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.58	87.26	89.00	3067	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.67	87.25	89.00	3065	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.75	87.25	89.00	3064	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.83	87.25	89.00	3062	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.92	87.24	89.00	3061	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.00	87.24	89.00	3059	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.08	87.24	89.00	3058	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.17	87.23	89.00	3056	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.25	87.23	89.00	3055	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.33	87.23	89.00	3053	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.42	87.22	89.00	3052	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.50	87.22	89.00	3050	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.58	87.22	89.00	3049	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.67	87.21	89.00	3047	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.75	87.21	89.00	3046	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.83	87.21	89.00	3045	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.92	87.20	89.00	3043	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.00	87.20	89.00	3042	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.08	87.20	89.00	3040	0.00	0.04	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	41.17	87.19	89.00	3039	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.25	87.19	89.00	3037	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.33	87.18	89.00	3036	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.42	87.18	89.00	3034	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.50	87.18	89.00	3033	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.58	87.17	89.00	3031	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.67	87.17	89.00	3030	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.75	87.17	89.00	3028	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.83	87.16	89.00	3027	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.92	87.16	89.00	3025	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	42.00	87.16	89.00	3024	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.08	87.15	89.00	3023	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.17	87.15	89.00	3021	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.25	87.15	89.00	3020	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.33	87.14	89.00	3018	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.42	87.14	89.00	3017	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.50	87.14	89.00	3015	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.58	87.13	89.00	3014	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.67	87.13	89.00	3012	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.75	87.13	89.00	3011	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.83	87.12	89.00	3009	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.92	87.12	89.00	3008	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.00	87.12	89.00	3006	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.08	87.11	89.00	3005	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.17	87.11	89.00	3003	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.25	87.10	89.00	3002	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.33	87.10	89.00	3001	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.42	87.10	89.00	2999	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.50	87.09	89.00	2998	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.58	87.09	89.00	2996	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.67	87.09	89.00	2995	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.75	87.08	89.00	2993	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.83	87.08	89.00	2992	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.92	87.08	89.00	2990	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.00	87.07	89.00	2989	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.08	87.07	89.00	2987	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.17	87.07	89.00	2986	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.25	87.06	89.00	2984	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.33	87.06	89.00	2983	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.42	87.06	89.00	2981	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.50	87.05	89.00	2980	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.58	87.05	89.00	2979	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.67	87.05	89.00	2977	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.75	87.04	89.00	2976	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.83	87.04	89.00	2974	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.92	87.04	89.00	2973	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.00	87.03	89.00	2971	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.08	87.03	89.00	2970	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.17	87.02	89.00	2968	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.25	87.02	89.00	2967	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.33	87.02	89.00	2965	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.42	87.01	89.00	2964	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.50	87.01	89.00	2962	0.00	0.03	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	45.58	87.01	89.00	2961	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.67	87.00	89.00	2959	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.75	87.00	89.00	2958	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.83	87.00	89.00	2957	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.92	86.99	89.00	2956	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.00	86.99	89.00	2955	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.08	86.99	89.00	2954	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.17	86.98	89.00	2952	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.25	86.98	89.00	2951	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.33	86.98	89.00	2950	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.42	86.97	89.00	2949	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.50	86.97	89.00	2948	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.58	86.97	89.00	2947	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.67	86.96	89.00	2946	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.75	86.96	89.00	2945	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.83	86.96	89.00	2944	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.92	86.95	89.00	2943	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.00	86.95	89.00	2942	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.08	86.95	89.00	2940	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.17	86.94	89.00	2939	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.25	86.94	89.00	2938	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.33	86.93	89.00	2937	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.42	86.93	89.00	2936	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.50	86.93	89.00	2935	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.58	86.92	89.00	2934	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.67	86.92	89.00	2933	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.75	86.92	89.00	2932	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.83	86.91	89.00	2931	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.92	86.91	89.00	2930	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.00	86.91	89.00	2929	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.08	86.90	89.00	2927	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.17	86.90	89.00	2926	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.25	86.90	89.00	2925	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.33	86.89	89.00	2924	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.42	86.89	89.00	2923	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.50	86.89	89.00	2922	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.58	86.88	89.00	2921	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.67	86.88	89.00	2920	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.75	86.88	89.00	2919	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.83	86.87	89.00	2918	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.92	86.87	89.00	2917	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.00	86.87	89.00	2915	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.08	86.86	89.00	2914	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.17	86.86	89.00	2913	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.25	86.85	89.00	2912	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.33	86.85	89.00	2911	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.42	86.85	89.00	2910	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.50	86.84	89.00	2909	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.58	86.84	89.00	2908	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.67	86.84	89.00	2907	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.75	86.83	89.00	2906	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.83	86.83	89.00	2905	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.92	86.83	89.00	2903	0.00	0.03	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	50.00	86.82	89.00	2902	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.08	86.82	89.00	2901	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.17	86.82	89.00	2900	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.25	86.81	89.00	2899	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.33	86.81	89.00	2898	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.42	86.81	89.00	2897	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.50	86.80	89.00	2896	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.58	86.80	89.00	2895	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.67	86.80	89.00	2894	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.75	86.79	89.00	2893	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.83	86.79	89.00	2891	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.92	86.79	89.00	2890	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.00	86.78	89.00	2889	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.08	86.78	89.00	2888	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.17	86.77	89.00	2887	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.25	86.77	89.00	2886	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.33	86.77	89.00	2885	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.42	86.76	89.00	2884	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.50	86.76	89.00	2883	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.58	86.76	89.00	2882	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.67	86.75	89.00	2881	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.75	86.75	89.00	2880	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.83	86.75	89.00	2878	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.92	86.74	89.00	2877	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.00	86.74	89.00	2876	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.08	86.74	89.00	2875	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.17	86.73	89.00	2874	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.25	86.73	89.00	2873	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.33	86.73	89.00	2872	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.42	86.72	89.00	2871	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.50	86.72	89.00	2870	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.58	86.72	89.00	2869	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.67	86.71	89.00	2868	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.75	86.71	89.00	2866	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.83	86.71	89.00	2865	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.92	86.70	89.00	2864	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.00	86.70	89.00	2863	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.08	86.70	89.00	2862	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.17	86.69	89.00	2861	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.25	86.69	89.00	2860	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.33	86.68	89.00	2859	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.42	86.68	89.00	2858	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.50	86.68	89.00	2857	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.58	86.67	89.00	2856	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.67	86.67	89.00	2854	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.75	86.67	89.00	2853	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.83	86.66	89.00	2852	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.92	86.66	89.00	2851	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	54.00	86.66	89.00	2850	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	54.08	86.65	89.00	2849	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	54.17	86.65	89.00	2848	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.25	86.65	89.00	2847	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.33	86.64	89.00	2846	0.00	0.03	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	54.42	86.64	89.00	2845	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.50	86.64	89.00	2844	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.58	86.63	89.00	2842	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.67	86.63	89.00	2841	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.75	86.63	89.00	2840	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.83	86.62	89.00	2839	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.92	86.62	89.00	2838	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.00	86.62	89.00	2837	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.08	86.61	89.00	2836	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.17	86.61	89.00	2835	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.25	86.60	89.00	2834	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.33	86.60	89.00	2833	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.42	86.60	89.00	2832	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.50	86.59	89.00	2830	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.58	86.59	89.00	2829	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.67	86.59	89.00	2828	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.75	86.58	89.00	2827	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.83	86.58	89.00	2826	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.92	86.58	89.00	2825	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.00	86.57	89.00	2824	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.08	86.57	89.00	2823	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.17	86.57	89.00	2822	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.25	86.56	89.00	2821	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.33	86.56	89.00	2820	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.42	86.56	89.00	2819	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.50	86.55	89.00	2817	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.58	86.55	89.00	2816	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.67	86.55	89.00	2815	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.75	86.54	89.00	2814	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.83	86.54	89.00	2813	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.92	86.54	89.00	2812	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.00	86.53	89.00	2811	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.08	86.53	89.00	2810	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.17	86.52	89.00	2809	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.25	86.52	89.00	2808	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.33	86.52	89.00	2807	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.42	86.51	89.00	2805	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.50	86.51	89.00	2804	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.58	86.51	89.00	2803	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.67	86.50	89.00	2802	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.75	86.50	89.00	2801	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.83	86.50	89.00	2800	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.92	86.49	89.00	2799	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.00	86.49	89.00	2798	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.08	86.49	89.00	2797	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.17	86.48	89.00	2796	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.25	86.48	89.00	2795	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.33	86.48	89.00	2793	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.42	86.47	89.00	2792	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.50	86.47	89.00	2791	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.58	86.47	89.00	2790	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.67	86.46	89.00	2789	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.75	86.46	89.00	2788	0.00	0.03	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	58.83	86.46	89.00	2787	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.92	86.45	89.00	2786	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.00	86.45	89.00	2785	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.08	86.45	89.00	2784	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.17	86.44	89.00	2783	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.25	86.44	89.00	2781	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.33	86.43	89.00	2780	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.42	86.43	89.00	2779	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.50	86.43	89.00	2778	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.58	86.42	89.00	2777	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.67	86.42	89.00	2776	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.75	86.42	89.00	2775	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.83	86.41	89.00	2774	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.92	86.41	89.00	2773	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.00	86.41	89.00	2772	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.08	86.40	89.00	2771	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.17	86.40	89.00	2770	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.25	86.40	89.00	2768	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.33	86.39	89.00	2767	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.42	86.39	89.00	2766	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.50	86.39	89.00	2765	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.58	86.38	89.00	2764	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.67	86.38	89.00	2763	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.75	86.38	89.00	2762	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.83	86.37	89.00	2761	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.92	86.37	89.00	2760	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.00	86.37	89.00	2759	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.08	86.36	89.00	2758	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.17	86.36	89.00	2756	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.25	86.35	89.00	2755	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.33	86.35	89.00	2754	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.42	86.35	89.00	2753	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.50	86.34	89.00	2752	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.58	86.34	89.00	2751	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.67	86.34	89.00	2750	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.75	86.33	89.00	2749	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.83	86.33	89.00	2748	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.92	86.33	89.00	2747	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.00	86.32	89.00	2746	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.08	86.32	89.00	2744	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.17	86.32	89.00	2743	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.25	86.31	89.00	2742	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.33	86.31	89.00	2741	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.42	86.31	89.00	2740	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.50	86.30	89.00	2739	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.58	86.30	89.00	2738	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.67	86.30	89.00	2737	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.75	86.29	89.00	2736	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.83	86.29	89.00	2735	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.92	86.29	89.00	2734	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.00	86.28	89.00	2732	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.08	86.28	89.00	2731	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.17	86.27	89.00	2730	0.00	0.03	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	63.25	86.27	89.00	2729	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.33	86.27	89.00	2728	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.42	86.26	89.00	2727	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.50	86.26	89.00	2726	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.58	86.26	89.00	2725	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.67	86.25	89.00	2724	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.75	86.25	89.00	2723	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.83	86.25	89.00	2722	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.92	86.24	89.00	2721	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.00	86.24	89.00	2719	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.08	86.24	89.00	2718	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.17	86.23	89.00	2717	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.25	86.23	89.00	2716	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.33	86.23	89.00	2715	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.42	86.22	89.00	2714	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.50	86.22	89.00	2713	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.58	86.22	89.00	2712	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.67	86.21	89.00	2711	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.75	86.21	89.00	2710	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.83	86.21	89.00	2709	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.92	86.20	89.00	2707	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.00	86.20	89.00	2706	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.08	86.20	89.00	2705	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.17	86.19	89.00	2704	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.25	86.19	89.00	2703	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.33	86.18	89.00	2702	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.42	86.18	89.00	2701	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.50	86.18	89.00	2700	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.58	86.17	89.00	2699	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.67	86.17	89.00	2698	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.75	86.17	89.00	2697	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.83	86.16	89.00	2695	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.92	86.16	89.00	2694	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.00	86.16	89.00	2693	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.08	86.15	89.00	2692	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.17	86.15	89.00	2691	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.25	86.15	89.00	2690	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.33	86.14	89.00	2689	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.42	86.14	89.00	2688	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.50	86.14	89.00	2687	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.58	86.13	89.00	2686	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.67	86.13	89.00	2685	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.75	86.13	89.00	2683	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.83	86.12	89.00	2682	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.92	86.12	89.00	2681	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.00	86.12	89.00	2680	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.08	86.11	89.00	2679	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.17	86.11	89.00	2678	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.25	86.10	89.00	2677	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.33	86.10	89.00	2676	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.42	86.10	89.00	2675	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.50	86.09	89.00	2674	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.58	86.09	89.00	2673	0.00	0.03	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	67.67	86.09	89.00	2672	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.75	86.08	89.00	2670	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.83	86.08	89.00	2669	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.92	86.08	89.00	2668	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.00	86.07	89.00	2667	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.08	86.07	89.00	2666	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.17	86.07	89.00	2665	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.25	86.06	89.00	2664	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.33	86.06	89.00	2663	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.42	86.06	89.00	2662	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.50	86.05	89.00	2661	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.58	86.05	89.00	2660	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.67	86.05	89.00	2658	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.75	86.04	89.00	2657	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.83	86.04	89.00	2656	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.92	86.04	89.00	2655	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.00	86.03	89.00	2654	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.08	86.03	89.00	2653	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.17	86.02	89.00	2652	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.25	86.02	89.00	2651	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.33	86.02	89.00	2650	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.42	86.01	89.00	2649	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.50	86.01	89.00	2648	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.58	86.01	89.00	2646	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.67	86.00	89.00	2645	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.75	86.00	89.00	2644	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.83	86.00	89.00	2643	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.92	85.99	89.00	2642	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.00	85.99	89.00	2641	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.08	85.99	89.00	2640	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.17	85.98	89.00	2639	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.25	85.98	89.00	2638	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.33	85.98	89.00	2637	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.42	85.97	89.00	2636	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.50	85.97	89.00	2635	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.58	85.97	89.00	2634	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.67	85.96	89.00	2633	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.75	85.96	89.00	2632	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.83	85.96	89.00	2631	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.92	85.95	89.00	2630	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.00	85.95	89.00	2629	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.08	85.95	89.00	2628	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.17	85.94	89.00	2627	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.25	85.94	89.00	2626	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.33	85.93	89.00	2625	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.42	85.93	89.00	2624	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.50	85.93	89.00	2623	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.58	85.92	89.00	2622	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.67	85.92	89.00	2621	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.75	85.92	89.00	2620	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.83	85.91	89.00	2619	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.92	85.91	89.00	2618	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.00	85.91	89.00	2616	0.00	0.03	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	72.08	85.90	89.00	2615	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.17	85.90	89.00	2614	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.25	85.90	89.00	2613	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.33	85.89	89.00	2612	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.42	85.89	89.00	2611	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.50	85.89	89.00	2610	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.58	85.88	89.00	2609	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.67	85.88	89.00	2608	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.75	85.88	89.00	2607	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.83	85.87	89.00	2606	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.92	85.87	89.00	2605	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.00	85.87	89.00	2604	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.08	85.86	89.00	2603	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.17	85.86	89.00	2602	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.25	85.85	89.00	2601	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.33	85.85	89.00	2600	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.42	85.85	89.00	2599	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.50	85.84	89.00	2598	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.58	85.84	89.00	2597	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.67	85.84	89.00	2596	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.75	85.83	89.00	2595	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.83	85.83	89.00	2594	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.92	85.83	89.00	2593	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.00	85.82	89.00	2592	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.08	85.82	89.00	2591	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.17	85.82	89.00	2590	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.25	85.81	89.00	2589	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.33	85.81	89.00	2588	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.42	85.81	89.00	2587	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.50	85.80	89.00	2586	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.58	85.80	89.00	2585	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.67	85.80	89.00	2584	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.75	85.79	89.00	2583	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.83	85.79	89.00	2582	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.92	85.79	89.00	2581	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.00	85.78	89.00	2579	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.08	85.78	89.00	2578	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.17	85.77	89.00	2577	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.25	85.77	89.00	2576	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.33	85.77	89.00	2575	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.42	85.76	89.00	2574	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.50	85.76	89.00	2573	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.58	85.76	89.00	2572	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.67	85.75	89.00	2571	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.75	85.75	89.00	2570	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.83	85.75	89.00	2569	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.92	85.74	89.00	2568	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	76.00	85.74	89.00	2567	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	76.08	85.74	89.00	2566	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	76.17	85.73	89.00	2565	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	76.25	85.73	89.00	2564	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	76.33	85.73	89.00	2563	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	76.42	85.72	89.00	2562	0.00	0.03	0.0	0.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-13	BASE	76.50	85.72	89.00	2561	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	76.58	85.72	89.00	2560	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	76.67	85.71	89.00	2559	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	76.75	85.71	89.00	2558	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	76.83	85.71	89.00	2557	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	76.92	85.70	89.00	2556	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.00	85.70	89.00	2555	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.08	85.70	89.00	2554	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.17	85.69	89.00	2553	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.25	85.69	89.00	2552	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.33	85.68	89.00	2551	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.42	85.68	89.00	2550	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.50	85.68	89.00	2549	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.58	85.67	89.00	2548	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.67	85.67	89.00	2547	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.75	85.67	89.00	2546	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.83	85.66	89.00	2545	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.92	85.66	89.00	2543	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.00	85.66	89.00	2542	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.08	85.65	89.00	2541	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.17	85.65	89.00	2540	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.25	85.65	89.00	2539	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.33	85.64	89.00	2538	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.42	85.64	89.00	2537	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.50	85.64	89.00	2536	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.58	85.63	89.00	2535	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.67	85.63	89.00	2534	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.75	85.63	89.00	2533	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.83	85.62	89.00	2532	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.92	85.62	89.00	2531	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.00	85.62	89.00	2530	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.08	85.61	89.00	2529	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.17	85.61	89.00	2528	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.25	85.60	89.00	2527	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.33	85.60	89.00	2526	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.42	85.60	89.00	2525	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.50	85.59	89.00	2524	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.58	85.59	89.00	2523	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.67	85.59	89.00	2522	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.75	85.58	89.00	2521	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.83	85.58	89.00	2520	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.92	85.58	89.00	2519	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	80.00	85.57	89.00	2518	0.00	0.03	0.0	0.3	BASIN-13 WQTV
WQTV	BASIN-14	BASE	0.00	78.32	84.00	9339	0.00	0.00	0.0	0.0	
WQTV	BASIN-14	BASE	0.08	78.32	84.00	9325	0.00	0.11	0.0	0.0	
WQTV	BASIN-14	BASE	0.17	78.31	84.00	9310	0.00	0.11	0.0	0.0	
WQTV	BASIN-14	BASE	0.25	78.31	84.00	9296	0.00	0.11	0.0	0.0	
WQTV	BASIN-14	BASE	0.33	78.31	84.00	9282	0.00	0.11	0.0	0.0	
WQTV	BASIN-14	BASE	0.42	78.30	84.00	9268	0.00	0.11	0.0	0.0	
WQTV	BASIN-14	BASE	0.50	78.30	84.00	9254	0.00	0.11	0.0	0.0	
WQTV	BASIN-14	BASE	0.58	78.30	84.00	9240	0.00	0.11	0.0	0.0	

Alachua Solar Post-Development WQTV Recovery

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	0.00	77.77	84.00	7273	0.00	0.00	0.0	0.0
WQTV	BASIN-14	BASE	0.08	77.77	84.00	7262	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.17	77.76	84.00	7250	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.25	77.76	84.00	7239	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.33	77.76	84.00	7227	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.42	77.75	84.00	7216	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.50	77.75	84.00	7204	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.58	77.75	84.00	7193	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.67	77.74	84.00	7181	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.75	77.74	84.00	7170	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.83	77.74	84.00	7158	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.92	77.73	84.00	7146	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.00	77.73	84.00	7135	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.09	77.72	84.00	7123	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.17	77.72	84.00	7112	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.25	77.72	84.00	7100	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.33	77.71	84.00	7089	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.42	77.71	84.00	7077	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.50	77.71	84.00	7066	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.59	77.70	84.00	7054	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.67	77.70	84.00	7043	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.75	77.70	84.00	7031	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.83	77.69	84.00	7020	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.92	77.69	84.00	7008	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.00	77.69	84.00	6997	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.09	77.68	84.00	6985	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.17	77.68	84.00	6974	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.25	77.68	84.00	6962	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.34	77.67	84.00	6950	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.42	77.67	84.00	6939	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.50	77.67	84.00	6927	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.59	77.66	84.00	6916	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.67	77.66	84.00	6905	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.75	77.66	84.00	6893	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.84	77.65	84.00	6881	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.92	77.65	84.00	6870	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.00	77.64	84.00	6858	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.09	77.64	84.00	6846	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.17	77.64	84.00	6835	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.25	77.63	84.00	6824	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.34	77.63	84.00	6812	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.42	77.63	84.00	6800	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.50	77.62	84.00	6789	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.58	77.62	84.00	6778	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.67	77.62	84.00	6766	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.75	77.61	84.00	6754	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.83	77.61	84.00	6743	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.92	77.61	84.00	6731	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.01	77.60	84.00	6719	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.09	77.60	84.00	6708	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.17	77.60	84.00	6696	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.25	77.59	84.00	6686	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.34	77.59	84.00	6674	0.00	0.08	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	4.42	77.59	84.00	6662	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.50	77.58	84.00	6651	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.59	77.58	84.00	6639	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.67	77.58	84.00	6628	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.75	77.57	84.00	6616	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.84	77.57	84.00	6604	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.92	77.57	84.00	6593	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.01	77.56	84.00	6581	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.09	77.56	84.00	6570	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.17	77.55	84.00	6558	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.25	77.55	84.00	6547	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.34	77.55	84.00	6535	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.42	77.54	84.00	6524	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.50	77.54	84.00	6512	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.58	77.54	84.00	6501	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.67	77.53	84.00	6490	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.75	77.53	84.00	6478	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	5.84	77.53	84.00	6466	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	5.92	77.52	84.00	6454	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.01	77.52	84.00	6443	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.09	77.52	84.00	6431	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.17	77.51	84.00	6420	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.25	77.51	84.00	6408	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.34	77.51	84.00	6397	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.42	77.50	84.00	6385	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.50	77.50	84.00	6374	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.59	77.50	84.00	6363	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.67	77.49	84.00	6351	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.75	77.49	84.00	6340	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.83	77.49	84.00	6328	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.92	77.48	84.00	6317	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.00	77.48	84.00	6305	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.08	77.47	84.00	6294	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.17	77.47	84.00	6282	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.25	77.47	84.00	6271	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.33	77.46	84.00	6259	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.42	77.46	84.00	6248	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.50	77.46	84.00	6236	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.58	77.45	84.00	6225	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.67	77.45	84.00	6213	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.75	77.45	84.00	6201	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.83	77.44	84.00	6190	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	7.92	77.44	84.00	6178	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.00	77.44	84.00	6167	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.08	77.43	84.00	6155	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.17	77.43	84.00	6144	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.25	77.43	84.00	6132	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.33	77.42	84.00	6121	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.42	77.42	84.00	6109	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.50	77.42	84.00	6098	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.58	77.41	84.00	6086	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.67	77.41	84.00	6075	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.75	77.41	84.00	6063	0.00	0.07	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	8.83	77.40	84.00	6052	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.92	77.40	84.00	6040	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.00	77.39	84.00	6029	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.08	77.39	84.00	6017	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.17	77.39	84.00	6006	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.25	77.38	84.00	5994	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.33	77.38	84.00	5982	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.42	77.38	84.00	5971	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.50	77.37	84.00	5959	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.58	77.37	84.00	5948	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.67	77.37	84.00	5936	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.75	77.36	84.00	5925	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.83	77.36	84.00	5913	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.92	77.36	84.00	5902	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.00	77.35	84.00	5890	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.08	77.35	84.00	5879	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.17	77.35	84.00	5867	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.25	77.34	84.00	5856	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.33	77.34	84.00	5844	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.42	77.34	84.00	5833	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.50	77.33	84.00	5821	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.58	77.33	84.00	5810	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.67	77.33	84.00	5798	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.75	77.32	84.00	5787	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.83	77.32	84.00	5775	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.92	77.32	84.00	5763	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.00	77.31	84.00	5752	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.08	77.31	84.00	5740	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.17	77.30	84.00	5729	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.25	77.30	84.00	5717	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.33	77.30	84.00	5706	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.42	77.29	84.00	5694	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.50	77.29	84.00	5683	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.58	77.29	84.00	5671	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.67	77.28	84.00	5660	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.75	77.28	84.00	5648	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.83	77.28	84.00	5637	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.92	77.27	84.00	5625	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	12.00	77.27	84.00	5614	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.08	77.27	84.00	5602	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.17	77.26	84.00	5591	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.25	77.26	84.00	5579	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.33	77.26	84.00	5568	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.42	77.25	84.00	5556	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.50	77.25	84.00	5545	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.58	77.25	84.00	5533	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.67	77.24	84.00	5521	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.75	77.24	84.00	5510	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.83	77.24	84.00	5498	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.92	77.23	84.00	5487	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.00	77.23	84.00	5475	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.08	77.22	84.00	5464	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.17	77.22	84.00	5452	0.00	0.06	0.0	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-14	BASE	13.25	77.22	84.00	5441	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.33	77.21	84.00	5429	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.42	77.21	84.00	5418	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.50	77.21	84.00	5406	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.58	77.20	84.00	5395	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.67	77.20	84.00	5383	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.75	77.20	84.00	5372	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.83	77.19	84.00	5360	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.92	77.19	84.00	5349	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.00	77.19	84.00	5337	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.08	77.18	84.00	5326	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.17	77.18	84.00	5314	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.25	77.18	84.00	5302	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.33	77.17	84.00	5291	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.42	77.17	84.00	5279	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.50	77.17	84.00	5268	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.58	77.16	84.00	5256	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.67	77.16	84.00	5245	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.75	77.16	84.00	5233	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.83	77.15	84.00	5222	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.92	77.15	84.00	5210	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.00	77.14	84.00	5199	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.08	77.14	84.00	5187	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.17	77.14	84.00	5176	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.25	77.13	84.00	5164	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.33	77.13	84.00	5153	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.42	77.13	84.00	5141	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.50	77.12	84.00	5130	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.58	77.12	84.00	5118	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.67	77.12	84.00	5107	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.75	77.11	84.00	5095	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.83	77.11	84.00	5084	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.92	77.11	84.00	5072	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.00	77.10	84.00	5060	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.08	77.10	84.00	5049	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.17	77.10	84.00	5037	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.25	77.09	84.00	5026	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.33	77.09	84.00	5014	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.42	77.09	84.00	5003	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.50	77.08	84.00	4991	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.58	77.08	84.00	4980	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.67	77.08	84.00	4968	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.75	77.07	84.00	4957	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.83	77.07	84.00	4945	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.92	77.07	84.00	4934	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.00	77.06	84.00	4922	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.08	77.06	84.00	4911	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.17	77.05	84.00	4899	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.25	77.05	84.00	4888	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.33	77.05	84.00	4876	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.42	77.04	84.00	4865	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.50	77.04	84.00	4853	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.58	77.04	84.00	4841	0.00	0.06	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	17.67	77.03	84.00	4830	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.75	77.03	84.00	4818	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.83	77.03	84.00	4807	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.92	77.02	84.00	4795	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	18.00	77.02	84.00	4784	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	18.08	77.02	84.00	4772	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	18.17	77.01	84.00	4761	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	18.25	77.01	84.00	4749	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.33	77.01	84.00	4738	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.42	77.00	84.00	4726	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.50	77.00	84.00	4715	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.58	77.00	84.00	4704	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.67	76.99	84.00	4694	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.75	76.99	84.00	4683	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.83	76.99	84.00	4672	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.92	76.98	84.00	4661	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.00	76.98	84.00	4651	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.08	76.97	84.00	4640	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.17	76.97	84.00	4629	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.25	76.97	84.00	4619	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.33	76.96	84.00	4608	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.42	76.96	84.00	4597	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.50	76.96	84.00	4587	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.58	76.95	84.00	4576	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.67	76.95	84.00	4565	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.75	76.95	84.00	4555	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.83	76.94	84.00	4544	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.92	76.94	84.00	4533	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.00	76.94	84.00	4522	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.08	76.93	84.00	4512	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.17	76.93	84.00	4501	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.25	76.93	84.00	4490	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.33	76.92	84.00	4480	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.42	76.92	84.00	4469	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.50	76.92	84.00	4458	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.58	76.91	84.00	4448	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.67	76.91	84.00	4437	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.75	76.91	84.00	4426	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.83	76.90	84.00	4415	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.92	76.90	84.00	4405	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.00	76.89	84.00	4394	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.08	76.89	84.00	4383	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.17	76.89	84.00	4373	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.25	76.88	84.00	4362	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.33	76.88	84.00	4351	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.42	76.88	84.00	4341	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.50	76.87	84.00	4330	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.58	76.87	84.00	4319	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.67	76.87	84.00	4309	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.75	76.86	84.00	4298	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.83	76.86	84.00	4287	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.92	76.86	84.00	4276	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.00	76.85	84.00	4266	0.00	0.05	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	22.08	76.85	84.00	4255	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.17	76.85	84.00	4244	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.25	76.84	84.00	4234	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.33	76.84	84.00	4223	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.42	76.84	84.00	4212	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.50	76.83	84.00	4202	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.58	76.83	84.00	4191	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.67	76.83	84.00	4180	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.75	76.82	84.00	4170	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.83	76.82	84.00	4159	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.92	76.82	84.00	4148	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.00	76.81	84.00	4137	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.08	76.81	84.00	4127	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.17	76.80	84.00	4116	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.25	76.80	84.00	4105	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.33	76.80	84.00	4095	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.42	76.79	84.00	4084	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.50	76.79	84.00	4073	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.58	76.79	84.00	4063	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.67	76.78	84.00	4052	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.75	76.78	84.00	4041	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.83	76.78	84.00	4031	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.92	76.77	84.00	4020	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.00	76.77	84.00	4009	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.08	76.77	84.00	3998	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.17	76.76	84.00	3988	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.25	76.76	84.00	3977	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.33	76.76	84.00	3966	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.42	76.75	84.00	3956	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.50	76.75	84.00	3945	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.58	76.75	84.00	3934	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.67	76.74	84.00	3924	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.75	76.74	84.00	3913	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.83	76.74	84.00	3902	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.92	76.73	84.00	3892	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	25.00	76.73	84.00	3881	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.08	76.72	84.00	3870	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.17	76.72	84.00	3859	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.25	76.72	84.00	3849	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.33	76.71	84.00	3838	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.42	76.71	84.00	3827	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.50	76.71	84.00	3817	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.58	76.70	84.00	3806	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.67	76.70	84.00	3795	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.75	76.70	84.00	3785	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.83	76.69	84.00	3774	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.92	76.69	84.00	3763	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.00	76.69	84.00	3753	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.08	76.68	84.00	3742	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.17	76.68	84.00	3731	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.25	76.68	84.00	3720	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.33	76.67	84.00	3710	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.42	76.67	84.00	3699	0.00	0.04	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	26.50	76.67	84.00	3688	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.58	76.66	84.00	3678	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.67	76.66	84.00	3667	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.75	76.66	84.00	3656	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.83	76.65	84.00	3646	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.92	76.65	84.00	3635	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.00	76.64	84.00	3624	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.08	76.64	84.00	3613	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.17	76.64	84.00	3603	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.25	76.63	84.00	3592	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.33	76.63	84.00	3581	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.42	76.63	84.00	3571	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.50	76.62	84.00	3560	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.58	76.62	84.00	3549	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.67	76.62	84.00	3539	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.75	76.61	84.00	3528	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.83	76.61	84.00	3517	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.92	76.61	84.00	3507	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.00	76.60	84.00	3496	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.08	76.60	84.00	3485	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.17	76.60	84.00	3474	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.25	76.59	84.00	3464	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.33	76.59	84.00	3453	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.42	76.59	84.00	3442	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.50	76.58	84.00	3432	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.58	76.58	84.00	3421	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.67	76.58	84.00	3410	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.75	76.57	84.00	3400	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.83	76.57	84.00	3389	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.92	76.57	84.00	3378	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.00	76.56	84.00	3368	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.08	76.56	84.00	3357	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.17	76.55	84.00	3346	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.25	76.55	84.00	3335	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.33	76.55	84.00	3325	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.42	76.54	84.00	3314	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.50	76.54	84.00	3303	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.58	76.54	84.00	3293	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.67	76.53	84.00	3282	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.75	76.53	84.00	3271	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.83	76.53	84.00	3261	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.92	76.52	84.00	3250	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	30.00	76.52	84.00	3239	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	30.08	76.52	84.00	3229	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	30.17	76.51	84.00	3218	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.25	76.51	84.00	3207	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.33	76.51	84.00	3196	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.42	76.50	84.00	3186	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.50	76.50	84.00	3175	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.58	76.50	84.00	3164	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.67	76.49	84.00	3154	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.75	76.49	84.00	3143	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.83	76.49	84.00	3132	0.00	0.04	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	30.92	76.48	84.00	3122	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.00	76.48	84.00	3111	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.08	76.47	84.00	3100	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.17	76.47	84.00	3090	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.25	76.47	84.00	3079	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.33	76.46	84.00	3068	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.42	76.46	84.00	3057	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.50	76.46	84.00	3047	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.58	76.45	84.00	3036	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.67	76.45	84.00	3025	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.75	76.45	84.00	3015	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	31.83	76.44	84.00	3004	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	31.92	76.44	84.00	2993	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.00	76.44	84.00	2983	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.08	76.43	84.00	2972	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.17	76.43	84.00	2961	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.25	76.43	84.00	2950	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.33	76.42	84.00	2940	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.42	76.42	84.00	2929	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.50	76.42	84.00	2918	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.58	76.41	84.00	2908	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.67	76.41	84.00	2897	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.75	76.41	84.00	2886	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.83	76.40	84.00	2876	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.92	76.40	84.00	2865	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.00	76.39	84.00	2854	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.08	76.39	84.00	2844	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.17	76.39	84.00	2833	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.25	76.38	84.00	2822	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.33	76.38	84.00	2811	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.42	76.38	84.00	2801	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.50	76.37	84.00	2790	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.58	76.37	84.00	2779	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.67	76.37	84.00	2769	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.75	76.36	84.00	2758	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.83	76.36	84.00	2747	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.92	76.36	84.00	2737	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.00	76.35	84.00	2726	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.08	76.35	84.00	2715	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.17	76.35	84.00	2705	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.25	76.34	84.00	2694	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.33	76.34	84.00	2683	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.42	76.34	84.00	2672	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.50	76.33	84.00	2662	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.58	76.33	84.00	2651	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.67	76.33	84.00	2640	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.75	76.32	84.00	2630	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.83	76.32	84.00	2619	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.92	76.32	84.00	2608	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.00	76.31	84.00	2598	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.08	76.31	84.00	2587	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.17	76.30	84.00	2576	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.25	76.30	84.00	2566	0.00	0.03	0.0	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-14	BASE	35.33	76.30	84.00	2555	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.42	76.29	84.00	2544	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.50	76.29	84.00	2533	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.58	76.29	84.00	2523	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.67	76.28	84.00	2512	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.75	76.28	84.00	2501	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.83	76.28	84.00	2491	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.92	76.27	84.00	2480	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.00	76.27	84.00	2469	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.08	76.27	84.00	2459	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.17	76.26	84.00	2448	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.25	76.26	84.00	2437	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.33	76.26	84.00	2427	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.42	76.25	84.00	2416	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.50	76.25	84.00	2405	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.58	76.25	84.00	2394	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.67	76.24	84.00	2384	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.75	76.24	84.00	2373	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.83	76.24	84.00	2362	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.92	76.23	84.00	2352	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.00	76.23	84.00	2341	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.08	76.22	84.00	2330	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.17	76.22	84.00	2320	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.25	76.22	84.00	2309	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.33	76.21	84.00	2298	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.42	76.21	84.00	2288	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.50	76.21	84.00	2277	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.58	76.20	84.00	2266	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.67	76.20	84.00	2255	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.75	76.20	84.00	2245	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.83	76.19	84.00	2234	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.92	76.19	84.00	2223	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	38.00	76.19	84.00	2213	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	38.08	76.18	84.00	2202	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	38.17	76.18	84.00	2191	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	38.25	76.18	84.00	2181	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	38.33	76.17	84.00	2170	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	38.42	76.17	84.00	2159	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	38.50	76.17	84.00	2148	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	38.58	76.16	84.00	2138	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	38.67	76.16	84.00	2127	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	38.75	76.16	84.00	2116	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	38.83	76.15	84.00	2106	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	38.92	76.15	84.00	2095	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.00	76.14	84.00	2084	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.08	76.14	84.00	2074	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.17	76.14	84.00	2063	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.25	76.13	84.00	2052	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.33	76.13	84.00	2042	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.42	76.13	84.00	2031	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.50	76.12	84.00	2020	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.58	76.12	84.00	2009	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.67	76.12	84.00	1999	0.00	0.02	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	39.75	76.11	84.00	1988	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.83	76.11	84.00	1977	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.92	76.11	84.00	1967	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.00	76.10	84.00	1956	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.08	76.10	84.00	1945	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.17	76.10	84.00	1935	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.25	76.09	84.00	1924	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.33	76.09	84.00	1913	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.42	76.09	84.00	1903	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.50	76.08	84.00	1892	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.58	76.08	84.00	1881	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.67	76.08	84.00	1870	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.75	76.07	84.00	1860	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.83	76.07	84.00	1849	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.92	76.07	84.00	1838	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.00	76.06	84.00	1828	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.08	76.06	84.00	1817	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.17	76.05	84.00	1806	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.25	76.05	84.00	1796	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.33	76.05	84.00	1785	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.42	76.04	84.00	1774	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.50	76.04	84.00	1764	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.58	76.04	84.00	1753	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.67	76.03	84.00	1742	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.75	76.03	84.00	1731	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.83	76.03	84.00	1721	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.92	76.02	84.00	1710	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.00	76.02	84.00	1699	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.08	76.02	84.00	1689	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.17	76.01	84.00	1678	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.25	76.01	84.00	1667	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.33	76.01	84.00	1657	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.42	76.00	84.00	1646	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.50	76.00	84.00	1637	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.58	76.00	84.00	1631	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.67	75.99	84.00	1626	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.75	75.99	84.00	1621	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.83	75.99	84.00	1615	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.92	75.98	84.00	1610	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.00	75.98	84.00	1605	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.08	75.97	84.00	1599	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.17	75.97	84.00	1594	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.25	75.97	84.00	1589	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.33	75.96	84.00	1583	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.42	75.96	84.00	1578	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.50	75.96	84.00	1573	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.58	75.95	84.00	1568	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.67	75.95	84.00	1562	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.75	75.95	84.00	1557	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.83	75.94	84.00	1552	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.92	75.94	84.00	1546	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.00	75.94	84.00	1541	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.08	75.93	84.00	1536	0.00	0.02	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	44.17	75.93	84.00	1530	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.25	75.93	84.00	1525	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.33	75.92	84.00	1520	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.42	75.92	84.00	1514	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.50	75.92	84.00	1509	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.58	75.91	84.00	1504	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.67	75.91	84.00	1499	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.75	75.91	84.00	1493	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.83	75.90	84.00	1488	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.92	75.90	84.00	1483	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.00	75.89	84.00	1477	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.08	75.89	84.00	1472	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.17	75.89	84.00	1467	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.25	75.88	84.00	1461	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.33	75.88	84.00	1456	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.42	75.88	84.00	1451	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.50	75.87	84.00	1445	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.58	75.87	84.00	1440	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.67	75.87	84.00	1435	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.75	75.86	84.00	1429	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.83	75.86	84.00	1424	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.92	75.86	84.00	1419	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.00	75.85	84.00	1414	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.08	75.85	84.00	1408	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.17	75.85	84.00	1403	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.25	75.84	84.00	1398	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.33	75.84	84.00	1392	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.42	75.84	84.00	1387	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.50	75.83	84.00	1382	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.58	75.83	84.00	1376	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.67	75.83	84.00	1371	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.75	75.82	84.00	1366	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.83	75.82	84.00	1360	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.92	75.82	84.00	1355	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.00	75.81	84.00	1350	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.08	75.81	84.00	1345	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.17	75.80	84.00	1339	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.25	75.80	84.00	1334	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.33	75.80	84.00	1329	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.42	75.79	84.00	1323	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.50	75.79	84.00	1318	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.58	75.79	84.00	1313	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.67	75.78	84.00	1307	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.75	75.78	84.00	1302	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.83	75.78	84.00	1297	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.92	75.77	84.00	1291	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.00	75.77	84.00	1286	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.08	75.77	84.00	1281	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.17	75.76	84.00	1276	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.25	75.76	84.00	1270	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.33	75.76	84.00	1265	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.42	75.75	84.00	1260	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.50	75.75	84.00	1254	0.00	0.01	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	48.58	75.75	84.00	1249	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.67	75.74	84.00	1244	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.75	75.74	84.00	1238	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.83	75.74	84.00	1233	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.92	75.73	84.00	1228	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.00	75.73	84.00	1222	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.08	75.72	84.00	1217	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.17	75.72	84.00	1212	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.25	75.72	84.00	1207	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.33	75.71	84.00	1201	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.42	75.71	84.00	1196	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.50	75.71	84.00	1191	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.58	75.70	84.00	1185	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.67	75.70	84.00	1180	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.75	75.70	84.00	1175	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.83	75.69	84.00	1169	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.92	75.69	84.00	1164	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.00	75.69	84.00	1159	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.08	75.68	84.00	1153	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.17	75.68	84.00	1148	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.25	75.68	84.00	1143	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.33	75.67	84.00	1138	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.42	75.67	84.00	1132	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.50	75.67	84.00	1127	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.58	75.66	84.00	1122	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.67	75.66	84.00	1116	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.75	75.66	84.00	1111	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.83	75.65	84.00	1106	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.92	75.65	84.00	1100	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.00	75.64	84.00	1095	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.08	75.64	84.00	1090	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.17	75.64	84.00	1084	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.25	75.63	84.00	1079	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.33	75.63	84.00	1074	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.42	75.63	84.00	1068	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.50	75.62	84.00	1063	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.58	75.62	84.00	1058	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.67	75.62	84.00	1053	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.75	75.61	84.00	1047	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.83	75.61	84.00	1042	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.92	75.61	84.00	1037	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.00	75.60	84.00	1031	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.08	75.60	84.00	1026	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.17	75.60	84.00	1021	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.25	75.59	84.00	1015	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.33	75.59	84.00	1010	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.42	75.59	84.00	1005	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.50	75.58	84.00	999	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.58	75.58	84.00	994	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.67	75.58	84.00	989	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.75	75.57	84.00	984	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.83	75.57	84.00	978	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.92	75.57	84.00	973	0.00	0.01	0.0	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-14	BASE	53.00	75.56	84.00	968	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.08	75.56	84.00	962	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.17	75.55	84.00	957	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.25	75.55	84.00	952	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.33	75.55	84.00	946	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.42	75.54	84.00	941	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.50	75.54	84.00	936	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.58	75.54	84.00	930	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.67	75.53	84.00	925	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.75	75.53	84.00	920	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.83	75.53	84.00	915	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.92	75.52	84.00	909	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.00	75.52	84.00	904	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.08	75.52	84.00	899	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.17	75.51	84.00	893	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.25	75.51	84.00	888	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.33	75.51	84.00	883	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.42	75.50	84.00	877	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.50	75.50	84.00	872	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.58	75.50	84.00	867	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.67	75.49	84.00	861	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.75	75.49	84.00	856	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.83	75.49	84.00	851	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.92	75.48	84.00	846	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.00	75.48	84.00	840	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.08	75.47	84.00	835	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.17	75.47	84.00	830	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.25	75.47	84.00	824	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.33	75.46	84.00	819	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.42	75.46	84.00	814	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.50	75.46	84.00	808	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.58	75.45	84.00	803	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.67	75.45	84.00	798	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.75	75.45	84.00	792	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.83	75.44	84.00	787	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.92	75.44	84.00	782	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.00	75.44	84.00	777	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.08	75.43	84.00	771	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.17	75.43	84.00	766	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.25	75.43	84.00	761	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.33	75.42	84.00	755	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.42	75.42	84.00	750	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.50	75.42	84.00	745	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.58	75.41	84.00	739	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.67	75.41	84.00	734	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.75	75.41	84.00	729	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.83	75.40	84.00	723	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.92	75.40	84.00	718	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.00	75.39	84.00	713	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.08	75.39	84.00	707	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.17	75.39	84.00	702	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.25	75.38	84.00	697	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.33	75.38	84.00	692	0.00	0.01	0.0	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-14	BASE	57.42	75.38	84.00	686	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.50	75.37	84.00	681	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.58	75.37	84.00	676	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.67	75.37	84.00	670	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.75	75.36	84.00	665	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.83	75.36	84.00	660	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.92	75.36	84.00	654	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.00	75.35	84.00	649	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.08	75.35	84.00	644	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.17	75.35	84.00	638	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.25	75.34	84.00	633	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.33	75.34	84.00	628	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.42	75.34	84.00	623	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.50	75.33	84.00	617	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.58	75.33	84.00	612	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.67	75.33	84.00	607	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.75	75.32	84.00	601	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.83	75.32	84.00	596	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.92	75.32	84.00	591	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.00	75.31	84.00	585	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.08	75.31	84.00	580	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.17	75.30	84.00	575	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.25	75.30	84.00	569	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.33	75.30	84.00	564	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.42	75.29	84.00	559	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.50	75.29	84.00	554	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.58	75.29	84.00	548	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.67	75.28	84.00	543	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.75	75.28	84.00	538	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.83	75.28	84.00	532	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.92	75.27	84.00	527	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.00	75.27	84.00	522	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.08	75.27	84.00	516	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.17	75.26	84.00	511	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.25	75.26	84.00	506	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.33	75.26	84.00	500	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.42	75.25	84.00	495	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.50	75.25	84.00	490	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.58	75.25	84.00	485	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.67	75.24	84.00	479	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.75	75.24	84.00	474	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.83	75.24	84.00	469	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.92	75.23	84.00	463	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	61.00	75.23	84.00	458	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	61.08	75.22	84.00	453	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	61.17	75.22	84.00	447	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	61.25	75.22	84.00	442	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	61.33	75.21	84.00	437	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	61.42	75.21	84.00	431	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	61.50	75.21	84.00	426	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	61.58	75.20	84.00	421	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	61.67	75.20	84.00	416	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	61.75	75.20	84.00	410	0.00	0.00	0.0	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-14	BASE	61.83	75.19	84.00	405	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	61.92	75.19	84.00	400	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.00	75.19	84.00	394	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.08	75.18	84.00	389	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.17	75.18	84.00	384	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.25	75.18	84.00	378	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.33	75.17	84.00	373	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.42	75.17	84.00	368	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.50	75.17	84.00	362	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.58	75.16	84.00	357	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.67	75.16	84.00	352	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.75	75.16	84.00	346	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.83	75.15	84.00	341	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.92	75.15	84.00	336	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.00	75.14	84.00	331	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.08	75.14	84.00	325	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.17	75.14	84.00	320	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.25	75.13	84.00	315	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.33	75.13	84.00	309	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.42	75.13	84.00	304	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.50	75.12	84.00	299	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.58	75.12	84.00	293	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.67	75.12	84.00	288	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.75	75.11	84.00	283	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.83	75.11	84.00	277	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.92	75.11	84.00	272	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.00	75.10	84.00	267	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.08	75.10	84.00	262	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.17	75.10	84.00	256	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.25	75.09	84.00	251	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.33	75.09	84.00	246	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.42	75.09	84.00	240	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.50	75.08	84.00	235	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.58	75.08	84.00	230	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.67	75.08	84.00	224	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.75	75.07	84.00	219	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.83	75.07	84.00	214	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.92	75.07	84.00	208	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.00	75.06	84.00	203	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.08	75.06	84.00	198	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.17	75.05	84.00	193	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.25	75.05	84.00	187	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.33	75.05	84.00	182	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.42	75.04	84.00	177	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.50	75.04	84.00	171	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.58	75.04	84.00	166	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.67	75.03	84.00	161	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.75	75.03	84.00	155	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.83	75.03	84.00	150	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.92	75.02	84.00	145	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.00	75.02	84.00	139	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.08	75.02	84.00	134	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.17	75.01	84.00	129	0.00	0.00	0.0	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-14	BASE	66.25	75.01	84.00	124	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.33	75.01	84.00	118	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.42	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.50	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.58	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.67	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.75	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.83	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.92	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.00	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.08	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.17	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.25	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.33	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.42	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.50	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.58	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.67	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.75	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.83	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.92	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.00	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.08	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.17	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.25	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.33	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.42	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.50	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.58	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.67	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.75	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.83	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.92	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.00	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.08	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.17	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.25	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.33	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.42	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.50	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.58	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.67	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.75	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.83	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.92	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.00	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.08	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.17	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.25	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.33	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.42	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.50	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.58	75.00	84.00	113	0.00	0.00	0.0	0.2

BASIN-14 WQTV

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-15	BASE	0.00	84.25	84.75	78351	0.00	0.00	0.0	0.0
WQTV	BASIN-15	BASE	0.08	84.25	84.75	78013	0.00	0.90	0.0	0.0
WQTV	BASIN-15	BASE	0.17	84.24	84.75	77675	0.00	0.90	0.0	0.0
WQTV	BASIN-15	BASE	0.25	84.24	84.75	77338	0.00	0.90	0.0	0.0
WQTV	BASIN-15	BASE	0.33	84.24	84.75	77001	0.00	0.89	0.0	0.0
WQTV	BASIN-15	BASE	0.42	84.23	84.75	76664	0.00	0.89	0.0	0.0
WQTV	BASIN-15	BASE	0.50	84.23	84.75	76327	0.00	0.88	0.0	0.0
WQTV	BASIN-15	BASE	0.58	84.23	84.75	75989	0.00	0.88	0.0	0.0
WQTV	BASIN-15	BASE	0.67	84.22	84.75	75652	0.00	0.88	0.0	0.0
WQTV	BASIN-15	BASE	0.75	84.22	84.75	75315	0.00	0.87	0.0	0.1
WQTV	BASIN-15	BASE	0.83	84.22	84.75	74976	0.00	0.87	0.0	0.1
WQTV	BASIN-15	BASE	0.92	84.21	84.75	74633	0.00	0.86	0.0	0.1
WQTV	BASIN-15	BASE	1.00	84.21	84.75	74300	0.00	0.86	0.0	0.1
WQTV	BASIN-15	BASE	1.09	84.20	84.75	73957	0.00	0.86	0.0	0.1
WQTV	BASIN-15	BASE	1.17	84.20	84.75	73621	0.00	0.85	0.0	0.1
WQTV	BASIN-15	BASE	1.25	84.20	84.75	73281	0.00	0.85	0.0	0.1
WQTV	BASIN-15	BASE	1.33	84.19	84.75	72952	0.00	0.84	0.0	0.1
WQTV	BASIN-15	BASE	1.42	84.19	84.75	72612	0.00	0.84	0.0	0.1
WQTV	BASIN-15	BASE	1.50	84.19	84.75	72271	0.00	0.84	0.0	0.1
WQTV	BASIN-15	BASE	1.59	84.18	84.75	71928	0.00	0.83	0.0	0.1
WQTV	BASIN-15	BASE	1.67	84.18	84.75	71599	0.00	0.83	0.0	0.1
WQTV	BASIN-15	BASE	1.75	84.18	84.75	71256	0.00	0.82	0.0	0.1
WQTV	BASIN-15	BASE	1.83	84.17	84.75	70927	0.00	0.82	0.0	0.1
WQTV	BASIN-15	BASE	1.92	84.17	84.75	70584	0.00	0.82	0.0	0.1
WQTV	BASIN-15	BASE	2.00	84.17	84.75	70254	0.00	0.81	0.0	0.1
WQTV	BASIN-15	BASE	2.09	84.16	84.75	69904	0.00	0.81	0.0	0.1
WQTV	BASIN-15	BASE	2.17	84.16	84.75	69578	0.00	0.81	0.0	0.2
WQTV	BASIN-15	BASE	2.25	84.16	84.75	69235	0.00	0.80	0.0	0.2
WQTV	BASIN-15	BASE	2.34	84.15	84.75	68892	0.00	0.80	0.0	0.2
WQTV	BASIN-15	BASE	2.42	84.15	84.75	68566	0.00	0.79	0.0	0.2
WQTV	BASIN-15	BASE	2.50	84.15	84.75	68223	0.00	0.79	0.0	0.2
WQTV	BASIN-15	BASE	2.59	84.14	84.75	67880	0.00	0.79	0.0	0.2
WQTV	BASIN-15	BASE	2.67	84.14	84.75	67555	0.00	0.78	0.0	0.2
WQTV	BASIN-15	BASE	2.75	84.14	84.75	67212	0.00	0.78	0.0	0.2
WQTV	BASIN-15	BASE	2.84	84.13	84.75	66860	0.00	0.77	0.0	0.2
WQTV	BASIN-15	BASE	2.92	84.13	84.75	66538	0.00	0.77	0.0	0.2
WQTV	BASIN-15	BASE	3.00	84.12	84.75	66195	0.00	0.77	0.0	0.2
WQTV	BASIN-15	BASE	3.09	84.12	84.75	65852	0.00	0.76	0.0	0.2
WQTV	BASIN-15	BASE	3.17	84.12	84.75	65509	0.00	0.76	0.0	0.2
WQTV	BASIN-15	BASE	3.25	84.11	84.75	65188	0.00	0.75	0.0	0.2
WQTV	BASIN-15	BASE	3.34	84.11	84.75	64845	0.00	0.75	0.0	0.2
WQTV	BASIN-15	BASE	3.42	84.11	84.75	64502	0.00	0.75	0.0	0.2
WQTV	BASIN-15	BASE	3.50	84.10	84.75	64180	0.00	0.74	0.0	0.2
WQTV	BASIN-15	BASE	3.58	84.10	84.75	63837	0.00	0.74	0.0	0.2
WQTV	BASIN-15	BASE	3.67	84.10	84.75	63494	0.00	0.73	0.0	0.2
WQTV	BASIN-15	BASE	3.75	84.09	84.75	63151	0.00	0.73	0.0	0.3
WQTV	BASIN-15	BASE	3.83	84.09	84.75	62829	0.00	0.73	0.0	0.3
WQTV	BASIN-15	BASE	3.92	84.09	84.75	62481	0.00	0.72	0.0	0.3
WQTV	BASIN-15	BASE	4.01	84.08	84.75	62132	0.00	0.72	0.0	0.3
WQTV	BASIN-15	BASE	4.09	84.08	84.75	61811	0.00	0.72	0.0	0.3
WQTV	BASIN-15	BASE	4.17	84.08	84.75	61463	0.00	0.71	0.0	0.3
WQTV	BASIN-15	BASE	4.25	84.07	84.75	61141	0.00	0.71	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-15	BASE	4.34	84.07	84.75	60793	0.00	0.70	0.0	0.3
WQTV	BASIN-15	BASE	4.42	84.07	84.75	60444	0.00	0.70	0.0	0.3
WQTV	BASIN-15	BASE	4.50	84.06	84.75	60123	0.00	0.70	0.0	0.3
WQTV	BASIN-15	BASE	4.59	84.06	84.75	59774	0.00	0.69	0.0	0.3
WQTV	BASIN-15	BASE	4.67	84.06	84.75	59453	0.00	0.69	0.0	0.3
WQTV	BASIN-15	BASE	4.75	84.05	84.75	59104	0.00	0.68	0.0	0.3
WQTV	BASIN-15	BASE	4.84	84.05	84.75	58756	0.00	0.68	0.0	0.3
WQTV	BASIN-15	BASE	4.92	84.05	84.75	58434	0.00	0.68	0.0	0.3
WQTV	BASIN-15	BASE	5.01	84.04	84.75	58086	0.00	0.67	0.0	0.3
WQTV	BASIN-15	BASE	5.09	84.04	84.75	57751	0.00	0.67	0.0	0.3
WQTV	BASIN-15	BASE	5.17	84.03	84.75	57416	0.00	0.66	0.0	0.3
WQTV	BASIN-15	BASE	5.25	84.03	84.75	57081	0.00	0.66	0.0	0.3
WQTV	BASIN-15	BASE	5.34	84.03	84.75	56746	0.00	0.66	0.0	0.3
WQTV	BASIN-15	BASE	5.42	84.02	84.75	56411	0.00	0.65	0.0	0.3
WQTV	BASIN-15	BASE	5.50	84.02	84.75	56076	0.00	0.65	0.0	0.4
WQTV	BASIN-15	BASE	5.58	84.02	84.75	55741	0.00	0.65	0.0	0.4
WQTV	BASIN-15	BASE	5.67	84.01	84.75	55406	0.00	0.64	0.0	0.4
WQTV	BASIN-15	BASE	5.75	84.01	84.75	55071	0.00	0.64	0.0	0.4
WQTV	BASIN-15	BASE	5.84	84.01	84.75	54702	0.00	0.63	0.0	0.4
WQTV	BASIN-15	BASE	5.92	84.00	84.75	54367	0.00	0.63	0.0	0.4
WQTV	BASIN-15	BASE	6.01	84.00	84.75	54052	0.00	0.63	0.0	0.4
WQTV	BASIN-15	BASE	6.09	84.00	84.75	53968	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.17	83.99	84.75	53884	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.25	83.99	84.75	53799	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.34	83.99	84.75	53715	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.42	83.98	84.75	53631	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.50	83.98	84.75	53547	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.59	83.98	84.75	53463	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.67	83.97	84.75	53379	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.75	83.97	84.75	53295	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.83	83.97	84.75	53211	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.92	83.96	84.75	53126	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.00	83.96	84.75	53042	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.08	83.95	84.75	52957	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.17	83.95	84.75	52873	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.25	83.95	84.75	52788	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.33	83.94	84.75	52703	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.42	83.94	84.75	52619	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.50	83.94	84.75	52534	0.00	0.61	0.0	0.5
WQTV	BASIN-15	BASE	7.58	83.93	84.75	52450	0.00	0.61	0.0	0.5
WQTV	BASIN-15	BASE	7.67	83.93	84.75	52365	0.00	0.61	0.0	0.5
WQTV	BASIN-15	BASE	7.75	83.93	84.75	52280	0.00	0.61	0.0	0.5
WQTV	BASIN-15	BASE	7.83	83.92	84.75	52196	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	7.92	83.92	84.75	52111	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.00	83.92	84.75	52026	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.08	83.91	84.75	51942	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.17	83.91	84.75	51857	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.25	83.91	84.75	51773	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.33	83.90	84.75	51688	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.42	83.90	84.75	51603	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.50	83.90	84.75	51519	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.58	83.89	84.75	51434	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.67	83.89	84.75	51349	0.00	0.59	0.0	0.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-15	BASE	8.75	83.89	84.75	51265	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	8.83	83.88	84.75	51180	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	8.92	83.88	84.75	51096	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.00	83.87	84.75	51011	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.08	83.87	84.75	50926	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.17	83.87	84.75	50842	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.25	83.86	84.75	50757	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.33	83.86	84.75	50672	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.42	83.86	84.75	50588	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.50	83.85	84.75	50503	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	9.58	83.85	84.75	50419	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	9.67	83.85	84.75	50334	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	9.75	83.84	84.75	50249	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	9.83	83.84	84.75	50165	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	9.92	83.84	84.75	50080	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	10.00	83.83	84.75	49995	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	10.08	83.83	84.75	49911	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	10.17	83.83	84.75	49826	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	10.25	83.82	84.75	49742	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	10.33	83.82	84.75	49657	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.42	83.82	84.75	49572	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.50	83.81	84.75	49488	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.58	83.81	84.75	49403	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.67	83.81	84.75	49318	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.75	83.80	84.75	49234	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.83	83.80	84.75	49149	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.92	83.80	84.75	49065	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	11.00	83.79	84.75	48980	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	11.08	83.79	84.75	48895	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	11.17	83.78	84.75	48811	0.00	0.56	0.0	0.6
WQTV	BASIN-15	BASE	11.25	83.78	84.75	48726	0.00	0.56	0.0	0.6
WQTV	BASIN-15	BASE	11.33	83.78	84.75	48641	0.00	0.56	0.0	0.6
WQTV	BASIN-15	BASE	11.42	83.77	84.75	48557	0.00	0.56	0.0	0.6
WQTV	BASIN-15	BASE	11.50	83.77	84.75	48472	0.00	0.56	0.0	0.6
WQTV	BASIN-15	BASE	11.58	83.77	84.75	48388	0.00	0.56	0.0	0.7
WQTV	BASIN-15	BASE	11.67	83.76	84.75	48303	0.00	0.56	0.0	0.7
WQTV	BASIN-15	BASE	11.75	83.76	84.75	48218	0.00	0.56	0.0	0.7
WQTV	BASIN-15	BASE	11.83	83.76	84.75	48134	0.00	0.56	0.0	0.7
WQTV	BASIN-15	BASE	11.92	83.75	84.75	48049	0.00	0.56	0.0	0.7
WQTV	BASIN-15	BASE	12.00	83.75	84.75	47964	0.00	0.56	0.0	0.7
WQTV	BASIN-15	BASE	12.08	83.75	84.75	47880	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.17	83.74	84.75	47795	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.25	83.74	84.75	47711	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.33	83.74	84.75	47626	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.42	83.73	84.75	47541	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.50	83.73	84.75	47457	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.58	83.73	84.75	47372	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.67	83.72	84.75	47287	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.75	83.72	84.75	47203	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.83	83.72	84.75	47118	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.92	83.71	84.75	47034	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.00	83.71	84.75	46949	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.08	83.70	84.75	46864	0.00	0.54	0.0	0.7

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-15	BASE	13.17	83.70	84.75	46780	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.25	83.70	84.75	46695	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.33	83.69	84.75	46610	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.42	83.69	84.75	46526	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.50	83.69	84.75	46441	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.58	83.68	84.75	46357	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.67	83.68	84.75	46272	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.75	83.68	84.75	46187	0.00	0.53	0.0	0.7
WQTV	BASIN-15	BASE	13.83	83.67	84.75	46103	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	13.92	83.67	84.75	46018	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.00	83.67	84.75	45933	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.08	83.66	84.75	45849	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.17	83.66	84.75	45764	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.25	83.66	84.75	45680	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.33	83.65	84.75	45595	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.42	83.65	84.75	45510	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.50	83.65	84.75	45426	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.58	83.64	84.75	45341	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	14.67	83.64	84.75	45256	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	14.75	83.64	84.75	45172	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	14.83	83.63	84.75	45087	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	14.92	83.63	84.75	45003	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	15.00	83.62	84.75	44918	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	15.08	83.62	84.75	44833	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	15.17	83.62	84.75	44749	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	15.25	83.61	84.75	44664	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	15.33	83.61	84.75	44579	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	15.42	83.61	84.75	44495	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	15.50	83.60	84.75	44410	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	15.58	83.60	84.75	44326	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	15.67	83.60	84.75	44241	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	15.75	83.59	84.75	44156	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	15.83	83.59	84.75	44072	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	15.92	83.59	84.75	43987	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	16.00	83.58	84.75	43902	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	16.08	83.58	84.75	43818	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	16.17	83.58	84.75	43733	0.00	0.51	0.0	0.9
WQTV	BASIN-15	BASE	16.25	83.57	84.75	43649	0.00	0.51	0.0	0.9
WQTV	BASIN-15	BASE	16.33	83.57	84.75	43564	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.42	83.57	84.75	43479	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.50	83.56	84.75	43395	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.58	83.56	84.75	43310	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.67	83.56	84.75	43225	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.75	83.55	84.75	43141	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.83	83.55	84.75	43056	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.92	83.55	84.75	42972	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	17.00	83.54	84.75	42887	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	17.08	83.54	84.75	42802	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	17.17	83.53	84.75	42718	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.25	83.53	84.75	42633	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.33	83.53	84.75	42548	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.42	83.52	84.75	42464	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.50	83.52	84.75	42379	0.00	0.49	0.0	0.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-15	BASE	17.58	83.52	84.75	42295	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.67	83.51	84.75	42210	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.75	83.51	84.75	42125	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.83	83.51	84.75	42041	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.92	83.50	84.75	41956	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	18.00	83.50	84.75	41871	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.08	83.50	84.75	41787	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.17	83.49	84.75	41702	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.25	83.49	84.75	41618	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.33	83.49	84.75	41533	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.42	83.48	84.75	41448	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.50	83.48	84.75	41364	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.58	83.48	84.75	41279	0.00	0.48	0.0	1.0
WQTV	BASIN-15	BASE	18.67	83.47	84.75	41194	0.00	0.48	0.0	1.0
WQTV	BASIN-15	BASE	18.75	83.47	84.75	41110	0.00	0.48	0.0	1.0
WQTV	BASIN-15	BASE	18.83	83.47	84.75	41025	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	18.92	83.46	84.75	40941	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.00	83.46	84.75	40856	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.08	83.45	84.75	40771	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.17	83.45	84.75	40687	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.25	83.45	84.75	40602	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.33	83.44	84.75	40517	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.42	83.44	84.75	40433	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.50	83.44	84.75	40348	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.58	83.43	84.75	40264	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.67	83.43	84.75	40179	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.75	83.43	84.75	40094	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	19.83	83.42	84.75	40010	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	19.92	83.42	84.75	39925	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.00	83.42	84.75	39840	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.08	83.41	84.75	39756	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.17	83.41	84.75	39671	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.25	83.41	84.75	39587	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.33	83.40	84.75	39502	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.42	83.40	84.75	39417	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.50	83.40	84.75	39333	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.58	83.39	84.75	39248	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	20.67	83.39	84.75	39163	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	20.75	83.39	84.75	39079	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	20.83	83.38	84.75	38994	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	20.92	83.38	84.75	38910	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	21.00	83.37	84.75	38825	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	21.08	83.37	84.75	38740	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	21.17	83.37	84.75	38656	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	21.25	83.36	84.75	38571	0.00	0.45	0.0	1.1
WQTV	BASIN-15	BASE	21.33	83.36	84.75	38486	0.00	0.45	0.0	1.1
WQTV	BASIN-15	BASE	21.42	83.36	84.75	38402	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	21.50	83.35	84.75	38317	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	21.58	83.35	84.75	38233	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	21.67	83.35	84.75	38148	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	21.75	83.34	84.75	38063	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	21.83	83.34	84.75	37979	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	21.92	83.34	84.75	37894	0.00	0.44	0.0	1.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-15	BASE	22.00	83.33	84.75	37809	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	22.08	83.33	84.75	37725	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	22.17	83.33	84.75	37640	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	22.25	83.32	84.75	37556	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.33	83.32	84.75	37471	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.42	83.32	84.75	37386	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.50	83.31	84.75	37302	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.58	83.31	84.75	37217	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.67	83.31	84.75	37132	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.75	83.30	84.75	37048	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.83	83.30	84.75	36963	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.92	83.30	84.75	36879	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	23.00	83.29	84.75	36794	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	23.08	83.29	84.75	36709	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.17	83.28	84.75	36625	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.25	83.28	84.75	36540	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.33	83.28	84.75	36455	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.42	83.27	84.75	36371	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.50	83.27	84.75	36286	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.58	83.27	84.75	36202	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.67	83.26	84.75	36117	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.75	83.26	84.75	36032	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.83	83.26	84.75	35948	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.92	83.25	84.75	35863	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	24.00	83.25	84.75	35778	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.08	83.25	84.75	35694	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.17	83.24	84.75	35609	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.25	83.24	84.75	35525	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.33	83.24	84.75	35440	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.42	83.23	84.75	35355	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.50	83.23	84.75	35271	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.58	83.23	84.75	35186	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.67	83.22	84.75	35102	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.75	83.22	84.75	35017	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.83	83.22	84.75	34932	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	24.92	83.21	84.75	34848	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.00	83.21	84.75	34763	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.08	83.20	84.75	34678	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.17	83.20	84.75	34594	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.25	83.20	84.75	34509	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.33	83.19	84.75	34425	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.42	83.19	84.75	34340	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.50	83.19	84.75	34255	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.58	83.18	84.75	34171	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.67	83.18	84.75	34086	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	25.75	83.18	84.75	34001	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	25.83	83.17	84.75	33917	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	25.92	83.17	84.75	33832	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	26.00	83.17	84.75	33748	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	26.08	83.16	84.75	33663	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	26.17	83.16	84.75	33578	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	26.25	83.16	84.75	33494	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	26.33	83.15	84.75	33409	0.00	0.39	0.0	1.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-15	BASE	26.42	83.15	84.75	33324	0.00	0.39	0.0	1.2	
WQTV	BASIN-15	BASE	26.50	83.15	84.75	33240	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	26.58	83.14	84.75	33155	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	26.67	83.14	84.75	33071	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	26.75	83.14	84.75	32986	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	26.83	83.13	84.75	32901	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	26.92	83.13	84.75	32817	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	27.00	83.12	84.75	32732	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	27.08	83.12	84.75	32647	0.00	0.38	0.0	1.3	
WQTV	BASIN-15	BASE	27.17	83.12	84.75	32563	0.00	0.38	0.0	1.3	
WQTV	BASIN-15	BASE	27.25	83.11	84.75	32478	0.00	0.38	0.0	1.3	
WQTV	BASIN-15	BASE	27.33	83.11	84.75	32394	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.42	83.11	84.75	32309	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.50	83.10	84.75	32224	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.58	83.10	84.75	32140	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.67	83.10	84.75	32055	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.75	83.09	84.75	31970	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.83	83.09	84.75	31886	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.92	83.09	84.75	31801	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	28.00	83.08	84.75	31717	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	28.08	83.08	84.75	31632	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	28.17	83.08	84.75	31547	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	28.25	83.07	84.75	31463	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.33	83.07	84.75	31378	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.42	83.07	84.75	31293	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.50	83.06	84.75	31209	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.58	83.06	84.75	31124	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.67	83.06	84.75	31040	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.75	83.05	84.75	30955	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.83	83.05	84.75	30870	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.92	83.05	84.75	30786	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	29.00	83.04	84.75	30701	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	29.08	83.04	84.75	30616	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.17	83.03	84.75	30532	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.25	83.03	84.75	30447	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.33	83.03	84.75	30363	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.42	83.02	84.75	30278	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.50	83.02	84.75	30193	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.58	83.02	84.75	30109	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.67	83.01	84.75	30024	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.75	83.01	84.75	29939	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.83	83.01	84.75	29855	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.92	83.00	84.75	29770	0.00	0.34	0.0	1.3	BASIN-15 WQTV
WQTV	BASIN-15	BASE	30.00	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.08	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.17	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.25	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.33	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.42	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.50	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.58	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.67	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.75	83.00	84.75	29686	0.00	0.00	0.0	1.3	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-15	BASE	79.42	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	79.50	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	79.58	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	79.67	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	79.75	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	79.83	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	79.92	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	80.00	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	80.00	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-2	BASE	0.00	59.49	84.25	6417	18.70	0.00	0.0	0.0
WQTV	BASIN-2	BASE	0.08	59.36	84.25	6365	0.14	4.94	0.1	0.0
WQTV	BASIN-2	BASE	0.17	59.14	84.25	6276	0.00	4.48	0.1	0.0
WQTV	BASIN-2	BASE	0.25	58.93	84.25	6197	0.00	4.07	0.1	0.1
WQTV	BASIN-2	BASE	0.33	58.75	84.25	6131	0.00	3.71	0.1	0.1
WQTV	BASIN-2	BASE	0.42	58.57	84.25	6069	0.00	3.39	0.1	0.1
WQTV	BASIN-2	BASE	0.50	58.41	84.25	6012	0.00	3.11	0.1	0.2
WQTV	BASIN-2	BASE	0.58	58.26	84.25	5959	0.00	2.87	0.1	0.2
WQTV	BASIN-2	BASE	0.67	58.12	84.25	5910	0.00	2.65	0.1	0.2
WQTV	BASIN-2	BASE	0.75	57.99	84.25	5864	0.00	2.46	0.1	0.2
WQTV	BASIN-2	BASE	0.83	57.87	84.25	5823	0.00	2.29	0.1	0.2
WQTV	BASIN-2	BASE	0.92	57.75	84.25	5784	0.00	2.14	0.1	0.2
WQTV	BASIN-2	BASE	1.00	57.64	84.25	5748	0.00	2.01	0.1	0.3
WQTV	BASIN-2	BASE	1.09	57.54	84.25	5714	0.00	1.88	0.1	0.3
WQTV	BASIN-2	BASE	1.17	57.45	84.25	5682	0.00	1.78	0.1	0.3
WQTV	BASIN-2	BASE	1.25	57.35	84.25	5651	0.00	1.68	0.1	0.3
WQTV	BASIN-2	BASE	1.33	57.27	84.25	5622	0.00	1.59	0.1	0.3
WQTV	BASIN-2	BASE	1.42	57.18	84.25	5594	0.00	1.51	0.1	0.3
WQTV	BASIN-2	BASE	1.50	57.10	84.25	5567	0.00	1.44	0.1	0.3
WQTV	BASIN-2	BASE	1.59	57.03	84.25	5541	0.00	1.38	0.1	0.3
WQTV	BASIN-2	BASE	1.67	56.96	84.25	5516	0.00	1.32	0.1	0.3
WQTV	BASIN-2	BASE	1.75	56.88	84.25	5491	0.00	1.26	0.1	0.4
WQTV	BASIN-2	BASE	1.83	56.82	84.25	5467	0.00	1.22	0.1	0.4
WQTV	BASIN-2	BASE	1.92	56.75	84.25	5443	0.00	1.17	0.1	0.4
WQTV	BASIN-2	BASE	2.00	56.69	84.25	5421	0.00	1.13	0.1	0.4
WQTV	BASIN-2	BASE	2.09	56.63	84.25	5398	0.00	1.09	0.1	0.4
WQTV	BASIN-2	BASE	2.17	56.57	84.25	5378	0.00	1.05	0.1	0.4
WQTV	BASIN-2	BASE	2.25	56.51	84.25	5357	0.00	1.02	0.1	0.4
WQTV	BASIN-2	BASE	2.34	56.45	84.25	5336	0.00	0.99	0.1	0.4
WQTV	BASIN-2	BASE	2.42	56.40	84.25	5317	0.00	0.96	0.1	0.4
WQTV	BASIN-2	BASE	2.50	56.34	84.25	5298	0.00	0.93	0.1	0.4
WQTV	BASIN-2	BASE	2.59	56.29	84.25	5279	0.00	0.90	0.1	0.4
WQTV	BASIN-2	BASE	2.67	56.24	84.25	5262	0.00	0.88	0.1	0.4
WQTV	BASIN-2	BASE	2.75	56.19	84.25	5244	0.00	0.86	0.1	0.4
WQTV	BASIN-2	BASE	2.84	56.14	84.25	5226	0.00	0.83	0.1	0.4
WQTV	BASIN-2	BASE	2.92	56.10	84.25	5210	0.00	0.81	0.1	0.5
WQTV	BASIN-2	BASE	3.00	56.05	84.25	5193	0.00	0.79	0.1	0.5
WQTV	BASIN-2	BASE	3.09	56.00	84.25	5176	0.00	0.78	0.1	0.5
WQTV	BASIN-2	BASE	3.17	55.96	84.25	5160	0.00	0.76	0.1	0.5
WQTV	BASIN-2	BASE	3.25	55.92	84.25	5145	0.00	0.74	0.1	0.5
WQTV	BASIN-2	BASE	3.34	55.87	84.25	5130	0.00	0.73	0.1	0.5
WQTV	BASIN-2	BASE	3.42	55.83	84.25	5114	0.00	0.71	0.1	0.5
WQTV	BASIN-2	BASE	3.50	55.79	84.25	5100	0.00	0.70	0.1	0.5

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	3.58	55.75	84.25	5086	0.00	0.68	0.1	0.5
WQTV	BASIN-2	BASE	3.67	55.71	84.25	5071	0.00	0.67	0.1	0.5
WQTV	BASIN-2	BASE	3.75	55.67	84.25	5057	0.00	0.66	0.1	0.5
WQTV	BASIN-2	BASE	3.83	55.63	84.25	5044	0.00	0.64	0.1	0.5
WQTV	BASIN-2	BASE	3.92	55.59	84.25	5030	0.00	0.63	0.1	0.5
WQTV	BASIN-2	BASE	4.01	55.55	84.25	5016	0.00	0.62	0.1	0.5
WQTV	BASIN-2	BASE	4.09	55.52	84.25	5003	0.00	0.61	0.1	0.5
WQTV	BASIN-2	BASE	4.17	55.48	84.25	4990	0.00	0.60	0.1	0.5
WQTV	BASIN-2	BASE	4.25	55.45	84.25	4978	0.00	0.59	0.1	0.5
WQTV	BASIN-2	BASE	4.34	55.41	84.25	4965	0.00	0.58	0.1	0.5
WQTV	BASIN-2	BASE	4.42	55.38	84.25	4952	0.00	0.57	0.1	0.5
WQTV	BASIN-2	BASE	4.50	55.34	84.25	4940	0.00	0.56	0.1	0.5
WQTV	BASIN-2	BASE	4.59	55.31	84.25	4928	0.00	0.55	0.1	0.5
WQTV	BASIN-2	BASE	4.67	55.28	84.25	4917	0.00	0.54	0.1	0.5
WQTV	BASIN-2	BASE	4.75	55.24	84.25	4904	0.00	0.53	0.1	0.5
WQTV	BASIN-2	BASE	4.84	55.21	84.25	4892	0.00	0.53	0.1	0.6
WQTV	BASIN-2	BASE	4.92	55.18	84.25	4882	0.00	0.52	0.1	0.6
WQTV	BASIN-2	BASE	5.01	55.15	84.25	4870	0.00	0.51	0.1	0.6
WQTV	BASIN-2	BASE	5.09	55.12	84.25	4859	0.00	0.50	0.1	0.6
WQTV	BASIN-2	BASE	5.17	55.08	84.25	4848	0.00	0.50	0.1	0.6
WQTV	BASIN-2	BASE	5.25	55.05	84.25	4837	0.00	0.49	0.1	0.6
WQTV	BASIN-2	BASE	5.34	55.02	84.25	4826	0.00	0.48	0.1	0.6
WQTV	BASIN-2	BASE	5.42	54.99	84.25	4816	0.00	0.48	0.1	0.6
WQTV	BASIN-2	BASE	5.50	54.97	84.25	4805	0.00	0.47	0.1	0.6
WQTV	BASIN-2	BASE	5.58	54.94	84.25	4795	0.00	0.46	0.1	0.6
WQTV	BASIN-2	BASE	5.67	54.91	84.25	4784	0.00	0.46	0.1	0.6
WQTV	BASIN-2	BASE	5.75	54.88	84.25	4774	0.00	0.45	0.1	0.6
WQTV	BASIN-2	BASE	5.84	54.85	84.25	4763	0.00	0.44	0.1	0.6
WQTV	BASIN-2	BASE	5.92	54.82	84.25	4753	0.00	0.44	0.1	0.6
WQTV	BASIN-2	BASE	6.01	54.79	84.25	4743	0.00	0.43	0.1	0.6
WQTV	BASIN-2	BASE	6.09	54.77	84.25	4733	0.00	0.43	0.1	0.6
WQTV	BASIN-2	BASE	6.17	54.74	84.25	4724	0.00	0.42	0.1	0.6
WQTV	BASIN-2	BASE	6.25	54.71	84.25	4714	0.00	0.42	0.1	0.6
WQTV	BASIN-2	BASE	6.34	54.69	84.25	4705	0.00	0.41	0.1	0.6
WQTV	BASIN-2	BASE	6.42	54.66	84.25	4695	0.00	0.41	0.1	0.6
WQTV	BASIN-2	BASE	6.50	54.64	84.25	4686	0.00	0.40	0.1	0.6
WQTV	BASIN-2	BASE	6.59	54.61	84.25	4677	0.00	0.40	0.1	0.6
WQTV	BASIN-2	BASE	6.67	54.58	84.25	4668	0.00	0.39	0.1	0.6
WQTV	BASIN-2	BASE	6.75	54.56	84.25	4659	0.00	0.39	0.1	0.6
WQTV	BASIN-2	BASE	6.83	54.54	84.25	4650	0.00	0.38	0.1	0.6
WQTV	BASIN-2	BASE	6.92	54.51	84.25	4641	0.00	0.38	0.1	0.6
WQTV	BASIN-2	BASE	7.00	54.49	84.25	4632	0.00	0.38	0.1	0.6
WQTV	BASIN-2	BASE	7.08	54.46	84.25	4623	0.00	0.37	0.1	0.6
WQTV	BASIN-2	BASE	7.17	54.44	84.25	4614	0.00	0.37	0.1	0.6
WQTV	BASIN-2	BASE	7.25	54.41	84.25	4606	0.00	0.36	0.1	0.6
WQTV	BASIN-2	BASE	7.33	54.39	84.25	4597	0.00	0.36	0.1	0.6
WQTV	BASIN-2	BASE	7.42	54.37	84.25	4589	0.00	0.36	0.1	0.6
WQTV	BASIN-2	BASE	7.50	54.34	84.25	4580	0.00	0.35	0.1	0.6
WQTV	BASIN-2	BASE	7.58	54.32	84.25	4572	0.00	0.35	0.1	0.7
WQTV	BASIN-2	BASE	7.67	54.30	84.25	4564	0.00	0.35	0.1	0.7
WQTV	BASIN-2	BASE	7.75	54.28	84.25	4556	0.00	0.34	0.1	0.7
WQTV	BASIN-2	BASE	7.83	54.25	84.25	4548	0.00	0.34	0.1	0.7
WQTV	BASIN-2	BASE	7.92	54.23	84.25	4540	0.00	0.33	0.1	0.7

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	8.00	54.21	84.25	4532	0.00	0.33	0.1	0.7
WQTV	BASIN-2	BASE	8.08	54.19	84.25	4524	0.00	0.33	0.1	0.7
WQTV	BASIN-2	BASE	8.17	54.17	84.25	4516	0.00	0.32	0.1	0.7
WQTV	BASIN-2	BASE	8.25	54.14	84.25	4508	0.00	0.32	0.1	0.7
WQTV	BASIN-2	BASE	8.33	54.12	84.25	4500	0.00	0.32	0.1	0.7
WQTV	BASIN-2	BASE	8.42	54.10	84.25	4493	0.00	0.32	0.1	0.7
WQTV	BASIN-2	BASE	8.50	54.08	84.25	4485	0.00	0.31	0.1	0.7
WQTV	BASIN-2	BASE	8.58	54.06	84.25	4478	0.00	0.31	0.1	0.7
WQTV	BASIN-2	BASE	8.67	54.04	84.25	4470	0.00	0.31	0.1	0.7
WQTV	BASIN-2	BASE	8.75	54.02	84.25	4463	0.00	0.30	0.1	0.7
WQTV	BASIN-2	BASE	8.83	54.00	84.25	4455	0.00	0.30	0.1	0.7
WQTV	BASIN-2	BASE	8.92	53.98	84.25	4448	0.00	0.30	0.1	0.7
WQTV	BASIN-2	BASE	9.00	53.96	84.25	4441	0.00	0.30	0.1	0.7
WQTV	BASIN-2	BASE	9.08	53.94	84.25	4434	0.00	0.29	0.1	0.7
WQTV	BASIN-2	BASE	9.17	53.92	84.25	4427	0.00	0.29	0.1	0.7
WQTV	BASIN-2	BASE	9.25	53.90	84.25	4420	0.00	0.29	0.1	0.7
WQTV	BASIN-2	BASE	9.33	53.88	84.25	4413	0.00	0.29	0.1	0.7
WQTV	BASIN-2	BASE	9.42	53.86	84.25	4406	0.00	0.28	0.1	0.7
WQTV	BASIN-2	BASE	9.50	53.84	84.25	4399	0.00	0.28	0.1	0.7
WQTV	BASIN-2	BASE	9.58	53.82	84.25	4392	0.00	0.28	0.1	0.7
WQTV	BASIN-2	BASE	9.67	53.80	84.25	4386	0.00	0.28	0.1	0.7
WQTV	BASIN-2	BASE	9.75	53.78	84.25	4379	0.00	0.27	0.1	0.7
WQTV	BASIN-2	BASE	9.83	53.77	84.25	4372	0.00	0.27	0.1	0.7
WQTV	BASIN-2	BASE	9.92	53.75	84.25	4366	0.00	0.27	0.1	0.7
WQTV	BASIN-2	BASE	10.00	53.73	84.25	4359	0.00	0.27	0.1	0.7
WQTV	BASIN-2	BASE	10.08	53.71	84.25	4353	0.00	0.26	0.1	0.7
WQTV	BASIN-2	BASE	10.17	53.69	84.25	4346	0.00	0.26	0.1	0.7
WQTV	BASIN-2	BASE	10.25	53.67	84.25	4340	0.00	0.26	0.1	0.7
WQTV	BASIN-2	BASE	10.33	53.66	84.25	4333	0.00	0.26	0.1	0.7
WQTV	BASIN-2	BASE	10.42	53.64	84.25	4327	0.00	0.26	0.1	0.7
WQTV	BASIN-2	BASE	10.50	53.62	84.25	4321	0.00	0.25	0.1	0.7
WQTV	BASIN-2	BASE	10.58	53.60	84.25	4314	0.00	0.25	0.1	0.7
WQTV	BASIN-2	BASE	10.67	53.59	84.25	4308	0.00	0.25	0.1	0.7
WQTV	BASIN-2	BASE	10.75	53.57	84.25	4302	0.00	0.25	0.1	0.7
WQTV	BASIN-2	BASE	10.83	53.55	84.25	4296	0.00	0.25	0.1	0.7
WQTV	BASIN-2	BASE	10.92	53.53	84.25	4290	0.00	0.24	0.1	0.7
WQTV	BASIN-2	BASE	11.00	53.52	84.25	4284	0.00	0.24	0.1	0.7
WQTV	BASIN-2	BASE	11.08	53.50	84.25	4278	0.00	0.24	0.1	0.7
WQTV	BASIN-2	BASE	11.17	53.48	84.25	4272	0.00	0.24	0.1	0.7
WQTV	BASIN-2	BASE	11.25	53.47	84.25	4266	0.00	0.24	0.1	0.7
WQTV	BASIN-2	BASE	11.33	53.45	84.25	4260	0.00	0.23	0.1	0.7
WQTV	BASIN-2	BASE	11.42	53.43	84.25	4254	0.00	0.23	0.1	0.7
WQTV	BASIN-2	BASE	11.50	53.42	84.25	4248	0.00	0.23	0.1	0.7
WQTV	BASIN-2	BASE	11.58	53.40	84.25	4242	0.00	0.23	0.1	0.7
WQTV	BASIN-2	BASE	11.67	53.39	84.25	4237	0.00	0.23	0.1	0.7
WQTV	BASIN-2	BASE	11.75	53.37	84.25	4231	0.00	0.23	0.1	0.7
WQTV	BASIN-2	BASE	11.83	53.35	84.25	4225	0.00	0.22	0.1	0.7
WQTV	BASIN-2	BASE	11.92	53.34	84.25	4219	0.00	0.22	0.1	0.7
WQTV	BASIN-2	BASE	12.00	53.32	84.25	4214	0.00	0.22	0.1	0.8
WQTV	BASIN-2	BASE	12.08	53.31	84.25	4208	0.00	0.22	0.1	0.8
WQTV	BASIN-2	BASE	12.17	53.29	84.25	4203	0.00	0.22	0.1	0.8
WQTV	BASIN-2	BASE	12.25	53.27	84.25	4197	0.00	0.22	0.1	0.8
WQTV	BASIN-2	BASE	12.33	53.26	84.25	4192	0.00	0.21	0.1	0.8

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	12.42	53.24	84.25	4186	0.00	0.21	0.1	0.8
WQTV	BASIN-2	BASE	12.50	53.23	84.25	4181	0.00	0.21	0.1	0.8
WQTV	BASIN-2	BASE	12.58	53.21	84.25	4175	0.00	0.21	0.1	0.8
WQTV	BASIN-2	BASE	12.67	53.20	84.25	4170	0.00	0.21	0.1	0.8
WQTV	BASIN-2	BASE	12.75	53.18	84.25	4165	0.00	0.21	0.1	0.8
WQTV	BASIN-2	BASE	12.83	53.17	84.25	4159	0.00	0.21	0.1	0.8
WQTV	BASIN-2	BASE	12.92	53.15	84.25	4154	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.00	53.14	84.25	4149	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.08	53.12	84.25	4144	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.17	53.11	84.25	4138	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.25	53.10	84.25	4133	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.33	53.08	84.25	4128	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.42	53.07	84.25	4123	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.50	53.05	84.25	4118	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	13.58	53.04	84.25	4113	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	13.67	53.02	84.25	4108	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	13.75	53.01	84.25	4103	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	13.83	53.00	84.25	4098	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	13.92	52.98	84.25	4094	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	14.00	52.97	84.25	4089	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	14.08	52.96	84.25	4085	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	14.17	52.94	84.25	4080	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.25	52.93	84.25	4076	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.33	52.91	84.25	4072	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.42	52.90	84.25	4068	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.50	52.89	84.25	4063	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.58	52.87	84.25	4059	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.67	52.86	84.25	4055	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.75	52.85	84.25	4051	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.83	52.84	84.25	4047	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.92	52.82	84.25	4042	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.00	52.81	84.25	4038	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.08	52.80	84.25	4034	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.17	52.78	84.25	4030	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.25	52.77	84.25	4026	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.33	52.76	84.25	4022	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.42	52.75	84.25	4018	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.50	52.73	84.25	4014	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.58	52.72	84.25	4010	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.67	52.71	84.25	4006	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.75	52.70	84.25	4002	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	15.83	52.68	84.25	3998	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	15.92	52.67	84.25	3994	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.00	52.66	84.25	3991	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.08	52.65	84.25	3987	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.17	52.63	84.25	3983	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.25	52.62	84.25	3979	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.33	52.61	84.25	3975	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.42	52.60	84.25	3972	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.50	52.59	84.25	3968	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.58	52.58	84.25	3964	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.67	52.56	84.25	3960	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	16.75	52.55	84.25	3957	0.00	0.15	0.1	0.8

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	16.83	52.54	84.25	3953	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	16.92	52.53	84.25	3949	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.00	52.52	84.25	3946	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.08	52.51	84.25	3942	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.17	52.49	84.25	3938	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.25	52.48	84.25	3935	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.33	52.47	84.25	3931	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.42	52.46	84.25	3928	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.50	52.45	84.25	3924	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.58	52.44	84.25	3920	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.67	52.43	84.25	3917	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	17.75	52.42	84.25	3913	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	17.83	52.41	84.25	3910	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	17.92	52.39	84.25	3906	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.00	52.38	84.25	3903	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.08	52.37	84.25	3899	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.17	52.36	84.25	3896	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.25	52.35	84.25	3893	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.33	52.34	84.25	3889	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.42	52.33	84.25	3886	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.50	52.32	84.25	3882	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.58	52.31	84.25	3879	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.67	52.30	84.25	3876	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.75	52.29	84.25	3872	0.00	0.13	0.1	0.8
WQTV	BASIN-2	BASE	18.83	52.28	84.25	3869	0.00	0.13	0.1	0.8
WQTV	BASIN-2	BASE	18.92	52.27	84.25	3866	0.00	0.13	0.1	0.8
WQTV	BASIN-2	BASE	19.00	52.26	84.25	3863	0.00	0.13	0.1	0.8
WQTV	BASIN-2	BASE	19.08	52.25	84.25	3859	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.17	52.24	84.25	3856	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.25	52.23	84.25	3853	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.33	52.22	84.25	3849	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.42	52.21	84.25	3846	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.50	52.20	84.25	3843	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.58	52.19	84.25	3840	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.67	52.18	84.25	3837	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.75	52.17	84.25	3834	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.83	52.16	84.25	3830	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.92	52.15	84.25	3827	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	20.00	52.14	84.25	3824	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	20.08	52.13	84.25	3821	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.17	52.12	84.25	3818	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.25	52.11	84.25	3815	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.33	52.10	84.25	3812	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.42	52.09	84.25	3809	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.50	52.08	84.25	3806	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.58	52.07	84.25	3803	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.67	52.06	84.25	3800	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.75	52.05	84.25	3797	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.83	52.04	84.25	3793	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.92	52.03	84.25	3791	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	21.00	52.02	84.25	3788	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	21.08	52.01	84.25	3785	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	21.17	52.00	84.25	3782	0.00	0.12	0.1	0.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	21.25	51.99	84.25	3779	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	21.33	51.98	84.25	3776	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	21.42	51.97	84.25	3774	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	21.50	51.96	84.25	3771	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	21.58	51.96	84.25	3769	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	21.67	51.95	84.25	3766	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	21.75	51.94	84.25	3763	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	21.83	51.93	84.25	3761	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	21.92	51.92	84.25	3758	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.00	51.91	84.25	3756	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.08	51.90	84.25	3753	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.17	51.89	84.25	3751	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.25	51.88	84.25	3748	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.33	51.88	84.25	3746	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.42	51.87	84.25	3743	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.50	51.86	84.25	3741	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.58	51.85	84.25	3738	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.67	51.84	84.25	3736	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.75	51.83	84.25	3733	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.83	51.82	84.25	3731	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.92	51.81	84.25	3729	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	23.00	51.81	84.25	3726	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	23.08	51.80	84.25	3724	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	23.17	51.79	84.25	3721	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	23.25	51.78	84.25	3719	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.33	51.77	84.25	3717	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.42	51.76	84.25	3714	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.50	51.76	84.25	3712	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.58	51.75	84.25	3709	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.67	51.74	84.25	3707	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.75	51.73	84.25	3705	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.83	51.72	84.25	3702	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.92	51.71	84.25	3700	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.00	51.71	84.25	3698	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.08	51.70	84.25	3695	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.17	51.69	84.25	3693	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.25	51.68	84.25	3691	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.33	51.67	84.25	3689	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.42	51.67	84.25	3686	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.50	51.66	84.25	3684	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.58	51.65	84.25	3682	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.67	51.64	84.25	3680	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.75	51.63	84.25	3677	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.83	51.63	84.25	3675	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.92	51.62	84.25	3673	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	25.00	51.61	84.25	3671	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	25.08	51.60	84.25	3668	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	25.17	51.59	84.25	3666	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.25	51.59	84.25	3664	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.33	51.58	84.25	3662	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.42	51.57	84.25	3660	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.50	51.56	84.25	3657	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.58	51.56	84.25	3655	0.00	0.09	0.1	0.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	25.67	51.55	84.25	3653	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.75	51.54	84.25	3651	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.83	51.53	84.25	3649	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.92	51.53	84.25	3647	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.00	51.52	84.25	3645	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.08	51.51	84.25	3642	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.17	51.50	84.25	3640	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.25	51.50	84.25	3638	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.33	51.49	84.25	3636	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.42	51.48	84.25	3634	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.50	51.47	84.25	3632	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.58	51.47	84.25	3630	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.67	51.46	84.25	3628	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.75	51.45	84.25	3626	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.83	51.44	84.25	3624	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.92	51.44	84.25	3622	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.00	51.43	84.25	3620	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.08	51.42	84.25	3618	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.17	51.42	84.25	3615	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.25	51.41	84.25	3613	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.33	51.40	84.25	3611	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.42	51.39	84.25	3609	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.50	51.39	84.25	3607	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.58	51.38	84.25	3605	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	27.67	51.37	84.25	3603	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	27.75	51.37	84.25	3601	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	27.83	51.36	84.25	3599	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	27.92	51.35	84.25	3597	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.00	51.34	84.25	3596	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.08	51.34	84.25	3594	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.17	51.33	84.25	3592	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.25	51.32	84.25	3590	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.33	51.32	84.25	3588	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.42	51.31	84.25	3586	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.50	51.30	84.25	3584	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.58	51.30	84.25	3582	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.67	51.29	84.25	3580	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.75	51.28	84.25	3578	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.83	51.28	84.25	3576	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.92	51.27	84.25	3574	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.00	51.26	84.25	3572	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.08	51.26	84.25	3570	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.17	51.25	84.25	3569	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.25	51.24	84.25	3567	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.33	51.24	84.25	3565	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.42	51.23	84.25	3563	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.50	51.22	84.25	3561	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.58	51.22	84.25	3559	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.67	51.21	84.25	3557	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.75	51.20	84.25	3556	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.83	51.20	84.25	3554	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.92	51.19	84.25	3552	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	30.00	51.18	84.25	3550	0.00	0.08	0.1	0.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	30.08	51.18	84.25	3548	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	30.17	51.17	84.25	3546	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	30.25	51.17	84.25	3545	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	30.33	51.16	84.25	3543	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	30.42	51.15	84.25	3541	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	30.50	51.15	84.25	3539	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	30.58	51.14	84.25	3537	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	30.67	51.13	84.25	3536	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	30.75	51.13	84.25	3534	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	30.83	51.12	84.25	3532	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	30.92	51.11	84.25	3530	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.00	51.11	84.25	3529	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.08	51.10	84.25	3527	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.17	51.10	84.25	3525	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.25	51.09	84.25	3523	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.33	51.08	84.25	3522	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.42	51.08	84.25	3520	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.50	51.07	84.25	3518	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.58	51.07	84.25	3516	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	31.67	51.06	84.25	3515	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	31.75	51.05	84.25	3513	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	31.83	51.05	84.25	3511	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	31.92	51.04	84.25	3510	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.00	51.04	84.25	3508	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.08	51.03	84.25	3506	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.17	51.02	84.25	3504	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.25	51.02	84.25	3503	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.33	51.01	84.25	3501	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.42	51.01	84.25	3499	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.50	51.00	84.25	3498	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.58	50.99	84.25	3496	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.67	50.99	84.25	3495	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.75	50.98	84.25	3493	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.83	50.98	84.25	3491	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.92	50.97	84.25	3490	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.00	50.96	84.25	3488	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.08	50.96	84.25	3487	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.17	50.95	84.25	3485	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.25	50.95	84.25	3483	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.33	50.94	84.25	3482	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.42	50.94	84.25	3480	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.50	50.93	84.25	3479	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.58	50.92	84.25	3477	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.67	50.92	84.25	3476	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.75	50.91	84.25	3474	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.83	50.91	84.25	3472	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.92	50.90	84.25	3471	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	34.00	50.90	84.25	3469	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.08	50.89	84.25	3468	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.17	50.88	84.25	3466	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.25	50.88	84.25	3465	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.33	50.87	84.25	3463	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.42	50.87	84.25	3462	0.00	0.06	0.1	1.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	34.50	50.86	84.25	3460	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.58	50.86	84.25	3459	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.67	50.85	84.25	3457	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.75	50.85	84.25	3456	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.83	50.84	84.25	3454	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.92	50.84	84.25	3453	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.00	50.83	84.25	3451	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.08	50.82	84.25	3450	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.17	50.82	84.25	3448	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.25	50.81	84.25	3447	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.33	50.81	84.25	3445	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.42	50.80	84.25	3444	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.50	50.80	84.25	3442	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.58	50.79	84.25	3441	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.67	50.79	84.25	3439	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.75	50.78	84.25	3438	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.83	50.78	84.25	3436	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.92	50.77	84.25	3435	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.00	50.77	84.25	3434	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.08	50.76	84.25	3432	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.17	50.76	84.25	3431	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.25	50.75	84.25	3429	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.33	50.74	84.25	3428	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.42	50.74	84.25	3426	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.50	50.73	84.25	3425	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.58	50.73	84.25	3424	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.67	50.72	84.25	3422	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.75	50.72	84.25	3421	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.83	50.71	84.25	3419	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.92	50.71	84.25	3418	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.00	50.70	84.25	3417	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.08	50.70	84.25	3415	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.17	50.69	84.25	3414	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.25	50.69	84.25	3412	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.33	50.68	84.25	3411	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.42	50.68	84.25	3410	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.50	50.67	84.25	3408	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.58	50.67	84.25	3407	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.67	50.66	84.25	3405	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.75	50.66	84.25	3404	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.83	50.65	84.25	3403	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.92	50.65	84.25	3401	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.00	50.64	84.25	3400	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.08	50.64	84.25	3399	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.17	50.63	84.25	3397	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.25	50.63	84.25	3396	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.33	50.62	84.25	3395	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.42	50.62	84.25	3393	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.50	50.61	84.25	3392	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.58	50.61	84.25	3391	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	38.67	50.60	84.25	3389	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	38.75	50.60	84.25	3388	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	38.83	50.59	84.25	3387	0.00	0.05	0.1	1.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	38.92	50.59	84.25	3385	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.00	50.58	84.25	3384	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.08	50.58	84.25	3383	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.17	50.58	84.25	3381	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.25	50.57	84.25	3380	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.33	50.57	84.25	3379	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.42	50.56	84.25	3377	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.50	50.56	84.25	3376	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.58	50.55	84.25	3375	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.67	50.55	84.25	3374	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.75	50.54	84.25	3372	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.83	50.54	84.25	3371	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.92	50.53	84.25	3370	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.00	50.53	84.25	3368	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.08	50.52	84.25	3367	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.17	50.52	84.25	3366	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.25	50.51	84.25	3365	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.33	50.51	84.25	3363	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.42	50.51	84.25	3362	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.50	50.50	84.25	3361	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.58	50.50	84.25	3360	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.67	50.49	84.25	3358	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.75	50.49	84.25	3357	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.83	50.48	84.25	3356	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.92	50.48	84.25	3355	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.00	50.47	84.25	3353	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.08	50.47	84.25	3352	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.17	50.46	84.25	3351	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.25	50.46	84.25	3350	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.33	50.46	84.25	3348	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.42	50.45	84.25	3347	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.50	50.45	84.25	3346	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.58	50.44	84.25	3345	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.67	50.44	84.25	3343	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.75	50.43	84.25	3342	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.83	50.43	84.25	3341	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.92	50.42	84.25	3340	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.00	50.42	84.25	3339	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.08	50.42	84.25	3337	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.17	50.41	84.25	3336	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.25	50.41	84.25	3335	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.33	50.40	84.25	3334	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.42	50.40	84.25	3333	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.50	50.39	84.25	3331	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.58	50.39	84.25	3330	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.67	50.38	84.25	3329	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.75	50.38	84.25	3328	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.83	50.38	84.25	3327	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.92	50.37	84.25	3325	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.00	50.37	84.25	3324	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.08	50.36	84.25	3323	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.17	50.36	84.25	3322	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.25	50.35	84.25	3321	0.00	0.05	0.1	1.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	43.33	50.35	84.25	3320	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.42	50.35	84.25	3318	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.50	50.34	84.25	3317	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.58	50.34	84.25	3316	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.67	50.33	84.25	3315	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.75	50.33	84.25	3314	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.83	50.33	84.25	3313	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.92	50.32	84.25	3312	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.00	50.32	84.25	3310	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.08	50.31	84.25	3309	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.17	50.31	84.25	3308	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.25	50.30	84.25	3307	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.33	50.30	84.25	3306	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.42	50.30	84.25	3305	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.50	50.29	84.25	3304	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.58	50.29	84.25	3302	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.67	50.28	84.25	3301	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.75	50.28	84.25	3300	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	44.83	50.28	84.25	3299	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	44.92	50.27	84.25	3298	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.00	50.27	84.25	3297	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.08	50.26	84.25	3296	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.17	50.26	84.25	3295	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.25	50.26	84.25	3294	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.33	50.25	84.25	3292	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.42	50.25	84.25	3291	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.50	50.24	84.25	3290	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.58	50.24	84.25	3289	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.67	50.24	84.25	3288	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.75	50.23	84.25	3287	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.83	50.23	84.25	3286	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.92	50.22	84.25	3285	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.00	50.22	84.25	3284	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.08	50.22	84.25	3283	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.17	50.21	84.25	3282	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.25	50.21	84.25	3280	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.33	50.20	84.25	3279	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.42	50.20	84.25	3278	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.50	50.20	84.25	3277	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.58	50.19	84.25	3276	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.67	50.19	84.25	3275	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.75	50.18	84.25	3274	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.83	50.18	84.25	3273	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.92	50.18	84.25	3272	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.00	50.17	84.25	3271	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.08	50.17	84.25	3270	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.17	50.17	84.25	3269	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.25	50.16	84.25	3268	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.33	50.16	84.25	3267	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.42	50.15	84.25	3266	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.50	50.15	84.25	3265	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.58	50.15	84.25	3264	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.67	50.14	84.25	3262	0.00	0.04	0.1	1.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	47.75	50.14	84.25	3261	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.83	50.13	84.25	3260	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.92	50.13	84.25	3259	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.00	50.13	84.25	3258	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.08	50.12	84.25	3257	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.17	50.12	84.25	3256	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.25	50.12	84.25	3255	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.33	50.11	84.25	3254	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.42	50.11	84.25	3253	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.50	50.10	84.25	3252	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.58	50.10	84.25	3251	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.67	50.10	84.25	3250	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.75	50.09	84.25	3249	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.83	50.09	84.25	3248	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.92	50.09	84.25	3247	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.00	50.08	84.25	3246	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.08	50.08	84.25	3245	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.17	50.08	84.25	3244	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.25	50.07	84.25	3243	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.33	50.07	84.25	3242	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.42	50.06	84.25	3241	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.50	50.06	84.25	3240	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.58	50.06	84.25	3239	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.67	50.05	84.25	3238	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.75	50.05	84.25	3237	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.83	50.05	84.25	3236	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.92	50.04	84.25	3235	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.00	50.04	84.25	3234	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.08	50.04	84.25	3233	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.17	50.03	84.25	3232	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.25	50.03	84.25	3231	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.33	50.03	84.25	3230	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.42	50.02	84.25	3229	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.50	50.02	84.25	3228	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.58	50.01	84.25	3227	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.67	50.01	84.25	3226	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.75	50.01	84.25	3225	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.83	50.00	84.25	3225	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.92	50.00	84.25	3224	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.00	50.00	84.25	3223	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.08	49.99	84.25	3222	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.17	49.99	84.25	3221	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.25	49.99	84.25	3220	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.33	49.98	84.25	3219	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.42	49.98	84.25	3218	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.50	49.98	84.25	3217	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.58	49.97	84.25	3216	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.67	49.97	84.25	3215	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.75	49.97	84.25	3214	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.83	49.96	84.25	3213	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.92	49.96	84.25	3212	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.00	49.96	84.25	3211	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.08	49.95	84.25	3210	0.00	0.04	0.1	1.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	52.17	49.95	84.25	3209	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.25	49.95	84.25	3208	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.33	49.94	84.25	3207	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.42	49.94	84.25	3206	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.50	49.94	84.25	3205	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.58	49.93	84.25	3204	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.67	49.93	84.25	3203	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.75	49.93	84.25	3202	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.83	49.92	84.25	3201	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.92	49.92	84.25	3200	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.00	49.92	84.25	3199	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.08	49.91	84.25	3198	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.17	49.91	84.25	3197	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.25	49.91	84.25	3196	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.33	49.90	84.25	3195	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.42	49.90	84.25	3194	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.50	49.90	84.25	3193	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	53.58	49.89	84.25	3192	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	53.67	49.89	84.25	3191	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	53.75	49.89	84.25	3191	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	53.83	49.88	84.25	3190	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	53.92	49.88	84.25	3189	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.00	49.88	84.25	3188	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.08	49.87	84.25	3187	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.17	49.87	84.25	3186	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.25	49.87	84.25	3185	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.33	49.86	84.25	3184	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.42	49.86	84.25	3183	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.50	49.86	84.25	3182	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.58	49.85	84.25	3181	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.67	49.85	84.25	3180	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.75	49.85	84.25	3179	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.83	49.84	84.25	3178	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.92	49.84	84.25	3178	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.00	49.84	84.25	3177	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.08	49.83	84.25	3176	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.17	49.83	84.25	3175	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.25	49.83	84.25	3174	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.33	49.82	84.25	3173	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.42	49.82	84.25	3172	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.50	49.82	84.25	3171	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.58	49.82	84.25	3170	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.67	49.81	84.25	3169	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.75	49.81	84.25	3169	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.83	49.81	84.25	3168	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.92	49.80	84.25	3167	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.00	49.80	84.25	3166	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.08	49.80	84.25	3165	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.17	49.79	84.25	3164	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.25	49.79	84.25	3163	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.33	49.79	84.25	3162	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.42	49.78	84.25	3161	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.50	49.78	84.25	3161	0.00	0.03	0.1	1.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	56.58	49.78	84.25	3160	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.67	49.77	84.25	3159	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.75	49.77	84.25	3158	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.83	49.77	84.25	3157	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.92	49.77	84.25	3156	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	57.00	49.76	84.25	3155	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	57.08	49.76	84.25	3154	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.17	49.76	84.25	3153	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.25	49.75	84.25	3153	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.33	49.75	84.25	3152	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.42	49.75	84.25	3151	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.50	49.74	84.25	3150	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.58	49.74	84.25	3149	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.67	49.74	84.25	3148	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.75	49.74	84.25	3147	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.83	49.73	84.25	3147	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.92	49.73	84.25	3146	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.00	49.73	84.25	3145	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.08	49.72	84.25	3144	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.17	49.72	84.25	3143	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.25	49.72	84.25	3142	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.33	49.71	84.25	3141	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.42	49.71	84.25	3141	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.50	49.71	84.25	3140	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.58	49.71	84.25	3139	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.67	49.70	84.25	3138	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.75	49.70	84.25	3137	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.83	49.70	84.25	3136	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.92	49.69	84.25	3136	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.00	49.69	84.25	3135	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.08	49.69	84.25	3134	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.17	49.69	84.25	3133	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.25	49.68	84.25	3132	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.33	49.68	84.25	3131	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.42	49.68	84.25	3131	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.50	49.67	84.25	3130	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.58	49.67	84.25	3129	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.67	49.67	84.25	3128	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.75	49.67	84.25	3127	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.83	49.66	84.25	3126	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.92	49.66	84.25	3126	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.00	49.66	84.25	3125	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.08	49.65	84.25	3124	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.17	49.65	84.25	3123	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.25	49.65	84.25	3122	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.33	49.65	84.25	3122	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.42	49.64	84.25	3121	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.50	49.64	84.25	3120	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.58	49.64	84.25	3119	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.67	49.63	84.25	3118	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.75	49.63	84.25	3117	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.83	49.63	84.25	3117	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.92	49.63	84.25	3116	0.00	0.03	0.1	1.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	61.00	49.62	84.25	3115	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.08	49.62	84.25	3114	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.17	49.62	84.25	3113	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.25	49.61	84.25	3113	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.33	49.61	84.25	3112	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.42	49.61	84.25	3111	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.50	49.61	84.25	3110	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.58	49.60	84.25	3110	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.67	49.60	84.25	3109	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.75	49.60	84.25	3108	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.83	49.60	84.25	3107	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.92	49.59	84.25	3106	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.00	49.59	84.25	3106	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.08	49.59	84.25	3105	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.17	49.58	84.25	3104	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.25	49.58	84.25	3103	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.33	49.58	84.25	3102	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.42	49.58	84.25	3102	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.50	49.57	84.25	3101	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.58	49.57	84.25	3100	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.67	49.57	84.25	3099	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.75	49.57	84.25	3099	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.83	49.56	84.25	3098	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.92	49.56	84.25	3097	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.00	49.56	84.25	3096	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.08	49.55	84.25	3095	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.17	49.55	84.25	3095	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.25	49.55	84.25	3094	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.33	49.55	84.25	3093	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.42	49.54	84.25	3092	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.50	49.54	84.25	3092	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.58	49.54	84.25	3091	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.67	49.54	84.25	3090	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.75	49.53	84.25	3089	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.83	49.53	84.25	3089	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.92	49.53	84.25	3088	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.00	49.53	84.25	3087	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.08	49.52	84.25	3086	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.17	49.52	84.25	3086	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.25	49.52	84.25	3085	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.33	49.52	84.25	3084	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.42	49.51	84.25	3083	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.50	49.51	84.25	3083	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.58	49.51	84.25	3082	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.67	49.50	84.25	3081	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.75	49.50	84.25	3080	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.83	49.50	84.25	3080	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.92	49.50	84.25	3079	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.00	49.49	84.25	3078	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.08	49.49	84.25	3077	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.17	49.49	84.25	3077	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.25	49.49	84.25	3076	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.33	49.48	84.25	3075	0.00	0.03	0.1	1.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	65.42	49.48	84.25	3074	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.50	49.48	84.25	3074	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.58	49.48	84.25	3073	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.67	49.47	84.25	3072	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.75	49.47	84.25	3072	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.83	49.47	84.25	3071	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.92	49.47	84.25	3070	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.00	49.46	84.25	3069	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.08	49.46	84.25	3069	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.17	49.46	84.25	3068	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.25	49.46	84.25	3067	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.33	49.45	84.25	3066	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.42	49.45	84.25	3066	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.50	49.45	84.25	3065	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.58	49.45	84.25	3064	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.67	49.44	84.25	3064	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.75	49.44	84.25	3063	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.83	49.44	84.25	3062	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.92	49.44	84.25	3061	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	67.00	49.43	84.25	3061	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	67.08	49.43	84.25	3060	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	67.17	49.43	84.25	3059	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	67.25	49.43	84.25	3059	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	67.33	49.42	84.25	3058	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	67.42	49.42	84.25	3057	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	67.50	49.42	84.25	3057	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	67.58	49.42	84.25	3056	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	67.67	49.41	84.25	3055	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	67.75	49.41	84.25	3054	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	67.83	49.41	84.25	3054	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	67.92	49.41	84.25	3053	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.00	49.40	84.25	3052	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.08	49.40	84.25	3052	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.17	49.40	84.25	3051	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.25	49.40	84.25	3050	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.33	49.40	84.25	3050	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.42	49.39	84.25	3049	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.50	49.39	84.25	3048	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.58	49.39	84.25	3047	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.67	49.39	84.25	3047	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.75	49.38	84.25	3046	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.83	49.38	84.25	3045	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.92	49.38	84.25	3045	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.00	49.38	84.25	3044	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.08	49.37	84.25	3043	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.17	49.37	84.25	3043	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.25	49.37	84.25	3042	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.33	49.37	84.25	3041	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.42	49.36	84.25	3041	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.50	49.36	84.25	3040	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.58	49.36	84.25	3039	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.67	49.36	84.25	3039	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.75	49.35	84.25	3038	0.00	0.02	0.1	1.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	69.83	49.35	84.25	3037	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.92	49.35	84.25	3037	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.00	49.35	84.25	3036	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.08	49.35	84.25	3035	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.17	49.34	84.25	3035	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.25	49.34	84.25	3034	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.33	49.34	84.25	3033	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.42	49.34	84.25	3033	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.50	49.33	84.25	3032	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.58	49.33	84.25	3031	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.67	49.33	84.25	3031	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.75	49.33	84.25	3030	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.83	49.32	84.25	3029	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.92	49.32	84.25	3029	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.00	49.32	84.25	3028	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.08	49.32	84.25	3027	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.17	49.32	84.25	3027	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.25	49.31	84.25	3026	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.33	49.31	84.25	3025	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.42	49.31	84.25	3025	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.50	49.31	84.25	3024	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.58	49.30	84.25	3023	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.67	49.30	84.25	3023	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.75	49.30	84.25	3022	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.83	49.30	84.25	3021	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.92	49.29	84.25	3021	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.00	49.29	84.25	3020	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.08	49.29	84.25	3019	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.17	49.29	84.25	3019	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.25	49.29	84.25	3018	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.33	49.28	84.25	3018	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.42	49.28	84.25	3017	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.50	49.28	84.25	3016	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.58	49.28	84.25	3016	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.67	49.27	84.25	3015	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.75	49.27	84.25	3014	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.83	49.27	84.25	3014	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.92	49.27	84.25	3013	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.00	49.27	84.25	3012	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.08	49.26	84.25	3012	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.17	49.26	84.25	3011	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.25	49.26	84.25	3011	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.33	49.26	84.25	3010	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.42	49.25	84.25	3009	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.50	49.25	84.25	3009	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.58	49.25	84.25	3008	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.67	49.25	84.25	3007	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.75	49.25	84.25	3007	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.83	49.24	84.25	3006	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.92	49.24	84.25	3005	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.00	49.24	84.25	3005	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.08	49.24	84.25	3004	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.17	49.24	84.25	3004	0.00	0.02	0.1	1.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	74.25	49.23	84.25	3003	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.33	49.23	84.25	3002	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.42	49.23	84.25	3002	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.50	49.23	84.25	3001	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.58	49.22	84.25	3001	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.67	49.22	84.25	3000	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.75	49.22	84.25	2999	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.83	49.22	84.25	2999	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.92	49.22	84.25	2998	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.00	49.21	84.25	2997	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.08	49.21	84.25	2997	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.17	49.21	84.25	2996	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.25	49.21	84.25	2996	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.33	49.21	84.25	2995	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.42	49.20	84.25	2994	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.50	49.20	84.25	2994	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.58	49.20	84.25	2993	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.67	49.20	84.25	2993	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.75	49.19	84.25	2992	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.83	49.19	84.25	2991	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.92	49.19	84.25	2991	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.00	49.19	84.25	2990	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.08	49.19	84.25	2990	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.17	49.18	84.25	2989	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.25	49.18	84.25	2988	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.33	49.18	84.25	2988	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.42	49.18	84.25	2987	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.50	49.18	84.25	2987	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.58	49.17	84.25	2986	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.67	49.17	84.25	2985	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.75	49.17	84.25	2985	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.83	49.17	84.25	2984	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.92	49.17	84.25	2984	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.00	49.16	84.25	2983	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.08	49.16	84.25	2982	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.17	49.16	84.25	2982	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.25	49.16	84.25	2981	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.33	49.16	84.25	2981	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.42	49.15	84.25	2980	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.50	49.15	84.25	2979	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.58	49.15	84.25	2979	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.67	49.15	84.25	2978	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.75	49.15	84.25	2978	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.83	49.14	84.25	2977	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.92	49.14	84.25	2977	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.00	49.14	84.25	2976	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.08	49.14	84.25	2975	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.17	49.14	84.25	2975	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.25	49.13	84.25	2974	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.33	49.13	84.25	2974	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.42	49.13	84.25	2973	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.50	49.13	84.25	2973	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.58	49.13	84.25	2972	0.00	0.02	0.1	1.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-2	BASE	78.67	49.12	84.25	2971	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	78.75	49.12	84.25	2971	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	78.83	49.12	84.25	2970	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	78.92	49.12	84.25	2970	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.00	49.12	84.25	2969	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.08	49.11	84.25	2968	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.17	49.11	84.25	2968	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.25	49.11	84.25	2967	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.33	49.11	84.25	2967	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.42	49.11	84.25	2966	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.50	49.10	84.25	2966	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.58	49.10	84.25	2965	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.67	49.10	84.25	2965	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.75	49.10	84.25	2964	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.83	49.10	84.25	2963	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.92	49.09	84.25	2963	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	80.00	49.09	84.25	2962	0.00	0.02	0.1	1.1	BASIN-2 WQTV

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	0.00	81.53	88.00	218783	0.00	0.00	0.0	0.0
WQTV	BASIN-3	BASE	0.08	81.53	88.00	218525	0.00	2.53	0.0	0.0
WQTV	BASIN-3	BASE	0.17	81.52	88.00	218269	0.00	2.53	0.0	0.0
WQTV	BASIN-3	BASE	0.25	81.52	88.00	218013	0.00	2.52	0.0	0.0
WQTV	BASIN-3	BASE	0.33	81.52	88.00	217757	0.00	2.52	0.0	0.1
WQTV	BASIN-3	BASE	0.42	81.51	88.00	217500	0.00	2.52	0.0	0.1
WQTV	BASIN-3	BASE	0.50	81.51	88.00	217244	0.00	2.51	0.0	0.1
WQTV	BASIN-3	BASE	0.58	81.51	88.00	216988	0.00	2.51	0.0	0.1
WQTV	BASIN-3	BASE	0.67	81.50	88.00	216731	0.00	2.51	0.0	0.1
WQTV	BASIN-3	BASE	0.75	81.50	88.00	216475	0.00	2.51	0.0	0.1
WQTV	BASIN-3	BASE	0.83	81.50	88.00	216218	0.00	2.50	0.0	0.2
WQTV	BASIN-3	BASE	0.92	81.49	88.00	215957	0.00	2.50	0.0	0.2
WQTV	BASIN-3	BASE	1.00	81.49	88.00	215704	0.00	2.50	0.0	0.2
WQTV	BASIN-3	BASE	1.09	81.48	88.00	215443	0.00	2.49	0.0	0.2
WQTV	BASIN-3	BASE	1.17	81.48	88.00	215188	0.00	2.49	0.0	0.2
WQTV	BASIN-3	BASE	1.25	81.48	88.00	214929	0.00	2.49	0.0	0.3
WQTV	BASIN-3	BASE	1.33	81.47	88.00	214679	0.00	2.48	0.0	0.3
WQTV	BASIN-3	BASE	1.42	81.47	88.00	214421	0.00	2.48	0.0	0.3
WQTV	BASIN-3	BASE	1.50	81.47	88.00	214162	0.00	2.48	0.0	0.3
WQTV	BASIN-3	BASE	1.59	81.46	88.00	213901	0.00	2.48	0.0	0.3
WQTV	BASIN-3	BASE	1.67	81.46	88.00	213651	0.00	2.47	0.0	0.3
WQTV	BASIN-3	BASE	1.75	81.46	88.00	213390	0.00	2.47	0.0	0.4
WQTV	BASIN-3	BASE	1.83	81.45	88.00	213140	0.00	2.47	0.0	0.4
WQTV	BASIN-3	BASE	1.92	81.45	88.00	212879	0.00	2.46	0.0	0.4
WQTV	BASIN-3	BASE	2.00	81.45	88.00	212629	0.00	2.46	0.0	0.4
WQTV	BASIN-3	BASE	2.09	81.44	88.00	212363	0.00	2.46	0.0	0.4
WQTV	BASIN-3	BASE	2.17	81.44	88.00	212115	0.00	2.46	0.0	0.4
WQTV	BASIN-3	BASE	2.25	81.44	88.00	211855	0.00	2.45	0.0	0.5
WQTV	BASIN-3	BASE	2.34	81.43	88.00	211594	0.00	2.45	0.0	0.5
WQTV	BASIN-3	BASE	2.42	81.43	88.00	211346	0.00	2.45	0.0	0.5
WQTV	BASIN-3	BASE	2.50	81.43	88.00	211086	0.00	2.44	0.0	0.5
WQTV	BASIN-3	BASE	2.59	81.42	88.00	210825	0.00	2.44	0.0	0.5
WQTV	BASIN-3	BASE	2.67	81.42	88.00	210577	0.00	2.44	0.0	0.5
WQTV	BASIN-3	BASE	2.75	81.42	88.00	210317	0.00	2.43	0.0	0.6

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	2.84	81.41	88.00	210049	0.00	2.43	0.0	0.6
WQTV	BASIN-3	BASE	2.92	81.41	88.00	209805	0.00	2.43	0.0	0.6
WQTV	BASIN-3	BASE	3.00	81.40	88.00	209544	0.00	2.43	0.0	0.6
WQTV	BASIN-3	BASE	3.09	81.40	88.00	209284	0.00	2.42	0.0	0.6
WQTV	BASIN-3	BASE	3.17	81.40	88.00	209023	0.00	2.42	0.0	0.6
WQTV	BASIN-3	BASE	3.25	81.39	88.00	208778	0.00	2.42	0.0	0.7
WQTV	BASIN-3	BASE	3.34	81.39	88.00	208518	0.00	2.41	0.0	0.7
WQTV	BASIN-3	BASE	3.42	81.39	88.00	208257	0.00	2.41	0.0	0.7
WQTV	BASIN-3	BASE	3.50	81.38	88.00	208013	0.00	2.41	0.0	0.7
WQTV	BASIN-3	BASE	3.58	81.38	88.00	207752	0.00	2.40	0.0	0.7
WQTV	BASIN-3	BASE	3.67	81.38	88.00	207491	0.00	2.40	0.0	0.7
WQTV	BASIN-3	BASE	3.75	81.37	88.00	207230	0.00	2.40	0.0	0.8
WQTV	BASIN-3	BASE	3.83	81.37	88.00	206986	0.00	2.40	0.0	0.8
WQTV	BASIN-3	BASE	3.92	81.37	88.00	206721	0.00	2.39	0.0	0.8
WQTV	BASIN-3	BASE	4.01	81.36	88.00	206457	0.00	2.39	0.0	0.8
WQTV	BASIN-3	BASE	4.09	81.36	88.00	206212	0.00	2.39	0.0	0.8
WQTV	BASIN-3	BASE	4.17	81.36	88.00	205947	0.00	2.38	0.0	0.8
WQTV	BASIN-3	BASE	4.25	81.35	88.00	205703	0.00	2.38	0.0	0.9
WQTV	BASIN-3	BASE	4.34	81.35	88.00	205438	0.00	2.38	0.0	0.9
WQTV	BASIN-3	BASE	4.42	81.35	88.00	205173	0.00	2.37	0.0	0.9
WQTV	BASIN-3	BASE	4.50	81.34	88.00	204929	0.00	2.37	0.0	0.9
WQTV	BASIN-3	BASE	4.59	81.34	88.00	204664	0.00	2.37	0.0	0.9
WQTV	BASIN-3	BASE	4.67	81.34	88.00	204420	0.00	2.37	0.0	0.9
WQTV	BASIN-3	BASE	4.75	81.33	88.00	204155	0.00	2.36	0.0	1.0
WQTV	BASIN-3	BASE	4.84	81.33	88.00	203890	0.00	2.36	0.0	1.0
WQTV	BASIN-3	BASE	4.92	81.33	88.00	203646	0.00	2.36	0.0	1.0
WQTV	BASIN-3	BASE	5.01	81.32	88.00	203381	0.00	2.35	0.0	1.0
WQTV	BASIN-3	BASE	5.09	81.32	88.00	203126	0.00	2.35	0.0	1.0
WQTV	BASIN-3	BASE	5.17	81.31	88.00	202872	0.00	2.35	0.0	1.0
WQTV	BASIN-3	BASE	5.25	81.31	88.00	202617	0.00	2.35	0.0	1.1
WQTV	BASIN-3	BASE	5.34	81.31	88.00	202363	0.00	2.34	0.0	1.1
WQTV	BASIN-3	BASE	5.42	81.30	88.00	202108	0.00	2.34	0.0	1.1
WQTV	BASIN-3	BASE	5.50	81.30	88.00	201853	0.00	2.34	0.0	1.1
WQTV	BASIN-3	BASE	5.58	81.30	88.00	201599	0.00	2.33	0.0	1.1
WQTV	BASIN-3	BASE	5.67	81.29	88.00	201344	0.00	2.33	0.0	1.1
WQTV	BASIN-3	BASE	5.75	81.29	88.00	201090	0.00	2.33	0.0	1.1
WQTV	BASIN-3	BASE	5.84	81.29	88.00	200810	0.00	2.32	0.0	1.2
WQTV	BASIN-3	BASE	5.92	81.28	88.00	200555	0.00	2.32	0.0	1.2
WQTV	BASIN-3	BASE	6.01	81.28	88.00	200300	0.00	2.32	0.0	1.2
WQTV	BASIN-3	BASE	6.09	81.28	88.00	200046	0.00	2.32	0.0	1.2
WQTV	BASIN-3	BASE	6.17	81.27	88.00	199791	0.00	2.31	0.0	1.2
WQTV	BASIN-3	BASE	6.25	81.27	88.00	199537	0.00	2.31	0.0	1.2
WQTV	BASIN-3	BASE	6.34	81.27	88.00	199282	0.00	2.31	0.0	1.3
WQTV	BASIN-3	BASE	6.42	81.26	88.00	199027	0.00	2.30	0.0	1.3
WQTV	BASIN-3	BASE	6.50	81.26	88.00	198773	0.00	2.30	0.0	1.3
WQTV	BASIN-3	BASE	6.59	81.26	88.00	198518	0.00	2.30	0.0	1.3
WQTV	BASIN-3	BASE	6.67	81.25	88.00	198264	0.00	2.29	0.0	1.3
WQTV	BASIN-3	BASE	6.75	81.25	88.00	198009	0.00	2.29	0.0	1.3
WQTV	BASIN-3	BASE	6.83	81.25	88.00	197754	0.00	2.29	0.0	1.4
WQTV	BASIN-3	BASE	6.92	81.24	88.00	197497	0.00	2.29	0.0	1.4
WQTV	BASIN-3	BASE	7.00	81.24	88.00	197241	0.00	2.28	0.0	1.4
WQTV	BASIN-3	BASE	7.08	81.23	88.00	196985	0.00	2.28	0.0	1.4
WQTV	BASIN-3	BASE	7.17	81.23	88.00	196728	0.00	2.28	0.0	1.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	7.25	81.23	88.00	196472	0.00	2.27	0.0	1.4
WQTV	BASIN-3	BASE	7.33	81.22	88.00	196215	0.00	2.27	0.0	1.4
WQTV	BASIN-3	BASE	7.42	81.22	88.00	195959	0.00	2.27	0.0	1.5
WQTV	BASIN-3	BASE	7.50	81.22	88.00	195702	0.00	2.27	0.0	1.5
WQTV	BASIN-3	BASE	7.58	81.21	88.00	195446	0.00	2.26	0.0	1.5
WQTV	BASIN-3	BASE	7.67	81.21	88.00	195190	0.00	2.26	0.0	1.5
WQTV	BASIN-3	BASE	7.75	81.21	88.00	194933	0.00	2.26	0.0	1.5
WQTV	BASIN-3	BASE	7.83	81.20	88.00	194677	0.00	2.25	0.0	1.5
WQTV	BASIN-3	BASE	7.92	81.20	88.00	194420	0.00	2.25	0.0	1.6
WQTV	BASIN-3	BASE	8.00	81.20	88.00	194164	0.00	2.25	0.0	1.6
WQTV	BASIN-3	BASE	8.08	81.19	88.00	193907	0.00	2.24	0.0	1.6
WQTV	BASIN-3	BASE	8.17	81.19	88.00	193651	0.00	2.24	0.0	1.6
WQTV	BASIN-3	BASE	8.25	81.19	88.00	193394	0.00	2.24	0.0	1.6
WQTV	BASIN-3	BASE	8.33	81.18	88.00	193138	0.00	2.24	0.0	1.6
WQTV	BASIN-3	BASE	8.42	81.18	88.00	192882	0.00	2.23	0.0	1.6
WQTV	BASIN-3	BASE	8.50	81.18	88.00	192625	0.00	2.23	0.0	1.7
WQTV	BASIN-3	BASE	8.58	81.17	88.00	192369	0.00	2.23	0.0	1.7
WQTV	BASIN-3	BASE	8.67	81.17	88.00	192112	0.00	2.22	0.0	1.7
WQTV	BASIN-3	BASE	8.75	81.17	88.00	191856	0.00	2.22	0.0	1.7
WQTV	BASIN-3	BASE	8.83	81.16	88.00	191599	0.00	2.22	0.0	1.7
WQTV	BASIN-3	BASE	8.92	81.16	88.00	191343	0.00	2.21	0.0	1.7
WQTV	BASIN-3	BASE	9.00	81.15	88.00	191087	0.00	2.21	0.0	1.8
WQTV	BASIN-3	BASE	9.08	81.15	88.00	190830	0.00	2.21	0.0	1.8
WQTV	BASIN-3	BASE	9.17	81.15	88.00	190574	0.00	2.21	0.0	1.8
WQTV	BASIN-3	BASE	9.25	81.14	88.00	190317	0.00	2.20	0.0	1.8
WQTV	BASIN-3	BASE	9.33	81.14	88.00	190061	0.00	2.20	0.0	1.8
WQTV	BASIN-3	BASE	9.42	81.14	88.00	189804	0.00	2.20	0.0	1.8
WQTV	BASIN-3	BASE	9.50	81.13	88.00	189548	0.00	2.19	0.0	1.8
WQTV	BASIN-3	BASE	9.58	81.13	88.00	189292	0.00	2.19	0.0	1.9
WQTV	BASIN-3	BASE	9.67	81.13	88.00	189035	0.00	2.19	0.0	1.9
WQTV	BASIN-3	BASE	9.75	81.12	88.00	188779	0.00	2.18	0.0	1.9
WQTV	BASIN-3	BASE	9.83	81.12	88.00	188522	0.00	2.18	0.0	1.9
WQTV	BASIN-3	BASE	9.92	81.12	88.00	188266	0.00	2.18	0.0	1.9
WQTV	BASIN-3	BASE	10.00	81.11	88.00	188009	0.00	2.18	0.0	1.9
WQTV	BASIN-3	BASE	10.08	81.11	88.00	187753	0.00	2.17	0.0	2.0
WQTV	BASIN-3	BASE	10.17	81.11	88.00	187497	0.00	2.17	0.0	2.0
WQTV	BASIN-3	BASE	10.25	81.10	88.00	187240	0.00	2.17	0.0	2.0
WQTV	BASIN-3	BASE	10.33	81.10	88.00	186984	0.00	2.16	0.0	2.0
WQTV	BASIN-3	BASE	10.42	81.10	88.00	186727	0.00	2.16	0.0	2.0
WQTV	BASIN-3	BASE	10.50	81.09	88.00	186471	0.00	2.16	0.0	2.0
WQTV	BASIN-3	BASE	10.58	81.09	88.00	186214	0.00	2.16	0.0	2.0
WQTV	BASIN-3	BASE	10.67	81.09	88.00	185958	0.00	2.15	0.0	2.1
WQTV	BASIN-3	BASE	10.75	81.08	88.00	185702	0.00	2.15	0.0	2.1
WQTV	BASIN-3	BASE	10.83	81.08	88.00	185445	0.00	2.15	0.0	2.1
WQTV	BASIN-3	BASE	10.92	81.08	88.00	185189	0.00	2.14	0.0	2.1
WQTV	BASIN-3	BASE	11.00	81.07	88.00	184932	0.00	2.14	0.0	2.1
WQTV	BASIN-3	BASE	11.08	81.07	88.00	184676	0.00	2.14	0.0	2.1
WQTV	BASIN-3	BASE	11.17	81.06	88.00	184419	0.00	2.13	0.0	2.1
WQTV	BASIN-3	BASE	11.25	81.06	88.00	184163	0.00	2.13	0.0	2.2
WQTV	BASIN-3	BASE	11.33	81.06	88.00	183907	0.00	2.13	0.0	2.2
WQTV	BASIN-3	BASE	11.42	81.05	88.00	183650	0.00	2.13	0.0	2.2
WQTV	BASIN-3	BASE	11.50	81.05	88.00	183394	0.00	2.12	0.0	2.2
WQTV	BASIN-3	BASE	11.58	81.05	88.00	183137	0.00	2.12	0.0	2.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	11.67	81.04	88.00	182881	0.00	2.12	0.0	2.2
WQTV	BASIN-3	BASE	11.75	81.04	88.00	182624	0.00	2.11	0.0	2.2
WQTV	BASIN-3	BASE	11.83	81.04	88.00	182368	0.00	2.11	0.0	2.3
WQTV	BASIN-3	BASE	11.92	81.03	88.00	182112	0.00	2.11	0.0	2.3
WQTV	BASIN-3	BASE	12.00	81.03	88.00	181855	0.00	2.10	0.0	2.3
WQTV	BASIN-3	BASE	12.08	81.03	88.00	181599	0.00	2.10	0.0	2.3
WQTV	BASIN-3	BASE	12.17	81.02	88.00	181342	0.00	2.10	0.0	2.3
WQTV	BASIN-3	BASE	12.25	81.02	88.00	181086	0.00	2.10	0.0	2.3
WQTV	BASIN-3	BASE	12.33	81.02	88.00	180829	0.00	2.09	0.0	2.3
WQTV	BASIN-3	BASE	12.42	81.01	88.00	180573	0.00	2.09	0.0	2.4
WQTV	BASIN-3	BASE	12.50	81.01	88.00	180317	0.00	2.09	0.0	2.4
WQTV	BASIN-3	BASE	12.58	81.01	88.00	180060	0.00	2.08	0.0	2.4
WQTV	BASIN-3	BASE	12.67	81.00	88.00	179804	0.00	2.08	0.0	2.4
WQTV	BASIN-3	BASE	12.75	81.00	88.00	179547	0.00	2.08	0.0	2.4
WQTV	BASIN-3	BASE	12.83	81.00	88.00	179291	0.00	2.08	0.0	2.4
WQTV	BASIN-3	BASE	12.92	80.99	88.00	179034	0.00	2.07	0.0	2.4
WQTV	BASIN-3	BASE	13.00	80.99	88.00	178778	0.00	2.07	0.0	2.5
WQTV	BASIN-3	BASE	13.08	80.98	88.00	178522	0.00	2.07	0.0	2.5
WQTV	BASIN-3	BASE	13.17	80.98	88.00	178265	0.00	2.06	0.0	2.5
WQTV	BASIN-3	BASE	13.25	80.98	88.00	178009	0.00	2.06	0.0	2.5
WQTV	BASIN-3	BASE	13.33	80.97	88.00	177752	0.00	2.06	0.0	2.5
WQTV	BASIN-3	BASE	13.42	80.97	88.00	177496	0.00	2.05	0.0	2.5
WQTV	BASIN-3	BASE	13.50	80.97	88.00	177239	0.00	2.05	0.0	2.5
WQTV	BASIN-3	BASE	13.58	80.96	88.00	176983	0.00	2.05	0.0	2.6
WQTV	BASIN-3	BASE	13.67	80.96	88.00	176727	0.00	2.05	0.0	2.6
WQTV	BASIN-3	BASE	13.75	80.96	88.00	176470	0.00	2.04	0.0	2.6
WQTV	BASIN-3	BASE	13.83	80.95	88.00	176214	0.00	2.04	0.0	2.6
WQTV	BASIN-3	BASE	13.92	80.95	88.00	175957	0.00	2.04	0.0	2.6
WQTV	BASIN-3	BASE	14.00	80.95	88.00	175701	0.00	2.03	0.0	2.6
WQTV	BASIN-3	BASE	14.08	80.94	88.00	175444	0.00	2.03	0.0	2.6
WQTV	BASIN-3	BASE	14.17	80.94	88.00	175188	0.00	2.03	0.0	2.7
WQTV	BASIN-3	BASE	14.25	80.94	88.00	174932	0.00	2.02	0.0	2.7
WQTV	BASIN-3	BASE	14.33	80.93	88.00	174675	0.00	2.02	0.0	2.7
WQTV	BASIN-3	BASE	14.42	80.93	88.00	174419	0.00	2.02	0.0	2.7
WQTV	BASIN-3	BASE	14.50	80.93	88.00	174162	0.00	2.02	0.0	2.7
WQTV	BASIN-3	BASE	14.58	80.92	88.00	173906	0.00	2.01	0.0	2.7
WQTV	BASIN-3	BASE	14.67	80.92	88.00	173649	0.00	2.01	0.0	2.7
WQTV	BASIN-3	BASE	14.75	80.92	88.00	173393	0.00	2.01	0.0	2.8
WQTV	BASIN-3	BASE	14.83	80.91	88.00	173137	0.00	2.00	0.0	2.8
WQTV	BASIN-3	BASE	14.92	80.91	88.00	172880	0.00	2.00	0.0	2.8
WQTV	BASIN-3	BASE	15.00	80.90	88.00	172624	0.00	2.00	0.0	2.8
WQTV	BASIN-3	BASE	15.08	80.90	88.00	172367	0.00	1.99	0.0	2.8
WQTV	BASIN-3	BASE	15.17	80.90	88.00	172111	0.00	1.99	0.0	2.8
WQTV	BASIN-3	BASE	15.25	80.89	88.00	171854	0.00	1.99	0.0	2.8
WQTV	BASIN-3	BASE	15.33	80.89	88.00	171598	0.00	1.99	0.0	2.9
WQTV	BASIN-3	BASE	15.42	80.89	88.00	171342	0.00	1.98	0.0	2.9
WQTV	BASIN-3	BASE	15.50	80.88	88.00	171085	0.00	1.98	0.0	2.9
WQTV	BASIN-3	BASE	15.58	80.88	88.00	170829	0.00	1.98	0.0	2.9
WQTV	BASIN-3	BASE	15.67	80.88	88.00	170572	0.00	1.97	0.0	2.9
WQTV	BASIN-3	BASE	15.75	80.87	88.00	170316	0.00	1.97	0.0	2.9
WQTV	BASIN-3	BASE	15.83	80.87	88.00	170059	0.00	1.97	0.0	2.9
WQTV	BASIN-3	BASE	15.92	80.87	88.00	169803	0.00	1.97	0.0	2.9
WQTV	BASIN-3	BASE	16.00	80.86	88.00	169547	0.00	1.96	0.0	3.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-3	BASE	16.08	80.86	88.00	169290	0.00	1.96	0.0	3.0
WQTV	BASIN-3	BASE	16.17	80.86	88.00	169034	0.00	1.96	0.0	3.0
WQTV	BASIN-3	BASE	16.25	80.85	88.00	168777	0.00	1.95	0.0	3.0
WQTV	BASIN-3	BASE	16.33	80.85	88.00	168521	0.00	1.95	0.0	3.0
WQTV	BASIN-3	BASE	16.42	80.85	88.00	168264	0.00	1.95	0.0	3.0
WQTV	BASIN-3	BASE	16.50	80.84	88.00	168008	0.00	1.94	0.0	3.0
WQTV	BASIN-3	BASE	16.58	80.84	88.00	167752	0.00	1.94	0.0	3.1
WQTV	BASIN-3	BASE	16.67	80.84	88.00	167495	0.00	1.94	0.0	3.1
WQTV	BASIN-3	BASE	16.75	80.83	88.00	167239	0.00	1.94	0.0	3.1
WQTV	BASIN-3	BASE	16.83	80.83	88.00	166982	0.00	1.93	0.0	3.1
WQTV	BASIN-3	BASE	16.92	80.83	88.00	166726	0.00	1.93	0.0	3.1
WQTV	BASIN-3	BASE	17.00	80.82	88.00	166469	0.00	1.93	0.0	3.1
WQTV	BASIN-3	BASE	17.08	80.82	88.00	166213	0.00	1.92	0.0	3.1
WQTV	BASIN-3	BASE	17.17	80.81	88.00	165957	0.00	1.92	0.0	3.2
WQTV	BASIN-3	BASE	17.25	80.81	88.00	165700	0.00	1.92	0.0	3.2
WQTV	BASIN-3	BASE	17.33	80.81	88.00	165444	0.00	1.91	0.0	3.2
WQTV	BASIN-3	BASE	17.42	80.80	88.00	165187	0.00	1.91	0.0	3.2
WQTV	BASIN-3	BASE	17.50	80.80	88.00	164931	0.00	1.91	0.0	3.2
WQTV	BASIN-3	BASE	17.58	80.80	88.00	164674	0.00	1.91	0.0	3.2
WQTV	BASIN-3	BASE	17.67	80.79	88.00	164418	0.00	1.90	0.0	3.2
WQTV	BASIN-3	BASE	17.75	80.79	88.00	164162	0.00	1.90	0.0	3.2
WQTV	BASIN-3	BASE	17.83	80.79	88.00	163905	0.00	1.90	0.0	3.3
WQTV	BASIN-3	BASE	17.92	80.78	88.00	163649	0.00	1.89	0.0	3.3
WQTV	BASIN-3	BASE	18.00	80.78	88.00	163392	0.00	1.89	0.0	3.3
WQTV	BASIN-3	BASE	18.08	80.78	88.00	163136	0.00	1.89	0.0	3.3
WQTV	BASIN-3	BASE	18.17	80.77	88.00	162879	0.00	1.89	0.0	3.3
WQTV	BASIN-3	BASE	18.25	80.77	88.00	162623	0.00	1.88	0.0	3.3
WQTV	BASIN-3	BASE	18.33	80.77	88.00	162367	0.00	1.88	0.0	3.3
WQTV	BASIN-3	BASE	18.42	80.76	88.00	162110	0.00	1.88	0.0	3.3
WQTV	BASIN-3	BASE	18.50	80.76	88.00	161854	0.00	1.87	0.0	3.4
WQTV	BASIN-3	BASE	18.58	80.76	88.00	161597	0.00	1.87	0.0	3.4
WQTV	BASIN-3	BASE	18.67	80.75	88.00	161341	0.00	1.87	0.0	3.4
WQTV	BASIN-3	BASE	18.75	80.75	88.00	161084	0.00	1.86	0.0	3.4
WQTV	BASIN-3	BASE	18.83	80.75	88.00	160828	0.00	1.86	0.0	3.4
WQTV	BASIN-3	BASE	18.92	80.74	88.00	160572	0.00	1.86	0.0	3.4
WQTV	BASIN-3	BASE	19.00	80.74	88.00	160315	0.00	1.86	0.0	3.4
WQTV	BASIN-3	BASE	19.08	80.73	88.00	160059	0.00	1.85	0.0	3.4
WQTV	BASIN-3	BASE	19.17	80.73	88.00	159802	0.00	1.85	0.0	3.5
WQTV	BASIN-3	BASE	19.25	80.73	88.00	159546	0.00	1.85	0.0	3.5
WQTV	BASIN-3	BASE	19.33	80.72	88.00	159289	0.00	1.84	0.0	3.5
WQTV	BASIN-3	BASE	19.42	80.72	88.00	159033	0.00	1.84	0.0	3.5
WQTV	BASIN-3	BASE	19.50	80.72	88.00	158777	0.00	1.84	0.0	3.5
WQTV	BASIN-3	BASE	19.58	80.71	88.00	158520	0.00	1.83	0.0	3.5
WQTV	BASIN-3	BASE	19.67	80.71	88.00	158264	0.00	1.83	0.0	3.5
WQTV	BASIN-3	BASE	19.75	80.71	88.00	158007	0.00	1.83	0.0	3.6
WQTV	BASIN-3	BASE	19.83	80.70	88.00	157751	0.00	1.83	0.0	3.6
WQTV	BASIN-3	BASE	19.92	80.70	88.00	157494	0.00	1.82	0.0	3.6
WQTV	BASIN-3	BASE	20.00	80.70	88.00	157238	0.00	1.82	0.0	3.6
WQTV	BASIN-3	BASE	20.08	80.69	88.00	156982	0.00	1.82	0.0	3.6
WQTV	BASIN-3	BASE	20.17	80.69	88.00	156725	0.00	1.81	0.0	3.6
WQTV	BASIN-3	BASE	20.25	80.69	88.00	156469	0.00	1.81	0.0	3.6
WQTV	BASIN-3	BASE	20.33	80.68	88.00	156212	0.00	1.81	0.0	3.6
WQTV	BASIN-3	BASE	20.42	80.68	88.00	155956	0.00	1.81	0.0	3.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	20.50	80.68	88.00	155699	0.00	1.80	0.0	3.7
WQTV	BASIN-3	BASE	20.58	80.67	88.00	155443	0.00	1.80	0.0	3.7
WQTV	BASIN-3	BASE	20.67	80.67	88.00	155187	0.00	1.80	0.0	3.7
WQTV	BASIN-3	BASE	20.75	80.67	88.00	154930	0.00	1.79	0.0	3.7
WQTV	BASIN-3	BASE	20.83	80.66	88.00	154674	0.00	1.79	0.0	3.7
WQTV	BASIN-3	BASE	20.92	80.66	88.00	154417	0.00	1.79	0.0	3.7
WQTV	BASIN-3	BASE	21.00	80.65	88.00	154161	0.00	1.78	0.0	3.7
WQTV	BASIN-3	BASE	21.08	80.65	88.00	153904	0.00	1.78	0.0	3.7
WQTV	BASIN-3	BASE	21.17	80.65	88.00	153648	0.00	1.78	0.0	3.8
WQTV	BASIN-3	BASE	21.25	80.64	88.00	153392	0.00	1.78	0.0	3.8
WQTV	BASIN-3	BASE	21.33	80.64	88.00	153135	0.00	1.77	0.0	3.8
WQTV	BASIN-3	BASE	21.42	80.64	88.00	152879	0.00	1.77	0.0	3.8
WQTV	BASIN-3	BASE	21.50	80.63	88.00	152622	0.00	1.77	0.0	3.8
WQTV	BASIN-3	BASE	21.58	80.63	88.00	152366	0.00	1.76	0.0	3.8
WQTV	BASIN-3	BASE	21.67	80.63	88.00	152109	0.00	1.76	0.0	3.8
WQTV	BASIN-3	BASE	21.75	80.62	88.00	151853	0.00	1.76	0.0	3.8
WQTV	BASIN-3	BASE	21.83	80.62	88.00	151597	0.00	1.75	0.0	3.9
WQTV	BASIN-3	BASE	21.92	80.62	88.00	151340	0.00	1.75	0.0	3.9
WQTV	BASIN-3	BASE	22.00	80.61	88.00	151084	0.00	1.75	0.0	3.9
WQTV	BASIN-3	BASE	22.08	80.61	88.00	150827	0.00	1.75	0.0	3.9
WQTV	BASIN-3	BASE	22.17	80.61	88.00	150571	0.00	1.74	0.0	3.9
WQTV	BASIN-3	BASE	22.25	80.60	88.00	150314	0.00	1.74	0.0	3.9
WQTV	BASIN-3	BASE	22.33	80.60	88.00	150058	0.00	1.74	0.0	3.9
WQTV	BASIN-3	BASE	22.42	80.60	88.00	149802	0.00	1.73	0.0	3.9
WQTV	BASIN-3	BASE	22.50	80.59	88.00	149545	0.00	1.73	0.0	4.0
WQTV	BASIN-3	BASE	22.58	80.59	88.00	149289	0.00	1.73	0.0	4.0
WQTV	BASIN-3	BASE	22.67	80.59	88.00	149032	0.00	1.72	0.0	4.0
WQTV	BASIN-3	BASE	22.75	80.58	88.00	148776	0.00	1.72	0.0	4.0
WQTV	BASIN-3	BASE	22.83	80.58	88.00	148519	0.00	1.72	0.0	4.0
WQTV	BASIN-3	BASE	22.92	80.58	88.00	148263	0.00	1.72	0.0	4.0
WQTV	BASIN-3	BASE	23.00	80.57	88.00	148007	0.00	1.71	0.0	4.0
WQTV	BASIN-3	BASE	23.08	80.57	88.00	147750	0.00	1.71	0.0	4.0
WQTV	BASIN-3	BASE	23.17	80.56	88.00	147494	0.00	1.71	0.0	4.0
WQTV	BASIN-3	BASE	23.25	80.56	88.00	147237	0.00	1.70	0.0	4.1
WQTV	BASIN-3	BASE	23.33	80.56	88.00	146981	0.00	1.70	0.0	4.1
WQTV	BASIN-3	BASE	23.42	80.55	88.00	146724	0.00	1.70	0.0	4.1
WQTV	BASIN-3	BASE	23.50	80.55	88.00	146468	0.00	1.70	0.0	4.1
WQTV	BASIN-3	BASE	23.58	80.55	88.00	146212	0.00	1.69	0.0	4.1
WQTV	BASIN-3	BASE	23.67	80.54	88.00	145955	0.00	1.69	0.0	4.1
WQTV	BASIN-3	BASE	23.75	80.54	88.00	145699	0.00	1.69	0.0	4.1
WQTV	BASIN-3	BASE	23.83	80.54	88.00	145442	0.00	1.68	0.0	4.1
WQTV	BASIN-3	BASE	23.92	80.53	88.00	145186	0.00	1.68	0.0	4.2
WQTV	BASIN-3	BASE	24.00	80.53	88.00	144929	0.00	1.68	0.0	4.2
WQTV	BASIN-3	BASE	24.08	80.53	88.00	144673	0.00	1.67	0.0	4.2
WQTV	BASIN-3	BASE	24.17	80.52	88.00	144417	0.00	1.67	0.0	4.2
WQTV	BASIN-3	BASE	24.25	80.52	88.00	144160	0.00	1.67	0.0	4.2
WQTV	BASIN-3	BASE	24.33	80.52	88.00	143904	0.00	1.67	0.0	4.2
WQTV	BASIN-3	BASE	24.42	80.51	88.00	143647	0.00	1.66	0.0	4.2
WQTV	BASIN-3	BASE	24.50	80.51	88.00	143391	0.00	1.66	0.0	4.2
WQTV	BASIN-3	BASE	24.58	80.51	88.00	143134	0.00	1.66	0.0	4.2
WQTV	BASIN-3	BASE	24.67	80.50	88.00	142878	0.00	1.65	0.0	4.3
WQTV	BASIN-3	BASE	24.75	80.50	88.00	142622	0.00	1.65	0.0	4.3
WQTV	BASIN-3	BASE	24.83	80.50	88.00	142365	0.00	1.65	0.0	4.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	24.92	80.49	88.00	142109	0.00	1.64	0.0	4.3
WQTV	BASIN-3	BASE	25.00	80.49	88.00	141852	0.00	1.64	0.0	4.3
WQTV	BASIN-3	BASE	25.08	80.48	88.00	141596	0.00	1.64	0.0	4.3
WQTV	BASIN-3	BASE	25.17	80.48	88.00	141339	0.00	1.64	0.0	4.3
WQTV	BASIN-3	BASE	25.25	80.48	88.00	141083	0.00	1.63	0.0	4.3
WQTV	BASIN-3	BASE	25.33	80.47	88.00	140827	0.00	1.63	0.0	4.3
WQTV	BASIN-3	BASE	25.42	80.47	88.00	140570	0.00	1.63	0.0	4.4
WQTV	BASIN-3	BASE	25.50	80.47	88.00	140314	0.00	1.62	0.0	4.4
WQTV	BASIN-3	BASE	25.58	80.46	88.00	140057	0.00	1.62	0.0	4.4
WQTV	BASIN-3	BASE	25.67	80.46	88.00	139801	0.00	1.62	0.0	4.4
WQTV	BASIN-3	BASE	25.75	80.46	88.00	139544	0.00	1.62	0.0	4.4
WQTV	BASIN-3	BASE	25.83	80.45	88.00	139288	0.00	1.61	0.0	4.4
WQTV	BASIN-3	BASE	25.92	80.45	88.00	139031	0.00	1.61	0.0	4.4
WQTV	BASIN-3	BASE	26.00	80.45	88.00	138775	0.00	1.61	0.0	4.4
WQTV	BASIN-3	BASE	26.08	80.44	88.00	138519	0.00	1.60	0.0	4.4
WQTV	BASIN-3	BASE	26.17	80.44	88.00	138262	0.00	1.60	0.0	4.5
WQTV	BASIN-3	BASE	26.25	80.44	88.00	138006	0.00	1.60	0.0	4.5
WQTV	BASIN-3	BASE	26.33	80.43	88.00	137749	0.00	1.59	0.0	4.5
WQTV	BASIN-3	BASE	26.42	80.43	88.00	137493	0.00	1.59	0.0	4.5
WQTV	BASIN-3	BASE	26.50	80.43	88.00	137236	0.00	1.59	0.0	4.5
WQTV	BASIN-3	BASE	26.58	80.42	88.00	136980	0.00	1.59	0.0	4.5
WQTV	BASIN-3	BASE	26.67	80.42	88.00	136724	0.00	1.58	0.0	4.5
WQTV	BASIN-3	BASE	26.75	80.42	88.00	136467	0.00	1.58	0.0	4.5
WQTV	BASIN-3	BASE	26.83	80.41	88.00	136211	0.00	1.58	0.0	4.5
WQTV	BASIN-3	BASE	26.92	80.41	88.00	135954	0.00	1.57	0.0	4.6
WQTV	BASIN-3	BASE	27.00	80.40	88.00	135698	0.00	1.57	0.0	4.6
WQTV	BASIN-3	BASE	27.08	80.40	88.00	135441	0.00	1.57	0.0	4.6
WQTV	BASIN-3	BASE	27.17	80.40	88.00	135185	0.00	1.56	0.0	4.6
WQTV	BASIN-3	BASE	27.25	80.39	88.00	134929	0.00	1.56	0.0	4.6
WQTV	BASIN-3	BASE	27.33	80.39	88.00	134672	0.00	1.56	0.0	4.6
WQTV	BASIN-3	BASE	27.42	80.39	88.00	134416	0.00	1.56	0.0	4.6
WQTV	BASIN-3	BASE	27.50	80.38	88.00	134159	0.00	1.55	0.0	4.6
WQTV	BASIN-3	BASE	27.58	80.38	88.00	133903	0.00	1.55	0.0	4.6
WQTV	BASIN-3	BASE	27.67	80.38	88.00	133646	0.00	1.55	0.0	4.7
WQTV	BASIN-3	BASE	27.75	80.37	88.00	133390	0.00	1.54	0.0	4.7
WQTV	BASIN-3	BASE	27.83	80.37	88.00	133134	0.00	1.54	0.0	4.7
WQTV	BASIN-3	BASE	27.92	80.37	88.00	132877	0.00	1.54	0.0	4.7
WQTV	BASIN-3	BASE	28.00	80.36	88.00	132621	0.00	1.53	0.0	4.7
WQTV	BASIN-3	BASE	28.08	80.36	88.00	132364	0.00	1.53	0.0	4.7
WQTV	BASIN-3	BASE	28.17	80.36	88.00	132108	0.00	1.53	0.0	4.7
WQTV	BASIN-3	BASE	28.25	80.35	88.00	131851	0.00	1.53	0.0	4.7
WQTV	BASIN-3	BASE	28.33	80.35	88.00	131595	0.00	1.52	0.0	4.7
WQTV	BASIN-3	BASE	28.42	80.35	88.00	131339	0.00	1.52	0.0	4.7
WQTV	BASIN-3	BASE	28.50	80.34	88.00	131082	0.00	1.52	0.0	4.8
WQTV	BASIN-3	BASE	28.58	80.34	88.00	130826	0.00	1.51	0.0	4.8
WQTV	BASIN-3	BASE	28.67	80.34	88.00	130569	0.00	1.51	0.0	4.8
WQTV	BASIN-3	BASE	28.75	80.33	88.00	130313	0.00	1.51	0.0	4.8
WQTV	BASIN-3	BASE	28.83	80.33	88.00	130056	0.00	1.51	0.0	4.8
WQTV	BASIN-3	BASE	28.92	80.33	88.00	129800	0.00	1.50	0.0	4.8
WQTV	BASIN-3	BASE	29.00	80.32	88.00	129544	0.00	1.50	0.0	4.8
WQTV	BASIN-3	BASE	29.08	80.32	88.00	129287	0.00	1.50	0.0	4.8
WQTV	BASIN-3	BASE	29.17	80.31	88.00	129031	0.00	1.49	0.0	4.8
WQTV	BASIN-3	BASE	29.25	80.31	88.00	128774	0.00	1.49	0.0	4.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	29.33	80.31	88.00	128518	0.00	1.49	0.0	4.9
WQTV	BASIN-3	BASE	29.42	80.30	88.00	128261	0.00	1.48	0.0	4.9
WQTV	BASIN-3	BASE	29.50	80.30	88.00	128005	0.00	1.48	0.0	4.9
WQTV	BASIN-3	BASE	29.58	80.30	88.00	127749	0.00	1.48	0.0	4.9
WQTV	BASIN-3	BASE	29.67	80.29	88.00	127492	0.00	1.48	0.0	4.9
WQTV	BASIN-3	BASE	29.75	80.29	88.00	127236	0.00	1.47	0.0	4.9
WQTV	BASIN-3	BASE	29.83	80.29	88.00	126979	0.00	1.47	0.0	4.9
WQTV	BASIN-3	BASE	29.92	80.28	88.00	126723	0.00	1.47	0.0	4.9
WQTV	BASIN-3	BASE	30.00	80.28	88.00	126466	0.00	1.46	0.0	4.9
WQTV	BASIN-3	BASE	30.08	80.28	88.00	126210	0.00	1.46	0.0	5.0
WQTV	BASIN-3	BASE	30.17	80.27	88.00	125954	0.00	1.46	0.0	5.0
WQTV	BASIN-3	BASE	30.25	80.27	88.00	125697	0.00	1.45	0.0	5.0
WQTV	BASIN-3	BASE	30.33	80.27	88.00	125441	0.00	1.45	0.0	5.0
WQTV	BASIN-3	BASE	30.42	80.26	88.00	125184	0.00	1.45	0.0	5.0
WQTV	BASIN-3	BASE	30.50	80.26	88.00	124928	0.00	1.45	0.0	5.0
WQTV	BASIN-3	BASE	30.58	80.26	88.00	124671	0.00	1.44	0.0	5.0
WQTV	BASIN-3	BASE	30.67	80.25	88.00	124415	0.00	1.44	0.0	5.0
WQTV	BASIN-3	BASE	30.75	80.25	88.00	124159	0.00	1.44	0.0	5.0
WQTV	BASIN-3	BASE	30.83	80.25	88.00	123902	0.00	1.43	0.0	5.0
WQTV	BASIN-3	BASE	30.92	80.24	88.00	123646	0.00	1.43	0.0	5.1
WQTV	BASIN-3	BASE	31.00	80.24	88.00	123389	0.00	1.43	0.0	5.1
WQTV	BASIN-3	BASE	31.08	80.23	88.00	123133	0.00	1.43	0.0	5.1
WQTV	BASIN-3	BASE	31.17	80.23	88.00	122876	0.00	1.42	0.0	5.1
WQTV	BASIN-3	BASE	31.25	80.23	88.00	122620	0.00	1.42	0.0	5.1
WQTV	BASIN-3	BASE	31.33	80.22	88.00	122364	0.00	1.42	0.0	5.1
WQTV	BASIN-3	BASE	31.42	80.22	88.00	122107	0.00	1.41	0.0	5.1
WQTV	BASIN-3	BASE	31.50	80.22	88.00	121851	0.00	1.41	0.0	5.1
WQTV	BASIN-3	BASE	31.58	80.21	88.00	121594	0.00	1.41	0.0	5.1
WQTV	BASIN-3	BASE	31.67	80.21	88.00	121338	0.00	1.40	0.0	5.1
WQTV	BASIN-3	BASE	31.75	80.21	88.00	121081	0.00	1.40	0.0	5.2
WQTV	BASIN-3	BASE	31.83	80.20	88.00	120825	0.00	1.40	0.0	5.2
WQTV	BASIN-3	BASE	31.92	80.20	88.00	120569	0.00	1.40	0.0	5.2
WQTV	BASIN-3	BASE	32.00	80.20	88.00	120312	0.00	1.39	0.0	5.2
WQTV	BASIN-3	BASE	32.08	80.19	88.00	120056	0.00	1.39	0.0	5.2
WQTV	BASIN-3	BASE	32.17	80.19	88.00	119799	0.00	1.39	0.0	5.2
WQTV	BASIN-3	BASE	32.25	80.19	88.00	119543	0.00	1.38	0.0	5.2
WQTV	BASIN-3	BASE	32.33	80.18	88.00	119286	0.00	1.38	0.0	5.2
WQTV	BASIN-3	BASE	32.42	80.18	88.00	119030	0.00	1.38	0.0	5.2
WQTV	BASIN-3	BASE	32.50	80.18	88.00	118774	0.00	1.37	0.0	5.2
WQTV	BASIN-3	BASE	32.58	80.17	88.00	118517	0.00	1.37	0.0	5.2
WQTV	BASIN-3	BASE	32.67	80.17	88.00	118261	0.00	1.37	0.0	5.3
WQTV	BASIN-3	BASE	32.75	80.17	88.00	118004	0.00	1.37	0.0	5.3
WQTV	BASIN-3	BASE	32.83	80.16	88.00	117748	0.00	1.36	0.0	5.3
WQTV	BASIN-3	BASE	32.92	80.16	88.00	117491	0.00	1.36	0.0	5.3
WQTV	BASIN-3	BASE	33.00	80.15	88.00	117235	0.00	1.36	0.0	5.3
WQTV	BASIN-3	BASE	33.08	80.15	88.00	116979	0.00	1.35	0.0	5.3
WQTV	BASIN-3	BASE	33.17	80.15	88.00	116722	0.00	1.35	0.0	5.3
WQTV	BASIN-3	BASE	33.25	80.14	88.00	116466	0.00	1.35	0.0	5.3
WQTV	BASIN-3	BASE	33.33	80.14	88.00	116209	0.00	1.35	0.0	5.3
WQTV	BASIN-3	BASE	33.42	80.14	88.00	115953	0.00	1.34	0.0	5.3
WQTV	BASIN-3	BASE	33.50	80.13	88.00	115696	0.00	1.34	0.0	5.4
WQTV	BASIN-3	BASE	33.58	80.13	88.00	115440	0.00	1.34	0.0	5.4
WQTV	BASIN-3	BASE	33.67	80.13	88.00	115184	0.00	1.33	0.0	5.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-3	BASE	33.75	80.12	88.00	114927	0.00	1.33	0.0	5.4	
WQTV	BASIN-3	BASE	33.83	80.12	88.00	114671	0.00	1.33	0.0	5.4	
WQTV	BASIN-3	BASE	33.92	80.12	88.00	114414	0.00	1.32	0.0	5.4	
WQTV	BASIN-3	BASE	34.00	80.11	88.00	114158	0.00	1.32	0.0	5.4	
WQTV	BASIN-3	BASE	34.08	80.11	88.00	113901	0.00	1.32	0.0	5.4	
WQTV	BASIN-3	BASE	34.17	80.11	88.00	113645	0.00	1.32	0.0	5.4	
WQTV	BASIN-3	BASE	34.25	80.10	88.00	113389	0.00	1.31	0.0	5.4	
WQTV	BASIN-3	BASE	34.33	80.10	88.00	113132	0.00	1.31	0.0	5.4	
WQTV	BASIN-3	BASE	34.42	80.10	88.00	112876	0.00	1.31	0.0	5.5	
WQTV	BASIN-3	BASE	34.50	80.09	88.00	112619	0.00	1.30	0.0	5.5	
WQTV	BASIN-3	BASE	34.58	80.09	88.00	112363	0.00	1.30	0.0	5.5	
WQTV	BASIN-3	BASE	34.67	80.09	88.00	112106	0.00	1.30	0.0	5.5	
WQTV	BASIN-3	BASE	34.75	80.08	88.00	111850	0.00	1.29	0.0	5.5	
WQTV	BASIN-3	BASE	34.83	80.08	88.00	111594	0.00	1.29	0.0	5.5	
WQTV	BASIN-3	BASE	34.92	80.08	88.00	111337	0.00	1.29	0.0	5.5	
WQTV	BASIN-3	BASE	35.00	80.07	88.00	111081	0.00	1.29	0.0	5.5	
WQTV	BASIN-3	BASE	35.08	80.07	88.00	110824	0.00	1.28	0.0	5.5	
WQTV	BASIN-3	BASE	35.17	80.06	88.00	110568	0.00	1.28	0.0	5.5	
WQTV	BASIN-3	BASE	35.25	80.06	88.00	110311	0.00	1.28	0.0	5.5	
WQTV	BASIN-3	BASE	35.33	80.06	88.00	110055	0.00	1.27	0.0	5.5	
WQTV	BASIN-3	BASE	35.42	80.05	88.00	109799	0.00	1.27	0.0	5.6	
WQTV	BASIN-3	BASE	35.50	80.05	88.00	109542	0.00	1.27	0.0	5.6	
WQTV	BASIN-3	BASE	35.58	80.05	88.00	109286	0.00	1.26	0.0	5.6	
WQTV	BASIN-3	BASE	35.67	80.04	88.00	109029	0.00	1.26	0.0	5.6	
WQTV	BASIN-3	BASE	35.75	80.04	88.00	108773	0.00	1.26	0.0	5.6	
WQTV	BASIN-3	BASE	35.83	80.04	88.00	108516	0.00	1.26	0.0	5.6	
WQTV	BASIN-3	BASE	35.92	80.03	88.00	108260	0.00	1.25	0.0	5.6	
WQTV	BASIN-3	BASE	36.00	80.03	88.00	108004	0.00	1.25	0.0	5.6	
WQTV	BASIN-3	BASE	36.08	80.03	88.00	107747	0.00	1.25	0.0	5.6	
WQTV	BASIN-3	BASE	36.17	80.02	88.00	107491	0.00	1.24	0.0	5.6	
WQTV	BASIN-3	BASE	36.25	80.02	88.00	107234	0.00	1.24	0.0	5.6	
WQTV	BASIN-3	BASE	36.33	80.02	88.00	106978	0.00	1.24	0.0	5.7	
WQTV	BASIN-3	BASE	36.42	80.01	88.00	106721	0.00	1.24	0.0	5.7	
WQTV	BASIN-3	BASE	36.50	80.01	88.00	106465	0.00	1.23	0.0	5.7	
WQTV	BASIN-3	BASE	36.58	80.01	88.00	106209	0.00	1.23	0.0	5.7	
WQTV	BASIN-3	BASE	36.67	80.00	88.00	105952	0.00	1.23	0.0	5.7	BASIN-3 WQTV
WQTV	BASIN-3	BASE	36.75	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	36.83	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	36.92	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.00	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.08	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.17	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.25	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.33	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.42	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.50	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.58	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.67	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.75	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.83	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.92	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	38.00	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	38.08	80.00	88.00	105790	0.00	0.00	0.0	5.7	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	77.92	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.00	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.08	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.17	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.25	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.33	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.42	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.50	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.58	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.67	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.75	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.83	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.92	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.00	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.08	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.17	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.25	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.33	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.42	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.50	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.58	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.67	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.75	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.83	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.92	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	80.00	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	80.00	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-4	BASE	0.00	85.68	87.00	207947	0.00	0.00	0.0	0.0
WQTV	BASIN-4	BASE	0.08	85.68	87.00	207882	0.00	2.41	0.0	0.0
WQTV	BASIN-4	BASE	0.17	85.67	87.00	207818	0.00	2.41	0.0	0.0
WQTV	BASIN-4	BASE	0.25	85.67	87.00	207754	0.00	2.40	0.0	0.0
WQTV	BASIN-4	BASE	0.33	85.67	87.00	207689	0.00	2.40	0.0	0.1
WQTV	BASIN-4	BASE	0.42	85.66	87.00	207625	0.00	2.40	0.0	0.1
WQTV	BASIN-4	BASE	0.50	85.66	87.00	207561	0.00	2.40	0.0	0.1
WQTV	BASIN-4	BASE	0.58	85.66	87.00	207497	0.00	2.40	0.0	0.1
WQTV	BASIN-4	BASE	0.67	85.65	87.00	207432	0.00	2.40	0.0	0.1
WQTV	BASIN-4	BASE	0.75	85.65	87.00	207368	0.00	2.40	0.0	0.1
WQTV	BASIN-4	BASE	0.83	85.65	87.00	207303	0.00	2.40	0.0	0.2
WQTV	BASIN-4	BASE	0.92	85.64	87.00	207238	0.00	2.40	0.0	0.2
WQTV	BASIN-4	BASE	1.00	85.64	87.00	207174	0.00	2.40	0.0	0.2
WQTV	BASIN-4	BASE	1.09	85.63	87.00	207109	0.00	2.40	0.0	0.2
WQTV	BASIN-4	BASE	1.17	85.63	87.00	207045	0.00	2.40	0.0	0.2
WQTV	BASIN-4	BASE	1.25	85.63	87.00	206980	0.00	2.40	0.0	0.2
WQTV	BASIN-4	BASE	1.33	85.62	87.00	206917	0.00	2.39	0.0	0.3
WQTV	BASIN-4	BASE	1.42	85.62	87.00	206853	0.00	2.39	0.0	0.3
WQTV	BASIN-4	BASE	1.50	85.62	87.00	206788	0.00	2.39	0.0	0.3
WQTV	BASIN-4	BASE	1.59	85.61	87.00	206722	0.00	2.39	0.0	0.3
WQTV	BASIN-4	BASE	1.67	85.61	87.00	206660	0.00	2.39	0.0	0.3
WQTV	BASIN-4	BASE	1.75	85.61	87.00	206594	0.00	2.39	0.0	0.3
WQTV	BASIN-4	BASE	1.83	85.60	87.00	206531	0.00	2.39	0.0	0.4
WQTV	BASIN-4	BASE	1.92	85.60	87.00	206466	0.00	2.39	0.0	0.4
WQTV	BASIN-4	BASE	2.00	85.60	87.00	206403	0.00	2.39	0.0	0.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-4	BASE	2.09	85.59	87.00	206336	0.00	2.39	0.0	0.4
WQTV	BASIN-4	BASE	2.17	85.59	87.00	206274	0.00	2.39	0.0	0.4
WQTV	BASIN-4	BASE	2.25	85.59	87.00	206209	0.00	2.39	0.0	0.4
WQTV	BASIN-4	BASE	2.34	85.58	87.00	206144	0.00	2.39	0.0	0.5
WQTV	BASIN-4	BASE	2.42	85.58	87.00	206081	0.00	2.39	0.0	0.5
WQTV	BASIN-4	BASE	2.50	85.58	87.00	206016	0.00	2.38	0.0	0.5
WQTV	BASIN-4	BASE	2.59	85.57	87.00	205951	0.00	2.38	0.0	0.5
WQTV	BASIN-4	BASE	2.67	85.57	87.00	205888	0.00	2.38	0.0	0.5
WQTV	BASIN-4	BASE	2.75	85.57	87.00	205823	0.00	2.38	0.0	0.5
WQTV	BASIN-4	BASE	2.84	85.56	87.00	205756	0.00	2.38	0.0	0.6
WQTV	BASIN-4	BASE	2.92	85.56	87.00	205695	0.00	2.38	0.0	0.6
WQTV	BASIN-4	BASE	3.00	85.55	87.00	205629	0.00	2.38	0.0	0.6
WQTV	BASIN-4	BASE	3.09	85.55	87.00	205564	0.00	2.38	0.0	0.6
WQTV	BASIN-4	BASE	3.17	85.55	87.00	205499	0.00	2.38	0.0	0.6
WQTV	BASIN-4	BASE	3.25	85.54	87.00	205437	0.00	2.38	0.0	0.6
WQTV	BASIN-4	BASE	3.34	85.54	87.00	205372	0.00	2.38	0.0	0.7
WQTV	BASIN-4	BASE	3.42	85.54	87.00	205306	0.00	2.38	0.0	0.7
WQTV	BASIN-4	BASE	3.50	85.53	87.00	205245	0.00	2.38	0.0	0.7
WQTV	BASIN-4	BASE	3.58	85.53	87.00	205180	0.00	2.37	0.0	0.7
WQTV	BASIN-4	BASE	3.67	85.53	87.00	205114	0.00	2.37	0.0	0.7
WQTV	BASIN-4	BASE	3.75	85.52	87.00	205049	0.00	2.37	0.0	0.7
WQTV	BASIN-4	BASE	3.83	85.52	87.00	204988	0.00	2.37	0.0	0.7
WQTV	BASIN-4	BASE	3.92	85.52	87.00	204921	0.00	2.37	0.0	0.8
WQTV	BASIN-4	BASE	4.01	85.51	87.00	204855	0.00	2.37	0.0	0.8
WQTV	BASIN-4	BASE	4.09	85.51	87.00	204793	0.00	2.37	0.0	0.8
WQTV	BASIN-4	BASE	4.17	85.51	87.00	204727	0.00	2.37	0.0	0.8
WQTV	BASIN-4	BASE	4.25	85.50	87.00	204666	0.00	2.37	0.0	0.8
WQTV	BASIN-4	BASE	4.34	85.50	87.00	204599	0.00	2.37	0.0	0.8
WQTV	BASIN-4	BASE	4.42	85.50	87.00	204533	0.00	2.37	0.0	0.9
WQTV	BASIN-4	BASE	4.50	85.49	87.00	204472	0.00	2.37	0.0	0.9
WQTV	BASIN-4	BASE	4.59	85.49	87.00	204405	0.00	2.37	0.0	0.9
WQTV	BASIN-4	BASE	4.67	85.49	87.00	204344	0.00	2.37	0.0	0.9
WQTV	BASIN-4	BASE	4.75	85.48	87.00	204277	0.00	2.36	0.0	0.9
WQTV	BASIN-4	BASE	4.84	85.48	87.00	204211	0.00	2.36	0.0	0.9
WQTV	BASIN-4	BASE	4.92	85.48	87.00	204150	0.00	2.36	0.0	1.0
WQTV	BASIN-4	BASE	5.01	85.47	87.00	204083	0.00	2.36	0.0	1.0
WQTV	BASIN-4	BASE	5.09	85.47	87.00	204019	0.00	2.36	0.0	1.0
WQTV	BASIN-4	BASE	5.17	85.46	87.00	203956	0.00	2.36	0.0	1.0
WQTV	BASIN-4	BASE	5.25	85.46	87.00	203892	0.00	2.36	0.0	1.0
WQTV	BASIN-4	BASE	5.34	85.46	87.00	203828	0.00	2.36	0.0	1.0
WQTV	BASIN-4	BASE	5.42	85.45	87.00	203764	0.00	2.36	0.0	1.1
WQTV	BASIN-4	BASE	5.50	85.45	87.00	203700	0.00	2.36	0.0	1.1
WQTV	BASIN-4	BASE	5.58	85.45	87.00	203636	0.00	2.36	0.0	1.1
WQTV	BASIN-4	BASE	5.67	85.44	87.00	203572	0.00	2.36	0.0	1.1
WQTV	BASIN-4	BASE	5.75	85.44	87.00	203508	0.00	2.36	0.0	1.1
WQTV	BASIN-4	BASE	5.84	85.44	87.00	203438	0.00	2.35	0.0	1.1
WQTV	BASIN-4	BASE	5.92	85.43	87.00	203374	0.00	2.35	0.0	1.2
WQTV	BASIN-4	BASE	6.01	85.43	87.00	203311	0.00	2.35	0.0	1.2
WQTV	BASIN-4	BASE	6.09	85.43	87.00	203247	0.00	2.35	0.0	1.2
WQTV	BASIN-4	BASE	6.17	85.42	87.00	203183	0.00	2.35	0.0	1.2
WQTV	BASIN-4	BASE	6.25	85.42	87.00	203119	0.00	2.35	0.0	1.2
WQTV	BASIN-4	BASE	6.34	85.42	87.00	203055	0.00	2.35	0.0	1.2
WQTV	BASIN-4	BASE	6.42	85.41	87.00	202991	0.00	2.35	0.0	1.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-4	BASE	6.50	85.41	87.00	202927	0.00	2.35	0.0	1.3
WQTV	BASIN-4	BASE	6.59	85.41	87.00	202863	0.00	2.35	0.0	1.3
WQTV	BASIN-4	BASE	6.67	85.40	87.00	202800	0.00	2.35	0.0	1.3
WQTV	BASIN-4	BASE	6.75	85.40	87.00	202736	0.00	2.35	0.0	1.3
WQTV	BASIN-4	BASE	6.83	85.40	87.00	202672	0.00	2.35	0.0	1.3
WQTV	BASIN-4	BASE	6.92	85.39	87.00	202607	0.00	2.34	0.0	1.3
WQTV	BASIN-4	BASE	7.00	85.39	87.00	202543	0.00	2.34	0.0	1.4
WQTV	BASIN-4	BASE	7.08	85.38	87.00	202479	0.00	2.34	0.0	1.4
WQTV	BASIN-4	BASE	7.17	85.38	87.00	202414	0.00	2.34	0.0	1.4
WQTV	BASIN-4	BASE	7.25	85.38	87.00	202350	0.00	2.34	0.0	1.4
WQTV	BASIN-4	BASE	7.33	85.37	87.00	202286	0.00	2.34	0.0	1.4
WQTV	BASIN-4	BASE	7.42	85.37	87.00	202221	0.00	2.34	0.0	1.4
WQTV	BASIN-4	BASE	7.50	85.37	87.00	202157	0.00	2.34	0.0	1.5
WQTV	BASIN-4	BASE	7.58	85.36	87.00	202093	0.00	2.34	0.0	1.5
WQTV	BASIN-4	BASE	7.67	85.36	87.00	202028	0.00	2.34	0.0	1.5
WQTV	BASIN-4	BASE	7.75	85.36	87.00	201964	0.00	2.34	0.0	1.5
WQTV	BASIN-4	BASE	7.83	85.35	87.00	201900	0.00	2.34	0.0	1.5
WQTV	BASIN-4	BASE	7.92	85.35	87.00	201835	0.00	2.34	0.0	1.5
WQTV	BASIN-4	BASE	8.00	85.35	87.00	201771	0.00	2.34	0.0	1.6
WQTV	BASIN-4	BASE	8.08	85.34	87.00	201707	0.00	2.33	0.0	1.6
WQTV	BASIN-4	BASE	8.17	85.34	87.00	201642	0.00	2.33	0.0	1.6
WQTV	BASIN-4	BASE	8.25	85.34	87.00	201578	0.00	2.33	0.0	1.6
WQTV	BASIN-4	BASE	8.33	85.33	87.00	201514	0.00	2.33	0.0	1.6
WQTV	BASIN-4	BASE	8.42	85.33	87.00	201449	0.00	2.33	0.0	1.6
WQTV	BASIN-4	BASE	8.50	85.33	87.00	201385	0.00	2.33	0.0	1.7
WQTV	BASIN-4	BASE	8.58	85.32	87.00	201321	0.00	2.33	0.0	1.7
WQTV	BASIN-4	BASE	8.67	85.32	87.00	201256	0.00	2.33	0.0	1.7
WQTV	BASIN-4	BASE	8.75	85.32	87.00	201192	0.00	2.33	0.0	1.7
WQTV	BASIN-4	BASE	8.83	85.31	87.00	201128	0.00	2.33	0.0	1.7
WQTV	BASIN-4	BASE	8.92	85.31	87.00	201064	0.00	2.33	0.0	1.7
WQTV	BASIN-4	BASE	9.00	85.30	87.00	200999	0.00	2.33	0.0	1.8
WQTV	BASIN-4	BASE	9.08	85.30	87.00	200935	0.00	2.33	0.0	1.8
WQTV	BASIN-4	BASE	9.17	85.30	87.00	200871	0.00	2.32	0.0	1.8
WQTV	BASIN-4	BASE	9.25	85.29	87.00	200806	0.00	2.32	0.0	1.8
WQTV	BASIN-4	BASE	9.33	85.29	87.00	200742	0.00	2.32	0.0	1.8
WQTV	BASIN-4	BASE	9.42	85.29	87.00	200678	0.00	2.32	0.0	1.8
WQTV	BASIN-4	BASE	9.50	85.28	87.00	200613	0.00	2.32	0.0	1.8
WQTV	BASIN-4	BASE	9.58	85.28	87.00	200549	0.00	2.32	0.0	1.9
WQTV	BASIN-4	BASE	9.67	85.28	87.00	200485	0.00	2.32	0.0	1.9
WQTV	BASIN-4	BASE	9.75	85.27	87.00	200420	0.00	2.32	0.0	1.9
WQTV	BASIN-4	BASE	9.83	85.27	87.00	200356	0.00	2.32	0.0	1.9
WQTV	BASIN-4	BASE	9.92	85.27	87.00	200292	0.00	2.32	0.0	1.9
WQTV	BASIN-4	BASE	10.00	85.26	87.00	200227	0.00	2.32	0.0	1.9
WQTV	BASIN-4	BASE	10.08	85.26	87.00	200163	0.00	2.32	0.0	2.0
WQTV	BASIN-4	BASE	10.17	85.26	87.00	200099	0.00	2.32	0.0	2.0
WQTV	BASIN-4	BASE	10.25	85.25	87.00	200034	0.00	2.32	0.0	2.0
WQTV	BASIN-4	BASE	10.33	85.25	87.00	199970	0.00	2.31	0.0	2.0
WQTV	BASIN-4	BASE	10.42	85.25	87.00	199906	0.00	2.31	0.0	2.0
WQTV	BASIN-4	BASE	10.50	85.24	87.00	199841	0.00	2.31	0.0	2.0
WQTV	BASIN-4	BASE	10.58	85.24	87.00	199777	0.00	2.31	0.0	2.1
WQTV	BASIN-4	BASE	10.67	85.24	87.00	199713	0.00	2.31	0.0	2.1
WQTV	BASIN-4	BASE	10.75	85.23	87.00	199648	0.00	2.31	0.0	2.1
WQTV	BASIN-4	BASE	10.83	85.23	87.00	199584	0.00	2.31	0.0	2.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-4	BASE	10.92	85.23	87.00	199520	0.00	2.31	0.0	2.1
WQTV	BASIN-4	BASE	11.00	85.22	87.00	199455	0.00	2.31	0.0	2.1
WQTV	BASIN-4	BASE	11.08	85.22	87.00	199391	0.00	2.31	0.0	2.2
WQTV	BASIN-4	BASE	11.17	85.21	87.00	199327	0.00	2.31	0.0	2.2
WQTV	BASIN-4	BASE	11.25	85.21	87.00	199262	0.00	2.31	0.0	2.2
WQTV	BASIN-4	BASE	11.33	85.21	87.00	199198	0.00	2.31	0.0	2.2
WQTV	BASIN-4	BASE	11.42	85.20	87.00	199134	0.00	2.30	0.0	2.2
WQTV	BASIN-4	BASE	11.50	85.20	87.00	199069	0.00	2.30	0.0	2.2
WQTV	BASIN-4	BASE	11.58	85.20	87.00	199005	0.00	2.30	0.0	2.2
WQTV	BASIN-4	BASE	11.67	85.19	87.00	198941	0.00	2.30	0.0	2.3
WQTV	BASIN-4	BASE	11.75	85.19	87.00	198876	0.00	2.30	0.0	2.3
WQTV	BASIN-4	BASE	11.83	85.19	87.00	198812	0.00	2.30	0.0	2.3
WQTV	BASIN-4	BASE	11.92	85.18	87.00	198748	0.00	2.30	0.0	2.3
WQTV	BASIN-4	BASE	12.00	85.18	87.00	198683	0.00	2.30	0.0	2.3
WQTV	BASIN-4	BASE	12.08	85.18	87.00	198619	0.00	2.30	0.0	2.3
WQTV	BASIN-4	BASE	12.17	85.17	87.00	198555	0.00	2.30	0.0	2.4
WQTV	BASIN-4	BASE	12.25	85.17	87.00	198490	0.00	2.30	0.0	2.4
WQTV	BASIN-4	BASE	12.33	85.17	87.00	198426	0.00	2.30	0.0	2.4
WQTV	BASIN-4	BASE	12.42	85.16	87.00	198362	0.00	2.30	0.0	2.4
WQTV	BASIN-4	BASE	12.50	85.16	87.00	198297	0.00	2.30	0.0	2.4
WQTV	BASIN-4	BASE	12.58	85.16	87.00	198233	0.00	2.29	0.0	2.4
WQTV	BASIN-4	BASE	12.67	85.15	87.00	198169	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	12.75	85.15	87.00	198104	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	12.83	85.15	87.00	198040	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	12.92	85.14	87.00	197976	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	13.00	85.14	87.00	197911	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	13.08	85.13	87.00	197847	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	13.17	85.13	87.00	197783	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	13.25	85.13	87.00	197719	0.00	2.29	0.0	2.6
WQTV	BASIN-4	BASE	13.33	85.12	87.00	197654	0.00	2.29	0.0	2.6
WQTV	BASIN-4	BASE	13.42	85.12	87.00	197590	0.00	2.29	0.0	2.6
WQTV	BASIN-4	BASE	13.50	85.12	87.00	197526	0.00	2.29	0.0	2.6
WQTV	BASIN-4	BASE	13.58	85.11	87.00	197461	0.00	2.29	0.0	2.6
WQTV	BASIN-4	BASE	13.67	85.11	87.00	197397	0.00	2.28	0.0	2.6
WQTV	BASIN-4	BASE	13.75	85.11	87.00	197333	0.00	2.28	0.0	2.7
WQTV	BASIN-4	BASE	13.83	85.10	87.00	197268	0.00	2.28	0.0	2.7
WQTV	BASIN-4	BASE	13.92	85.10	87.00	197204	0.00	2.28	0.0	2.7
WQTV	BASIN-4	BASE	14.00	85.10	87.00	197140	0.00	2.28	0.0	2.7
WQTV	BASIN-4	BASE	14.08	85.09	87.00	197075	0.00	2.28	0.0	2.7
WQTV	BASIN-4	BASE	14.17	85.09	87.00	197011	0.00	2.28	0.0	2.7
WQTV	BASIN-4	BASE	14.25	85.09	87.00	196947	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.33	85.08	87.00	196882	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.42	85.08	87.00	196818	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.50	85.08	87.00	196754	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.58	85.07	87.00	196689	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.67	85.07	87.00	196625	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.75	85.07	87.00	196561	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.83	85.06	87.00	196496	0.00	2.27	0.0	2.9
WQTV	BASIN-4	BASE	14.92	85.06	87.00	196432	0.00	2.27	0.0	2.9
WQTV	BASIN-4	BASE	15.00	85.05	87.00	196368	0.00	2.27	0.0	2.9
WQTV	BASIN-4	BASE	15.08	85.05	87.00	196303	0.00	2.27	0.0	2.9
WQTV	BASIN-4	BASE	15.17	85.05	87.00	196239	0.00	2.27	0.0	2.9
WQTV	BASIN-4	BASE	15.25	85.04	87.00	196175	0.00	2.27	0.0	2.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-4	BASE	15.33	85.04	87.00	196110	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.42	85.04	87.00	196046	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.50	85.03	87.00	195982	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.58	85.03	87.00	195917	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.67	85.03	87.00	195853	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.75	85.02	87.00	195789	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.83	85.02	87.00	195724	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.92	85.02	87.00	195660	0.00	2.26	0.0	3.1	
WQTV	BASIN-4	BASE	16.00	85.01	87.00	195596	0.00	2.26	0.0	3.1	
WQTV	BASIN-4	BASE	16.08	85.01	87.00	195531	0.00	2.26	0.0	3.1	
WQTV	BASIN-4	BASE	16.17	85.01	87.00	195467	0.00	2.26	0.0	3.1	
WQTV	BASIN-4	BASE	16.25	85.00	87.00	195403	0.00	2.26	0.0	3.1	BASIN-4 WQTV
WQTV	BASIN-4	BASE	16.33	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.42	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.50	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.58	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.67	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.75	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.83	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.92	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.00	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.08	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.17	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.25	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.33	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.42	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.50	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.58	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.67	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.75	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.83	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.92	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.00	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.08	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.17	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.25	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.33	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.42	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.50	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.58	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.67	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.75	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.83	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.92	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.00	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.08	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.17	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.25	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.33	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.42	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.50	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.58	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.67	85.00	87.00	195349	0.00	0.00	0.0	3.1	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-4	BASE	77.17	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.25	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.33	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.42	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.50	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.58	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.67	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.75	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.83	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.92	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.00	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.08	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.17	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.25	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.33	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.42	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.50	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.58	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.67	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.75	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.83	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.92	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.00	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.08	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.17	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.25	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.33	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.42	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.50	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.58	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.67	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.75	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.83	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.92	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	80.00	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	80.00	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-5	BASE	0.00	87.76	89.00	510593	0.00	0.00	0.0	0.0
WQTV	BASIN-5	BASE	0.08	87.76	89.00	510447	0.00	5.91	0.0	0.0
WQTV	BASIN-5	BASE	0.17	87.75	89.00	510303	0.00	5.91	0.0	0.1
WQTV	BASIN-5	BASE	0.25	87.75	89.00	510158	0.00	5.90	0.0	0.1
WQTV	BASIN-5	BASE	0.33	87.75	89.00	510013	0.00	5.90	0.0	0.1
WQTV	BASIN-5	BASE	0.42	87.74	89.00	509869	0.00	5.90	0.0	0.2
WQTV	BASIN-5	BASE	0.50	87.74	89.00	509724	0.00	5.90	0.0	0.2
WQTV	BASIN-5	BASE	0.58	87.74	89.00	509579	0.00	5.90	0.0	0.3
WQTV	BASIN-5	BASE	0.67	87.73	89.00	509435	0.00	5.90	0.0	0.3
WQTV	BASIN-5	BASE	0.75	87.73	89.00	509290	0.00	5.89	0.0	0.3
WQTV	BASIN-5	BASE	0.83	87.73	89.00	509145	0.00	5.89	0.0	0.4
WQTV	BASIN-5	BASE	0.92	87.72	89.00	508998	0.00	5.89	0.0	0.4
WQTV	BASIN-5	BASE	1.00	87.72	89.00	508854	0.00	5.89	0.0	0.5
WQTV	BASIN-5	BASE	1.09	87.71	89.00	508707	0.00	5.89	0.0	0.5
WQTV	BASIN-5	BASE	1.17	87.71	89.00	508563	0.00	5.89	0.0	0.5
WQTV	BASIN-5	BASE	1.25	87.71	89.00	508417	0.00	5.88	0.0	0.6

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-5	BASE	1.33	87.70	89.00	508276	0.00	5.88	0.0	0.6
WQTV	BASIN-5	BASE	1.42	87.70	89.00	508130	0.00	5.88	0.0	0.7
WQTV	BASIN-5	BASE	1.50	87.70	89.00	507984	0.00	5.88	0.0	0.7
WQTV	BASIN-5	BASE	1.59	87.69	89.00	507837	0.00	5.88	0.0	0.8
WQTV	BASIN-5	BASE	1.67	87.69	89.00	507696	0.00	5.88	0.0	0.8
WQTV	BASIN-5	BASE	1.75	87.69	89.00	507548	0.00	5.87	0.0	0.8
WQTV	BASIN-5	BASE	1.83	87.68	89.00	507407	0.00	5.87	0.0	0.9
WQTV	BASIN-5	BASE	1.92	87.68	89.00	507260	0.00	5.87	0.0	0.9
WQTV	BASIN-5	BASE	2.00	87.68	89.00	507119	0.00	5.87	0.0	1.0
WQTV	BASIN-5	BASE	2.09	87.67	89.00	506969	0.00	5.87	0.0	1.0
WQTV	BASIN-5	BASE	2.17	87.67	89.00	506829	0.00	5.87	0.0	1.0
WQTV	BASIN-5	BASE	2.25	87.67	89.00	506682	0.00	5.86	0.0	1.1
WQTV	BASIN-5	BASE	2.34	87.66	89.00	506534	0.00	5.86	0.0	1.1
WQTV	BASIN-5	BASE	2.42	87.66	89.00	506395	0.00	5.86	0.0	1.2
WQTV	BASIN-5	BASE	2.50	87.66	89.00	506247	0.00	5.86	0.0	1.2
WQTV	BASIN-5	BASE	2.59	87.65	89.00	506100	0.00	5.86	0.0	1.2
WQTV	BASIN-5	BASE	2.67	87.65	89.00	505960	0.00	5.86	0.0	1.3
WQTV	BASIN-5	BASE	2.75	87.65	89.00	505813	0.00	5.85	0.0	1.3
WQTV	BASIN-5	BASE	2.84	87.64	89.00	505662	0.00	5.85	0.0	1.4
WQTV	BASIN-5	BASE	2.92	87.64	89.00	505524	0.00	5.85	0.0	1.4
WQTV	BASIN-5	BASE	3.00	87.63	89.00	505377	0.00	5.85	0.0	1.4
WQTV	BASIN-5	BASE	3.09	87.63	89.00	505230	0.00	5.85	0.0	1.5
WQTV	BASIN-5	BASE	3.17	87.63	89.00	505083	0.00	5.85	0.0	1.5
WQTV	BASIN-5	BASE	3.25	87.62	89.00	504945	0.00	5.84	0.0	1.6
WQTV	BASIN-5	BASE	3.34	87.62	89.00	504798	0.00	5.84	0.0	1.6
WQTV	BASIN-5	BASE	3.42	87.62	89.00	504651	0.00	5.84	0.0	1.6
WQTV	BASIN-5	BASE	3.50	87.61	89.00	504513	0.00	5.84	0.0	1.7
WQTV	BASIN-5	BASE	3.58	87.61	89.00	504365	0.00	5.84	0.0	1.7
WQTV	BASIN-5	BASE	3.67	87.61	89.00	504218	0.00	5.84	0.0	1.8
WQTV	BASIN-5	BASE	3.75	87.60	89.00	504071	0.00	5.83	0.0	1.8
WQTV	BASIN-5	BASE	3.83	87.60	89.00	503933	0.00	5.83	0.0	1.8
WQTV	BASIN-5	BASE	3.92	87.60	89.00	503784	0.00	5.83	0.0	1.9
WQTV	BASIN-5	BASE	4.01	87.59	89.00	503634	0.00	5.83	0.0	1.9
WQTV	BASIN-5	BASE	4.09	87.59	89.00	503496	0.00	5.83	0.0	2.0
WQTV	BASIN-5	BASE	4.17	87.59	89.00	503347	0.00	5.83	0.0	2.0
WQTV	BASIN-5	BASE	4.25	87.58	89.00	503209	0.00	5.82	0.0	2.0
WQTV	BASIN-5	BASE	4.34	87.58	89.00	503059	0.00	5.82	0.0	2.1
WQTV	BASIN-5	BASE	4.42	87.58	89.00	502910	0.00	5.82	0.0	2.1
WQTV	BASIN-5	BASE	4.50	87.57	89.00	502772	0.00	5.82	0.0	2.2
WQTV	BASIN-5	BASE	4.59	87.57	89.00	502622	0.00	5.82	0.0	2.2
WQTV	BASIN-5	BASE	4.67	87.57	89.00	502484	0.00	5.82	0.0	2.2
WQTV	BASIN-5	BASE	4.75	87.56	89.00	502335	0.00	5.81	0.0	2.3
WQTV	BASIN-5	BASE	4.84	87.56	89.00	502185	0.00	5.81	0.0	2.3
WQTV	BASIN-5	BASE	4.92	87.56	89.00	502047	0.00	5.81	0.0	2.4
WQTV	BASIN-5	BASE	5.01	87.55	89.00	501898	0.00	5.81	0.0	2.4
WQTV	BASIN-5	BASE	5.09	87.55	89.00	501754	0.00	5.81	0.0	2.4
WQTV	BASIN-5	BASE	5.17	87.54	89.00	501611	0.00	5.81	0.0	2.5
WQTV	BASIN-5	BASE	5.25	87.54	89.00	501467	0.00	5.80	0.0	2.5
WQTV	BASIN-5	BASE	5.34	87.54	89.00	501323	0.00	5.80	0.0	2.6
WQTV	BASIN-5	BASE	5.42	87.53	89.00	501179	0.00	5.80	0.0	2.6
WQTV	BASIN-5	BASE	5.50	87.53	89.00	501036	0.00	5.80	0.0	2.6
WQTV	BASIN-5	BASE	5.58	87.53	89.00	500892	0.00	5.80	0.0	2.7
WQTV	BASIN-5	BASE	5.67	87.52	89.00	500748	0.00	5.80	0.0	2.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-5	BASE	5.75	87.52	89.00	500604	0.00	5.79	0.0	2.8
WQTV	BASIN-5	BASE	5.84	87.52	89.00	500446	0.00	5.79	0.0	2.8
WQTV	BASIN-5	BASE	5.92	87.51	89.00	500303	0.00	5.79	0.0	2.8
WQTV	BASIN-5	BASE	6.01	87.51	89.00	500159	0.00	5.79	0.0	2.9
WQTV	BASIN-5	BASE	6.09	87.51	89.00	500015	0.00	5.79	0.0	2.9
WQTV	BASIN-5	BASE	6.17	87.50	89.00	499871	0.00	5.79	0.0	3.0
WQTV	BASIN-5	BASE	6.25	87.50	89.00	499728	0.00	5.78	0.0	3.0
WQTV	BASIN-5	BASE	6.34	87.50	89.00	499584	0.00	5.78	0.0	3.0
WQTV	BASIN-5	BASE	6.42	87.49	89.00	499440	0.00	5.78	0.0	3.1
WQTV	BASIN-5	BASE	6.50	87.49	89.00	499297	0.00	5.78	0.0	3.1
WQTV	BASIN-5	BASE	6.59	87.49	89.00	499153	0.00	5.78	0.0	3.2
WQTV	BASIN-5	BASE	6.67	87.48	89.00	499009	0.00	5.78	0.0	3.2
WQTV	BASIN-5	BASE	6.75	87.48	89.00	498865	0.00	5.77	0.0	3.2
WQTV	BASIN-5	BASE	6.83	87.48	89.00	498721	0.00	5.77	0.0	3.3
WQTV	BASIN-5	BASE	6.92	87.47	89.00	498577	0.00	5.77	0.0	3.3
WQTV	BASIN-5	BASE	7.00	87.47	89.00	498432	0.00	5.77	0.0	3.4
WQTV	BASIN-5	BASE	7.08	87.46	89.00	498287	0.00	5.77	0.0	3.4
WQTV	BASIN-5	BASE	7.17	87.46	89.00	498142	0.00	5.77	0.0	3.4
WQTV	BASIN-5	BASE	7.25	87.46	89.00	497997	0.00	5.76	0.0	3.5
WQTV	BASIN-5	BASE	7.33	87.45	89.00	497853	0.00	5.76	0.0	3.5
WQTV	BASIN-5	BASE	7.42	87.45	89.00	497708	0.00	5.76	0.0	3.6
WQTV	BASIN-5	BASE	7.50	87.45	89.00	497563	0.00	5.76	0.0	3.6
WQTV	BASIN-5	BASE	7.58	87.44	89.00	497418	0.00	5.76	0.0	3.6
WQTV	BASIN-5	BASE	7.67	87.44	89.00	497274	0.00	5.76	0.0	3.7
WQTV	BASIN-5	BASE	7.75	87.44	89.00	497129	0.00	5.75	0.0	3.7
WQTV	BASIN-5	BASE	7.83	87.43	89.00	496984	0.00	5.75	0.0	3.8
WQTV	BASIN-5	BASE	7.92	87.43	89.00	496839	0.00	5.75	0.0	3.8
WQTV	BASIN-5	BASE	8.00	87.43	89.00	496695	0.00	5.75	0.0	3.8
WQTV	BASIN-5	BASE	8.08	87.42	89.00	496550	0.00	5.75	0.0	3.9
WQTV	BASIN-5	BASE	8.17	87.42	89.00	496405	0.00	5.75	0.0	3.9
WQTV	BASIN-5	BASE	8.25	87.42	89.00	496260	0.00	5.74	0.0	4.0
WQTV	BASIN-5	BASE	8.33	87.41	89.00	496116	0.00	5.74	0.0	4.0
WQTV	BASIN-5	BASE	8.42	87.41	89.00	495971	0.00	5.74	0.0	4.0
WQTV	BASIN-5	BASE	8.50	87.41	89.00	495826	0.00	5.74	0.0	4.1
WQTV	BASIN-5	BASE	8.58	87.40	89.00	495681	0.00	5.74	0.0	4.1
WQTV	BASIN-5	BASE	8.67	87.40	89.00	495537	0.00	5.74	0.0	4.2
WQTV	BASIN-5	BASE	8.75	87.40	89.00	495392	0.00	5.73	0.0	4.2
WQTV	BASIN-5	BASE	8.83	87.39	89.00	495247	0.00	5.73	0.0	4.2
WQTV	BASIN-5	BASE	8.92	87.39	89.00	495102	0.00	5.73	0.0	4.3
WQTV	BASIN-5	BASE	9.00	87.38	89.00	494957	0.00	5.73	0.0	4.3
WQTV	BASIN-5	BASE	9.08	87.38	89.00	494813	0.00	5.73	0.0	4.3
WQTV	BASIN-5	BASE	9.17	87.38	89.00	494668	0.00	5.73	0.0	4.4
WQTV	BASIN-5	BASE	9.25	87.37	89.00	494523	0.00	5.72	0.0	4.4
WQTV	BASIN-5	BASE	9.33	87.37	89.00	494378	0.00	5.72	0.0	4.5
WQTV	BASIN-5	BASE	9.42	87.37	89.00	494234	0.00	5.72	0.0	4.5
WQTV	BASIN-5	BASE	9.50	87.36	89.00	494089	0.00	5.72	0.0	4.5
WQTV	BASIN-5	BASE	9.58	87.36	89.00	493944	0.00	5.72	0.0	4.6
WQTV	BASIN-5	BASE	9.67	87.36	89.00	493799	0.00	5.72	0.0	4.6
WQTV	BASIN-5	BASE	9.75	87.35	89.00	493655	0.00	5.71	0.0	4.7
WQTV	BASIN-5	BASE	9.83	87.35	89.00	493510	0.00	5.71	0.0	4.7
WQTV	BASIN-5	BASE	9.92	87.35	89.00	493365	0.00	5.71	0.0	4.7
WQTV	BASIN-5	BASE	10.00	87.34	89.00	493220	0.00	5.71	0.0	4.8
WQTV	BASIN-5	BASE	10.08	87.34	89.00	493076	0.00	5.71	0.0	4.8

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-5	BASE	10.17	87.34	89.00	492931	0.00	5.71	0.0	4.9
WQTV	BASIN-5	BASE	10.25	87.33	89.00	492786	0.00	5.70	0.0	4.9
WQTV	BASIN-5	BASE	10.33	87.33	89.00	492641	0.00	5.70	0.0	4.9
WQTV	BASIN-5	BASE	10.42	87.33	89.00	492497	0.00	5.70	0.0	5.0
WQTV	BASIN-5	BASE	10.50	87.32	89.00	492352	0.00	5.70	0.0	5.0
WQTV	BASIN-5	BASE	10.58	87.32	89.00	492207	0.00	5.70	0.0	5.1
WQTV	BASIN-5	BASE	10.67	87.32	89.00	492062	0.00	5.70	0.0	5.1
WQTV	BASIN-5	BASE	10.75	87.31	89.00	491917	0.00	5.69	0.0	5.1
WQTV	BASIN-5	BASE	10.83	87.31	89.00	491773	0.00	5.69	0.0	5.2
WQTV	BASIN-5	BASE	10.92	87.31	89.00	491628	0.00	5.69	0.0	5.2
WQTV	BASIN-5	BASE	11.00	87.30	89.00	491483	0.00	5.69	0.0	5.3
WQTV	BASIN-5	BASE	11.08	87.30	89.00	491338	0.00	5.69	0.0	5.3
WQTV	BASIN-5	BASE	11.17	87.29	89.00	491194	0.00	5.69	0.0	5.3
WQTV	BASIN-5	BASE	11.25	87.29	89.00	491049	0.00	5.68	0.0	5.4
WQTV	BASIN-5	BASE	11.33	87.29	89.00	490904	0.00	5.68	0.0	5.4
WQTV	BASIN-5	BASE	11.42	87.28	89.00	490759	0.00	5.68	0.0	5.4
WQTV	BASIN-5	BASE	11.50	87.28	89.00	490615	0.00	5.68	0.0	5.5
WQTV	BASIN-5	BASE	11.58	87.28	89.00	490470	0.00	5.68	0.0	5.5
WQTV	BASIN-5	BASE	11.67	87.27	89.00	490325	0.00	5.68	0.0	5.6
WQTV	BASIN-5	BASE	11.75	87.27	89.00	490180	0.00	5.67	0.0	5.6
WQTV	BASIN-5	BASE	11.83	87.27	89.00	490036	0.00	5.67	0.0	5.6
WQTV	BASIN-5	BASE	11.92	87.26	89.00	489891	0.00	5.67	0.0	5.7
WQTV	BASIN-5	BASE	12.00	87.26	89.00	489746	0.00	5.67	0.0	5.7
WQTV	BASIN-5	BASE	12.08	87.26	89.00	489601	0.00	5.67	0.0	5.8
WQTV	BASIN-5	BASE	12.17	87.25	89.00	489457	0.00	5.67	0.0	5.8
WQTV	BASIN-5	BASE	12.25	87.25	89.00	489312	0.00	5.66	0.0	5.8
WQTV	BASIN-5	BASE	12.33	87.25	89.00	489167	0.00	5.66	0.0	5.9
WQTV	BASIN-5	BASE	12.42	87.24	89.00	489022	0.00	5.66	0.0	5.9
WQTV	BASIN-5	BASE	12.50	87.24	89.00	488877	0.00	5.66	0.0	6.0
WQTV	BASIN-5	BASE	12.58	87.24	89.00	488733	0.00	5.66	0.0	6.0
WQTV	BASIN-5	BASE	12.67	87.23	89.00	488588	0.00	5.65	0.0	6.0
WQTV	BASIN-5	BASE	12.75	87.23	89.00	488443	0.00	5.65	0.0	6.1
WQTV	BASIN-5	BASE	12.83	87.23	89.00	488298	0.00	5.65	0.0	6.1
WQTV	BASIN-5	BASE	12.92	87.22	89.00	488154	0.00	5.65	0.0	6.1
WQTV	BASIN-5	BASE	13.00	87.22	89.00	488009	0.00	5.65	0.0	6.2
WQTV	BASIN-5	BASE	13.08	87.21	89.00	487864	0.00	5.65	0.0	6.2
WQTV	BASIN-5	BASE	13.17	87.21	89.00	487719	0.00	5.64	0.0	6.3
WQTV	BASIN-5	BASE	13.25	87.21	89.00	487575	0.00	5.64	0.0	6.3
WQTV	BASIN-5	BASE	13.33	87.20	89.00	487430	0.00	5.64	0.0	6.3
WQTV	BASIN-5	BASE	13.42	87.20	89.00	487285	0.00	5.64	0.0	6.4
WQTV	BASIN-5	BASE	13.50	87.20	89.00	487140	0.00	5.64	0.0	6.4
WQTV	BASIN-5	BASE	13.58	87.19	89.00	486996	0.00	5.64	0.0	6.5
WQTV	BASIN-5	BASE	13.67	87.19	89.00	486851	0.00	5.63	0.0	6.5
WQTV	BASIN-5	BASE	13.75	87.19	89.00	486706	0.00	5.63	0.0	6.5
WQTV	BASIN-5	BASE	13.83	87.18	89.00	486561	0.00	5.63	0.0	6.6
WQTV	BASIN-5	BASE	13.92	87.18	89.00	486417	0.00	5.63	0.0	6.6
WQTV	BASIN-5	BASE	14.00	87.18	89.00	486272	0.00	5.63	0.0	6.7
WQTV	BASIN-5	BASE	14.08	87.17	89.00	486127	0.00	5.63	0.0	6.7
WQTV	BASIN-5	BASE	14.17	87.17	89.00	485982	0.00	5.62	0.0	6.7
WQTV	BASIN-5	BASE	14.25	87.17	89.00	485838	0.00	5.62	0.0	6.8
WQTV	BASIN-5	BASE	14.33	87.16	89.00	485693	0.00	5.62	0.0	6.8
WQTV	BASIN-5	BASE	14.42	87.16	89.00	485548	0.00	5.62	0.0	6.8
WQTV	BASIN-5	BASE	14.50	87.16	89.00	485403	0.00	5.62	0.0	6.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-5	BASE	14.58	87.15	89.00	485258	0.00	5.62	0.0	6.9	
WQTV	BASIN-5	BASE	14.67	87.15	89.00	485114	0.00	5.61	0.0	7.0	
WQTV	BASIN-5	BASE	14.75	87.15	89.00	484969	0.00	5.61	0.0	7.0	
WQTV	BASIN-5	BASE	14.83	87.14	89.00	484824	0.00	5.61	0.0	7.0	
WQTV	BASIN-5	BASE	14.92	87.14	89.00	484679	0.00	5.61	0.0	7.1	
WQTV	BASIN-5	BASE	15.00	87.13	89.00	484535	0.00	5.61	0.0	7.1	
WQTV	BASIN-5	BASE	15.08	87.13	89.00	484390	0.00	5.61	0.0	7.2	
WQTV	BASIN-5	BASE	15.17	87.13	89.00	484245	0.00	5.60	0.0	7.2	
WQTV	BASIN-5	BASE	15.25	87.12	89.00	484100	0.00	5.60	0.0	7.2	
WQTV	BASIN-5	BASE	15.33	87.12	89.00	483956	0.00	5.60	0.0	7.3	
WQTV	BASIN-5	BASE	15.42	87.12	89.00	483811	0.00	5.60	0.0	7.3	
WQTV	BASIN-5	BASE	15.50	87.11	89.00	483666	0.00	5.60	0.0	7.4	
WQTV	BASIN-5	BASE	15.58	87.11	89.00	483521	0.00	5.60	0.0	7.4	
WQTV	BASIN-5	BASE	15.67	87.11	89.00	483377	0.00	5.59	0.0	7.4	
WQTV	BASIN-5	BASE	15.75	87.10	89.00	483232	0.00	5.59	0.0	7.5	
WQTV	BASIN-5	BASE	15.83	87.10	89.00	483087	0.00	5.59	0.0	7.5	
WQTV	BASIN-5	BASE	15.92	87.10	89.00	482942	0.00	5.59	0.0	7.5	
WQTV	BASIN-5	BASE	16.00	87.09	89.00	482798	0.00	5.59	0.0	7.6	
WQTV	BASIN-5	BASE	16.08	87.09	89.00	482653	0.00	5.59	0.0	7.6	
WQTV	BASIN-5	BASE	16.17	87.09	89.00	482508	0.00	5.58	0.0	7.7	
WQTV	BASIN-5	BASE	16.25	87.08	89.00	482363	0.00	5.58	0.0	7.7	
WQTV	BASIN-5	BASE	16.33	87.08	89.00	482218	0.00	5.58	0.0	7.7	
WQTV	BASIN-5	BASE	16.42	87.08	89.00	482074	0.00	5.58	0.0	7.8	
WQTV	BASIN-5	BASE	16.50	87.07	89.00	481929	0.00	5.58	0.0	7.8	
WQTV	BASIN-5	BASE	16.58	87.07	89.00	481784	0.00	5.58	0.0	7.9	
WQTV	BASIN-5	BASE	16.67	87.07	89.00	481639	0.00	5.57	0.0	7.9	
WQTV	BASIN-5	BASE	16.75	87.06	89.00	481495	0.00	5.57	0.0	7.9	
WQTV	BASIN-5	BASE	16.83	87.06	89.00	481350	0.00	5.57	0.0	8.0	
WQTV	BASIN-5	BASE	16.92	87.06	89.00	481205	0.00	5.57	0.0	8.0	
WQTV	BASIN-5	BASE	17.00	87.05	89.00	481060	0.00	5.57	0.0	8.0	
WQTV	BASIN-5	BASE	17.08	87.05	89.00	480916	0.00	5.57	0.0	8.1	
WQTV	BASIN-5	BASE	17.17	87.04	89.00	480771	0.00	5.56	0.0	8.1	
WQTV	BASIN-5	BASE	17.25	87.04	89.00	480626	0.00	5.56	0.0	8.2	
WQTV	BASIN-5	BASE	17.33	87.04	89.00	480481	0.00	5.56	0.0	8.2	
WQTV	BASIN-5	BASE	17.42	87.03	89.00	480337	0.00	5.56	0.0	8.2	
WQTV	BASIN-5	BASE	17.50	87.03	89.00	480192	0.00	5.56	0.0	8.3	
WQTV	BASIN-5	BASE	17.58	87.03	89.00	480047	0.00	5.56	0.0	8.3	
WQTV	BASIN-5	BASE	17.67	87.02	89.00	479902	0.00	5.55	0.0	8.3	
WQTV	BASIN-5	BASE	17.75	87.02	89.00	479758	0.00	5.55	0.0	8.4	
WQTV	BASIN-5	BASE	17.83	87.02	89.00	479613	0.00	5.55	0.0	8.4	
WQTV	BASIN-5	BASE	17.92	87.01	89.00	479468	0.00	5.55	0.0	8.5	
WQTV	BASIN-5	BASE	18.00	87.01	89.00	479323	0.00	5.55	0.0	8.5	
WQTV	BASIN-5	BASE	18.08	87.01	89.00	479178	0.00	5.55	0.0	8.5	
WQTV	BASIN-5	BASE	18.17	87.00	89.00	479034	0.00	5.54	0.0	8.6	BASIN-5 WQTV
WQTV	BASIN-5	BASE	18.25	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.33	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.42	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.50	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.58	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.67	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.75	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.83	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.92	87.00	89.00	478907	0.00	0.00	0.0	8.6	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-5	BASE	76.42	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	76.50	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	76.58	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	76.67	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	76.75	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	76.83	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	76.92	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.00	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.08	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.17	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.25	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.33	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.42	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.50	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.58	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.67	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.75	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.83	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.92	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.00	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.08	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.17	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.25	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.33	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.42	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.50	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.58	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.67	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.75	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.83	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.92	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.00	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.08	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.17	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.25	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.33	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.42	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.50	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.58	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.67	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.75	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.83	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.92	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	80.00	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	80.00	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-6	BASE	0.00	85.28	87.00	390330	0.00	0.00	0.0	0.0
WQTV	BASIN-6	BASE	0.08	85.28	87.00	390239	0.00	4.52	0.0	0.0
WQTV	BASIN-6	BASE	0.17	85.27	87.00	390149	0.00	4.52	0.0	0.0
WQTV	BASIN-6	BASE	0.25	85.27	87.00	390058	0.00	4.51	0.0	0.1
WQTV	BASIN-6	BASE	0.33	85.27	87.00	389968	0.00	4.51	0.0	0.1
WQTV	BASIN-6	BASE	0.42	85.26	87.00	389877	0.00	4.51	0.0	0.1
WQTV	BASIN-6	BASE	0.50	85.26	87.00	389786	0.00	4.51	0.0	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-6	BASE	0.58	85.26	87.00	389696	0.00	4.51	0.0	0.2
WQTV	BASIN-6	BASE	0.67	85.25	87.00	389605	0.00	4.51	0.0	0.2
WQTV	BASIN-6	BASE	0.75	85.25	87.00	389515	0.00	4.51	0.0	0.3
WQTV	BASIN-6	BASE	0.83	85.25	87.00	389424	0.00	4.51	0.0	0.3
WQTV	BASIN-6	BASE	0.92	85.24	87.00	389332	0.00	4.51	0.0	0.3
WQTV	BASIN-6	BASE	1.00	85.24	87.00	389242	0.00	4.51	0.0	0.4
WQTV	BASIN-6	BASE	1.09	85.23	87.00	389150	0.00	4.50	0.0	0.4
WQTV	BASIN-6	BASE	1.17	85.23	87.00	389060	0.00	4.50	0.0	0.4
WQTV	BASIN-6	BASE	1.25	85.23	87.00	388969	0.00	4.50	0.0	0.5
WQTV	BASIN-6	BASE	1.33	85.22	87.00	388880	0.00	4.50	0.0	0.5
WQTV	BASIN-6	BASE	1.42	85.22	87.00	388789	0.00	4.50	0.0	0.5
WQTV	BASIN-6	BASE	1.50	85.22	87.00	388697	0.00	4.50	0.0	0.5
WQTV	BASIN-6	BASE	1.59	85.21	87.00	388605	0.00	4.50	0.0	0.6
WQTV	BASIN-6	BASE	1.67	85.21	87.00	388517	0.00	4.50	0.0	0.6
WQTV	BASIN-6	BASE	1.75	85.21	87.00	388425	0.00	4.50	0.0	0.6
WQTV	BASIN-6	BASE	1.83	85.20	87.00	388336	0.00	4.49	0.0	0.7
WQTV	BASIN-6	BASE	1.92	85.20	87.00	388244	0.00	4.49	0.0	0.7
WQTV	BASIN-6	BASE	2.00	85.20	87.00	388156	0.00	4.49	0.0	0.7
WQTV	BASIN-6	BASE	2.09	85.19	87.00	388062	0.00	4.49	0.0	0.8
WQTV	BASIN-6	BASE	2.17	85.19	87.00	387974	0.00	4.49	0.0	0.8
WQTV	BASIN-6	BASE	2.25	85.19	87.00	387882	0.00	4.49	0.0	0.8
WQTV	BASIN-6	BASE	2.34	85.18	87.00	387790	0.00	4.49	0.0	0.9
WQTV	BASIN-6	BASE	2.42	85.18	87.00	387702	0.00	4.49	0.0	0.9
WQTV	BASIN-6	BASE	2.50	85.18	87.00	387610	0.00	4.49	0.0	0.9
WQTV	BASIN-6	BASE	2.59	85.17	87.00	387518	0.00	4.49	0.0	0.9
WQTV	BASIN-6	BASE	2.67	85.17	87.00	387431	0.00	4.48	0.0	1.0
WQTV	BASIN-6	BASE	2.75	85.17	87.00	387338	0.00	4.48	0.0	1.0
WQTV	BASIN-6	BASE	2.84	85.16	87.00	387244	0.00	4.48	0.0	1.0
WQTV	BASIN-6	BASE	2.92	85.16	87.00	387158	0.00	4.48	0.0	1.1
WQTV	BASIN-6	BASE	3.00	85.15	87.00	387066	0.00	4.48	0.0	1.1
WQTV	BASIN-6	BASE	3.09	85.15	87.00	386973	0.00	4.48	0.0	1.1
WQTV	BASIN-6	BASE	3.17	85.15	87.00	386881	0.00	4.48	0.0	1.2
WQTV	BASIN-6	BASE	3.25	85.14	87.00	386795	0.00	4.48	0.0	1.2
WQTV	BASIN-6	BASE	3.34	85.14	87.00	386703	0.00	4.48	0.0	1.2
WQTV	BASIN-6	BASE	3.42	85.14	87.00	386611	0.00	4.47	0.0	1.3
WQTV	BASIN-6	BASE	3.50	85.13	87.00	386524	0.00	4.47	0.0	1.3
WQTV	BASIN-6	BASE	3.58	85.13	87.00	386432	0.00	4.47	0.0	1.3
WQTV	BASIN-6	BASE	3.67	85.13	87.00	386340	0.00	4.47	0.0	1.3
WQTV	BASIN-6	BASE	3.75	85.12	87.00	386248	0.00	4.47	0.0	1.4
WQTV	BASIN-6	BASE	3.83	85.12	87.00	386162	0.00	4.47	0.0	1.4
WQTV	BASIN-6	BASE	3.92	85.12	87.00	386068	0.00	4.47	0.0	1.4
WQTV	BASIN-6	BASE	4.01	85.11	87.00	385974	0.00	4.47	0.0	1.5
WQTV	BASIN-6	BASE	4.09	85.11	87.00	385888	0.00	4.47	0.0	1.5
WQTV	BASIN-6	BASE	4.17	85.11	87.00	385795	0.00	4.47	0.0	1.5
WQTV	BASIN-6	BASE	4.25	85.10	87.00	385708	0.00	4.46	0.0	1.6
WQTV	BASIN-6	BASE	4.34	85.10	87.00	385615	0.00	4.46	0.0	1.6
WQTV	BASIN-6	BASE	4.42	85.10	87.00	385521	0.00	4.46	0.0	1.6
WQTV	BASIN-6	BASE	4.50	85.09	87.00	385435	0.00	4.46	0.0	1.7
WQTV	BASIN-6	BASE	4.59	85.09	87.00	385341	0.00	4.46	0.0	1.7
WQTV	BASIN-6	BASE	4.67	85.09	87.00	385255	0.00	4.46	0.0	1.7
WQTV	BASIN-6	BASE	4.75	85.08	87.00	385161	0.00	4.46	0.0	1.7
WQTV	BASIN-6	BASE	4.84	85.08	87.00	385068	0.00	4.46	0.0	1.8
WQTV	BASIN-6	BASE	4.92	85.08	87.00	384981	0.00	4.46	0.0	1.8

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-6	BASE	5.01	85.07	87.00	384888	0.00	4.45	0.0	1.8	
WQTV	BASIN-6	BASE	5.09	85.07	87.00	384798	0.00	4.45	0.0	1.9	
WQTV	BASIN-6	BASE	5.17	85.06	87.00	384708	0.00	4.45	0.0	1.9	
WQTV	BASIN-6	BASE	5.25	85.06	87.00	384618	0.00	4.45	0.0	1.9	
WQTV	BASIN-6	BASE	5.34	85.06	87.00	384528	0.00	4.45	0.0	2.0	
WQTV	BASIN-6	BASE	5.42	85.05	87.00	384438	0.00	4.45	0.0	2.0	
WQTV	BASIN-6	BASE	5.50	85.05	87.00	384348	0.00	4.45	0.0	2.0	
WQTV	BASIN-6	BASE	5.58	85.05	87.00	384258	0.00	4.45	0.0	2.1	
WQTV	BASIN-6	BASE	5.67	85.04	87.00	384168	0.00	4.45	0.0	2.1	
WQTV	BASIN-6	BASE	5.75	85.04	87.00	384078	0.00	4.45	0.0	2.1	
WQTV	BASIN-6	BASE	5.84	85.04	87.00	383979	0.00	4.44	0.0	2.1	
WQTV	BASIN-6	BASE	5.92	85.03	87.00	383889	0.00	4.44	0.0	2.2	
WQTV	BASIN-6	BASE	6.01	85.03	87.00	383799	0.00	4.44	0.0	2.2	
WQTV	BASIN-6	BASE	6.09	85.03	87.00	383709	0.00	4.44	0.0	2.2	
WQTV	BASIN-6	BASE	6.17	85.02	87.00	383619	0.00	4.44	0.0	2.3	
WQTV	BASIN-6	BASE	6.25	85.02	87.00	383529	0.00	4.44	0.0	2.3	
WQTV	BASIN-6	BASE	6.34	85.02	87.00	383439	0.00	4.44	0.0	2.3	
WQTV	BASIN-6	BASE	6.42	85.01	87.00	383349	0.00	4.44	0.0	2.4	
WQTV	BASIN-6	BASE	6.50	85.01	87.00	383259	0.00	4.44	0.0	2.4	
WQTV	BASIN-6	BASE	6.59	85.01	87.00	383169	0.00	4.43	0.0	2.4	
WQTV	BASIN-6	BASE	6.67	85.00	87.00	383079	0.00	4.43	0.0	2.5	BASIN-6 WQTV
WQTV	BASIN-6	BASE	6.75	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	6.83	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	6.92	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.00	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.08	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.17	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.25	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.33	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.42	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.50	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.58	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.67	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.75	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.83	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.92	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.00	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.08	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.17	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.25	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.33	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.42	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.50	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.58	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.67	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.75	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.83	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.92	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	9.00	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	9.08	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	9.17	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	9.25	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	9.33	85.00	87.00	383023	0.00	0.00	0.0	2.5	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-6	BASE	80.00	85.00	87.00	383023	0.00	0.00	0.0	2.5
WQTV	BASIN-7	BASE	0.00	78.65	80.00	325459	0.00	0.00	0.0	0.0
WQTV	BASIN-7	BASE	0.08	78.65	80.00	325381	0.00	3.77	0.0	0.0
WQTV	BASIN-7	BASE	0.17	78.64	80.00	325304	0.00	3.77	0.0	0.0
WQTV	BASIN-7	BASE	0.25	78.64	80.00	325226	0.00	3.76	0.0	0.1
WQTV	BASIN-7	BASE	0.33	78.64	80.00	325149	0.00	3.76	0.0	0.1
WQTV	BASIN-7	BASE	0.42	78.63	80.00	325072	0.00	3.76	0.0	0.1
WQTV	BASIN-7	BASE	0.50	78.63	80.00	324994	0.00	3.76	0.0	0.1
WQTV	BASIN-7	BASE	0.58	78.63	80.00	324917	0.00	3.76	0.0	0.2
WQTV	BASIN-7	BASE	0.67	78.62	80.00	324840	0.00	3.76	0.0	0.2
WQTV	BASIN-7	BASE	0.75	78.62	80.00	324762	0.00	3.76	0.0	0.2
WQTV	BASIN-7	BASE	0.83	78.62	80.00	324685	0.00	3.76	0.0	0.2
WQTV	BASIN-7	BASE	0.92	78.61	80.00	324606	0.00	3.76	0.0	0.3
WQTV	BASIN-7	BASE	1.00	78.61	80.00	324529	0.00	3.76	0.0	0.3
WQTV	BASIN-7	BASE	1.09	78.60	80.00	324451	0.00	3.76	0.0	0.3
WQTV	BASIN-7	BASE	1.17	78.60	80.00	324374	0.00	3.75	0.0	0.4
WQTV	BASIN-7	BASE	1.25	78.60	80.00	324296	0.00	3.75	0.0	0.4
WQTV	BASIN-7	BASE	1.33	78.59	80.00	324220	0.00	3.75	0.0	0.4
WQTV	BASIN-7	BASE	1.42	78.59	80.00	324142	0.00	3.75	0.0	0.4
WQTV	BASIN-7	BASE	1.50	78.59	80.00	324064	0.00	3.75	0.0	0.5
WQTV	BASIN-7	BASE	1.59	78.58	80.00	323985	0.00	3.75	0.0	0.5
WQTV	BASIN-7	BASE	1.67	78.58	80.00	323910	0.00	3.75	0.0	0.5
WQTV	BASIN-7	BASE	1.75	78.58	80.00	323831	0.00	3.75	0.0	0.5
WQTV	BASIN-7	BASE	1.83	78.57	80.00	323756	0.00	3.75	0.0	0.6
WQTV	BASIN-7	BASE	1.92	78.57	80.00	323677	0.00	3.75	0.0	0.6
WQTV	BASIN-7	BASE	2.00	78.57	80.00	323601	0.00	3.75	0.0	0.6
WQTV	BASIN-7	BASE	2.09	78.56	80.00	323521	0.00	3.74	0.0	0.6
WQTV	BASIN-7	BASE	2.17	78.56	80.00	323446	0.00	3.74	0.0	0.7
WQTV	BASIN-7	BASE	2.25	78.56	80.00	323368	0.00	3.74	0.0	0.7
WQTV	BASIN-7	BASE	2.34	78.55	80.00	323289	0.00	3.74	0.0	0.7
WQTV	BASIN-7	BASE	2.42	78.55	80.00	323214	0.00	3.74	0.0	0.7
WQTV	BASIN-7	BASE	2.50	78.55	80.00	323136	0.00	3.74	0.0	0.8
WQTV	BASIN-7	BASE	2.59	78.54	80.00	323057	0.00	3.74	0.0	0.8
WQTV	BASIN-7	BASE	2.67	78.54	80.00	322982	0.00	3.74	0.0	0.8
WQTV	BASIN-7	BASE	2.75	78.54	80.00	322904	0.00	3.74	0.0	0.8
WQTV	BASIN-7	BASE	2.84	78.53	80.00	322823	0.00	3.74	0.0	0.9
WQTV	BASIN-7	BASE	2.92	78.53	80.00	322749	0.00	3.74	0.0	0.9
WQTV	BASIN-7	BASE	3.00	78.52	80.00	322670	0.00	3.73	0.0	0.9
WQTV	BASIN-7	BASE	3.09	78.52	80.00	322592	0.00	3.73	0.0	0.9
WQTV	BASIN-7	BASE	3.17	78.52	80.00	322513	0.00	3.73	0.0	1.0
WQTV	BASIN-7	BASE	3.25	78.51	80.00	322439	0.00	3.73	0.0	1.0
WQTV	BASIN-7	BASE	3.34	78.51	80.00	322361	0.00	3.73	0.0	1.0
WQTV	BASIN-7	BASE	3.42	78.51	80.00	322282	0.00	3.73	0.0	1.0
WQTV	BASIN-7	BASE	3.50	78.50	80.00	322208	0.00	3.73	0.0	1.1
WQTV	BASIN-7	BASE	3.58	78.50	80.00	322129	0.00	3.73	0.0	1.1
WQTV	BASIN-7	BASE	3.67	78.50	80.00	322051	0.00	3.73	0.0	1.1
WQTV	BASIN-7	BASE	3.75	78.49	80.00	321972	0.00	3.73	0.0	1.1
WQTV	BASIN-7	BASE	3.83	78.49	80.00	321898	0.00	3.73	0.0	1.2
WQTV	BASIN-7	BASE	3.92	78.49	80.00	321818	0.00	3.72	0.0	1.2
WQTV	BASIN-7	BASE	4.01	78.48	80.00	321738	0.00	3.72	0.0	1.2
WQTV	BASIN-7	BASE	4.09	78.48	80.00	321665	0.00	3.72	0.0	1.3
WQTV	BASIN-7	BASE	4.17	78.48	80.00	321585	0.00	3.72	0.0	1.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-7	BASE	4.25	78.47	80.00	321511	0.00	3.72	0.0	1.3
WQTV	BASIN-7	BASE	4.34	78.47	80.00	321431	0.00	3.72	0.0	1.3
WQTV	BASIN-7	BASE	4.42	78.47	80.00	321351	0.00	3.72	0.0	1.4
WQTV	BASIN-7	BASE	4.50	78.46	80.00	321277	0.00	3.72	0.0	1.4
WQTV	BASIN-7	BASE	4.59	78.46	80.00	321198	0.00	3.72	0.0	1.4
WQTV	BASIN-7	BASE	4.67	78.46	80.00	321124	0.00	3.72	0.0	1.4
WQTV	BASIN-7	BASE	4.75	78.45	80.00	321044	0.00	3.72	0.0	1.5
WQTV	BASIN-7	BASE	4.84	78.45	80.00	320964	0.00	3.71	0.0	1.5
WQTV	BASIN-7	BASE	4.92	78.45	80.00	320890	0.00	3.71	0.0	1.5
WQTV	BASIN-7	BASE	5.01	78.44	80.00	320810	0.00	3.71	0.0	1.5
WQTV	BASIN-7	BASE	5.09	78.44	80.00	320733	0.00	3.71	0.0	1.6
WQTV	BASIN-7	BASE	5.17	78.43	80.00	320657	0.00	3.71	0.0	1.6
WQTV	BASIN-7	BASE	5.25	78.43	80.00	320580	0.00	3.71	0.0	1.6
WQTV	BASIN-7	BASE	5.34	78.43	80.00	320503	0.00	3.71	0.0	1.6
WQTV	BASIN-7	BASE	5.42	78.42	80.00	320426	0.00	3.71	0.0	1.7
WQTV	BASIN-7	BASE	5.50	78.42	80.00	320349	0.00	3.71	0.0	1.7
WQTV	BASIN-7	BASE	5.58	78.42	80.00	320272	0.00	3.71	0.0	1.7
WQTV	BASIN-7	BASE	5.67	78.41	80.00	320196	0.00	3.71	0.0	1.7
WQTV	BASIN-7	BASE	5.75	78.41	80.00	320119	0.00	3.71	0.0	1.8
WQTV	BASIN-7	BASE	5.84	78.41	80.00	320034	0.00	3.70	0.0	1.8
WQTV	BASIN-7	BASE	5.92	78.40	80.00	319957	0.00	3.70	0.0	1.8
WQTV	BASIN-7	BASE	6.01	78.40	80.00	319880	0.00	3.70	0.0	1.8
WQTV	BASIN-7	BASE	6.09	78.40	80.00	319804	0.00	3.70	0.0	1.9
WQTV	BASIN-7	BASE	6.17	78.39	80.00	319727	0.00	3.70	0.0	1.9
WQTV	BASIN-7	BASE	6.25	78.39	80.00	319650	0.00	3.70	0.0	1.9
WQTV	BASIN-7	BASE	6.34	78.39	80.00	319573	0.00	3.70	0.0	1.9
WQTV	BASIN-7	BASE	6.42	78.38	80.00	319496	0.00	3.70	0.0	2.0
WQTV	BASIN-7	BASE	6.50	78.38	80.00	319419	0.00	3.70	0.0	2.0
WQTV	BASIN-7	BASE	6.59	78.38	80.00	319343	0.00	3.70	0.0	2.0
WQTV	BASIN-7	BASE	6.67	78.37	80.00	319266	0.00	3.70	0.0	2.0
WQTV	BASIN-7	BASE	6.75	78.37	80.00	319189	0.00	3.69	0.0	2.1
WQTV	BASIN-7	BASE	6.83	78.37	80.00	319112	0.00	3.69	0.0	2.1
WQTV	BASIN-7	BASE	6.92	78.36	80.00	319034	0.00	3.69	0.0	2.1
WQTV	BASIN-7	BASE	7.00	78.36	80.00	318957	0.00	3.69	0.0	2.1
WQTV	BASIN-7	BASE	7.08	78.35	80.00	318880	0.00	3.69	0.0	2.2
WQTV	BASIN-7	BASE	7.17	78.35	80.00	318802	0.00	3.69	0.0	2.2
WQTV	BASIN-7	BASE	7.25	78.35	80.00	318725	0.00	3.69	0.0	2.2
WQTV	BASIN-7	BASE	7.33	78.34	80.00	318647	0.00	3.69	0.0	2.2
WQTV	BASIN-7	BASE	7.42	78.34	80.00	318570	0.00	3.69	0.0	2.3
WQTV	BASIN-7	BASE	7.50	78.34	80.00	318493	0.00	3.69	0.0	2.3
WQTV	BASIN-7	BASE	7.58	78.33	80.00	318415	0.00	3.69	0.0	2.3
WQTV	BASIN-7	BASE	7.67	78.33	80.00	318338	0.00	3.68	0.0	2.3
WQTV	BASIN-7	BASE	7.75	78.33	80.00	318261	0.00	3.68	0.0	2.4
WQTV	BASIN-7	BASE	7.83	78.32	80.00	318183	0.00	3.68	0.0	2.4
WQTV	BASIN-7	BASE	7.92	78.32	80.00	318106	0.00	3.68	0.0	2.4
WQTV	BASIN-7	BASE	8.00	78.32	80.00	318028	0.00	3.68	0.0	2.4
WQTV	BASIN-7	BASE	8.08	78.31	80.00	317951	0.00	3.68	0.0	2.5
WQTV	BASIN-7	BASE	8.17	78.31	80.00	317874	0.00	3.68	0.0	2.5
WQTV	BASIN-7	BASE	8.25	78.31	80.00	317796	0.00	3.68	0.0	2.5
WQTV	BASIN-7	BASE	8.33	78.30	80.00	317719	0.00	3.68	0.0	2.6
WQTV	BASIN-7	BASE	8.42	78.30	80.00	317641	0.00	3.68	0.0	2.6
WQTV	BASIN-7	BASE	8.50	78.30	80.00	317564	0.00	3.68	0.0	2.6
WQTV	BASIN-7	BASE	8.58	78.29	80.00	317487	0.00	3.67	0.0	2.6

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-7	BASE	8.67	78.29	80.00	317409	0.00	3.67	0.0	2.7
WQTV	BASIN-7	BASE	8.75	78.29	80.00	317332	0.00	3.67	0.0	2.7
WQTV	BASIN-7	BASE	8.83	78.28	80.00	317254	0.00	3.67	0.0	2.7
WQTV	BASIN-7	BASE	8.92	78.28	80.00	317177	0.00	3.67	0.0	2.7
WQTV	BASIN-7	BASE	9.00	78.27	80.00	317100	0.00	3.67	0.0	2.8
WQTV	BASIN-7	BASE	9.08	78.27	80.00	317022	0.00	3.67	0.0	2.8
WQTV	BASIN-7	BASE	9.17	78.27	80.00	316945	0.00	3.67	0.0	2.8
WQTV	BASIN-7	BASE	9.25	78.26	80.00	316867	0.00	3.67	0.0	2.8
WQTV	BASIN-7	BASE	9.33	78.26	80.00	316790	0.00	3.67	0.0	2.9
WQTV	BASIN-7	BASE	9.42	78.26	80.00	316713	0.00	3.67	0.0	2.9
WQTV	BASIN-7	BASE	9.50	78.25	80.00	316635	0.00	3.66	0.0	2.9
WQTV	BASIN-7	BASE	9.58	78.25	80.00	316558	0.00	3.66	0.0	2.9
WQTV	BASIN-7	BASE	9.67	78.25	80.00	316480	0.00	3.66	0.0	3.0
WQTV	BASIN-7	BASE	9.75	78.24	80.00	316403	0.00	3.66	0.0	3.0
WQTV	BASIN-7	BASE	9.83	78.24	80.00	316326	0.00	3.66	0.0	3.0
WQTV	BASIN-7	BASE	9.92	78.24	80.00	316248	0.00	3.66	0.0	3.0
WQTV	BASIN-7	BASE	10.00	78.23	80.00	316171	0.00	3.66	0.0	3.1
WQTV	BASIN-7	BASE	10.08	78.23	80.00	316093	0.00	3.66	0.0	3.1
WQTV	BASIN-7	BASE	10.17	78.23	80.00	316016	0.00	3.66	0.0	3.1
WQTV	BASIN-7	BASE	10.25	78.22	80.00	315939	0.00	3.66	0.0	3.1
WQTV	BASIN-7	BASE	10.33	78.22	80.00	315861	0.00	3.66	0.0	3.2
WQTV	BASIN-7	BASE	10.42	78.22	80.00	315784	0.00	3.65	0.0	3.2
WQTV	BASIN-7	BASE	10.50	78.21	80.00	315706	0.00	3.65	0.0	3.2
WQTV	BASIN-7	BASE	10.58	78.21	80.00	315629	0.00	3.65	0.0	3.2
WQTV	BASIN-7	BASE	10.67	78.21	80.00	315552	0.00	3.65	0.0	3.3
WQTV	BASIN-7	BASE	10.75	78.20	80.00	315474	0.00	3.65	0.0	3.3
WQTV	BASIN-7	BASE	10.83	78.20	80.00	315397	0.00	3.65	0.0	3.3
WQTV	BASIN-7	BASE	10.92	78.20	80.00	315320	0.00	3.65	0.0	3.3
WQTV	BASIN-7	BASE	11.00	78.19	80.00	315242	0.00	3.65	0.0	3.4
WQTV	BASIN-7	BASE	11.08	78.19	80.00	315165	0.00	3.65	0.0	3.4
WQTV	BASIN-7	BASE	11.17	78.18	80.00	315087	0.00	3.65	0.0	3.4
WQTV	BASIN-7	BASE	11.25	78.18	80.00	315010	0.00	3.65	0.0	3.4
WQTV	BASIN-7	BASE	11.33	78.18	80.00	314933	0.00	3.65	0.0	3.5
WQTV	BASIN-7	BASE	11.42	78.17	80.00	314855	0.00	3.64	0.0	3.5
WQTV	BASIN-7	BASE	11.50	78.17	80.00	314778	0.00	3.64	0.0	3.5
WQTV	BASIN-7	BASE	11.58	78.17	80.00	314700	0.00	3.64	0.0	3.5
WQTV	BASIN-7	BASE	11.67	78.16	80.00	314623	0.00	3.64	0.0	3.6
WQTV	BASIN-7	BASE	11.75	78.16	80.00	314546	0.00	3.64	0.0	3.6
WQTV	BASIN-7	BASE	11.83	78.16	80.00	314468	0.00	3.64	0.0	3.6
WQTV	BASIN-7	BASE	11.92	78.15	80.00	314391	0.00	3.64	0.0	3.6
WQTV	BASIN-7	BASE	12.00	78.15	80.00	314313	0.00	3.64	0.0	3.7
WQTV	BASIN-7	BASE	12.08	78.15	80.00	314236	0.00	3.64	0.0	3.7
WQTV	BASIN-7	BASE	12.17	78.14	80.00	314159	0.00	3.64	0.0	3.7
WQTV	BASIN-7	BASE	12.25	78.14	80.00	314081	0.00	3.64	0.0	3.7
WQTV	BASIN-7	BASE	12.33	78.14	80.00	314004	0.00	3.63	0.0	3.8
WQTV	BASIN-7	BASE	12.42	78.13	80.00	313926	0.00	3.63	0.0	3.8
WQTV	BASIN-7	BASE	12.50	78.13	80.00	313849	0.00	3.63	0.0	3.8
WQTV	BASIN-7	BASE	12.58	78.13	80.00	313772	0.00	3.63	0.0	3.8
WQTV	BASIN-7	BASE	12.67	78.12	80.00	313694	0.00	3.63	0.0	3.9
WQTV	BASIN-7	BASE	12.75	78.12	80.00	313617	0.00	3.63	0.0	3.9
WQTV	BASIN-7	BASE	12.83	78.12	80.00	313539	0.00	3.63	0.0	3.9
WQTV	BASIN-7	BASE	12.92	78.11	80.00	313462	0.00	3.63	0.0	3.9
WQTV	BASIN-7	BASE	13.00	78.11	80.00	313385	0.00	3.63	0.0	4.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-7	BASE	13.08	78.10	80.00	313307	0.00	3.63	0.0	4.0	
WQTV	BASIN-7	BASE	13.17	78.10	80.00	313230	0.00	3.63	0.0	4.0	
WQTV	BASIN-7	BASE	13.25	78.10	80.00	313152	0.00	3.62	0.0	4.0	
WQTV	BASIN-7	BASE	13.33	78.09	80.00	313075	0.00	3.62	0.0	4.1	
WQTV	BASIN-7	BASE	13.42	78.09	80.00	312998	0.00	3.62	0.0	4.1	
WQTV	BASIN-7	BASE	13.50	78.09	80.00	312920	0.00	3.62	0.0	4.1	
WQTV	BASIN-7	BASE	13.58	78.08	80.00	312843	0.00	3.62	0.0	4.1	
WQTV	BASIN-7	BASE	13.67	78.08	80.00	312765	0.00	3.62	0.0	4.2	
WQTV	BASIN-7	BASE	13.75	78.08	80.00	312688	0.00	3.62	0.0	4.2	
WQTV	BASIN-7	BASE	13.83	78.07	80.00	312611	0.00	3.62	0.0	4.2	
WQTV	BASIN-7	BASE	13.92	78.07	80.00	312533	0.00	3.62	0.0	4.2	
WQTV	BASIN-7	BASE	14.00	78.07	80.00	312456	0.00	3.62	0.0	4.3	
WQTV	BASIN-7	BASE	14.08	78.06	80.00	312379	0.00	3.62	0.0	4.3	
WQTV	BASIN-7	BASE	14.17	78.06	80.00	312301	0.00	3.61	0.0	4.3	
WQTV	BASIN-7	BASE	14.25	78.06	80.00	312224	0.00	3.61	0.0	4.3	
WQTV	BASIN-7	BASE	14.33	78.05	80.00	312146	0.00	3.61	0.0	4.4	
WQTV	BASIN-7	BASE	14.42	78.05	80.00	312069	0.00	3.61	0.0	4.4	
WQTV	BASIN-7	BASE	14.50	78.05	80.00	311992	0.00	3.61	0.0	4.4	
WQTV	BASIN-7	BASE	14.58	78.04	80.00	311914	0.00	3.61	0.0	4.4	
WQTV	BASIN-7	BASE	14.67	78.04	80.00	311837	0.00	3.61	0.0	4.5	
WQTV	BASIN-7	BASE	14.75	78.04	80.00	311759	0.00	3.61	0.0	4.5	
WQTV	BASIN-7	BASE	14.83	78.03	80.00	311682	0.00	3.61	0.0	4.5	
WQTV	BASIN-7	BASE	14.92	78.03	80.00	311605	0.00	3.61	0.0	4.5	
WQTV	BASIN-7	BASE	15.00	78.02	80.00	311527	0.00	3.61	0.0	4.6	
WQTV	BASIN-7	BASE	15.08	78.02	80.00	311450	0.00	3.60	0.0	4.6	
WQTV	BASIN-7	BASE	15.17	78.02	80.00	311372	0.00	3.60	0.0	4.6	
WQTV	BASIN-7	BASE	15.25	78.01	80.00	311295	0.00	3.60	0.0	4.6	
WQTV	BASIN-7	BASE	15.33	78.01	80.00	311218	0.00	3.60	0.0	4.7	
WQTV	BASIN-7	BASE	15.42	78.01	80.00	311140	0.00	3.60	0.0	4.7	
WQTV	BASIN-7	BASE	15.50	78.00	80.00	311063	0.00	3.60	0.0	4.7	BASIN-7 WQTV
WQTV	BASIN-7	BASE	15.58	78.00	80.00	310985	0.00	3.60	0.0	4.7	
WQTV	BASIN-7	BASE	15.67	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	15.75	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	15.83	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	15.92	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.00	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.08	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.17	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.25	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.33	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.42	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.50	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.58	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.67	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.75	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.83	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.92	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	17.00	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	17.08	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	17.17	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	17.25	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	17.33	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	17.42	78.00	80.00	310970	0.00	0.00	0.0	4.7	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-7	BASE	79.33	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.42	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.50	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.58	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.67	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.75	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.83	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.92	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	80.00	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	80.00	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-8	BASE	0.00	86.00	87.00	26704	0.00	0.00	0.0	0.0	BASIN-8 WQTV
WQTV	BASIN-8	BASE	0.00	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.17	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.25	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.33	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.42	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.50	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.58	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.67	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.75	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.83	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.92	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.00	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.09	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.17	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.25	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.33	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.42	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.50	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.59	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.67	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.75	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.83	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.92	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.00	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.09	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.17	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.25	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.34	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.42	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.50	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.59	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.67	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.75	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.84	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.92	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	3.00	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	3.09	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	3.17	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	3.25	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	3.34	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	3.42	86.00	87.00	26704	0.00	0.00	0.0	0.0	

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-8	BASE	78.58	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	78.67	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	78.75	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	78.83	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	78.92	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.08	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.17	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.25	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.33	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.42	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.50	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.58	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.67	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.75	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.83	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.92	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	80.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	80.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-9	BASE	0.00	77.49	79.75	159358	0.00	0.00	0.0	0.0
WQTV	BASIN-9	BASE	0.08	77.49	79.75	159306	0.00	1.84	0.0	0.0
WQTV	BASIN-9	BASE	0.17	77.48	79.75	159254	0.00	1.84	0.0	0.0
WQTV	BASIN-9	BASE	0.25	77.48	79.75	159202	0.00	1.84	0.0	0.0
WQTV	BASIN-9	BASE	0.33	77.48	79.75	159150	0.00	1.84	0.0	0.0
WQTV	BASIN-9	BASE	0.42	77.47	79.75	159097	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	0.50	77.47	79.75	159045	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	0.58	77.47	79.75	158993	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	0.67	77.46	79.75	158941	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	0.75	77.46	79.75	158889	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	0.83	77.46	79.75	158837	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	0.92	77.45	79.75	158784	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	1.00	77.45	79.75	158732	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	1.09	77.44	79.75	158680	0.00	1.84	0.0	0.2
WQTV	BASIN-9	BASE	1.17	77.44	79.75	158628	0.00	1.84	0.0	0.2
WQTV	BASIN-9	BASE	1.25	77.44	79.75	158575	0.00	1.84	0.0	0.2
WQTV	BASIN-9	BASE	1.33	77.43	79.75	158524	0.00	1.83	0.0	0.2
WQTV	BASIN-9	BASE	1.42	77.43	79.75	158472	0.00	1.83	0.0	0.2
WQTV	BASIN-9	BASE	1.50	77.43	79.75	158419	0.00	1.83	0.0	0.2
WQTV	BASIN-9	BASE	1.59	77.42	79.75	158366	0.00	1.83	0.0	0.2
WQTV	BASIN-9	BASE	1.67	77.42	79.75	158316	0.00	1.83	0.0	0.2
WQTV	BASIN-9	BASE	1.75	77.42	79.75	158263	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	1.83	77.41	79.75	158212	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	1.92	77.41	79.75	158159	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	2.00	77.41	79.75	158108	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	2.09	77.40	79.75	158054	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	2.17	77.40	79.75	158004	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	2.25	77.40	79.75	157951	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	2.34	77.39	79.75	157898	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	2.42	77.39	79.75	157847	0.00	1.83	0.0	0.4
WQTV	BASIN-9	BASE	2.50	77.39	79.75	157794	0.00	1.83	0.0	0.4
WQTV	BASIN-9	BASE	2.59	77.38	79.75	157741	0.00	1.83	0.0	0.4
WQTV	BASIN-9	BASE	2.67	77.38	79.75	157691	0.00	1.83	0.0	0.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-9	BASE	2.75	77.38	79.75	157638	0.00	1.82	0.0	0.4
WQTV	BASIN-9	BASE	2.84	77.37	79.75	157584	0.00	1.82	0.0	0.4
WQTV	BASIN-9	BASE	2.92	77.37	79.75	157534	0.00	1.82	0.0	0.4
WQTV	BASIN-9	BASE	3.00	77.36	79.75	157481	0.00	1.82	0.0	0.4
WQTV	BASIN-9	BASE	3.09	77.36	79.75	157428	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.17	77.36	79.75	157375	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.25	77.35	79.75	157326	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.34	77.35	79.75	157273	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.42	77.35	79.75	157220	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.50	77.34	79.75	157170	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.58	77.34	79.75	157117	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.67	77.34	79.75	157064	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.75	77.33	79.75	157011	0.00	1.82	0.0	0.6
WQTV	BASIN-9	BASE	3.83	77.33	79.75	156962	0.00	1.82	0.0	0.6
WQTV	BASIN-9	BASE	3.92	77.33	79.75	156908	0.00	1.82	0.0	0.6
WQTV	BASIN-9	BASE	4.01	77.32	79.75	156854	0.00	1.82	0.0	0.6
WQTV	BASIN-9	BASE	4.09	77.32	79.75	156804	0.00	1.81	0.0	0.6
WQTV	BASIN-9	BASE	4.17	77.32	79.75	156751	0.00	1.81	0.0	0.6
WQTV	BASIN-9	BASE	4.25	77.31	79.75	156701	0.00	1.81	0.0	0.6
WQTV	BASIN-9	BASE	4.34	77.31	79.75	156647	0.00	1.81	0.0	0.6
WQTV	BASIN-9	BASE	4.42	77.31	79.75	156593	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	4.50	77.30	79.75	156544	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	4.59	77.30	79.75	156490	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	4.67	77.30	79.75	156440	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	4.75	77.29	79.75	156387	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	4.84	77.29	79.75	156333	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	4.92	77.29	79.75	156283	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	5.01	77.28	79.75	156229	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	5.09	77.28	79.75	156178	0.00	1.81	0.0	0.8
WQTV	BASIN-9	BASE	5.17	77.27	79.75	156126	0.00	1.81	0.0	0.8
WQTV	BASIN-9	BASE	5.25	77.27	79.75	156074	0.00	1.81	0.0	0.8
WQTV	BASIN-9	BASE	5.34	77.27	79.75	156022	0.00	1.81	0.0	0.8
WQTV	BASIN-9	BASE	5.42	77.26	79.75	155971	0.00	1.81	0.0	0.8
WQTV	BASIN-9	BASE	5.50	77.26	79.75	155919	0.00	1.80	0.0	0.8
WQTV	BASIN-9	BASE	5.58	77.26	79.75	155867	0.00	1.80	0.0	0.8
WQTV	BASIN-9	BASE	5.67	77.25	79.75	155816	0.00	1.80	0.0	0.8
WQTV	BASIN-9	BASE	5.75	77.25	79.75	155764	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	5.84	77.25	79.75	155707	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	5.92	77.24	79.75	155655	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	6.01	77.24	79.75	155604	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	6.09	77.24	79.75	155552	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	6.17	77.23	79.75	155500	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	6.25	77.23	79.75	155448	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	6.34	77.23	79.75	155397	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	6.42	77.22	79.75	155345	0.00	1.80	0.0	1.0
WQTV	BASIN-9	BASE	6.50	77.22	79.75	155293	0.00	1.80	0.0	1.0
WQTV	BASIN-9	BASE	6.59	77.22	79.75	155242	0.00	1.80	0.0	1.0
WQTV	BASIN-9	BASE	6.67	77.21	79.75	155190	0.00	1.80	0.0	1.0
WQTV	BASIN-9	BASE	6.75	77.21	79.75	155138	0.00	1.80	0.0	1.0
WQTV	BASIN-9	BASE	6.83	77.21	79.75	155086	0.00	1.79	0.0	1.0
WQTV	BASIN-9	BASE	6.92	77.20	79.75	155034	0.00	1.79	0.0	1.0
WQTV	BASIN-9	BASE	7.00	77.20	79.75	154982	0.00	1.79	0.0	1.0
WQTV	BASIN-9	BASE	7.08	77.19	79.75	154930	0.00	1.79	0.0	1.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-9	BASE	7.17	77.19	79.75	154878	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.25	77.19	79.75	154826	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.33	77.18	79.75	154774	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.42	77.18	79.75	154722	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.50	77.18	79.75	154669	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.58	77.17	79.75	154617	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.67	77.17	79.75	154565	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.75	77.17	79.75	154513	0.00	1.79	0.0	1.2
WQTV	BASIN-9	BASE	7.83	77.16	79.75	154461	0.00	1.79	0.0	1.2
WQTV	BASIN-9	BASE	7.92	77.16	79.75	154409	0.00	1.79	0.0	1.2
WQTV	BASIN-9	BASE	8.00	77.16	79.75	154357	0.00	1.79	0.0	1.2
WQTV	BASIN-9	BASE	8.08	77.15	79.75	154305	0.00	1.79	0.0	1.2
WQTV	BASIN-9	BASE	8.17	77.15	79.75	154253	0.00	1.79	0.0	1.2
WQTV	BASIN-9	BASE	8.25	77.15	79.75	154201	0.00	1.78	0.0	1.2
WQTV	BASIN-9	BASE	8.33	77.14	79.75	154149	0.00	1.78	0.0	1.2
WQTV	BASIN-9	BASE	8.42	77.14	79.75	154096	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	8.50	77.14	79.75	154044	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	8.58	77.13	79.75	153992	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	8.67	77.13	79.75	153940	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	8.75	77.13	79.75	153888	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	8.83	77.12	79.75	153836	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	8.92	77.12	79.75	153784	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	9.00	77.11	79.75	153732	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	9.08	77.11	79.75	153680	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.17	77.11	79.75	153628	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.25	77.10	79.75	153576	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.33	77.10	79.75	153523	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.42	77.10	79.75	153471	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.50	77.09	79.75	153419	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.58	77.09	79.75	153367	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.67	77.09	79.75	153315	0.00	1.77	0.0	1.4
WQTV	BASIN-9	BASE	9.75	77.08	79.75	153263	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	9.83	77.08	79.75	153211	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	9.92	77.08	79.75	153159	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.00	77.07	79.75	153107	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.08	77.07	79.75	153055	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.17	77.07	79.75	153003	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.25	77.06	79.75	152950	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.33	77.06	79.75	152898	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.42	77.06	79.75	152846	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.50	77.05	79.75	152794	0.00	1.77	0.0	1.6
WQTV	BASIN-9	BASE	10.58	77.05	79.75	152742	0.00	1.77	0.0	1.6
WQTV	BASIN-9	BASE	10.67	77.05	79.75	152690	0.00	1.77	0.0	1.6
WQTV	BASIN-9	BASE	10.75	77.04	79.75	152638	0.00	1.77	0.0	1.6
WQTV	BASIN-9	BASE	10.83	77.04	79.75	152586	0.00	1.77	0.0	1.6
WQTV	BASIN-9	BASE	10.92	77.04	79.75	152534	0.00	1.77	0.0	1.6
WQTV	BASIN-9	BASE	11.00	77.03	79.75	152482	0.00	1.76	0.0	1.6
WQTV	BASIN-9	BASE	11.08	77.03	79.75	152430	0.00	1.76	0.0	1.6
WQTV	BASIN-9	BASE	11.17	77.02	79.75	152377	0.00	1.76	0.0	1.7
WQTV	BASIN-9	BASE	11.25	77.02	79.75	152325	0.00	1.76	0.0	1.7
WQTV	BASIN-9	BASE	11.33	77.02	79.75	152273	0.00	1.76	0.0	1.7
WQTV	BASIN-9	BASE	11.42	77.01	79.75	152221	0.00	1.76	0.0	1.7
WQTV	BASIN-9	BASE	11.50	77.01	79.75	152169	0.00	1.76	0.0	1.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-9	BASE	11.58	77.01	79.75	152117	0.00	1.76	0.0	1.7	
WQTV	BASIN-9	BASE	11.67	77.00	79.75	152065	0.00	1.76	0.0	1.7	BASIN-9 WQTV
WQTV	BASIN-9	BASE	11.75	77.00	79.75	152013	0.00	1.76	0.0	1.7	
WQTV	BASIN-9	BASE	11.83	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	11.92	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.00	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.08	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.17	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.25	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.33	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.42	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.50	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.58	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.67	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.75	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.83	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.92	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.00	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.08	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.17	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.25	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.33	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.42	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.50	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.58	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.67	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.75	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.83	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.92	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.00	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.08	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.17	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.25	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.33	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.42	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.50	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.58	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.67	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.75	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.83	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.92	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.00	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.08	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.17	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.25	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.33	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.42	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.50	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.58	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.67	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.75	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.83	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.92	77.00	79.75	152007	0.00	0.00	0.0	1.7	

Appendix B

Operation and Maintenance Requirements and
Erosion and Sedimentation Control Requirements

Operation and Maintenance Plan

Proposed operation and maintenance and soil erosion and sediment control practices are outlined in the following paragraphs.

Surface Water Management Facilities

The man-made surface water facilities shall be maintained free of sediments and debris. Areas shall be inspected on a routine basis and nuisance plants shall be removed a minimum of twice annually. Grassed areas shall be mowed a minimum of 6 times per year. The natural systems shall be least disturbed as possible. Minimal maintenance is required for the natural and undisturbed areas. All basins shall be inspected monthly. Monthly documentation shall be noted based upon the inspection findings.

Erosion Control

All erosion damage at spillways, outfall structures, and along basin side slopes shall be repaired (grading and grassing) as conditions occur. All side slopes and other areas disturbed by construction shall be stabilized by sodding, hydro-mulching or other appropriate vegetative or non-vegetative erosion control measures.

Swale/Ditch

All swales, if any, shall be maintained free of debris and sediment. Sediments shall be removed when the depth has been reduced by 20 percent. Sediments removed from swales/ditches should be evenly spread over grassed areas away from the stormwater management facilities.

Culverts, Pipes and Structures

All pipe, if any, shall be inspected bi-annually. Culverts and pipes shall be maintained free of debris and sediment. Sediments removed from culverts and pipes should be evenly spread over grassed areas away from the stormwater management facilities.

The structures and paved flow lines, if any, shall be maintained clear of debris. Remove any debris and silt collected in inlets and pipes as routine inspections dictates.
As means of visually inspecting the underground stormwater systems to ensure appropriate performance, visual inspections should be performed after major storm events by inspecting the structures placed on the system for maintenance purposes.

Inspection Reporting

Annual inspection reports, prepared by a properly licensed professional engineer, should be submitted to the water management district as appropriate. The engineer shall inspect the site and report on the status and function of the system. Noted deficiencies and/or maintenance

requirements shall be reported to the owner with recommendations for repairs. Repairs shall be executed.

Limerock/Sinkhole

If continuous limerock is encountered during excavation of the swales/basin or if a sinkhole forms in the area of a drainage swale/basin the engineer of record shall be notified by either the contractor or the established operation and maintenance entity. The engineer of record shall inspect the repaired area upon completion of the repair.

Where continuous limerock is encountered during excavation of the swales/basins, the limerock shall be over excavated by 2 feet and replaced with Putnamey soils that extend 2 feet beyond the perimeter of the limerock outcropping. The Putnamey soil shall have at least 20% passing the no. 200 sieve, compacted to 95% of standard proctor, and compacted in a wet condition with moisture 2% - 4% above optimum.

All swales/basins shall be inspected monthly for sinkhole occurrence. Should a sinkhole occur, the area shall be repaired as soon as possible. Repair shall include filling (limerock such as road base material, Putnam/sand mixture, or concrete if necessary). A 2-foot deep cap that extends 2 feet beyond the perimeter of the sinkhole shall be constructed with Putnamey soils. The Putnamey soil shall have at least 20% passing the no. 200 sieve, compacted to 95% of standard proctor, and compacted in a wet condition with moisture 2% - 4% above optimum. The Putnam soil cap shall be re-graded to prevent concentration of waters (ponding) and re-vegetated.

Outfall Structures

All outfall and drawdown orifices are to be inspected bi-annually for sediment or debris in the flow line of weirs or orifices. All sediment and debris should be removed and disposed of in an approved manner.

Operation & Maintenance Entity:

Pleasant Solar, LLC
301 N. Lake Ave Ste 950
Pasadena, CA 91101

Appendix C

Geotechnical Report

GSE Engineering & Consulting, Inc.

August 21, 2023

Andy Cerrato
Solariant Capital, LLC
301 North Lake Avenue, Suite 950
Pasadena, California 91101

Summary Report of a Peer Review
Proposed Pleasant Solar Project
Alachua, Alachua County, Florida
GSE Project No. 16203

GSE Engineering & Consulting, Inc. (GSE) has performed a peer review of a geotechnical engineering report prepared for the proposed Pleasant Solar Project in Alachua, Alachua County, Florida.

This peer review was performed in accordance with GSE Proposal No. 2023-496 dated July 28, 2023. You authorized our services on July 28, 2023. The remainder of this report summarizes background information, general site observations, review of published data, review of the ANS Geo geotechnical report, and our associated evaluation and opinions.

Background Information

We understand that you propose to develop this site into a solar power generation facility. The site is located on the west side of NW C.R. 235A between NW 138th Avenue and NW C.R. 2054 in Alachua, Alachua County, Florida.

The site contains approximately 279 acres of agricultural or wooded land. You propose to site solar facilities over much of the site, and provide stormwater drainage though existing natural low areas on the site.

You retained ANS Geo to perform a geotechnical site exploration at the site. ANS Geo prepared a *Geotechnical Report* for the Pleasant Solar Project dated July 13, 2023 (Rev.3). You provided this report to GSE for a peer review.

You have requested this peer review to mainly focus on the karst geology of the site, the risk for sinkhole development related to the karst geology and the approach to providing stormwater management at the site. As part of this peer review, we reviewed the ANS Geo report and published regional geology data, groundwater data, soil survey data and historical aerial photographs. Additionally, we performed a site visit to observe certain site features.

General Site Conditions and Observations

Mr. Kenneth L. Hill, P.E. visited the site on July 28, 2023 to observe the site conditions. The majority of the site is in pasture or row-crops. The western portion of the site was recently harvested of timber and is covered in scrub. Some woods remain along the west side of the pasture and at the locations of the two depressional features. The site topography is gently rolling, with a steeper hillside at the north leg of the site.

The site is located in an area of gently rolling hills. A site Topographic Survey provided by CHW Professional Consultants (CHW) indicates the site elevations range from about 72 to 132 feet. The Alachua County GIS Map Genius[1] Lidar topography generally correlates well with the CHW topographic survey. The majority of the site is near elevations 75 to 90 feet. The northeast leg of the site is on a hillside that slopes down to the south. The highest elevation is along this northern property line at elevation 132 feet.

There are many shallow, broad closed depressional features throughout the site. There are two more pronounced depressional features at the southwest corner of the site. One feature is approximately 100 feet across and 10 feet deep. This feature has a top elevation of 85 feet and a bottom elevation of 75 feet. This feature is best described as a broad, bowl-shaped depression with consistent side slopes. This feature is wooded with scattered large trees and sparse underbrush. Our observation of this feature indicates it does not contain standing water for any appreciable amount of time. We observed no limestone in the slopes of this feature, or voids or chimneys in the bottom of this feature.

The second feature is located approximately 200 feet northwest of the first feature, and consists of a steeply sided depression. This feature is oval in shape, and approximately 70 feet wide by 90 feet long. This feature has a top elevation of 85 feet and a bottom elevation of 39 feet. This feature is heavily wooded and covered with brush and vines and is generally not accessible. We were able to access this feature along the east side, and observed the bottom of the feature from approximately half way down the side slope. This feature contains standing water, and review of historical aerials suggests it contains standing water much of the time. We did not observe any limestone in the side slopes of this feature, or open voids or chimneys in this feature.

Photographs of these two features are shown below.



Photograph of Broad Depressional Feature.



Photograph of Steep Sided Depressional Feature.

[1] www.MapGenius.AlachuaCounty.us

A small depressional feature is located along the northern property line in the western portion of the site. The CHW topographic survey indicates this depression is about 20 feet in diameter. The top of this feature is at elevation 80 feet and the bottom is at elevation 70 feet. The topographic contours suggest this is a bowl-shaped depression. We did not observe this depression.

We understand a third depressional feature was located in the south-central portion of the site at the east edge of the wooded area, but was filled by the current property owner a few years ago. A review of historical aerials suggests this feature was about 100 feet in diameter.

There are two low areas surrounded by soil embankments south of the open-air barn. The topographic contours in this area suggest these are man-made, and appear to be the remnants of two in-ground silage storage facilities associated with the farming activities.

Review of Published Soil Information

The Alachua County Soil Survey[2] maps ten soil groups at the site, but approximately two-thirds of the site is mapped as either Arredondo fine sand or Fort Meade fine sand. All of the soil types at the site are described in detail in the ANS Geo report.

The Arredondo soil group typically consists of 62 inches of fine sand overlying loamy fine sand (silty sand) to a depth of 69 inches. Sandy clay (clayey sand) then extends to the maximum mapped depth of 80 inches. Groundwater is typically deeper than 80 inches.

The Fort Meade soil group typically consists of more than 85 inches of fine sand. This soil group has a water table deeper than 85 inches.

Review of Published Regional Geology

Alachua County straddles two physiographic provinces: Northern Highlands and Coastal Lowlands[3]. A broad karst escarpment known as the Cody Scarp separates these two provinces. This site generally lies within the Cody Scarp but is on the edge of the Coastal Lowlands.

The Northern Highlands, which lie north and east of the Cody Scarp, are underlain by a thick sequence of relatively impermeable Miocene to Pleistocene sediments. Because of this thick sequence of sediments, the Northern Highlands Province contains few karst features. This upland plateau is nearly level, sloping gently to the west, north and east. Elevation ranges from about 150 to 200 feet above sea level. The plateau, which originally extended completely across the county, has many swamps. Sinkholes are not common within the plateau, but a few are found near its margin.

[2] United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey.

[3] White, W.A., 1970. The Geomorphology of the Florida Peninsula. Florida Geological Survey, Bulletin 51.

Thin Plio-Pleistocene sediments overlying thin and discontinuous, residual Miocene strata and Eocene limestone characterize the Coastal Lowlands. Karst features are numerous in the Lowlands. The Lowlands region generally has low topographic relief; elevations range from about 50 to 80 feet above sea level. The Lowlands is devoid of stream channels, but it is dotted with sinks and limestone mines. While the Ocala Limestone is essentially near the surface in this region, many of the old sinks have become filled (some to a depth of 250 feet) with sand, clayey sand, and sandy clay. These soil materials come from marine submergence, soil creep and slumping, and stream transport from the Northern Highlands. This sinkhole fill tends to mask many of the karst irregularities of the Ocala surface.

The Cody Scarp, which separates the Northern Highlands from the Coastal Lowlands, contains large sinkholes, sinking streams, and other karst features. The bottoms of the karst features often penetrate to the Ocala Limestone and the depressions are usually filled with organic soils, fluvial and lacustrine sediments, and clay-rich soils. The hills within the scarp contain Miocene sediments similar to the Northern Highlands Province. Many of the large, flat-bottomed lakes and wet prairies are associated with the scarp and represent coalescent sinkholes known as poljes and uvalas. Many of these level prairies and lakes, most of which are near or below 60 feet NGVD, are associated with ground water levels.

Three major geologic formations occur at or near the surface within the county. These formations have influenced soil development. They are, in order of decreasing age, the Ocala Limestone of Eocene age, the Miocene to Pliocene Hawthorn Group, and the Plio-Pleistocene Terrace Deposits.

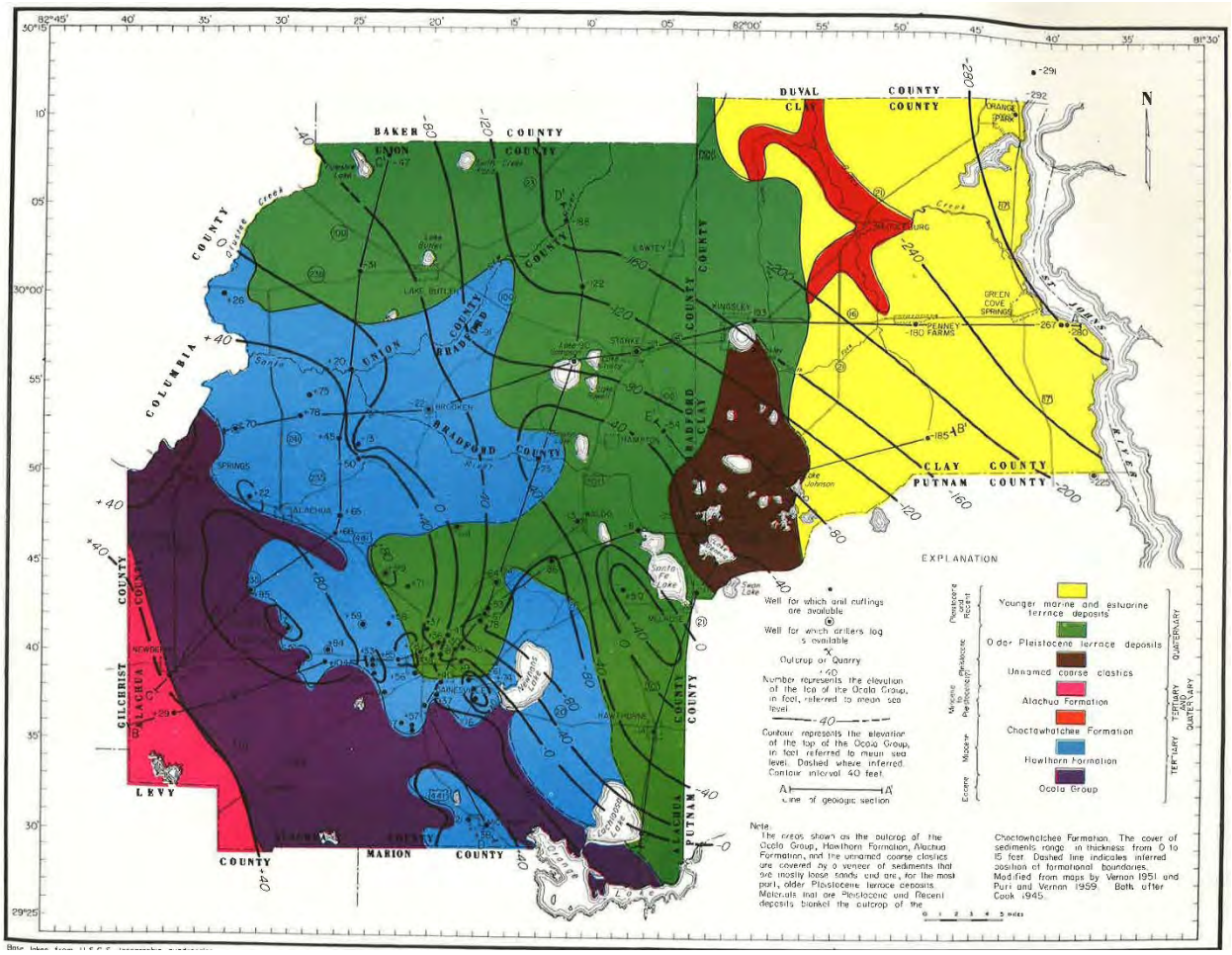
The Ocala Limestone underlies the entire county; exposures are common in the Coastal Lowlands in the southern and western parts of the county. Here a limestone plain is formed which is covered by a veneer of loose sand in most places. Thin and discontinuous beds of clay-rich soils may also occur in this region of the county. The Ocala Limestone consists of soft, white to cream colored, chalky, limestone that is approximately 98 percent calcium carbonate. Boulders and irregular masses of chert are common near the top. In many areas the Ocala is cavernous and fractured.

The Miocene Hawthorn Group includes at least three formations in Alachua County. These are, from bottom to top, the Penny Farms Formation, Marks Head Formation, and Coosawhatchie Formation[4]. All three formations consist of varying proportions of interbedded clay, sand, limestone, and dolostone, all of which are phosphatic. The Hawthorn Group crops out in isolated areas around the town of Micanopy and in an irregular pattern along the Cody Scarp from Lochloosa Lake northwestward through Gainesville and into the north-Northern and northwestern part of the County. Much of the outcrop area is hill and valley terrain created by the formation of karst features at the foot of the escarpment. A thin veneer of loose sands of the older Plio-Pleistocene Terrace deposits covers the Hawthorn Group of sediments in the Cody Scarp and Northern Highlands. The Hawthorn Group lies unconformably on the solution-pitted Ocala Limestone surface.

The most recent formation is a surface mantle of fine to medium sand, silt, and clay that formed as Pliocene and Pleistocene sea levels fluctuated and periodically inundated portions of the county. Primarily, the terrace deposits overlie the Hawthorn Group. They are exposed in the Northern and eastern parts of the county.

[4] Scott, T.M., 1988. The Lithostratigraphy of the Hawthorn Group (Miocene) of Florida. Florida Geological Survey, Bulletin No. 59.

The karst geology of the site is associated with the variability of the Ocala Limestone formation. The surface of the Ocala Limestone commonly approaches elevation 80 feet in the area of the Coastal Lowlands between Newberry and Alachua (south of Alachua). West of Alachua, the surface of the Ocala Limestone dips to elevation 40 feet[5]. Based upon this mapping, the surface of the Ocala Limestone should be in the vicinity of elevations 50 to 60 feet at this site. This mapping is shown below.



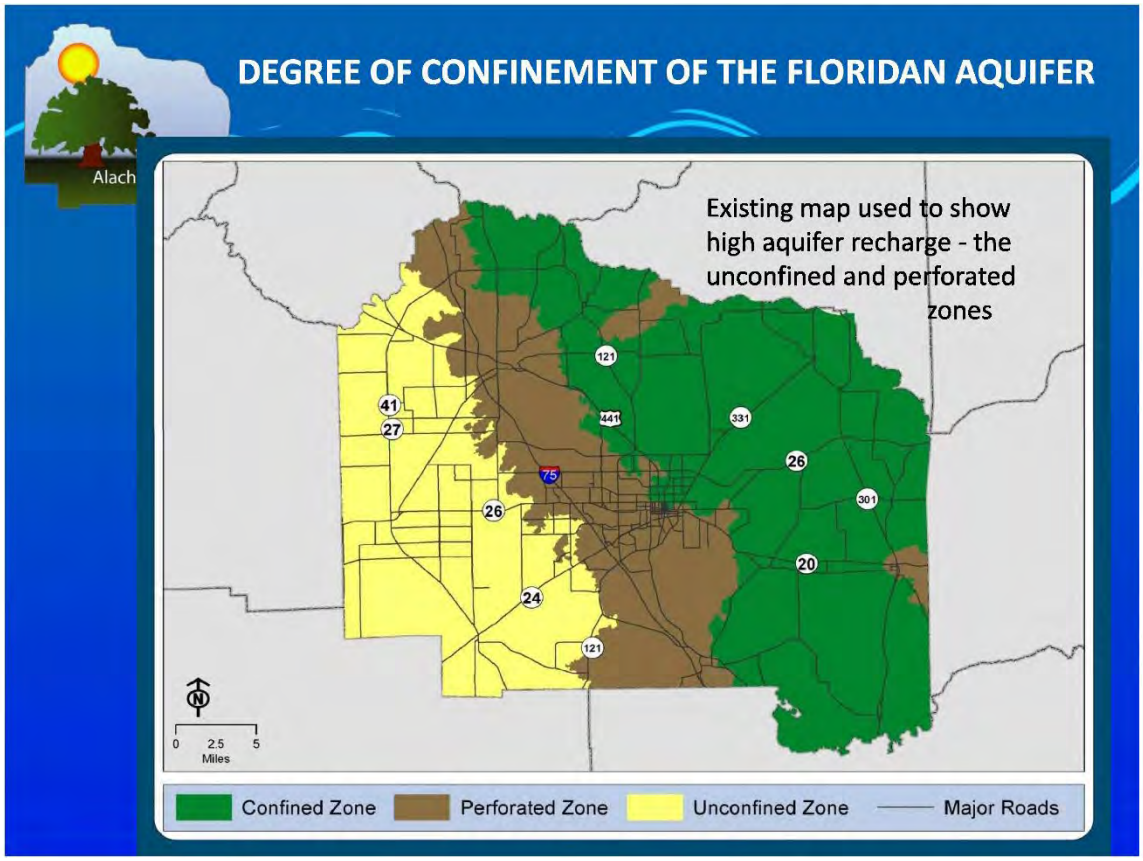
Topographic Map of Ocala Limestone Formation.

The site is located within the Cody Scarp geology in the northwestern portion of Alachua County. The primary geology features in this area are the Ocala Group Limestone and the Hawthorne Group sediments. These are described in more detail in the ANS Geo report. The majority of the site is mapped within the Ocala Group Limestone, while the northern portion of the site is within the Hawthorne Group sediments. However, based upon the findings from the soil borings performed at the site, the above map of the surface of the Ocala Limestone and our observation of the depressional features, it is our opinion all of the site is within the Hawthorne Group sediments, and the reasons for this are discussed in further detail where we review the ANS Geo findings.

[5] Florida Geological Survey, Report of Investigations No. 35, Water Resources of Alachua, Bradford, Clay and Union Counties, Florida, 1964.

Alachua County also separates areas of the County into Aquifer Recharge Zones. These zones are Unconfined, Perforated and Confined. The Unconfined Zone generally follows the area of the Coastal Lowlands geology. In the Unconfined Zone, the confining clay-rich soils are absent or sparse, allowing surface water to rapidly recharge the Floridan Aquifer. The Perforated Zone has areas that are unconfined and other areas that are partially to completely confined. Surface waters typically "leak" through the areas of perforation. The Unconfined and Perforated Zones typically do not have a continuous surficial groundwater table; surficial groundwater is typically a transient, perched condition. The Confined Zone is located in the Northern Highlands geology. Here the deep confining soils prevent the surface waters from rapidly infiltrating, resulting in a surficial groundwater table that is commonly present even in drought conditions.

Below is the County Map of the Aquifer Recharge Zones. This site is mapped at the transition from the Unconfined Zone to the Perforated Zone. Based upon the soil borings performed by ANS Geo, the site is in the Perforated Zone.



Map Showing Confinement of the Floridan Aquifer in Alachua County.

Review of the Floridan Aquifer Data

The Floridan Aquifer is the primary drinking water aquifer for most of the State. This aquifer is located within the limestone formation and occurs from recharge of stormwater. The Aquifer is generally confined in the Northern Highlands and most of the Cody Scarp regions, and is unconfined in the Coastal Lowlands.

The State of Florida monitors the potentiometric surface of the Floridan Aquifer and routinely publishes contour maps, similar to topographic maps, showing the potentiometric surface elevation of the Aquifer. This elevation can vary by as much as 10 feet or more, depending upon rainfall conditions. The 1980 contour map[6] shows the potentiometric surface of the Floridan Aquifer to be near elevation 40 in the area southwest of Alachua. The 2005 contour map[7] shows a similar 40 feet elevation.

Review of Historical Aerials

As part of our peer review, we reviewed historical aerials of the site to observe any changes in the site. We observed aerials from 1937, 1949, 1964, 1971, 1982 and 1994 obtained from FDOT or the UF Science Library (attached in the Appendix). Additionally, we reviewed more recent Google aerials.

The 1937 aerial is of low quality, but shows that the majority of the site is open pasture. Woods are present around the step sloped depression and east of this depression. The broad depression is open pasture. The small filled depression appears as a small wooded area. The small depression along the north property line is not apparent, as this is within a wooded area. There is a homestead along the south property line, west of the current entrance drive.

The 1949 aerial is of better quality, and shows no significant change since 1937.

The 1964 aerial shows the western portion of the site has been planted in pine trees. The remainder of the site is generally unchanged.

The 1971 aerial is mostly unchanged from 1964. The planted pine trees at the western portion of the site are more mature. Two barns have been constructed in the center of the site which still exist. The main entrance road has been moved a few hundred feet to the east.

In the 1982 aerial, the planted pine trees at the western portion of the site have been harvested, and new pine trees have been planted, again encompassing the large broad depression. There is ground disturbance southwest of the barns, in the area that is believed to be the abandoned silage storage area. The remainder of the site remains unchanged.

In the 1994 aerial, the planted pine trees are more mature. The area of ground disturbance southwest of the barns is more defined, and shows this is likely a silage storage facility. Three irrigation booms have been added to the eastern portion of the site. Most of the buildings at the homestead have been removed. The remainder of the site remains mostly unchanged.

The recent 2018 aerial shows the site mostly in its current condition. The small depression at the east edge of the woods has been filled and is no longer apparent. The remainder of the buildings around the homestead have been removed. The western portion of the site is in mature planted pines; these pines were recently harvested. The area of the silage storage is mostly abandoned. The irrigation booms are no longer present.

[6] Open File Report 80-1199, Potentiometric Surface Map of the Floridan Aquifer in Alachua County, Florida, 1980.

[7] Potentiometric Surface of the Upper Floridan Aquifer in the Suwannee River Water Management District, May 2005.

Overall, the historical aerials show little significant change in the site, other than what is expected for improvements in agricultural service. The aerials show little change in the appearance of the steep sloped depression in the southwest portion of the site. This is expected, as relic sinkholes typically require hundreds to thousands of years to appreciably change. The aerials do not have indicators of prolonged standing water in the lower elevations, even in the large broad depression in the southwest portion of the site. In fact, pine trees were planted two times through this broad depression which confirms that this low area does not have standing water for any appreciable time.

Review of ANS Geo Report

ANS Geo performed a geotechnical study at the site that included soil borings and geophysical investigation methods, laboratory testing, field in-situ infiltration tests, load testing of typical foundation elements and an evaluation of their findings.

ANS Geo performed a total of thirty-four soil borings at the site. Borings B-01 through B-10 were Standard Penetration Test (SPT) soil borings advanced to a depth of 20 feet. Borings B-BESS-01 and B-SS-01 were SPT borings advanced to depths of 55 and 50 feet, respectively. Borings IB-01 through IB-22 were SPT borings advanced to a depth of 10 feet.

The soil borings performed at the site generally encountered a relatively consistent subsurface profile of sand overlying clayey sand and sandy clay to clay soils. The depth of the surficial sands ranged from about 2 to 17 feet, but at most locations was on the order of 4 to 8 feet deep.

Limestone was encountered only at location B-BESS-01 at a depth of 52.5 feet. Boring B-BESS-01 had three isolated instances of drilling fluid circulation loss at depths of 17, 22 and 40 feet, but circulation returned after an additional one foot of drilling progressed. This is normal drilling conditions in clay-rich soils in Alachua County, and is not an indicator of sinkhole activity. The clay was soft just above the limestone at a depth of 50 feet, but this is common and is related to the epikarst zone. The epikarst zone is the transition from soil to limestone, and is commonly highly weathered and soft. This soft condition also is not an indicator of sinkhole activity.

Groundwater was encountered only at three locations at depths of 12 to 13 feet. The soil borings were performed in April 2023 during the dry season.

ANS Geo performed in situ, field infiltration tests at twenty-two locations. The tests were generally performed at depths of 4.5 to 8 feet. The tests resulted in infiltration rates ranging from 0 to 720 inches per hour, with a median infiltration rate of 22 inches per hour.

ANS Geo performed electrical resistivity imaging (ERI) at three areas at the site. ERI Survey Line 1 was located near the north property line near the northwest portion of the site, ERI Survey Lines 2, 3 and 5 were located along the perimeter or north of the steep sloped depression and ERI Survey Line 6 was located near the infilled depression. ERI survey Line 4 was not performed due to accessibility constraints.

ERI is a geophysical method that uses electrical current, or in this case, the resistance to electrical current flow, to estimate the varying soil and rock layers that are present. Soil type (sand, silt clay and rock) can be estimated based upon the apparent resistivity. The data is used to draw cross-sections of apparent resistivity, which can be interpreted to be the various soil and rock layering. In karst geology, the testing is used to identify possible breaches and dips in the rock formation, as well as possible cavities and zones of soil subsidence. Soil borings are typically performed to confirm (ground truth) the ERI findings.

ANS Geo mapped the various soil and rock layering based upon accepted resistivity values. ERI-1 detected the limestone formation at depths of about 20 to more than 40 feet. ERI-2, 3 and 5 did not detect indicators of limestone within the estimated 120 feet of penetration depth. ERI-6 detected limestone at depths of 20 to more than 40 feet, with a possible breach in the limestone for a lateral distance of about 50 feet. ANS Geo provided a plan with recommended setbacks for three areas of highly karst geology (the three areas of relic sinkholes).

ANS Geo did not perform ground penetrating radar (GPR) at the site. Based upon our review of the soil borings performed at the site, GPR would not likely provide any significant data due to the attenuation (absorption) of the GPR signal by the clay-rich soils.

Evaluations

ANS Geo performed a geotechnical study at the site and our review of the *Geotechnical Report* has found no interpretation that are substantially different than our opinions based upon the conditions encountered. ANS Geo prepared a well-documented discussion of the regional geology, but we are providing additional discussion of the regional geology and risk for sinkhole development based upon our experience in this area. Additionally, we are providing a discussion of the drainage characteristics of the site.

The proposed Pleasant Solar Project is located west of Alachua, Florida in the Cody Scarp transition region between the Coastal Lowlands and Northern Highlands geology. ANS Geo performed thirty-four soil borings at the site to depths of 10 to 55 feet. All but two of the soil borings were terminated at 20 feet deep or less. Only soil boring B-BESS-01 encountered limestone, which was at a depth of 52 feet. Based upon the topographic survey prepared by CHW, the elevation of the limestone formation is estimated to be 58 feet at location B-BESS-01. This corresponds well with the mapping of the Florida Geological Survey, Report of Investigations No. 35, that shows the surface of the Ocala Limestone to on the order of elevations 50 to 60 feet in this area. If this same limestone elevation is applied for the remainder of the site, this indicates limestone is on the order of 25 to 35+ feet below land surface. This correlates well with the remainder of the soil borings, which did not encounter limestone within a depth of 20 feet.

It is our opinion the Ocala Limestone geological region mapping and the Alachua County Unconfined Recharge Zone mapping are not correct for this site. The Ocala Limestone geological region has common soil strata of discontinuous sands and clays overlying a shallow and highly pinnacled limestone formation. Soil borings performed in Coastal Lowlands geology typically encounter limestone within a depth of 20 feet. This did not occur at this site. All of the soil borings, with the exception of boring B-06, have a soil profile of sand overlying continuous clay and silt-rich confining soils. Boring B-06 encountered a sand layer beneath the clay-rich soils, suggesting perforated geology conditions are present. The soil borings suggest the geology is perforated and not unconfined, and is more consistent with the Hawthorne Group of the Cody Scarp and not the Coastal Lowlands geology and Ocala Limestone mapping. Perforated geology occurs where the confining soils are discontinuous. It is our opinion the site is located within the Perforated Zone, and the absence of a surficial groundwater table is likely the result of leakage of the surficial groundwater through the perforated zones.

The soil borings encountered groundwater at three locations at depths of 12 to 13 feet. The geophysical testing performed around the depressions interpreted moist soil conditions typical of groundwater at approximately 15 feet deep. This data suggests there is a perched groundwater table present at the site, which is not consistent with the Coastal Lowlands geology. Groundwater was not determined in the remainder of the soil borings, and this may be due to the mud rotary method of advancing the borings or from seasonal variations in the depth of the groundwater table, but is most likely from the site being perforated. The perched groundwater table is a transient condition related to seasonal rainfall and localized rainfall intensity. The soil borings were performed in April 2023 during the dry season, when a perched groundwater table may not be present.

The risk for sinkhole development in Alachua County varies significantly depending upon the location within the County. The Coastal Lowlands region has the highest risk for sinkhole development. The risk for sinkhole development is less in the Cody Scarp and substantially less in the Northern Highlands. The risk for sinkhole development is entirely related to the depth to the limestone formation and the soil types that overly the limestone.

Sinkholes in Alachua County are commonly the result of stormwater concentration infiltrating into the ground and eroding sandy soils through cracks in the clay and limestone formation, resulting in a sudden cover collapse sinkhole. This risk is the highest where the geology is unconfined, and where limestone is relatively shallow (generally less than 20 feet deep). As the depth to limestone increases, the overlying clay-rich confining soils becomes more uniform, which lessens sinkhole risk. The low permeability of the clay-rich soil reduces rapid infiltration, which reduces the risk for subsurface soil erosion and collapse. In the Coastal Lowlands, surficial water sources may only be 10 feet above the limestone formation. In the Northern Highlands, surficial water sources are commonly more than 100 feet above the limestone formation.

There are three depressions on the site and one filled depression. All of these features are likely relic sinkholes. Relic sinkholes are sinkholes that developed in the geologic past. Most sinkholes in Alachua County are cover collapse sinkholes which suddenly occur. This results in a steep sided depression. Over time, the side slopes erode into the depression creating a bowl-shaped depression. It is generally accepted that steep sided sinkholes are geologically “young” compared to broad, bowl-shaped depressions that are geologically “old”.

Considering this, the broad bowl-shaped depression at the southwestern portion of the site is geologically old, and the adjacent steep sided depression is geologically young. The ERI testing that was performed in this area did not detect limestone within 60 to 120 feet deep. This suggests these two depressions are likely at the location of a very geologically old, infilled relic sinkhole that redeveloped two subsidences in the geologic past.

The ERI testing that was performed at the small depression along the north property line and the location of the filled depression indicates these are relic sinkhole features. The testing suggests there are infilled breaches in the limestone formation. The estimated depth to limestone varies from about 20 to more than 50 feet deep.

ANS Geo provided recommended setback distances from the relic sinkhole features. These recommended setbacks ranged from 35 to 100 feet. We generally do not disagree with these setbacks, but suggest lesser setbacks for the broad depression at the southwest portion of the site and the filled depression.

It is our opinion the risk for sinkhole development at this site is lower than what would be expected for the general area of Alachua County, and this is due to the limestone formation being deeper than what is typical of the area. In our opinion, this is due to the localized deepening of the limestone formation as shown by the mapping, and because the limestone is covered with a more uniform confining layer consistent with the Hawthorne Formation geology, compared to what is typical of the Coastal Lowlands geology. Further, the relic depression in the limestone formation filled with clay-rich soil at the southwestern portion of the site as shown by the ERI screening should have an even lower risk for sinkhole development. It is our opinion the risk associated with the relic sinkholes is from the potential for additional erosion to occur, broadening the side slopes of the depressions. In our opinion, the risk for slope erosion is low at the broad depressions and infilled depression, and high at the steep sided depression. We agree the 100 feet setback from the steep sided depression is appropriate. We believe the 100 feet setback for the large broad depression and the filled depression is very conservative, and can be lessened to 50 feet. We believe a setback of 35 is appropriate for the small depression along the north property line.

We understand you propose to use the natural topography of the site to collect and infiltrate stormwater runoff in the natural low areas. It is our opinion this is the best stormwater management practice. Since you will not be excavating any stormwater basins, you will not be changing how stormwater infiltrates into the ground or reducing the separation of the water source and the limestone formation. Further, it is our opinion that the construction of the solar panel structures does not create impervious conditions; the stormwater will runoff onto the ground directly below the panels just as though the panels were not present. Normal infiltration and runoff collection in natural low areas will occur just as though the site was not developed. Therefore, it is our opinion the risk for sinkhole development will be no different post-development than the pre-development conditions.

ANS Geo provided soil and groundwater parameters to assist with the modeling of the stormwater recovery. These conditions consider that the site is in confined geology, with a confining layer on the order of 12 feet deep and a perched seasonal highwater table. It is our opinion considering the site to be in confined geology is extremely conservative, since there is much published data to confirm the site is within the Perforated Zone. If the above parameters are used to model the recovery at the site, we believe the modeling will significantly underestimate the recovery.

As an alternate, we would suggest modeling the recovery considering perforated conditions. For perforated conditions, there is no confining layer (the Floridan Aquifer is vast and hundreds of feet deep) but it is typically set at elevation 0. The seasonal high-water table is the potentiometric surface of the Floridan Aquifer which is on the order of elevation 40 feet (elevation 45 feet should be used to provide some safety factor). The vertical and horizontal hydraulic conductivities should be a weighted average of the sandy soils and the clay-rich soils, and typically are on the order of 2 feet per day or less. The fillable porosity is typically 20 percent. These parameters are more typical of this site and perforated geological conditions for the area.

Limitations

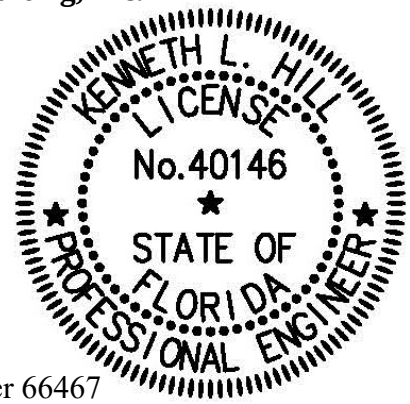
This report has been prepared for our client for his exclusive use, in accordance with generally accepted geotechnical engineering practices, and makes no other warranty either expressed or implied as to the professional advice provided in the report.

Closure

GSE appreciates this opportunity to provide these engineering services to you on this important matter. If you have any questions, or if we can provide any additional information, please contact us.

Sincerely,

GSE Engineering & Consulting, Inc.



This item has been digitally signed and sealed by

on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Jason E. Gowland, P.E.
Principal Engineer
Florida Registration Number 66467

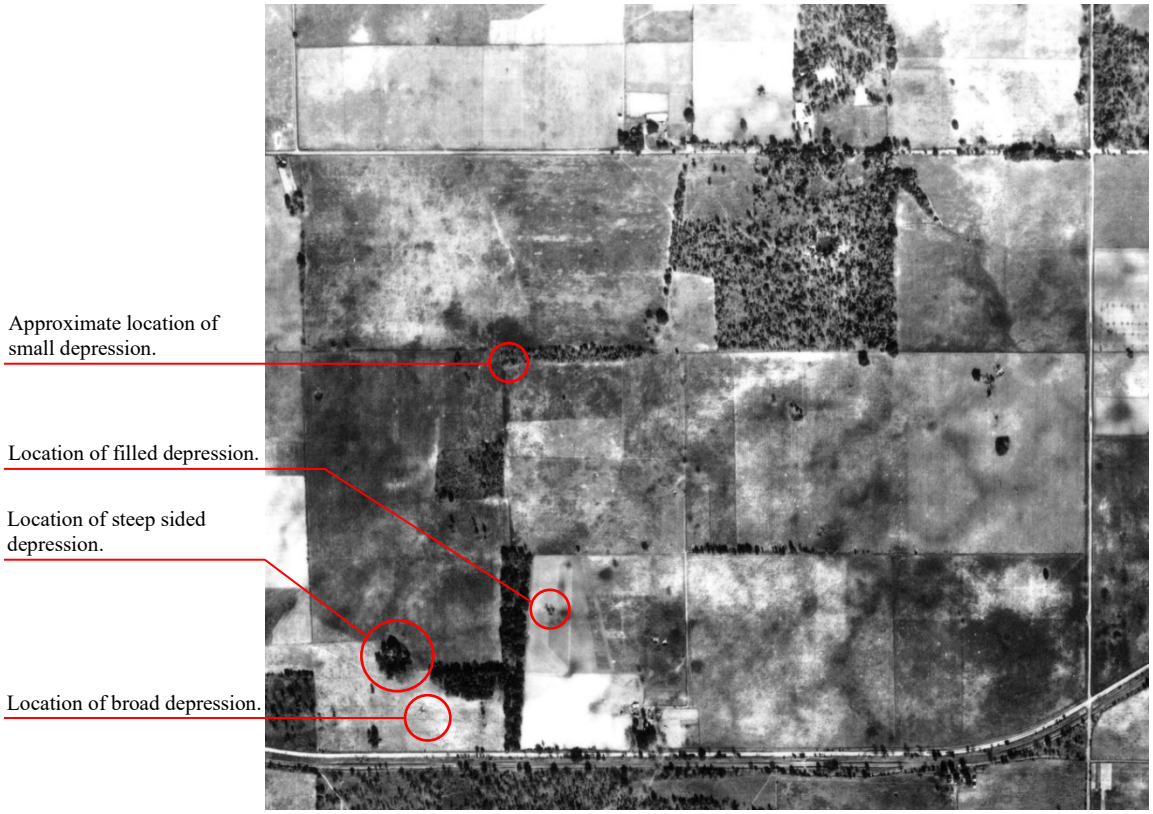
Kenneth L. Hill, P.E.
Principal Engineer
Florida Registration Number 40146

JEG/KLH:hmp
Q:\Projects\16203 Proposed Pleasant Solar Project\16203 Peer Review.docx

Appendix: 1937, 1949, 1964, 1971, 1982, 1994 and 2018 Aerials

Distribution: Addressee (1)
File (1)

APPENDIX



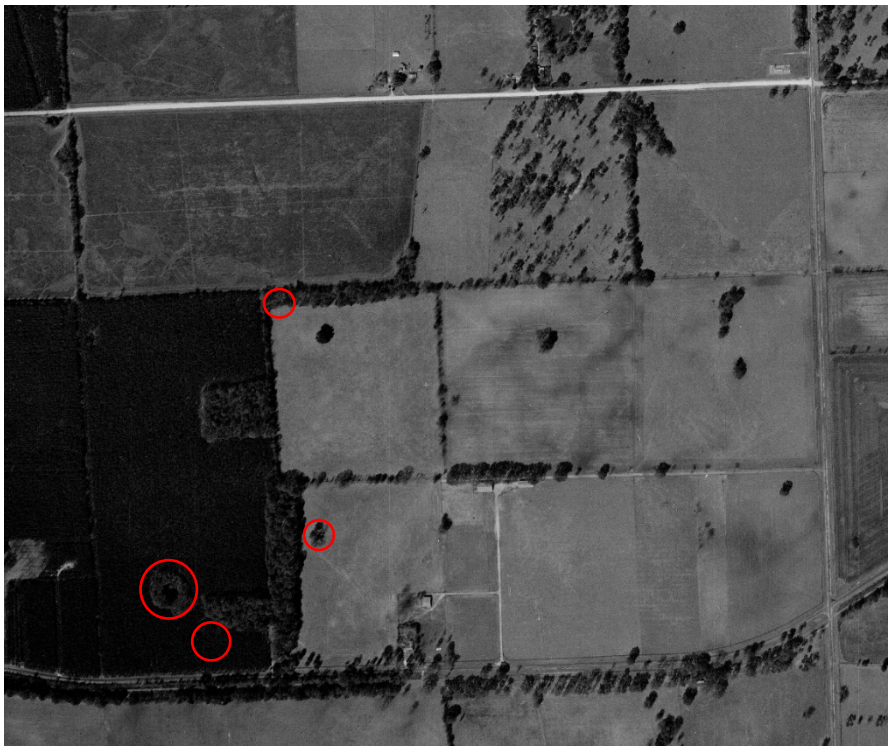
1937 Aerial



1949 Aerial



1964 Aerial



1971 Aerial



1982 Aerial



1994 Aerial



2018 Aerial

Soil Boring Log

B-01

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.779201 N, -82.527547 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/05/23 10:17 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/05/23 10:50 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	12	2 3 3 2	6	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-	
	S-2	10	3 2 2 2	4		Very loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
5	S-3	12	2 4 4 5	8	ML	Medium stiff, light brown Sandy SILT, some Clay, moist (ML)	L	L	3	-	Mottling present
	S-4	16	5 8 7 13	15	CL	Stiff, light brown to yellowish red Sandy CLAY, little Silt, moist (CL)	M	M	2.5	-	Mottling present
	S-5	24	5 5 5 6	10		Stiff, light brown to brownish yellow Sandy CLAY, little Silt, wet (CL)	M	M	2.5	-	Started mud rotary at 8 feet BGS
10											
	S-6	20	4 4 5 7	9		Stiff, light brown to brownish yellow Gravelly CLAY, little fine Sand, little Silt, wet (CL)	L	M	2	-	Mottling present
15											
	S-7	14	5 7 8 9	15	ML	Stiff, light brown to brownish yellow Sandy SILT, some Clay, wet (ML)	L	L	0.5	-	Mottling present
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-02

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.777674 N, -82.530472 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 04:26 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 04:52 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	8	2 3 3 1	6	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-	2" Topsoil
	S-2	10	1 1 1 1	2		Very loose, brownish yellow fine SAND, little Silt, dry (SM)			-	-	
5	S-3	8	1 1 0 1	1		Very loose, brownish yellow fine SAND, some Silt, dry (SM)			-	-	
	S-4	12	1 1 2 2	3		Very loose, brownish yellow Silty fine SAND, little Clay, dry (SM)			-	-	
	S-5	10	3 3 4 4	7	CL	Medium stiff, brownish yellow Sandy CLAY, some Silt, moist (CL)	L	M	-	-	
10											Started mud rotary at 10 feet BGS
	S-6	16	4 6 4 4	10		Stiff, brown to light brown Sandy CLAY, little Silt, wet (CL)	M	M	2.5	-	
15											
	S-7	20	5 8 13 12	21		Very stiff, light brown Silty CLAY, some fine Sand, wet (CL)	M	M	3.25	-	
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

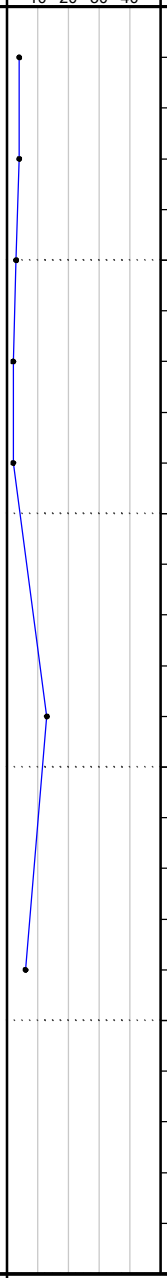
Soil Boring Log

B-03

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.775323 N, -82.527646 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 03:37 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 04:07 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	10	1 2 2 2	4	SM	Very loose, brown fine SAND, little Silt, dry (SM)			-	-
	S-2	12	3 2 2 3	4		Very loose, brown fine SAND, little Silt, dry (SM)			-	-
5	S-3	8	1 1 2 6	3	SP	Very loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-
	S-4	16	1 1 1 2	2	SM	Very loose, brownish yellow fine SAND, little Silt, dry (SM)			-	-
	S-5	12	1 1 1 2	2	SP	Very loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-
10										
	S-6	12	3 5 8 7	13	CL	Stiff, light brown Silty CLAY, little fine Sand, wet (CL)	M	M	2.5	-
15										
	S-7	22	4 4 2 2	6		Medium stiff, light brown Silty CLAY, little fine Sand, trace fine Gravel, wet (CL)	M	M	1.5	-
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.				



Drilling & Strata Notes

- 2" Topsoil
- Started mud rotary at 10 feet BGS
- Mottling present
- Mottling present

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-04

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.772671 N, -82.528201 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 02:57 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 03:25 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	12	2 3 4 4	7	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-	
	S-2	8	3 2 2 2	4		Very loose, brown fine SAND, little Silt, dry (SM)			-	-	
5	S-3	12	1 1 2 1	3	SP	Very loose, brownish yellow fine SAND, dry (SP)			-	-	
	S-4	14	2 2 2 2	4		Very loose, brownish yellow fine SAND, trace Silt, moist (SP)			-	-	
	S-5	12	2 3 3 4	5		Very loose, brownish yellow fine SAND, trace Silt, moist (SP)			-	-	
10											Started mud rotary at 10 feet BGS
	S-6	12	9 7 6 8	13	ML	Stiff, light gray Clayey SILT, some fine Sand, wet (ML)		L	2.5	-	Mottling present
15											
	S-7	16	4 4 5 6	9	SC	Stiff, light brown Clayey fine SAND, some Silt, trace fine Gravel, wet (SC)	M	M	-	-	Mottling present
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-05

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773597 N, -82.531945 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 01:36 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 02:00 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	8	1 2 3 2	5	SM	Very loose, brown fine SAND, little Silt, dry (SM)			-	-	
	S-2	12	4 2 2 2	4	SP	Very loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-	
5	S-3	14	2 1 2 1	3		Very loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-	5
	S-4	16	2 2 3 2	5		Very loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-	
	S-5	16	2 2 2 3	4	SM	Very loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
10											10 Started mud rotary at 10 feet BGS
	S-6	22	5 5 7 7	12	ML	Stiff, light brown Sandy SILT, little Clay, wet (ML)	M	L	2.5	-	
15											15
	S-7	20	8 6 7 8	13		Stiff, light brown Sandy SILT, some Clay, wet (ML)	M	L	2.5	-	Mottling present
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					20

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

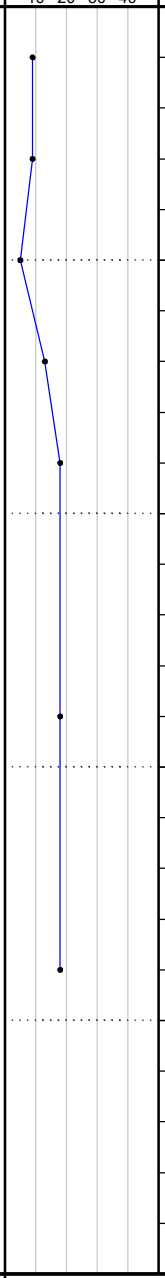
B-06

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.776144 N, -82.534051 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 12:58 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 01:23 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	16	1 4 5 5	9	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-
	S-2	8	6 5 4 4	9	SP	Loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-
5	S-3	8	3 2 3 4	5	CL	Medium stiff, light brown to yellowish red Sandy CLAY, little Silt, moist (CL)	L	M	1.5	-
	S-4	24	5 6 7 8	13		Stiff, brown to yellowish red Sandy CLAY, some Silt, moist (CL)	L	M	1.5	-
	S-5	18	7 8 10 9	18	SC	Medium dense, brown to brownish yellow Clayey fine SAND, little Silt, moist (SC)			-	-
10										
	S-6	10	8 9 9 8	18	SP	Medium dense, brown to light brown fine SAND, trace Silt, trace Clay, wet (SP)			-	-
15										
	S-7	8	6 7 11 8	18		Medium dense, light brown fine SAND, trace Silt, wet (SP)			-	-
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.				

N-Value



Drilling & Strata Notes

- 2" Topsoil
- Mottling present (5 ft)
- Mottling present (5 ft)
- Mottling present (10 ft)
- Started mud rotary at 10 feet BGS

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

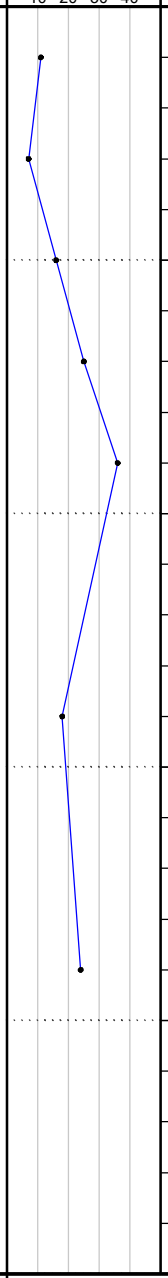
Soil Boring Log

B-07

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.772904 N, -82.535488 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 02:09 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 02:50 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	14	2 6 5 3	11	SP	Medium dense, brown fine SAND, trace Silt, dry (SP)			-	-	4" Topsoil
	S-2	18	3 3 4 6	7	CL	Medium stiff, brown to brownish yellow Sandy CLAY, moist (CL)	M	M	3.0	-	
5	S-3	14	5 7 9 14	16		Very stiff, brown to brownish yellow Sandy CLAY, moist (CL)	M	M	3.0	-	Mottling present
	S-4	16	13 12 13 8	25	SC	Medium dense, brownish yellow to light brown Clayey fine SAND, moist (SC)			-	-	Mottling present
	S-5	18	15 20 16 17	36		Dense, brownish yellow to light brown Clayey fine SAND, moist (SC)			-	-	Mottling present
10											Started mud rotary at 10 feet BGS
	S-6	18	9 9 9 9	18		Medium dense, light brown Clayey fine SAND, trace Silt, wet (SC)			-	-	
15											
	S-7	20	9 11 13 14	24		Medium dense, light brown fine SAND, some Clay, little Silt, wet (SC)			-	-	
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)
04/05/23 04:00 PM	AD			12

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-08

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.777139 N, -82.537191 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 11:07 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 11:39 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	8	1 2 3 3	5	SM	Very loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	2" Topsoil
	S-2	12	5 4 3 3	7		Loose, brownish yellow fine SAND, little Silt, dry (SM)			-	-	
5	S-3	18	2 2 3 6	5	ML	Medium stiff, brownish yellow Sandy SILT, little Clay, dry (ML)	L	L	-	-	
	S-4	18	4 8 9 11	17	CL	Very stiff, brown to light brown Sandy CLAY, little Silt, moist (CL)	M	M	2	-	Mottling present
	S-5	8	5 12 14 3	26	ML	Very stiff, light brown Sandy SILT, little Clay, moist (ML)	M	L	2.5	-	Mottling present
10											Started mud rotary at 10 feet BGS
	S-6	20	6 5 10 11	15		Stiff, light brown Sandy Silt, some Clay, trace fine Gravel, wet (ML)	M	M	3	-	Mottling present
15											
	S-7	20	6 8 9 11	17		Very stiff, light gray Sandy SILT, some Clay, wet (ML)	L	L	-	-	Slight mottling present
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)
04/06/23 11:30 AM	AD			13

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-09

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.776463 N, -82.541432 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/06/23 10:03 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/06/23 10:34 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	12	1 2 2 3	4	SP	Very loose, brown to brownish yellow fine SAND, trace Silt, dry (SP)			-	-	2" Topsoil
	S-2	14	3 1 2 2	3		Very loose, brown to brownish yellow fine SAND, trace Silt, dry (SP)			-	-	
5	S-3	12	2 2 2 3	4		Very loose, light brown fine SAND, moist (SP)			-	-	
	S-4	16	5 5 9 10	14	CL	Stiff, brownish yellow Sandy CLAY, some Silt, moist (CL)	L	M	2	-	Mottling present
	S-5	16	9 8 11 13	19		Very stiff, brownish yellow Sandy CLAY, little Silt, moist (CL)	M	M	2	-	Mottling present
10											Started mud rotary at 10 feet BGS
	S-6	22	5 7 9 11	16	ML	Very stiff, light brown Sandy SILT, some Clay, trace coarse to fine Gravel, wet (ML)	M	L	5	-	Mottling present
15											
	S-7	14	5 6 7 9	13	CL	Stiff, light brown Sandy CLAY, some Silt, wet (CL)	M	M	2	-	Mottling present
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-10

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774401 N, -82.540138 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/06/23 12:12 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/06/23 12:40 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
0	S-1	8	1 1 2 2	3	SP	Very loose, brown to brownish yellow fine SAND, trace Silt, dry (SP)			-	-	
	S-2	16	2 2 1 2	3		Very loose, brown to brownish yellow fine SAND, dry (SP)			-	-	
5	S-3	14	2 1 2 2	3		Very loose, brown to brownish yellow fine SAND, moist (SP)				-	Mottling present
	S-4	18	2 4 5 6	9	CL	Stiff, brownish yellow Sandy CLAY, some Silt, trace coarse to fine Gravel, moist (CL)	L	M	2	-	
	S-5	24	8 10 11 12	21	ML	Very stiff, brown to light brown Sandy SILT, some Clay, trace fine Gravel, moist (ML)	M	L	3.5	-	Mottling present
10											Started mud rotary at 10 feet BGS
	S-6	24	5 6 7 5	13	CL	Stiff, light brown Sandy CLAY, some Silt, wet (CL)	L	M	2.5	-	Mottling present
15											
	S-7	20	4 5 6 5	11	ML	Stiff, light brown Sandy SILT, some Clay, wet (ML)	L	L	1	-	
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)
04/07/23 09:00 AM	AD		20	12

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

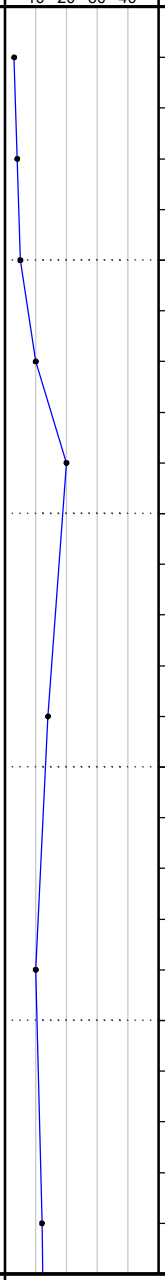
Soil Boring Log

B-BESS-01

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.780751 N, -82.528811 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 06:41 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/05/23 10:00 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	16	1 1 2 2	3	SM	Very loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
	S-2	20	5 2 2 2	4		Very loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
5	S-3	18	2 2 3 3	5		Very loose, brownish yellow fine SAND, some Silt, little Clay, dry (SM)			-	-	
	S-4	18	4 4 6 6	10	ML	Stiff, light brown Sandy SILT, some Clay, moist (ML)	L	L	2.5	-	Mottling present
	S-5	18	7 9 11 8	20		Very stiff, brown to light brown Sandy SILT, little Clay, moist (ML)	L	L	2.25	-	Severe mottling present
10											Started mud rotary at 10 feet BGS
	S-6	16	2 6 8 11	14		Stiff, light brown Clayey SILT, little fine Sand, wet (ML)	H	L	3.0	-	Severe mottling present
15											Lost water circulation for 1 foot
	S-7	22	3 4 6 9	10	CL	Stiff, brown to light brown CLAY, some Silt, little fine SAND, wet (CL)	H	M	2.5	-	Severe mottling present
20											Lost water circulation for 1 foot
	S-8	24	5 7 5 9	12		Stiff, light brown Sandy CLAY, some Silt, wet (CL)	M	M	2.0	-	Mottling present



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

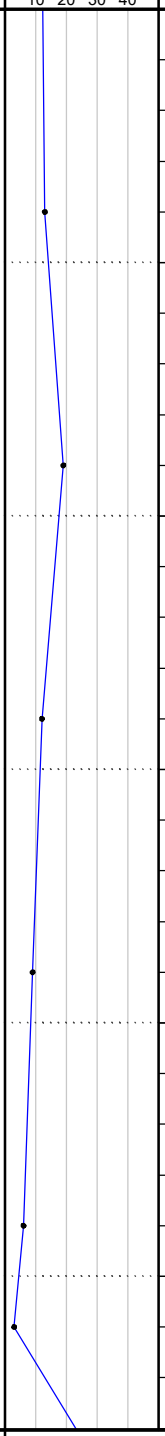
▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-BESS-01
(Continued)

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.780751 N, -82.528811 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 06:41 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/05/23 10:00 AM	**Vert. Datum:**	Grade

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
					CL						
	S-9	24	3 5 8 7	13	ML	Stiff, light brown Sandy SILT, little Clay, wet (ML)	L	L	1.5	-	Mottling present
30											30
	S-10	16	6 8 11 11	19	SM	Medium dense, light brown Silty fine SAND, little Clay, wet (SM)			-	-	Mottling present
35											35
	S-11	18	5 5 7 7	12		Stiff, light brown to brownish yellow Sandy SILT, some Clay, wet (ML)	L	L	2.0	-	Mottling present
40											40 Lost water circulation for 1 foot
	S-12	8	6 5 4 50/3"	9	ML	Stiff, light brown Gravelly SILT, some Clay, little fine Sand, wet (ML)	L	M	-	-	
45											45
	S-13	14	1 3 3 3	6		Medium stiff, light brown to brownish yellow Clayey SILT, some weathered Limestone, little fine Sand, wet (ML)	L	M	0.5	-	
50											50
	S-14	8	1 1 2 3	3		Very soft, light brown to brownish yellow Gravelly SILT, some Clay, little fine Sand, wet (ML)	L	L	-	-	
					GP						



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-BESS-01
(Continued)

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.780751 N, -82.528811 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 06:41 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/05/23 10:00 AM	**Vert. Datum:**	Grade

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Graphic Log	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	N-Value (10 20 30 40)	Drilling & Strata Notes
55	S-15	12	6 16 17 19	33	GP		Hard, light brown WEATHERED LIMESTONE, little fine Sand, little Silt, trace Clay, wet (GP)			-	-		
							End of borehole at 55 feet BGS. Borehole backfilled with soil cuttings.						
60													
65													
70													
75													
80													

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-SS-01

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.780658 N, -82.527474 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 05:08 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 06:23 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	10	2 3 3 2	6	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
	S-2	8	3 2 2 1	4	SP	Very loose, brown to brownish yellow fine SAND, dry (SP)			-	-	
5	S-3	12	2 2 1 1	3		Very loose, brown to brownish yellow fine SAND, dry (SP)			-	-	
	S-4	16	2 1 2 1	3		Very loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-	
	S-5	16	3 2 2 2	4		Very loose, brownish yellow fine SAND, dry (SP)			-	-	
10											Started mud rotary at 10 feet BGS
	S-6	10	4 4 5 8	9	SM	Loose, yellowish red fine SAND, some Silt, wet (SM)			-	-	
15											
	S-7	12	6 8 12 19	20	SC	Medium dense, brownish yellow to light brown fine SAND, some Clay, little Silt, wet (SC)			-	-	
20											
	S-8	24	7 6 8 11	14	CL	Stiff, light brown Silty CLAY, some fine Sand, wet (CL)	M	M	3.5	-	Mottling present

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

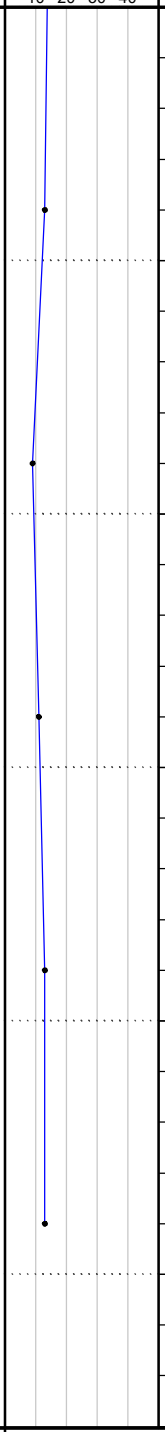
▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-SS-01
(Continued)

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.780658 N, -82.527474 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 05:08 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 06:23 PM	**Vert. Datum:**	Grade

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
30	S-9	24	5 6 7 8	13	CL	Stiff, brownish yellow to light brown CLAY, some fine Sand, little Silt, wet (CL)	H	M	2.0	-	Severe mottling present
35	S-10	24	4 4 5 7	9		Stiff, light brown to brownish yellow Sandy CLAY, little Silt, wet (CL)	M	M	2.0	-	Mottling present
40	S-11	20	4 5 6 7	11	SC	Medium dense, light brown to brownish yellow Clayey fine SAND, little Silt, wet (SC)			-	-	Mottling present
45	S-12	16	7 6 7 7	13		Medium dense, light brown to brownish yellow Clayey fine SAND, trace Silt, wet (SC)			-	-	Mottling present
50	S-13	20	7 7 6 7	13		Medium dense, light brown to brownish yellow Clayey fine SAND, little Silt, wet (SC)			-	-	Mottling present
						End of borehole at 50 feet BGS. Borehole backfilled with soil cuttings.					



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-01

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773439 N, -82.534209 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 12:14 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/02 12:29 PM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	12	2 3 6 10	9	SP	Loose, brown fine SAND, trace Silt, dry (SP)			-	-	4" Topsoil
	S-2	18	5 3 4 5	7	CL	Medium stiff, brown to light brown Sandy CLAY, moist (CL)	M	M	2.0	-	Mottling Present
5	S-3	20	8 11 12 14	23		Very stiff, brown to light brown CLAY, some fine SAND, moist (CL)	M	M	3.0	-	Mottling Present
	S-4	20	10 11 14 15	25		Very stiff, light brown CLAY, trace fine Sand, moist (CL)	H	M	>5.0	-	Mottling Present
	S-5	18	13 19 17 18	36		Hard, light brown CLAY, trace fine Sand, moist (CL)	M	M	>5.0	-	
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-02

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.772743 N, -82.534379 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 11:18 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 11:35 AM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	20	3 6 6 5	12	SP	Medium dense, brown fine SAND, trace Silt, dry (SP)			-	-	4" Topsoil
	S-2	20	3 3 4 2	7	SC	Loose, brown to brownish yellow Clayey fine SAND, dry (SC)			-	-	
5	S-3	22	4 7 11 14	18	CL	Very stiff, brown to light brown CLAY, little fine Sand, dry (CL)	M	M	3.25	-	Mottling Present
	S-4	16	10 12 14 11	26		Very stiff, light brown to brownish yellow CLAY, little fine Sand, trace fine Gravel, dry (CL)	M	M	>5.0	-	Mottling Present
	S-5	18	11 16 14 12	30		Very stiff, light brown to brown CLAY, some fine Sand, little fine Gravel, trace Silt, dry (CL)	M	L	3.25	-	Mottling Present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

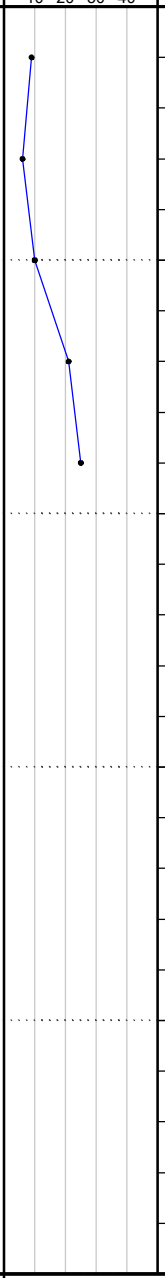
Soil Boring Log

IB-03

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.772349 N, -82.535263 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 12:44 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 12:56 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	8	2 5 4 3	9	SP	Loose, brown fine SAND, trace Silt, dry (SP)			-	-	
	S-2	18	3 3 3 3	6		Loose, brown to brownish yellow fine SAND, moist (SP)			-	-	Mottling Present
5	S-3	12	4 5 5 8	10	CL	Stiff, light brown CLAY, little fine Sand, moist (CL)	M	M	3.0	-	Mottling Present
	S-4	16	8 10 11 10	21		Very stiff, light brown to brownish yellow Sandy CLAY, trace Silt, moist (CL)	M	L	>5.0	-	Mottling Present
	S-5	16	8 13 12 10	25	SC	Medium dense, brown to light brown Clayey fine SAND, moist (SC)					Mottling Present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

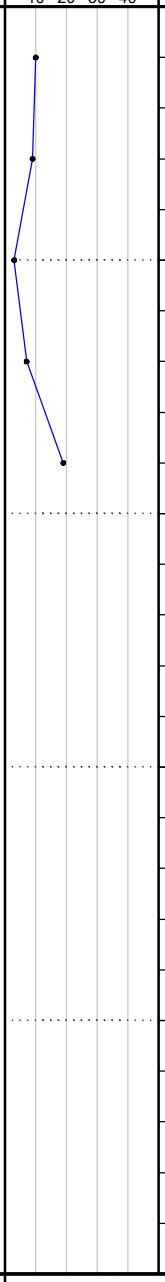
▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-04

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773446 N, -82.535125 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 03:18 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 03:30 PM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Graphic Log	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	14	2 4 6 5	10	SP		Loose, brown fine SAND, trace fine Gravel, trace Silt, dry (SP)			-	-	4" Topsoil
	S-2	14	3 5 4 4	9			Loose, brown fine SAND, trace Clay, dry (SP)			-	-	
5	S-3	16	3 2 1 1	3			Very loose, brownish yellow fine SAND, dry (SP)			-	-	
	S-4	12	2 3 4 6	7	CL		Medium stiff, light brown Sandy CLAY, moist (CL)	M	M	3.5	-	Mottling present
	S-5	20	8 9 10 9	19			Very stiff, light brown Sandy CLAY, little Silt, moist (CL)	M	M	3.5	-	Mottling present
10							End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15												
20												



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-05

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774417 N, -82.535287 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 04:32 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 04:41 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	18	2 3 3 3	6	SP	Loose, brownish yellow fine SAND, dry (SP)			-	-	4" Topsoil
	S-2	16	2 2 1 2	3		Very loose, brownish yellow fine SAND, dry (SP)			-	-	
5	S-3	14	1 2 2 1	4		Very loose, brownish yellow fine SAND, dry (SP)			-	-	
	S-4	16	2 2 1 2	3	SC	Very loose, brownish yellow fine SAND, little Clay, moist (SC)			-	-	
	S-5	18	3 2 3 6	5	CL	Very loose, brownish yellow Sandy CLAY, moist (CL)	M	M	3.75	-	Mottling Present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-06

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773265 N, -82.535881 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 03:37 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 03:52 PM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Graphic Log	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	12	3 3 3 2	6	SP		Loose, brown to brownish yellow fine SAND, trace Silt, dry (SP)			-	-	4" Topsoil
	S-2	16	3 2 4 5	6	CL		Medium stiff, brownish yellow Sandy CLAY, trace organics, dry (CL)	M	M	2.5	-	
5	S-3	18	6 8 9 7	17			Very stiff, light brown CLAY, little fine Sand, little Silt, moist (CL)	M	M	3.0	-	Mottling present
	S-4	14	11 12 17 15	29			Very stiff, light brown Sandy CLAY, little Silt, trace fine Gravel, moist (CL)	M	M	2.75	-	Mottling present
	S-5	16	13 11 15 17	26	SC		Medium dense, light brown fine SAND, some Clay, trace fine Gravel, moist (SC)			-	-	Mottling present
10							End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15												
20												

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-07

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774152 N, -82.535784 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 04:05 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 04:20 PM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	16	2 3 3 4	6	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	4" Topsoil
	S-2	20	3 2 2 3	4	SP	Very loose, brownish yellow fine SAND, dry (SP)			-	-	
5	S-3	20	5 8 10 11	18	CL	Very stiff, light brown to brownish yellow Sandy CLAY, dry (CL)	M	M	2.5	-	Mottling present
	S-4	18	11 12 14 18	26	CL	Very stiff, light brown Sandy CLAY, little Silt, dry (CL)	M	M	3.5	-	Mottling present
	S-5	18	13 18 16 16	34	SC	Dense, light gray Clayey fine SAND, little Silt, dry (SC)			-	-	Mottling present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

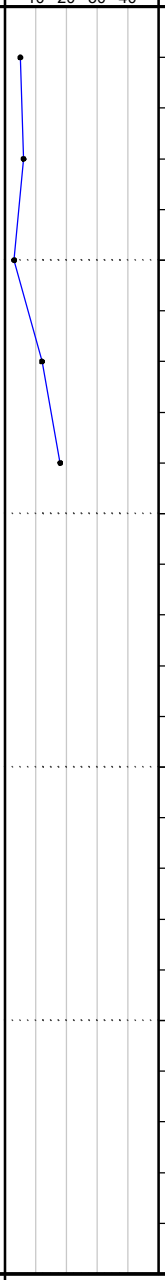
Soil Boring Log

IB-08

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.7736 N, -82.536482 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 05:35 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 05:45 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	14	1 2 3 2	5	SP	Very loose, brown fine SAND, little Silt, dry (SP)			-	-
	S-2	10	1 4 2 2	6		Loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-
5	S-3	14	2 1 2 3	3		Very loose, brownish yellow fine SAND, moist (SP)			-	-
	S-4	16	4 6 6 7	12		Medium dense, brownish yellow fine SAND, trace Clay, moist (SP)			-	-
	S-5	16	5 7 11 14	18	CL	Very stiff, brownish yellow CLAY, little fine Sand, moist (CL)	M	M	1.75	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

4" Topsoil

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

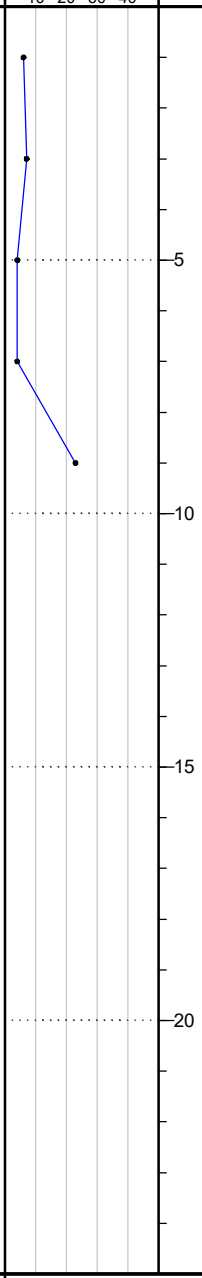
Soil Boring Log

IB-09

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774541 N, -82.53644 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 04:52 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 05:00 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	12	1 3 3 4	6	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-
	S-2	14	3 2 5 2	7	SP	Loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-
5	S-3	16	1 2 2 2	4		Very loose, light brown to brownish yellow fine SAND, dry (SP)			-	-
	S-4	16	3 2 2 4	4	CL	Soft, brown CLAY, some fine SAND, moist (CL)	L	M	4.0	-
	S-5	20	8 10 13 15	23		Very stiff, brown to light brown Sandy CLAY, trace Silt, moist (CL)	M	M	4.25	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

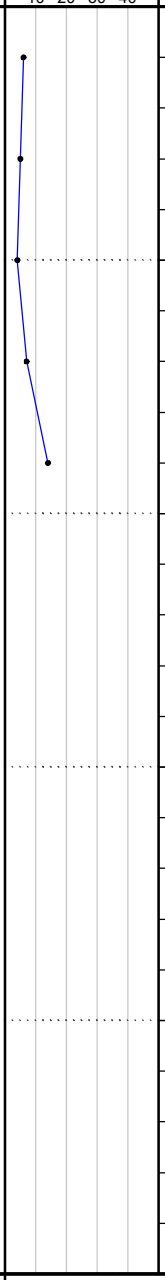
Soil Boring Log

IB-10

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.775101 N, -82.536975 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 10:48 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 10:56 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	12	2 2 4 3	6	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-
	S-2	14	3 3 2 2	5		Very loose, brownish yellow fine SAND, little Silt, moist (SM)			-	-
5	S-3	12	1 2 2 3	4	SP	Very loose, brownish yellow fine SAND, moist (SP)			-	-
	S-4	16	3 4 3 4	7	SC	Loose, brownish yellow fine SAND, little Clay, trace Silt, moist (SC)			-	-
	S-5	16	5 6 8 7	14		Medium dense, brownish yellow fine SAND, some Clay, little Silt, moist (SC)			-	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

2" Topsoil

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-11

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774195 N, -82.536935 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 05:20 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 05:29 PM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	16	2 3 4 4	7	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-	4" Topsoil
	S-2	8	4 3 3 3	6	SP	Loose, brownish yellow fine SAND, trace Sllt, dry (SP)			-	-	
5	S-3	10	2 2 3 4	5		Very loose, brownish yellow fine SAND, trace Clay, dry (SP)			-	-	
	S-4	18	4 4 6 3	10	SC	Loose, brownish yellow fine SAND, little Clay, moist (SC)			-	-	
	S-5	18	5 5 6 7	11	CL	Stiff, light brown Sandy CLAY, little Silt, moist (CL)	M	M	3.0	-	Mottling Present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

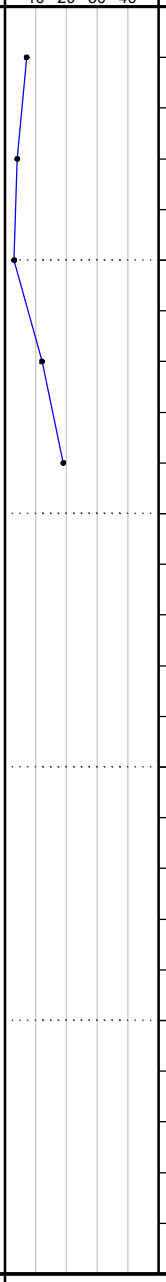
Soil Boring Log

IB-12

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773534 N, -82.536999 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 05:54 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 06:02 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	14	2 3 4 4	7	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-
	S-2	16	4 2 2 3	4		Very loose, brown fine SAND, little Silt, dry (SM)			-	-
5	S-3	10	1 2 1 3	3		Very loose, brown fine SAND, little Silt, little Clay, dry (SM)			-	-
	S-4	14	3 5 7 7	12	CL	Stiff, light brown Sandy CLAY, little Silt, moist (CL)	M	M	3.0	-
	S-5	20	9 7 12 10	19		Very stiff, light brown Sandy CLAY, little Silt, moist (CL)	M	M	3.0	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

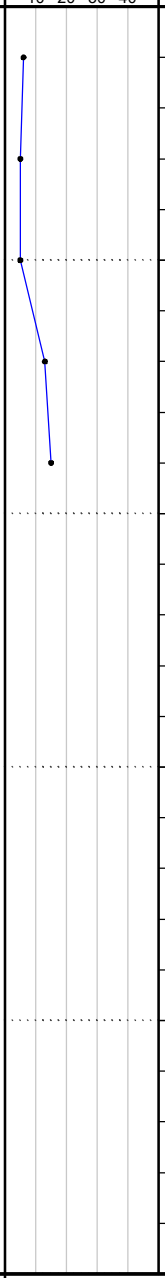
Soil Boring Log

IB-13

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.772946 N, -82.537201 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 06:14 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 06:20 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	8	2 3 3 2	6	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-
	S-2	12	4 2 3 2	5		Very loose, yellowish red fine SAND, little Silt, little Clay, moist (SM)			-	-
5	S-3	24	2 3 2 3	5	SC	Very loose, brown to brownish yellow fine SAND, little Clay, trace Sllt, dry (SC)			-	-
	S-4	18	4 6 7 7	13	CL	Stiff, brown to light brown Sandy CLAY, trace Silt, moist (CL)	M	M	3.0	-
	S-5	16	7 8 7 8	15		Stiff, light brown Sandy CLAY, little Sllt, moist (CL)	M	M	3.75	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

2" Topsoil

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

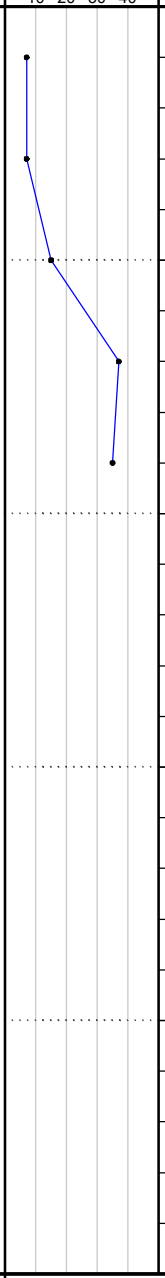
▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-14

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773502 N, -82.53764 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 08:15 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 08:30 AM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	14	2 3 4 4	7	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-	2" Topsoil
	S-2	8	4 4 3 3	7		Loose, brown to brownish yellow Silty fine SAND, trace Clay, dry (SM)			-	-	
5	S-3	12	4 7 8 17	15	CL	Stiff, brown Sandy CLAY, little Silt, moist (CL)	M	M	3.5	-	
	S-4	18	17 17 20 11	37	ML	Hard, light brown Clayey SILT, little fine SAND, moist (ML)	M	L	4.0	-	
	S-5	18	14 21 14 17	35		Hard, light brown Clayey SILT, little fine Sand, moist (ML)	M	L	3.0	-	Mottling present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

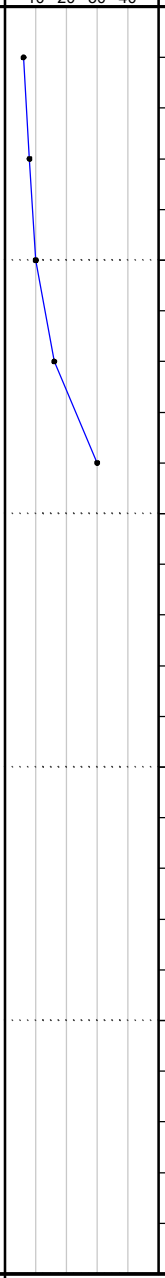
Soil Boring Log

IB-15

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774312 N, -82.537742 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 09:16 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 09:28 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	10	1 3 3 5	6	SM	Loose, brown fine SAND, little Silt, moist (SP)			-	-	2" Topsoil
	S-2	10	7 3 5 5	8		Loose, brownish yellow fine SAND, little Silt, moist (SM)			-	-	
5	S-3	6	5 5 5 6	10	SC	Loose, light brown fine SAND, some Clay, little Silt, moist (SC)			-	-	
	S-4	18	6 7 9 9	16	CL	Very stiff, brown to yellowish red Sandy CLAY, trace Silt, moist (CL)	M	M	2.25	-	Mottling present
	S-5	12	8 16 14 12	30		Very stiff, brown to light brown Sandy CLAY, some Silt, moist (SC)	M	M	2.25	-	
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-16

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.775137 N, -82.537776 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 10:25 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 10:37 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	12	1 2 2 2	4	SM	Very loose, brown fine SAND, little Silt, dry (SM)			-	-
	S-2	10	4 2 2 2	4	SP	Very loose, brownish yellow fine SAND, trace Silt, moist (SP)			-	-
5	S-3	16	2 1 3 4	4	SP	Very loose, brownish yellow fine SAND, trace Clay, moist (SP)			-	-
	S-4	20	3 8 11 19	19	CL	Very stiff, brown to light brown Sandy CLAY, little Silt, moist (CL)	M	M	4.0	-
	S-5	18	14 12 15 16	27	CL	Very stiff, light brown Sandy CLAY, some Silt, moist (CL)	M	M	>5.0	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				

N-Value

10 20 30 40

Drilling & Strata Notes

4" Topsoil

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

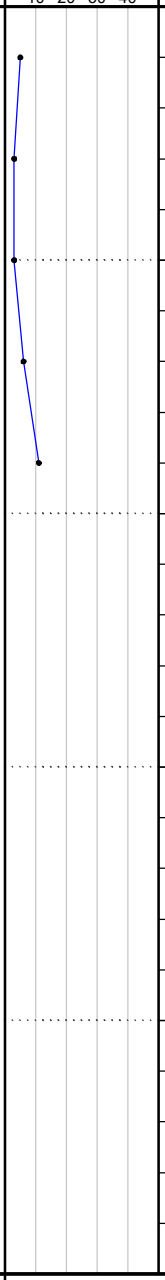
▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-17

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.772899 N, -82.538082 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 08:02 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 08:07 AM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	12	2 2 3 2	5	SM	Very loose, brown fine SAND, little Sllt, dry (SM)			-	-
	S-2	12	3 1 2 2	3		Very loose, brownish yellow fine SAND, little Silt, dry (SM)			-	-
5	S-3	16	2 1 2 2	3	SP	Very loose, brownish yellow fine SAND, moist (SP)			-	-
	S-4	14	3 2 4 2	6		Loose, brownish yellow fine SAND, moist (SP)			-	-
	S-5	18	4 5 6 7	11		Medium dense, brownish yellow fine SAND, trace Clay, moist (SP)			-	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

2" Topsoil

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

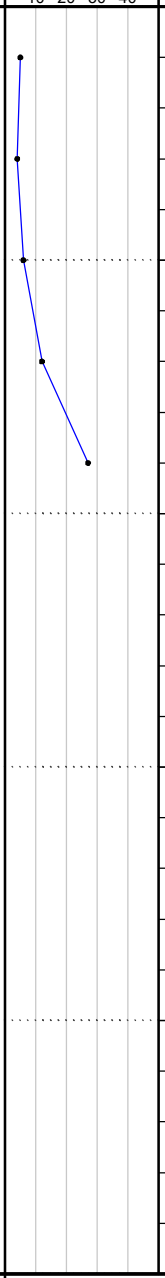
Soil Boring Log

IB-18

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773601 N, -82.538071 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 08:37 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 08:48 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	8	2 3 2 2	5	SM	Very loose, brown fine SAND, little Silt, dry (SM)			-	-
	S-2	12	2 2 2 2	4		Very loose, brownish yellow fine SAND, little Silt, dry (SM)			-	-
5	S-3	14	2 3 3 3	6		Loose, brownish yellow fine SAND, little Silt, trace Clay, dry (SM)			-	-
	S-4	10	4 4 8 8	12	SP	Medium dense, light brown fine SAND, trace Clay, moist (SP)			-	-
	S-5	20	9 11 16 15	27	ML	Very stiff, light brown Clayey SILT, little fine Sand, moist (ML)	M	L	4.0	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

2" Topsoil

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

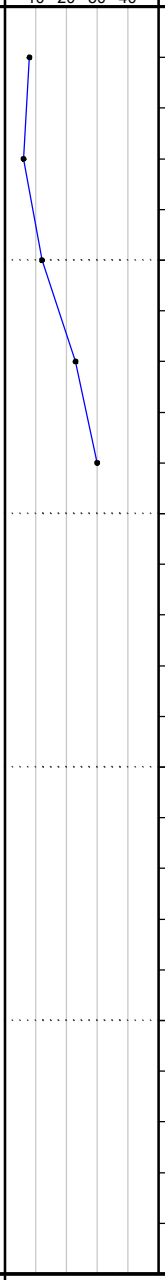
Soil Boring Log

IB-19

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774593 N, -82.538201 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 09:55 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 10:05 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	18	4 4 4 2	8	SM	Loose, brown to brownish yellow fine SAND, little Silt, moist (SM)			-	-	4" Topsoil
	S-2	10	3 3 3 3	6	SP	Loose, brownish yellow fine Sand, trace Silt, moist (SP)			-	-	
5	S-3	18	3 6 6 7	12	CL	Stiff, light brown to yellowish red Sandy CLAY, some Silt, moist (CL)	M	M	2.0	-	Mottling present
	S-4	20	9 11 12 12	23		Very stiff, brown to light brown Sandy CLAY, some Silt, moist (CL)	M	M	2.25	-	Mottling present
	S-5	24	13 15 15 16	30		Very stiff, brown to light brown Sandy CLAY, little Silt, moist (CL)	M	M	2.0	-	Mottling present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

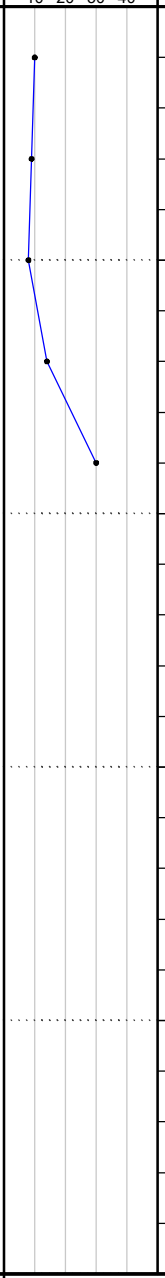
Soil Boring Log

IB-20

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.77399 N, -82.538047 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 08:54 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 09:02 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
0	S-1	8	3 4 6 5	10	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-
	S-2	14	10 5 4 3	9		Loose, brownish yellow fine SAND, little Silt, moist (SM)			-	-
5	S-3	12	4 4 4 4	8	SP	Loose, light brown to brownish yellow fine SAND, trace Sllt, trace Clay, moist (SP)			-	-
	S-4	20	5 6 8 8	14	CL	Stiff, brown to yellowish red Sandy CLAY, little Silt, moist (CL)	M	M	2.25	-
	S-5	20	14 15 15 13	30		Very stiff, brown to light brown Sandy CLAY, some Silt, moist (CL)	M	M	3.25	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

- 2" Topsoil
- Mottling present
- Mottling present

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-21

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774309 N, -82.539086 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/06/23 01:00 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/06/23 01:06 PM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	18	8 6 5 4	11	SM	Medium dense, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
	S-2	12	5 3 4 3	7		Loose, brown to brownish yellow fine SAND, little Silt, trace Clay, dry (SM)			-	-	
5	S-3	20	3 5 6 6	11	CL	Stiff, brown to light brown Sandy CLAY, little Silt, trace fine Gravel, moist (CL)	M	M	2.0	-	Mottling present
	S-4	10	8 7 7 7	14	ML	Stiff, light brown Sandy SILT, some Clay, moist (ML)	L	L	2.5	-	Mottling present
	S-5	20	5 5 4 4	9		Stiff, light brown Sandy SILT, some Clay, moist (ML)	L	L	1.0	-	Mottling present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-22

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774536 N, -82.538882 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/06/23 01:21 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/06/23 01:34 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	12	3 4 4 3	8	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
	S-2	8	4 2 2 2	4	SP	Very loose, brown to brownish yellow fine SAND, trace Silt, dry (SP)			-	-	
5	S-3	16	3 2 3 5	5		Very loose, brown to brownish yellow fine SAND, dry (SP)			-	-	
	S-4	14	6 6 8 10	14	CL	Stiff, light gray Sandy CLAY, some Silt, moist (CL)	L	M	2.5	-	Mottling present
	S-5	16	12 11 12 10	23	ML	Very stiff, light brown to brownish yellow Sandy SILT, some Clay, moist (ML)	L	L	4.0	-	Mottling present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

SITE PLANS
FOR
PLEASANT SOLAR LLC
ALACHUA COUNTY, FLORIDA
SECTIONS 23 & 26, TOWNSHIP 08 SOUTH, RANGE 18 EAST
SUBMITTED TO
CITY OF ALACHUA
FLORIDA DEPARTMENT OF ENVIROMENTAL PROTECTION

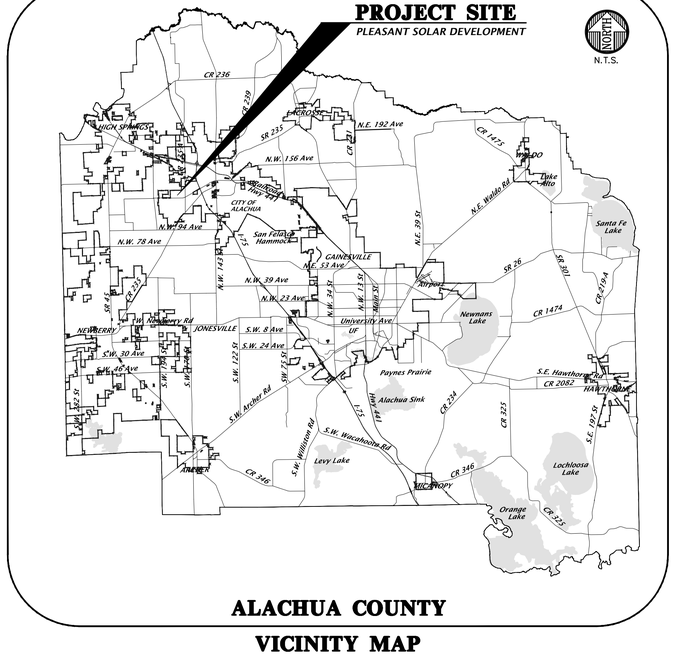
LAND OWNER/DEVELOPER
RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC.
301 N LAKE AVE STE 950
PASADENA, CA 91101
(630) 750-1145

CIVIL ENGINEER
TRAVIS J. HASTAY, PE
CHW
11801 RESEARCH DRIVE
ALACHUA, FLORIDA 32615
(352) 331-1976
TRAVISH@CHW-INC.COM

LANDSCAPE ARCHITECT
CAELI TOLAR
CHW
11801 RESEARCH DRIVE
ALACHUA, FLORIDA 32615
(352) 331-1976
CAELIT@CHW-INC.COM

SURVEYOR
CHAD A. COLSON
CHW
11801 RESEARCH DRIVE
ALACHUA, FLORIDA 32615
(352) 331-1976
CHADC@CHW-INC.COM

PROJECT SITE
PLEASANT SOLAR DEVELOPMENT



ALACHUA COUNTY
VICINITY MAP

GENERAL NOTES

1. *PROJECT NAME:*
   PLEASANT SOLAR DEVELOPMENT

2. *DEVELOPMENT DATA:*

OVERALL SITE AREA=	*14,004,346 S.F.*	*100.0%*	*321.49 ACRES*
BUILDING FOOTPRINT AREA=	*0 S.F.*	*0.0%*	
CONC./PAVE AREA=	*0 S.F.*	*0.0%*	
TOTAL IMPERVIOUS AREA=	*206,930 S.F.*	*1.48%*	
OPEN AREA=	*13,755,245 S.F.*	*98.22%*	

   DESCRIPTION: A SOLAR ENERGY FACILITY WITH ACCESS IMPROVEMENTS.

3. *PROJECT ADDRESS:*
   TBD (NORTHWESTERN QUADRANT OF THE INTERSECTION OF CR235A AND PEGGY ROAD.

4. *TAX PARCEL NUMBERS:*
   PARCELS NO. 03894-000-000 & 03898-000-000

5. *ENGINEER OF RECORD:*
   TRAVIS J. HASTAY
   CHW
   11801 RESEARCH DRIVE
   ALACHUA, FLORIDA 32615
   (352) 331-1976
   travish@chw-inc.com

6. *NUMBER OF UNITS/AREA OF BUILDINGS:*
   N/A

7. *DENSITY:*
   N/A

8. *PHASING:*
   N/A

9. *DEVELOPMENT CRITERIA:*

TYPE	*CRITERIA*	*REQUIRED*	*PROVIDED*
OPEN SPACE	*10%*	*32.149 AC*	*40 AC*
BUFFERS	*SEE ITEM 17*	*SEE ITEM 17*	*15' FROM ALL USES*

10. *LOT/BUILDING REQUIREMENTS:*

TYPE	*REQUIRED*
FRONT SETBACK (FT)	*100'*
REAR SETBACK (FT)	*100'*
SIDE SETBACK (FT)	*100'*

11. *WATER SUPPLY:*
    N/A

12. *SEWAGE DISPOSAL:*
    N/A

13. *DRAINAGE:*
    THE SITE DRAINS TO 15 EXISTING DEPRESSIONS LOCATED BOTH ON AND OFFSITE.

14. *ELECTRICAL UTILITY PROVISION:*
    TO BE PERMITTED WITH ALACHUA COUNTY UNDER SEPARATE COVER.

15. *NATURAL FEATURES:*
    0.12 AC WETLAND LOCATED IN SOUTHWESTERN QUADRANT OF SITE. PRESERVATION AND BUFFERING ARE PROPOSED.

16. *ALTERNATIVE LANDSCAPE PLAN APPROVED BY LDR ADMINISTRATOR UNDER LDR ADMINISTRATOR INTERPRETATION #PLDR-24-0009*

BEFORE YOU DIG:
CALL SUNSHINE STATE ONE CALL OF FLORIDA
AT LEAST TWO FULL BUSINESS DAYS BEFORE DIGGING OR DISTURBING EARTH
811
Know what's **below.** **Call** before you dig.
1-800-432-4770

PROJECT LIMITS
PLEASANT SOLAR DEVELOPMENT



LOCATION MAP

16. *ZONING/LAND USE INFORMATION:*
    03894-000-000
    ZONING = RESIDENTIAL SINGLE-FAMILY 4 (RSF-4)
    LAND USE = MODERATE DENSITY RESIDENTIAL (MOD)

    03898-000-000
    ZONING = AGRICULTURAL (A)
    LAND USE = AGRICULTURE (A)

    PER FLORIDA STATUTE 553 163.3205(3) SOLAR FACILITIES ARE PERMITTED BY RIGHT IN AGRICULTURAL ZONING AND LAND USES.

    PER ARTICLE 4 OF THE LDRS, MAJOR UTILITY INFRASTRUCTURE IS A PERMITTED USE WITHIN THE RESIDENTIAL SINGLE-FAMILY 4 ZONING DISTRICT WITH A SPECIAL EXEMPTION.

    PER ARTICLE 6 OF THE LDRS, THE PROPOSED SITE IS CONSISTENT WITH ALL APPLICABLE DEVELOPMENT STANDARDS. NO PARKING IS REQUIRED. THERE ARE EXISTING TREES ONSITE AND THE PROPOSED LANDSCAPING FULFILLS THE GENERAL SITE, MITIGATION, AND BUFFER REQUIREMENTS. THE EROSION PROTECTION PROPOSED FULFILLS THE ENVIRONMENTAL STANDARDS THROUGH USE OF BMPS IN CONJUCTION WITH THE SITE'S OVERALL LOW IMPACT.

17. *BUFFERS:*
    5' TYPE A FROM INDUSTRIAL SERVICES
    15' TYPE D FROM RESIDENTIAL USES

18. *PARKING*
    N/A

19. *DATE OF BOUNDARY SURVEY:*
    A BOUNDARY SURVEY WAS COMPLETED BY CHW AND DATED NOVEMBER 13, 2023.

20. *CONCURRENCY IMPACT ANALYSIS:*
    INCLUDED WITH THIS SUBMITTAL

21. *LEGAL DESCRIPTION:*
(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

A TRACT OF LAND SITUATED IN THE SOUTH 1/2 OF SECTION 20, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 20 FOR A POINT OF REFERENCE AND RUN N.01°43'30"W., ALONG THE WEST LINE OF SAID SECTION 20, A DISTANCE OF 40.32 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID WEST LINE OF SECTION 20 WITH THE NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054 (80 FOOT RIGHT OF WAY) AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE N.01°43'30"W., ALONG SAID WEST LINE OF SECTION 20, A DISTANCE OF 2547.72 FEET TO A CONCRETE MONUMENT AT THE NORTHWEST CORNER OF THE AFOREMENTIONED SOUTH ½ OF SECTION 20; THENCE RUN N.89°48'16"E., ALONG THE NORTH LINE OF SAID SOUTH 1/2 , A DISTANCE OF 4989.78 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY RIGHT OF WAY LINE OF COUNTY ROAD 235A (100 FOOT RIGHT OF WAY); THENCE RUN S.00°14'05"W., ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 2239.68 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID WESTERLY RIGHT OF WAY LINE WITH THE AFOREMENTIONED NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054; THENCE RUN S.59°24;55"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 100.58 FEET TO A CONCRETE MONUMENT AT THE BEGINNING OF A CURVE CONCAVE NORTHWESTERLY, SAID CURVE HAVING A RADIUS OF 1869.86 FEET; THENCE RUN SOUTHWESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 30°23'36", AN ARC DISTANCE OF 991.89 FEET (CHORD BEARING AND DISTANCE OF S.74°36'43"W., 980.30 FEET RESPECTIVELY) TO A CONCRETE MONUMENT AT THE END OF SAID CURVE; THENCE RUN S.89°48'31"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 2591.89 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTHERLY RIGHT OF WAY LINE WITH THE EAST LINE OF THE WEST ½ OF THE SOUTHWEST ¼ OF SAID SECTION 20; THENCE RUN N.01°58'22"W., ALONG SAID EAST LINE, A DISTANCE OF 243.48 FEET TO A CONCRETE MONUMENT LOCATED 300.00 FEET NORTH OF THE SOUTH LINE OF SAID SECTION 20; THENCE RUN N.89°27'14"W., PARALLEL WITH SAID SOUTH LINE OF SECTION 20, A DISTANCE OF 150.00 FEET; THENCE RUN S.01°58'22"E., PARALLEL WITH SAID EAST LINE, A DISTANCE OF 245.42 FEET TO SAID NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054; THENCE RUN S.89°48'31"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 1096.30 FEET TO A STEEL ROD AND CAP AT THE BEGINNING OF A CURVE CONCAVE NORTHERLY, SAID CURVE HAVING A RADIUS OF 1869.86 FEET; THENCE RUN WESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 01°02'35", AN ARC DISTANCE OF 34.04 FEET (CHORD BEARING AND DISTANCE OF N.89°40'12"W., 34.04 FEET RESPECTIVELY) TO THE TRUE POINT OF BEGINNING, LESS AND EXCEPT ONE ACRE RESERVED THEREIN FOR GRAVEYARD.

SAID ONE ACRE RESERVED FOR GRAVEYARD BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 20 FOR A POINT OF REFERENCE AND RUN N.01°43'30"W., ALONG THE WEST LINE OF SAID SECTION 20, A DISTANCE OF 2588.04 FEET TO A CONCRETE MONUMENT AT THE NORTHWEST CORNER OF THE AFOREMENTIONED SOUTH ½ OF SECTION 20, THENCE RUN N.89°48'16"E., ALONG THE NORTH LINE OF SAID SOUTH 1/2 , A DISTANCE OF 4989.78 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY RIGHT OF WAY LINE OF COUNTY ROAD 235A (100 FOOT RIGHT OF WAY); THENCE RUN S.00°14'05"W., ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 501.38 FEET; THENCE RUN N.89°45'54"W., A DISTANCE OF 405.49 FEET TO A STEEL ROD AND CAP AT THE TRUE POINT OF BEGINNING OF GRAVEYARD PARCEL; THENCE RUN S.00°14'06"W., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN N.89°45'54"W., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN N.00°14'06"E., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN S.89°45'54"E., A DISTANCE OF 208.71 FEET TO THE TRUE POINT OF BEGINNING.

AND BEING THE SAME PROPERTY CONVEYED TO WACO, INC., QUALIFIED TO DO BUSINESS IN FLORIDA AS WACO OF ALABAMA, INC., AN ALABAMA CORPORATION FROM INTERNATIONAL BUSINESS MACHINES CORPORATION, A NEW YORK CORPORATION BY SPECIAL WARRANTY DEED DATED NOVEMBER 10, 1997 AND RECORDED NOVEMBER 18, 1997 IN DEED BOOK 2140, PAGE 1837.; SAID WACO, INC, AN ALABAMA CORPORATION MERGED INTO WADE ALABAMA CORPORATION, A FLORIDA CORPORATION; AND SAID WACO OF ALABAMA, INC, AN ALABAMA CORPORATION MERGED INTO WADE ALABAMA CORPORATION, AN ALABAMA CORPORATION, AND SAID WADE ALABAMA CORPORATION, AN ALABAMA CORPORATION CHANGED ITS NAME TO WACO OF ALABAMA, INC., A FLORIDA CORPORATION, AND SAID WACO OF ALABAMA, INC, A FLORIDA CORPORATION CHANGED ITS NAME TO WACO PROPERTIES, INC, A FLORIDA CORPORATION.

TAX PARCEL NO. 03894-000-000

(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) IN SECTION 20, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA. LESS ROAD RIGHT-OF-WAY AS PER DEED RECORDED IN OFFICIAL RECORDS BOOK 103, PAGE 432 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. ALSO LESS THE NORTH 40 FEET FOR COUNTY ROAD RIGHT-OF-WAY PER OFFICIAL RECORDS BOOK 880, PAGE 168, PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.

AND BEING THE SAME PROPERTY CONVEYED TO GARY D. BROWN, AS TRUSTEE OF THE GARY D. BROWN REVOCABLE TRUST DATED JANUARY 23, 2004, AS TO AN UNDIVIDED 25% INTEREST AND LINDA WEIDNER, AS TO AN UNDIVIDED 25% INTEREST AND JOANNE ALSPAUGH, AS TO AN UNDIVIDED 25% INTEREST, AND HENDERSON BROTHERS, INC., AS TO AN UNDIVIDED 25% INTEREST, AS TENANTS IN COMMON FROM WILLIAM R. SABIS BY WARRANTY DEED DATED MAY 17, 2005 AND RECORDED MAY 27, 2005 IN DEED BOOK 3133, PAGE 24.

TAX PARCEL NO. 03898-000-000

SHEET INDEX

SHEET NUMBER	*DESCRIPTION*
C0.00	*COVER SHEET AND INDEX*
C0.10	*GENERAL NOTES*
C0.11	*LEGEND*
C0.20	*STORMWATER POLLUTION PREVENTION NOTES*
C0.21	*STORMWATER POLLUTION PREVENTION PLAN*
C0.30	*MASTER TREE CANOPY PROTECTION PLAN*
C0.31 - C0.45	*ENLARGED TREE CANOPY PROTECTION PLAN*
C1.00	*MASTER SITE PLAN*
C1.10 - C1.28	*DETAILED HORIZONTAL CONTROL AND SITE PLAN*
C2.00	*MASTER GRADING AND DRAINAGE PLAN*
C2.10 - C2.14	*DETAILED GRADING AND DRAINAGE PLAN*
C2.30 - C2.32	*CONSTRUCTION DETAILS*
C4.00	*ENTRANCE PLAN AND PROFILE*
C4.01	*CEMETERY PLAN AND PROFILE*
1 OF 19	*BOUNDARY AND TOPOGRAPHIC SURVEY*
FP-1	*FENCING PLAN*
LS-1	*LANDSCAPE DETAILS, SCHEDULE, AND NOTES*
LS-2 - LS-23	*LANDSCAPE PLAN*
LS-24 - LS-26	*TREE MITIGATION CALCULATIONS*
IR-1	*IRRIGATION DETAILS AND SCHEDULE*
IR-2 - IR-13	*IRRIGATION PLAN*

SOLARIANT
11801 Research Drive
Alachua, FL 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA CA-5975
CHW Professional Consultants

SCALE: N/A
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY
0 1"

CONSTRUCTION/BID REVISIONS

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: COVER SHEET AND INDEX

TECHNICIAN: J. THOMAS
DESIGNER: M. CONKLIN
QA/QC CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
License No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C0.00

Tech: rkotter Plot Date: May 20,2024 11:01am Filename: M:\2021\21-0275\Department\04_Engineering\02_DWGs\Production Files\21-0275_C0.00_Cover_NT_C4.dwg

GENERAL NOTES

1. THE TOPOGRAPHIC AND EXISTING INFORMATION SHOWN HEREON WERE TAKEN FROM A BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED BY CHW, REVISION DATE 6/20/2023.

2. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAS BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING ANY UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. THE RESPECTIVE UTILITY COMPANIES SHALL RELOCATE ALL UTILITIES THAT INTERFERE WITH THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES DURING THE RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

3. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE APPROPRIATE UTILITY COMPANIES IN ORDER TO ALLOW MARKING OF THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES IN ADVANCE OF CONSTRUCTION BY CALLING THE FLORIDA SUNSHINE STATE ONE-CALL CENTER, INC. AT 1-800-432-4770 OR 811. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY "SUNSHINE" 48 HOURS PRIOR TO ANY CLEARING OF CONSTRUCTION TO IDENTIFY ALL UTILITY LOCATIONS. NO CONSTRUCTION ACTIVITY MAY OCCUR UNTIL THE UTILITIES HAVE BEEN PROPERLY MARKED.

4. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL LOCATION AND VERTICAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF THE PROJECT ENVELOPE SHOWN PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CALL ALL UTILITY COMPANIES TO HAVE THE LOCATIONS OF ALL UTILITIES FIELD MARKED PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONTINUING CONSTRUCTION.

5. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR.

6. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS BEFORE COMMENCING CONSTRUCTION WORK, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. ADDITIONAL COSTS ARE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.

7. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK INCLUDING LANDSCAPING.

8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY AND/OR MUNICIPALITY INSTRUCTIONS.

9. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND SHALL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. TRENCHES SHALL BE KEPT DRY WHILE PIPES ARE BEING PLACED. DEWATERING SHALL BE USED AS REQUIRED, AND PERMITTED THROUGH LOCAL GOVERNMENTAL AGENCIES AND WATER MANAGEMENT DISTRICT PER CURRENT REGULATIONS AT THE SOLE COST OF THE CONTRACTOR.

11. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT AND BORINGS PRIOR TO BIDDING THE PROJECT AND FOLLOW OUTLINED CONSTRUCTION TECHNIQUES.

12. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SERVICES OF AN APPROVED TESTING LABORATORY AND/OR SOILS ENGINEER, APPLICABLE REGULATORY AGENCIES, AND AS MAY BE FOUND IN THE ENGINEERING CONSTRUCTION DRAWINGS OR SPECIFICATIONS. CONTRACTOR TO VERIFY ALL TESTING WITH THE OWNER PRIOR TO COMMENCING CONSTRUCTION. UPON COMPLETION OF THE WORK, THE TESTING LABORATORY AND/OR SOILS ENGINEER MUST SUBMIT TO THE OWNER'S ENGINEER CERTIFICATIONS STATING THAT ALL REQUIREMENTS HAVE BEEN MET.

13. INSTALL SILT FENCE PRIOR TO SITE DEMOLITION OR NEW SITE CONSTRUCTION. INSTALL SILT FENCE PER FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL AND PROVIDE TOE-IN. THE CONTRACTOR SHALL MAINTAIN THE SILT FENCE IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. THE PROJECT SILT FENCE SHALL BE INSPECTED DAILY AND ANY CORRECTIVE MEASURES SHALL BE COMPLETED WITHIN 24 HOURS.

14. ALL TREE BARRICADES AND SILT FENCING SHALL BE INSTALLED AND INSPECTED BY THE CITY OF ALACHUA AND/OR CHW INSPECTOR PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR CONSTRUCTION ACTIVITIES.

15. THE CONTRACTOR IS TO PREPARE THE SITE PRIOR TO BEGINNING ACTUAL CONSTRUCTION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

16. ALL DELETERIOUS MATERIAL (I.E. MUCK, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER'S ENGINEER OR OWNER'S SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED AND REMOVED FROM THE SITE. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE AREAS.

17. CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. DISTURBED AREAS SHALL BE AS DIRECTED BY THESE PLANS, IMMEDIATELY FOLLOWING CONSTRUCTION PER LOCAL INSPECTOR.

18. WORK BEING PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH OTHER WORK BEING PERFORMED ON THE SITE BY OTHER CONTRACTORS AND/OR UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE HIS ACTIVITIES, WHERE NECESSARY, WITH OTHER CONTRACTORS AND UTILITY COMPANIES.

19. ALL PAVEMENT DIMENSIONS SHOWN ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

20. THE GOVERNING STANDARDS AND SPECIFICATIONS, UNLESS STATED OTHERWISE SHALL BE PER FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS (FY 2023-24 ROAD CONSTRUCTION), AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2023, AS AMENDED BY CONTRACT DOCUMENTS. ALL MATERIALS AND METHODS SHALL MEET FDOT SPECIFICATIONS AND SHALL BE PRODUCED OR OBTAINED FROM AN FDOT APPROVED SOURCE.

21. ALL NEW TRAFFIC CONTROL DEVICES (SIGNS AND PAVEMENT MARKINGS) SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT STANDARDS.

22. ALL STRIPING WITHIN THE RIGHT OF WAY SHALL BE PLACED FIRST AS TEMPORARY STRIPING FOLLOWED BY APPLICATION OF THERMOPLASTIC STRIPING 30 DAYS LATER.

23. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PROPER BENCHMARKS ON-SITE. EXISTING BENCH MARKS SCHEDULED FOR REMOVAL SHALL BE RELOCATED AT CONTRACTORS EXPENSE AND RE-ESTABLISHED BY A LICENSED SURVEYOR.

24. ALL HANDICAP RAMPS SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE AND AMERICANS WITH DISABILITIES ACT.

25. A PRE-CONSTRUCTION CONFERENCE SHALL BE REQUIRED. THE CONTRACTOR, ENGINEER OF RECORD, AND THE OWNER SHALL MEET WITH THE CITY OF ALACHUA PRIOR TO INITIATION OF SITE CONSTRUCTION.

26. ANY CHANGE ORDER REQUESTS, SITE REVISIONS, AND PAY REQUESTS MUST BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD.

27. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING AS NEEDED THROUGHOUT ALL CONSTRUCTION ACTIVITIES COVERED BY THESE PLANS. DEWATERING SHALL BE DONE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS, 2023-24 EDITION, SECTION 120.

28. THE CONTRACTOR IS RESPONSIBLE FOR THE PERFORMANCE AND COST OF ALL CLEARING AND GRUBBING AND ALL WORK OF REMOVAL, DISPOSAL, AND REPAIR OR REPLACEMENT OF EXISTING IMPROVEMENTS WHERE SHOWN IN THE PLANS, OR ORDERED BY THE ENGINEER TO BE REMOVED, OR WHERE REQUIRED BECAUSE OF THE CONSTRUCTION OPERATIONS, IN ORDER TO CONSTRUCT THE PROPOSED IMPROVEMENTS (THIS INCLUDES BUT IS NOT LIMITED TO PROPOSED PIPING, STRUCTURES, UTILITIES, PAVING, CURBING, ETC.).

29. AN AS-BUILT SURVEY WILL BE REQUIRED BY REGULATORY AGENCIES. CONTRACTOR TO COORDINATE WITH PROJECT OWNER FOR COMPLETION OF AS-BUILT SURVEYS PRIOR TO PROJECT / PERMIT CLOSE-OUT.

MAINTENANCE OF TRAFFIC (MOT) NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR CREATING A MAINTENANCE OF TRAFFIC (MOT) PLAN FOR CONSTRUCTION ACTIVITY THAT OCCURS WITHIN THE PUBLIC RIGHT-OF-WAY, INCLUDING BUT NOT LIMITED TO SIDEWALK WORK AND ACTIVITIES THAT REQUIRE A LANE (OR ROAD) CLOSURE, SUCH AS CONNECTION TO SEWER MANHOLES AND WATER MAINS. THE MOT PLAN MUST BE CREATED BY A REGISTERED PROFESSIONAL ENGINEER WHO IS CERTIFIED TO DO SO BY THE FDOT MOT CERTIFICATION TRAINING. THE MOT PLAN MUST ALSO BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS AND FDOT STANDARD SPECIFICATIONS REQUIREMENTS AND MUST BE REVIEWED AND APPROVED BY THE CITY OF ALACHUA PUBLIC WORKS.

2. THE CONTRACTOR SHALL SUBMIT THE MOT TO THE APPROPRIATE REGULATORY AUTHORITY PRIOR TO WORK REQUIRING THE MOT FOR APPROVAL. NO WORK IN THE ROW SHALL OCCUR UNTIL THE MOT IS APPROVED.

DEMOLITION GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLITION MATERIALS IN A SAFE AND LAWFUL MANNER. THE CONTRACTOR SHALL SALVAGE TO THE OWNER ANY ITEM AS DETERMINED BY THE OWNER. ONCE DEMOLISHED, MATERIAL SHALL BE DISPOSED OF PROPERLY AND IMMEDIATELY.

2. REMOVE ALL IMPROVEMENTS DEFINED ON THE DEMOLITION PLAN. SALVAGE ITEMS TO OWNER AS DEFINED BY THE OWNER'S REPRESENTATIVE AND CONSTRUCTION DOCUMENT SPECIFICATIONS.

3. EXISTING PAVEMENT AND SIDEWALK EDGES THAT BORDER NEW CONSTRUCTION OR DEMOLITION ARE TO BE SAW-CUT TO PROVIDE A SMOOTH TRANSITION.

4. ALL EXISTING TREES ARE TO REMAIN UNLESS OTHERWISE NOTED.

5. ROOTS LARGER THAN 1 INCH IN DIAMETER ON TREES TO BE PRESERVED THAT ARE ENCOUNTERED DURING CONSTRUCTION MUST BE CUT CLEANLY AND COVERED OVER WITH SOIL BY THE END OF THE WORKING DAY.

6. ALL ASPHALT AND LIMEROCK WILL BE COMPLETELY REMOVED FROM AREAS THAT WILL BE LANDSCAPED. IN PARTICULAR, AREAS WHERE ASPHALT WILL BE REMOVED MUST HAVE THE TOP HARD SURFACE, LIMEROCK, AND COMPACTED SOIL REMOVED. REPLACEMENT SOIL SHALL BE CLEAN DEEP FILL OF PH 5.5 - 6.5. THE DEPTH OF UNCOMPACTED SOIL PRIOR TO PLANTING MUST BE AT LEAST 3 FEET TO ACCOMMODATE FUTURE TREE ROOT GROWTH. NO LIMEROCK, LARGE STONES, OR OTHER CONSTRUCTION DEBRIS CAN REMAIN IN AREAS TO BE LANDSCAPED.

PAVING, GRADING, AND DRAINAGE GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL PRACTICES DURING CONSTRUCTION TO MINIMIZE ON-SITE EROSION/SEDIMENTATION AND TO PROTECT AGAINST DAMAGE TO OFF SITE PROPERTY. THE FOLLOWING PRACTICES SHALL BE EMPLOYED:

A. EROSION AND SEDIMENTATION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. AREAS OF OFF-SITE DISCHARGE DURING CONSTRUCTION SHALL BE PROTECTED WITH A SEDIMENT BARRIER PER FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL TO PREVENT OFF-SITE DISCHARGE OF SEDIMENTS. A SILT BARRIER SHALL SPECIFICALLY BE REQUIRED, CONSTRUCTED, AND MAINTAINED AS INDICATED ON THIS SHEET. TEMPORARY SEED AND MULCH SHOULD BE USED TO CONTROL ON-SITE EROSION WHEN IT IS NOT PRACTICAL TO ESTABLISH PERMANENT VEGETATION. SOD SHALL BE PLACED AS EARLY AS POSSIBLE ON ALL SLOPES STEEPER THAN 5 (FT) HORIZONTAL TO 1 (FT) VERTICAL. SOD SHALL BE PINNED AS REQUIRED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. THE CONTRACTOR SHALL INSPECT AND REPAIR AS NECESSARY THE EROSION/SEDIMENTATION PROTECTION AT THE END OF EACH WORKING DAY.

NOTE: EROSION/SEDIMENTATION CONTROL SHALL BE PLACED PRIOR TO SITE EXCAVATION AND SHALL REMAIN IN PLACE UNTIL SITE VEGETATION AND LANDSCAPING IS COMPLETE.

B. ALL INLET STRUCTURES AND PIPE SHALL BE PROTECTED FROM SILTATION BY CONSTRUCTING INLET PROTECTION AS DEFINED BY THESE PLANS OR IN THE FDOT STANDARDS. IF SILTATION OCCURS, THE CONTRACTOR IS RESPONSIBLE TO REMOVE SILTATION AS PART OF THE BASE CONTRACT AT NO ADDITIONAL COST TO THE OWNER.

C. EXCAVATED STORMWATER FACILITIES SHALL BE CONSTRUCTED AS PART OF THE INITIAL CONSTRUCTION. THE FACILITIES SHALL BE ROUGH GRADED TO THE DESIGN ELEVATIONS. AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED, THE FACILITIES BOTTOM SHALL BE OVER-EXCAVATED BY SIX INCHES, SCARIFIED, BACKFILLED WITH ARCHER FILLE (HAVING NO MORE THAN 5% PASSING NO. 200 SIEVE), AND GRADED TO FINAL DESIGN GRADES. EXCESS AND UNSUITABLE SOILS SHALL BE REMOVED FROM THE BASIN (REMOVE ALL ACCUMULATED SILTS, CLAYS, ORGANIC, AND DEBRIS). FINALLY, SCARIFIED AND RAKE BOTTOM AND VEGETATE.

D. PERMANENT VEGETATIVE STABILIZATION SHALL BE APPLIED ON FINE GRADED SITES AS SOON AS PRACTICAL. TEMPORARY SEEDING SHOULD BE EMPLOYED TO PREVENT EXPOSURE OF BARREN SOILS UNTIL PERMANENT VEGETATION CAN BE APPLIED.

E. ALL SLOPES 1:3 OR STEEPER REQUIRE LAPPED OR PEGGED SOD.

F. EROSION, SEDIMENT AND TURBIDITY CONTROL ARE THE RESPONSIBILITY OF THE CONTRACTOR. THESE DELINEATED MEASURES ARE THE MINIMUM REQUIRED, WITH ADDITIONAL CONTROLS TO BE UTILIZED AS NEEDED, DEPENDENT UPON ACTUAL SITE CONDITIONS AND CONSTRUCTION OPERATION.

G. ALL SYNTHETIC BALES, SILT FENCE, AND OTHER EROSION CONTROL MEASURES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.

2. THE CONTRACTOR SHALL MAINTAIN IN HIS POSSESSION A COPY OF THE ENVIRONMENTAL RESOURCE CONSTRUCTION PERMIT. HE SHALL BE RESPONSIBLE FOR ADHERENCE TO ALL CONDITIONS CONTAINED IN THE PERMIT.

3. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.

4. CONTRACTOR SHALL SUBMIT FOR REVIEW TO THE OWNER AND OWNER'S ENGINEER SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO BE USED ON THIS SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL OF A SHOP DRAWING DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR THE PERFORMANCE OF THE ITEM.

5. THE COST OF ALL TESTING OF COMPACTION AND OTHER REQUIRED TESTS SHALL BE PAID BY THE CONTRACTOR AND MADE AVAILABLE TO THE ENGINEER OF RECORD DURING SITE INSPECTIONS.

6. GENERAL CONTRACTOR TO CONTACT ENGINEER OF RECORD AND THE OWNER REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO BACKFILLING TRENCHES FOR FIELD INSPECTION AND PRIOR TO LAYING ASPHALT FOR FIELD INSPECTION.

7. CONTRACTOR IS TO SUBMIT FDOT APPROVED ASPHALT DESIGN MIXES TO THE OWNER'S REPRESENTATIVE AND ENGINEER OF RECORD BEFORE ANY WORK IS TO COMMENCE ON PROJECT. THE MIXTURE AT THE PLANT OR ON THE ROAD SHALL NOT EXCEED 335 DEGREES. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND PROVIDE TEMPERATURE READINGS PRIOR TO LAYING ASPHALT.

8. AS DETERMINED NECESSARY AND DIRECTED BY CITY OF ALACHUA, OR ENGINEER OF RECORD, THE CONTRACTOR SHALL UNDERCUT ALL UNSUITABLE MATERIAL 24 INCHES BELOW THE BOTTOM OF ANY PROPOSED LIMEROCK BASE, AND SHALL BACKFILL WITH FILL MATERIAL MEETING FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. SEE FDOT INDEX NO. 120-001 AND 120-002.

9. PROVIDE LEVEL PLATFORM IN FRONT OF ALL EGRESS DOORS. THE FLOOR SURFACE ON BOTH SIDES OF A DOOR SHALL BE AT THE SAME ELEVATION. THE FLOOR SURFACE OR LANDING ON EACH SIDE OF THE DOOR SHALL EXTEND FROM THE DOOR IN THE CLOSED POSITION A DISTANCE EQUAL TO THE DOOR WIDTH AND SHALL COMPLY WITH SECTION 4.13.6 MANEUVERING CLEARANCES AT DOORS OF THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.

10. RAMPS SHALL HAVE LEVEL LANDINGS AT THE BOTTOM AND TOP OF EACH RAMP RUN. CURB RAMPS ARE NOT REQUIRED TO HAVE LANDINGS. LANDINGS SHALL HAVE THE FOLLOWING FEATURES:

A. THE LANDING SHALL BE AT LEAST AS WIDE AS THE RAMP RUN LEADING TO IT.

B. ALL LANDINGS ON RAMPS SHALL BE NOT LESS THAN 60" CLEAR, AND THE BOTTOM OF EACH RAMP SHALL HAVE NOT LESS THAN 72" OF STRAIGHT AND LEVEL CLEARANCE.

C. IF RAMPS CHANGE DIRECTION AT LANDINGS, THE MINIMUM LANDING SIZE SHALL BE 60"X60". IF A RAMP RUN HAS A RISE GREATER THAN 6" OR A HORIZONTAL PROJECTION GREATER THAN 72" THEN IT SHALL HAVE HANDRAILS ON BOTH SIDES. HANDRAILS ARE NOT REQUIRED ON CURB RAMPS. HANDRAILS SHALL BE SHOWN ON THE SITE PLAN.

11. THE CONTRACTOR SHALL STOCKPILE TOPSOIL AND CONSTRUCTION MATERIALS IN AREAS DESIGNATED BY THE OWNER.

12. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING RECORD DRAWINGS AS NOTED IN NOTE #29 UNDER SITE GENERAL NOTES.

13. ALL CONCRETE USED SHALL BE 2,500 PSI MINIMUM.

14. ALL WELLS, CLEANOUTS, MANHOLE TOPS, PULL BOX COVERS AND OTHER UTILITY APPURTENANCES IN THE AREA OF REDEVELOPMENT SHALL BE PROTECTED AND TOPS ADJUSTED TO MATCH PROPOSED GRADES.

15. CONTRACTOR SHALL SAW CUT, TACK, AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS ANY EXISTING PAVEMENT.

16. SOD SHALL BE PLACED AROUND ALL STRUCTURES AS DIRECTED BY THE FDOT INDEX NO. 524-001 AND FDOT INDEX 425- AND 430- SERIES AS APPROPRIATE. ALL OTHER DISTURBED AREAS SHALL BE SEEDED AND MULCHED.

17. ALL STORM SEWER CURB AND DITCH BOTTOM INLETS SHALL CONFORM TO THE APPLICABLE FDOT INDEX. ALL DRAINAGE STRUCTURES WITH GRATES THAT ARE LOCATED IN GRASSED AREAS SHALL HAVE THE GRATE CHAINED TO THE STRUCTURE USING AN EYE BOLT AND CHAIN.

18. ALL CONCRETE STRUCTURES SHALL HAVE ALL EXPOSED EDGES CHAMFERED 3/4" AND CLASS I SURFACE FINISH.

19. ALL HDPE FITTINGS AND CONNECTORS SHALL BE WATER TIGHT. SEE SPECIFICATIONS FOR MORE INFORMATION.

20. COMPACTION OF ALL MATERIALS SHALL BE LIMITED TO STATIC MODE ONLY, UNLESS DIRECTED OTHERWISE BY THE ENGINEER OF RECORD.

21. ALL STORMWATER PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 430.

MAINTENANCE OF STORMWATER SYSTEM

1. PLEASANT SOLAR, LLC SHALL BE THE ENTITY RESPONSIBLE FOR THE STORMWATER BASINS AND FOR THE STORMWATER CONVEYANCE SYSTEM.

CITY OF ALACHUA NOTES

1. ALL STAGING AREAS FOR CONSTRUCTION EQUIPMENT, VEHICLES, AND MATERIALS FOR INSTALLATION MUST BE INTERNAL TO THE SITE.

2. CONSTRUCTION ACTIVITIES MAY ONLY OCCUR BETWEEN THE HOURS OF 7:00 AM AND 7:00 PM, MONDAY THROUGH FRIDAY AND BETWEEN THE HOURS OF 9:00 AM AND 7:00 PM, SATURDAY AND SUNDAY.

3. DUST AND DEBRIS FROM CONSTRUCTION ACTIVITIES MUST BE MINIMIZED AS TO NOT SPREAD DUST AND DEBRIS OFF-SITE. THIS MAY INCLUDE, BUT IS NOT LIMITED TO, DUST CONTROL ACHIEVED THROUGH WATER TRUCKS, REMOVAL OF MUD/SOIL FROM VEHICLE TIRES BEFORE EXITING THE SITE, AND STREET CLEANING.

4. ANY LIGHTING REQUIRED FOR CONSTRUCTION ACTIVITIES MUST BE SHIELDED AND/OR DIRECTED AS TO NOT SPILL LIGHT TO OFF-SITE AREAS OR ADJACENT PROPERTIES AND RIGHTS-OF-WAY. LIGHTING MAY ONLY BE USED DURING THE RESTRICTED HOURS OF CONSTRUCTION ACTIVITIES, EXCEPT FOR MINIMAL SECURITY LIGHTING, WHICH MAY BE USED OUTSIDE OF THE RESTRICTED HOURS OF CONSTRUCTION ONLY SUCH THAT NO DISTURBANCES OR LIGHT SPILL TO OFF-SITE AREAS OR ADJACENT PROPERTIES AND RIGHTS-OF-WAY OCCUR.

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SCALE: N/A
VERIFY SCALE: BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: GENERAL NOTES

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 ★ STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C0.10

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ABBREVIATIONS

	SYMBOLS
'	*FEET (WHEN USED WITH LENGTHS)*
°	*DEGREES*
'	*MINUTES (WHEN USED WITH ANGLES)*
"	*SECONDS*
%	*PERCENT*
@	*AT*
	A
AASHTO	*ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS*
AC	*ACRES*
ADA	*AMERICAN WITH DISABILITIES ACT*
ANSI	*AMERICAN NATIONAL STANDARDS INSTITUTE*
ARCH	*ARCHITECT*
ARV	*AIR RELEASE VALVE*
ASTM	*AMERICAN SOCIETY FOR TESTING AND MATERIALS*
AWWA	*AMERICAN WATER WORKS ASSOCIATION*
	B
BC	*BACK OF CURB*
BFP	*BACKFLOW PREVENTER*
BLDG	*BUILDING*
BM	*BENCHMARK*
BMP	*BEST MANAGEMENT PRACTICE*
BOC	*BACK OF CURB*
BVCS	*BEGIN VERTICAL CURVE STATION*
BVCE	*BEGIN VERTICAL CURVE ELEVATION*
BW	*BOTTOM OF WALL*
BSL	*BUILDING SETBACK LINE*
	C
CATV	*CABLE TELEVISION*
CI	*CURB INLET*
CIP	*CAST IRON PIPE*
CLDIP	*CEMENT LINE DUCTILE IRON PIPE*
CMP	*CORRUGATED METAL PIPE*
CO	*CLEANOUT*
COA	*CITY OF ALACHUA*
CONC	*CONCRETE*
COORD	*COORDINATE*
CR	*COUNTY ROAD*
C/O	*CLEANOUT*
	D
DBH	*DIAMETER AT BREAST HEIGHT*
DE	*DRAINAGE EASEMENT*
DEG	*DEGREE*
DIA	*DIAMETER*
DIP	*DUCTILE IRON PIPE*
DWG	*DRAWING*
	E
e	*RATE OF ELEVATION*
E	*EAST*
EA	*EACH*
EL	*ELEVATION*
ELEV	*ELEVATION*
EOP	*EDGE OF PAVEMENT*
EOR	*ENGINEER OF RECORD*
ERCP	*ELLIPTICAL REINFORCED CONCRETE PIPE*
ESMT	*EASEMENT*
EVCS	*END VERTICAL CURVE STATION*
EVCE	*END VERTICAL CURVE ELEVATION*
EX	*EXISTING*
	F
FAC	*FLORIDA ADMINISTRATIVE CODE*
FBR	*FLORIDA BEARING RATIO*
FC	*FRICTION COURSE*
FDEP	*FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION*
FDOT	*FLORIDA DEPARTMENT OF TRANSPORTATION*
FFE	*FINISHED FLOOR ELEVATION*
FH	*FIRE HYDRANT*
FHWA	*FLORIDA HIGHWAY ADMINISTRATION*
FIG	*FIGURE*
FM	*FORCE MAIN*
FOC	*FACE OF CURB*
FS	*FLORIDA STATUTES*
FT	*FEET*
	G
GALV	*GALVANIZED*
GM	*GAS MAIN*
GV	*GATE VALVE*
	H
HDPE	*HIGH DENSITY POLYETHYLENE*
HP	*HIGH POINT*
	I
ID	*IDENTIFICATION*
INV	*INVERT*
INV EL	*INVERT ELEVATION*
IP	*IRON PIPE*
	K
K	*VERTICAL CURVE RATE OF CHANGE*
	L
L	*LENGTH*
LA	*LANDSCAPE ARCHITECT*
LBR	*LIMEROCK BEARING RATIO*
LDR	*LAND DEVELOPMENT REGULATION*
LF	*LINEAR FEET*
LP	*LOW POINT*
LT	*LEFT*
	M
MAX	*MAXIMUM*
ME	*MATCH EXISTING*
MH	*MANHOLE*
MIN	*MINIMUM*
MISC	*MISCELLANEOUS*
MJ	*MECHANICAL JOINT*
MUTCD	*MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES*
	N
N	*NORTH*
N-E	*NORTHING - EASTING*
N/A	*NOT APPLICABLE*
NAVD	*NORTH AMERICAN VERTICAL DATUM OF 1988*
NGVD	*NATIONAL GEODETIC VERTICAL DATUM OF 1929*
NO	*NUMBER*
NPDES	*NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM*
NTS	*NOT TO SCALE*
	O
OC	*ON CENTER*
OHW	*OVERHEAD WIRE*
ORB	*OFFICIAL RECORDS BOOK*
OSHA	*OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION*
	P
PAVT	*PAVEMENT*
PC	*POINT OF CURVATURE*
PCC	*POINT OF COMPOUND CURVE*
PE	*POLYETHYLENE*
PERF	*PERFORATED*
PROP	*PROPOSED*
PT	*POINT OF TANGENCY*
PVC	*POLYVINYL CHLORIDE*
PUE	*PUBLIC UTILITY EASEMENT*
PVI	*POINT OF VERTICAL INTERSECTION*
	R
R	*RADIUS*
RCP	*REINFORCED CONCRETE PIPE*
RPM	*RAISED REFLECTIVE PAVEMENT MARKER*
RPZ	*REDUCED PRESSURE ZONE*
RT	*RIGHT*
RWM	*RECLAIMED WATER MAIN*
R/W	*RIGHT-OF-WAY*
	S
S	*SOUTH*
SAN	*SANITARY*
SHWE	*SEASONAL HIGH WATER ELEVATION*
SF	*SILT FENCE*
SL	*SLOPE*
SP	*SUPERPAVE*
SR	*STATE ROAD*
SS	*SANITARY SEWER*
ST	*STORM*
STA	*STATION*
STD	*STANDARD*
	T
TB	*TREE BARRICADE*
TCE	*TEMPORARY CONSTRUCTION EASEMENT*
TEMP	*TEMPORARY*
TOB	*TOP OF BANK*
TV	*TELEVISION*
TW	*TOP OF WALL*
TYP	*TYPICAL*
	U
USF	*UNITED STATES FOUNDRY*
USGS	*UNITED STATES GEOLOGICAL SURVEY*
UTIL	*UTILITY*
	V
V	*VERTICAL*
VC	*VERTICAL CURVE*
VCP	*VITRIFIED CLAY PIPE*
	W
W	*WEST*
W	*WATER*
W/	*WITH*
WM	*WATER MAIN*
WW	*WASTEWATER*
WWF	*WELDED WIRE FABRIC*

SIGNAGE

SIGNS ARE PER FDOT SPECIFICATIONS OR PER MUTCD. SIGN POSTS AND INSTALLATION SHALL BE PER FDOT INDEX NO. 700-010. SIGN PLACEMENT SHALL BE PER FDOT INDEX NO. 700-101.

FTP-20-06 (12" X 18") PER FDOT INDEX NO. 700-102

R1-1 "STOP" - SEE PLANS FOR SIZE

SITE INFORMATION

EX. PROPERTY LINE
LANDSCAPE BUFFER LINE
BUILDING SETBACK LINE
WETLAND LIMITS LINE
WETLAND SETBACK LINE
CENTER LINE
EASEMENT LINE
RIGHT-OF-WAY LINE
SILT FENCE LINE
TREE BARRICADE LINE
EX. STRUCTURE OR BUILDING
PROPOSED BUILDING
PROPOSED ASPHALTIC PAVEMENT
PROPOSED CONCRETE PAVEMENT
PROPOSED DETECTABLE WARNING SURFACE
DIRECTIONAL TRAFFIC ARROW PER FDOT INDEX NO. 17346
WATERSHED DIVIDE
EX. ELEVATION CONTOUR
PROPOSED CONTOUR
EX. SPOT ELEVATION
PROPOSED SPOT ELEVATION
DIRECTION OF SURFACE DRAINAGE FLOW
PROPOSED SWALE LINE
EX. FENCE
PROPOSED FENCE
EX. TREE (SIZE & TYPE)
EX. TREE (TREE ID)
EX. TREE TO BE REMOVED (SIZE & TYPE)
EX. TREE TO BE REMOVED (TREE ID)
PROJECT BENCHMARK

STORMWATER

THE PROPOSED STORMWATER STRUCTURES DEPICTED BELOW ARE DRAWN PER FDOT SPECIFICATIONS AND TO SCALE WHEN SHOWN ON THE PLAN SHEETS.

EX. GRAVITY STORMWATER MAIN
PROPOSED GRAVITY STORMWATER MAIN (PIPE LENGTHS ARE FROM N-E LOCATION OF A STRUCTURE TO N-E LOCATION OF A STRUCTURE)
EX. STORMWATER MANHOLE
PROPOSED 48" DIA. STORMWATER MANHOLE PER FDOT INDEX. NO. 425-001 AND 425-010
PROPOSED CIRCULAR AREA DRAIN
PROPOSED SQUARE AREA DRAIN
PROPOSED TYPE 1 CURB INLET TOP PER FDOT INDEX NO. 425-020 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 2 CURB INLET TOP PER FDOT INDEX NO. 425-020 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 3 CURB INLET TOP PER FDOT INDEX NO. 425-020 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 4 CURB INLET TOP PER FDOT INDEX NO. 425-020 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 5 CURB INLET TOP PER FDOT INDEX NO. 425-021 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 6 CURB INLET TOP PER FDOT INDEX NO. 425-021 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 9 CURB INLET TOP PER FDOT INDEX NO. 425-024 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 'C' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 425-052 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)
PROPOSED TYPE 'D' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 425-052 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)
PROPOSED TYPE 'E' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 425-052 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)
PROPOSED TYPE 'F' DITCH BOTTOM INLET TOP WITH STEEL GRATE PER FDOT INDEX NO. 425-053 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 'G' DITCH BOTTOM INLET TOP WITH STEEL GRATE PER FDOT INDEX NO. 425-053 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 'H' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 425-052 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)
PROPOSED TYPE 'J' DITCH BOTTOM INLET TOP WITH STEEL GRATE PER FDOT INDEX NO. 425-054 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED U-TYPE CONCRETE ENDWALLS WITH GRATES PER FDOT INDEX NO. 430-010 (SEE PLANS FOR SIZE)
PROPOSED FLARED END SECTION PER FDOT INDEX NO. 430-020 (SEE PLANS FOR SIZE)
PROPOSED CROSS DRAIN MITERED END SECTION PER FDOT INDEX NO. 430-021 (SEE PLANS FOR SIZE)
PROPOSED SIDE DRAIN MITERED END SECTION PER FDOT INDEX NO. 430-022 (SEE PLANS FOR SIZE)
PROPOSED STORMWATER STRUCTURE ID TAG

POTABLE AND RECLAIMED WATER

EX. POTABLE WATER MAIN
PROPOSED POTABLE WATER MAIN
EX. RECLAIMED WATER MAIN
PROPOSED RECLAIMED WATER MAIN
11.25° BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
22.5° BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
45° BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
90° BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
TEE (POTABLE AND RCW)
CROSS (POTABLE AND RCW)
BLOWOFF ASSEMBLY (POTABLE AND RCW)
REDUCER (POTABLE AND RCW)
EX. GATE VALVE AND BOX (POTABLE AND RCW)
PROPOSED GATE VALVE AND BOX (POTABLE AND RCW)
EX. AIR RELEASE VALVE (POTABLE AND RCW)
PROPOSED AIR RELEASE VALVE (POTABLE AND RCW)
EX. FIRE HYDRANT ASSEMBLY
PROPOSED FIRE HYDRANT ASSEMBLY
PROPOSED SAMPLE POINT
EX. WATER METER (POTABLE AND RCW)
PROPOSED POTABLE WATER METER
PROPOSED POTABLE WATER BACK FLOW PREVENTER
PROPOSED RECLAIMED WATER METER
EX. WATER WELL
EX. HOSE BIB (POTABLE AND RECLAIMED)
PROPOSED HOSE BIB (POTABLE AND RECLAIMED)
PROPOSED FITTING ID TAG (POTABLE AND RECLAIMED)

WASTEWATER

EX. GRAVITY WASTEWATER MAIN
PROPOSED GRAVITY WASTEWATER MAIN (PIPE LENGTHS ARE FROM N-E LOCATION OF A STRUCTURE TO N-E LOCATION OF A STRUCTURE)
EX. WASTEWATER FORCE MAIN
PROPOSED WASTEWATER FORCE MAIN
EX. WASTEWATER MANHOLE
PROPOSED WASTEWATER MANHOLE
EX. WASTEWATER CLEANOUT
PROPOSED WASTEWATER CLEANOUT
PROPOSED WASTEWATER GREASE TRAP
PROPOSED WASTEWATER MANHOLE ID
11.25° BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
22.5° BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
45° BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
90° BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
WYE W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
EX. PLUG VALVE AND BOX (WW FORCE MAIN)
PROPOSED PLUG VALVE AND BOX (WW FORCE MAIN)
EX. AIR RELEASE VALVE (WW FORCE MAIN)
PROPOSED AIR RELEASE VALVE (WW FORCE MAIN)

MISCELLANEOUS UTILITIES

THE PROPOSED UTILITIES BELOW ARE DESIGN BY OTHERS AND ARE DEPICTED FOR COORDINATION PURPOSES ONLY. REFER TO PLANS BY OTHERS FOR EXACT LOCATIONS, DIMENSION, AND DETAILS.

PROPOSED AT&T LINE
EX. BURIED CABLE LINE
PROPOSED BURIED CABLE LINE
EX. BURIED TELEPHONE LINE
PROPOSED TELEPHONE LINE
EX. CABLE TELEVISION LINE
PROPOSED CABLE/TELEVISION LINE
EX. FIBER OPTIC LINE
EX. UNDERGROUND TELEPHONE LINE
EX. TELEPHONE PEDESTAL
EX. TELEVISION/CABLE PEDESTAL
EX. CHILLED WATER MAIN
PROPOSED CHILLED WATER MAIN
EX. FIRE MAIN
PROPOSED FIRE MAIN
EX. IRRIGATION LINE
PROPOSED IRRIGATION LINE
EX. STEAM LINE
PROPOSED STEAM LINE
PROPOSED CLAY ELECTRIC LINE
EX. ELECTRIC LINE
PROPOSED ELECTRIC LINE
EX. ENERGY LINE
PROPOSED PRIVATE LIGHTING LINE
EX. OVERHEAD WIRE LINE
EX. UNDERGROUND ELECTRIC LINE
EX. LIGHT
EX. UTILITY POLE
EX. UTILITY POLE
EX. WOOD POWER POLE
EX. GUY ANCHOR
PROPOSED TRANSFORMER
EX. GAS LINE
PROPOSED GAS LINE
EX. GAS MARKER
EX. GAS MARKER

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NOTES:
1. THIS LEGEND IS ALL INCLUSIVE AND MAY INCLUDE ITEMS NOT A PART OF THIS PLAN SET.

2. SYMBOLS SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. UNLESS NOTED OTHERWISE, SYMBOLS IN THESE PLANS MAY NOT BE REPRESENTATIVE OF SIZE.

SOLARIANT
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est. 1988 FLORIDA CA-7575
CHW Professional Consultants

SCALE: N/A
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
10/02/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CONSTRUCTION/BID REVISIONS:

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: LEGEND

TECHNICIAN: J. THOMAS
DESIGNER: N. CHAP
PROJECT CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C0.11

Tech: nicolas Plot Date: Apr 29,2024 11:50am Filename: N:\2021\21-0275\Department\04_Engineering\02_DWGs\Production Files\21-0275_00.00_Cover_NT_LG.dwg

I. INTRODUCTION

THIS DOCUMENT WAS PREPARED IN ORDER TO ILLUSTRATE COMPLIANCE WITH CHAPTER 62-621.300 (4) OF THE FLORIDA ADMINISTRATIVE CODE, WHICH PERTAINS TO THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THE ADMINISTRATIVE CODE GRANTS THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) THE AUTHORITY TO REGULATE POINT SOURCE DISCHARGE OF STORMWATER FROM CONSTRUCTION SITES. THIS DOCUMENT ESTABLISHES A STORMWATER POLLUTION PREVENTION PLAN FOR THE SITE USING STANDARD PRACTICE AND BEST MANAGEMENT PRACTICES (BMPs) AND IS ORGANIZED TO CORRESPOND TO 62-621.300(4)(a) GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES FDEP FORM 62-621.300(4)(b) IS TO BE SUBMITTED IN CONJUNCTION WITH THIS DOCUMENT. CONTRACTOR(S) MUST FILL IN THE ACTIVITIES SEQUENCE (SECTION II. B. BELOW) AND SIGN THIS SHEET (REFER TO SIGNATURE TABLE THIS SHEET) AND RETAIN THIS SHEET AND ALL FOLLOWING SWPPP SHEETS ON SITE. ALTERNATIVELY, CONTRACTOR(S) MAY PREPARE AND SIGN THEIR OWN SWPP PLAN MEETING THE REQUIREMENTS. IF THE SITE OR CONTRACTOR ACTIVITIES REQUIRE ANY BMPs THAT ARE NOT DESCRIBED ON THIS SHEET, THE CONTRACTOR MUST PREPARE AN ALTERNATIVE OR ADDITIONAL SWPPP DOCUMENT CONTAINING THE NECESSARY BMPs.

II. SITE DESCRIPTION

COUNTY:	*ALACHUA COUNTY, FLORIDA*
SECTION, TOWNSHIP, RANGE:	*SECTION 17&20, TOWNSHIP 8 SOUTH, RANGE 17 EAST*
COUNTY PARCEL NO.:	*03894-0000-000 & 03898-000-000*
STREET ADDRESS:	*TBD, ALACHUA, FLORIDA*
PROJECT AREA:	*321.49 ACRES*
SITE LOCATION MAP:	*SEE COVER SHEET OF CONSTRUCTION DRAWINGS*

A. NATURE OF CONSTRUCTION ACTIVITY

THE PROPOSED DEVELOPMENT IS THE CONSTRUCTION OF ±320 AC SOLAR ENERGY FACILITY AND ACCESS ROAD. STORMWATER WILL RUNOFF INTO 15 EXISTING DEPRESSIONS LOCATED MOSTLY ONSITE. THE PROJECT SITE IS LOCATED IN THE NORTHWESTERN QUADRANT OF THE COUNTY ROAD 235A AND PEGGY ROAD INTERSECTION IN ALACHUA, FLORIDA

B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES - CONTRACTOR MUST FILL IN DAYS

DAYS

FROM_____TO_____ PRIOR TO CONSTRUCTION, SILT FENCING AND TREE PROTECTION FENCING SHALL BE INSTALLED AND ALL EXISTING STORM DRAINAGE SWALE AND INLETS SHALL BE PROTECTED IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, DATED JULY 2013, AND THESE PLANS.

FROM_____TO_____ THE CONSTRUCTION SERVICE ENTRANCE SHALL BE STABILIZED TO MINIMIZE THE CREATION OF DUST AND OFF-SITE TRACKING OF SEDIMENTS.

FROM_____TO_____ ONLY THE AREA COMPRISING THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CLEARED AND GRUBBED OF UNWANTED VEGETATION.

FROM_____TO_____ THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CONSTRUCTED.

FROM_____TO_____ IF SUITABLE, THE EXCAVATED SOIL FROM THE FACILITY(S) MAY BE USED AS FILL FOR ON-SITE GRADING THAT IS DEPICTED IN THESE CONSTRUCTION PLANS. THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL ON-SITE OR OFF-SITE TO A PERMITTED LOCATION.

FROM_____TO_____ THE REMAINING PORTION OF THE SITE THAT IS TREATED BY THE CONSTRUCTED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CLEARED AND GRUBBED.

FROM_____TO_____ THE PERMANENT ROADWAYS/DRIVEWAYS SHALL BE ROUGHLY GRADED.

FROM_____TO_____ THE UNDERGROUND UTILITIES INFRASTRUCTURE AND STORMWATER PIPING SYSTEM SHALL BE INSTALLED. ANY DE-WATERING (PUMPED) SHALL BE DIVERTED TO THE ASSOCIATED STORMWATER MANAGEMENT FACILITY(S).

FROM_____TO_____ THE PERMANENT ROADWAY/DRIVEWAY SUBGRADE SHALL BE COMPACTED, A LIMEROCK BASE SHALL BE ESTABLISHED, AND THEN FOLLOWED BY AN OVERLAY OF ASPHALT.

FROM_____TO_____ UPON SIGNIFICANT COMPLETION OF CONSTRUCTION, THE STORMWATER PIPING SYSTEM SHALL BE FLUSHED OUT TO REMOVE ACCUMULATED DEBRIS AND SEDIMENT.

FROM_____TO_____ UPON COMPLETION OF THE DEBRIS AND SEDIMENT REMOVAL FROM THE STORMWATER PIPING SYSTEM, THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE FINE GRADED AND SHALL BE EXCAVATED A MINIMUM OF SIX INCHES BELOW THE DESIGN BOTTOM ELEVATION AND REPLACED WITH FILL HAVING A MINIMUM PERMEABILITY RATE OF 20 FEET/DAY WITH A MAXIMUM OF 5% SOIL FINES PASSING THE NO. 200 SIEVE. THE BOTTOM SHALL BE SCARIFIED AND STABILIZED ACCORDING TO THESE PLANS. ONCE COMPLETED, NO HEAVY MACHINERY SHALL BE ALLOWED WITHIN THE STORMWATER MANAGEMENT FACILITY(S).

FROM_____TO_____ ALL REMAINING DISTURBED AREAS WITHIN THE CONSTRUCTION AREA SHALL BE COMPLETELY GRASSED AND/OR LANDSCAPED ACCORDING TO THESE PLANS. TURF ESTABLISHMENT SHALL BE PER FDOT STANDARD SPECIFICATIONS SECTION 570. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO REMOVAL OF SILT FENCING AND OTHER EROSION CONTROL APPLICATIONS.

C. SITE DEVELOPMENT DATA:

TOTAL PROJECT SITE AREA:	*321.49 ACRES*
TOTAL SITE AREA TO BE DISTURBED:	*321.49 ACRES*
TOTAL ONSITE IMPERVIOUS AREA (AS SHOWN IN CONSTRUCTION DRAWINGS):	*5.02 ACRES*
TOTAL DETENTION VOLUME:	*222,838 ACRE-FEET*
TOTAL OPEN AREA:	*315.78 ACRES*

D. SOIL CONDITIONS AND STORMWATER QUALITY

THE NRCS DATA FOR THE SITE REVEALS THAT THE SITE SOILS ARE COMPRISED OF ARREDONDO FINE SAND, MILLHOPPER SAND, FORT MEADE FINE SAND, KENDRICK SAND, BONNEAU FINE SAND, LAKE FINE SAND, BLITCHON SAND, BIVANS SAND, GAINESVILLE SAND AND NORFOLK LOAMY FINE SAND. GSE ENGINEERING & CONSULTING, INC. CONDUCTED A PEER REVIEW OF THE GEOTECHNICAL EXPLORATION OF THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) LOCATION IN JULY OF 2023. THE INVESTIGATION REVEALED THAT THE PROJECT SITE'S SURFACE SOILS HAVE THE FOLLOWING CHARACTERISTICS:

BASE EL. EFFECTIVE OR MOBILIZED AQUIFER:	*0 FEET*
SEASONAL HIGH WATER TABLE:	*45 FEET*
HORIZONTAL HYDRAULIC CONDUCTIVITY:	*1 FEET/DAY (WITH FACTOR OF SAFETY OF 2)*
UNSATURATED VERTICAL INFILTRATION:	*1 FEET/DAY (WITH FACTOR OF SAFETY OF 2)*

DESIGN PERCOLATION RATES FOR THE STORMWATER MANAGEMENT FACILITY(S) WERE DETERMINED BASED ON A PEER REVIEW OF LABORATORY PERMEABILITY TEST RESULTS FROM BORING SAMELES TAKEN WITHIN THE LIMITS OF THE STORMWATER MANAGEMENT FACILITY(S) AND GEOGRAPHICALLY SIGNIFICANT HISTORAL DATA.

THE STORMWATER MANAGEMENT FACILITY(S) WAS DESIGNED TO PROVIDE RATE AND VOLUME CONTROL AND WATER QUALITY TREATMENT OF THE STORMWATER RUNOFF RESULTING FROM THE POST-DEVELOPMENT SITE UNDER 100-YEAR CRITICAL STORM EVENT RAINFALL CONDITIONS. THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) DEPICTS THE POST-DEVELOPMENT WATERSHED(S) LIMITS AND THE TABLE BELOW SUMMARIZES EACH WATERSHED.

WATERSHED ID	*POST DEVELOPMENT AREA (ACRES)*	*POST DEVELOPMENT IMPERVIOUS AREA (ACRES)*	*STORMWATER MANAGEMENT FACILITY TYPE*	*FACILITY DETENTION CAPACITY (ACRE-FEET)*	*100-YEAR 24-HOUR FLOOD ELEVATION (FT)*
1	*11.36*	*0.34*	*DRY RETENTION*	*0.807*	*85.27*
2	*29.96*	*1.86*	*DRY RETENTION*	*11.167*	*68.44*
3	*110.76*	*17.94*	*DRY RETENTION*	*86.783*	*83.22*
4	*34.95*	*3.11*	*DRY RETENTION*	*9.827*	*85.37*
5	*148.33*	*19.52*	*DRY RETENTION*	*24.038*	*88.01*
6	*33.79*	*6.56*	*DRY RETENTION*	*18.795*	*85.12*
7	*82.31*	*10.85*	*DRY RETENTION*	*15.462*	*78.47*
8	*10.03*	*0.61*	*DRY RETENTION*	*1.023*	*86.05*
9	*33.62*	*3.04*	*DRY RETENTION*	*7.675*	*77.64*
10	*53.22*	*8.99*	*DRY RETENTION*	*34.691*	*75.89*
11	*4.23*	*0.19*	*DRY RETENTION*	*0.959*	*82.76*
12	*12.05*	*1.99*	*DRY RETENTION*	*3.811*	*82.95*
13	*13.38*	*0.12*	*DRY RETENTION*	*0.471*	*88.95*
14	*3.44*	*0.36*	*DRY RETENTION*	*3.062*	*77.90*
15	*13.74*	*1.38*	*DRY RETENTION*	*2.194*	*83.84*

E. SITE MAP

PLEASE SEE THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) FOR DETAILS.

F. STORMWATER OUTFALL LOCATION AND RECEIVING WATER BODY

THE PROJECT SITE DRAINS TO 15 EXISTING DEPRESSIONS WHICH ARE MOSTLY CONTAINED ONSITE. NO CHANGES TO THE PRE-DEVELOPMENT DRAINAGE PATTERNS ARE PROPOSED AND THE DEPRESSIONS ARE FULL RETENTION.

III. CONTROLS TO REDUCE POLLUTION

AS OUTLINED IN THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) PERMIT, ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN A MANNER AS TO NOT VIOLATE STATE WATER QUALITY STANDARDS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE. IF SITE CONDITIONS ARE SUCH THAT ADDITIONAL CONTROL MEASURES ARE REQUIRED OTHER THAN WHAT IS SPECIFIED IN THE EROSION AND SEDIMENTATION CONTROL PLAN, THEN THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL BEST MANAGEMENT PRACTICES. THESE MEASURES MUST BE INSPECTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PHASE AND UNTIL AS DIRECTED BY THESE PLANS. THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) AND SECTION IV BELOW PROVIDE DETAILS ON THE SPECIFIC CONTROL MEASURES TO REDUCE STORMWATER POLLUTION.

IV. EROSION AND SEDIMENT CONTROLS

A. STABILIZATION PRACTICES

EXISTING TREES AND NATURAL VEGETATION TO REMAIN ON-SITE SHALL BE PROTECTED BY TREE BARRICADE FENCING AS DEPICTED ON THE STORMWATER POLLUTION PREVENTION PLAN (C0.21). TYPE III SILT FENCING SHALL PROTECT ALL DRAINAGE STRUCTURES AND SHALL BUFFER AREAS WITH POTENTIAL TO CONTRIBUTE OFF-SITE RUNOFF AND AS SPECIFICALLY DEPICTED ON THE STORMWATER POLLUTION PREVENTION PLAN (C0.21). STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED. AS SPECIFIED IN SECTION II.B. ABOVE, UPON COMPLETION OF CONSTRUCTION, ALL STORMWATER MANAGEMENT FACILITIES SHALL BE SCRAPED CLEAN OF ACCUMULATED SEDIMENT AFTER THE COMPLETION OF CONSTRUCTION. ALL TURF ESTABLISHMENT SHALL BE PERFORMED MEETING THE REQUIREMENTS OF SECTION 570 OF THE STANDARD SPECIFICATIONS. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO FINAL RELEASE.

B. STRUCTURE PRACTICES

AS DEPICTED IN THE STORMWATER POLLUTION PREVENTION PLAN (C0.21), A STORMWATER MANAGEMENT SYSTEM WILL BE CONSTRUCTED AND WILL BE COMPRISED OF A DRY RETENTION FACILITY. TO PREVENT EROSION DURING CONSTRUCTION, TYPE III SILT FENCING WILL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS. ALL EXISTING AND PROPOSED STORM DRAINS AND DRAINAGE SWALES SHALL BE PROTECTED ACCORDING TO THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, DATED JULY 2013 OR PER DETAILS PROVIDED ON SHEET C0.21 UNTIL CONSTRUCTION IS COMPLETE.

C. DRAINAGE LOCATIONS THAT SERVE AREAS WITH LESS THAN 10 DISTURBED ACRES

NOT APPLICABLE, SEE SECTION D, BELOW.

D. DRAINAGE LOCATIONS THAT SERVE AREAS WITH MORE THAN 10 DISTURBED ACRES

AS SPECIFIED IN THE "SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES," THE SMF(S) WILL BE CONSTRUCTED PRIOR TO CLEARING AND GRUBBING OUTSIDE OF THE SMF(S) AREAS AND CONSTRUCTION OF THE PERMANENT PAVED AREAS. THE TOTAL CONTRIBUTING DRAINAGE AREA TO THE STORMWATER MANAGEMENT SYSTEM IS APPROXIMATELY 600 ACRES AND WILL CONSIST OF APPROXIMATELY 325 ACRES OF DISTURBED CONSTRUCTION AREA. THEREFORE, NO ADDITIONAL SEDIMENT TRAP BASINS ARE NECESSARY TO PROVIDE SEDIMENT STORAGE ON-SITE DURING CONSTRUCTION. AS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN (C0.21), THE PROPOSED STORMWATER MANAGEMENT SYSTEM WILL PREVENT OFF-SITE EROSION DURING CONSTRUCTION. SILT FENCES OR EQUIVALENT SEDIMENT CONTROLS SHALL BE INSTALLED AT SIDE SLOPE AND DOWN SLOPE BOUNDARIES, INLET LOCATION, OUTLET LOCATIONS, AND OTHER LOCATIONS AS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN, AS REQUIRED. BY COMPLETION OF CONSTRUCTION, THE SIDE SLOPES, SWALES, AND ALL DISTURBED AREAS SHALL BE STABILIZED WITH GRASS AND LANDSCAPING AS SPECIFIED ON THE CONSTRUCTION DRAWINGS.

V. STORMWATER MANAGEMENT

A. BEST MANAGEMENT PRACTICES

AFTER CONSTRUCTION, THE STORMWATER MANAGEMENT SYSTEM SHALL BE MAINTAINED IN ACCORDANCE WITH THE SPECIFIED STORMWATER MAINTENANCE NOTES IN THE INCLUDED CONSTRUCTION DRAWINGS AND/OR RESPECTIVE MAINTENANCE REPORTS. SPECIFICALLY, THE PROPOSED SMF(S) SHALL BE MOWED REGULARLY IN THE SPECIFIED AREAS, STORM PIPES AND STRUCTURES WILL BE INSPECTED SEMI-ANNUALLY AND CLEANED ANNUALLY, SMF(S) SIDE SLOPES SHALL BE MAINTAINED TO PREVENT EROSION, AND LANDSCAPING AND GRASS THAT PREVENTS EROSION SHALL BE MAINTAINED. ADDITIONALLY, REMEDIAL ACTIONS SHALL BE TAKEN SHOULD THE SMF(S) NOT PERFORM AS DESIGNED.

B. VEGETATED SWALES

WHEN VEGETATED SWALES ARE UTILIZED, SILT FENCING OR EQUIVALENT SEDIMENT CONTROLS SHALL BE INSTALLED AT ADEQUATE INTERVALS TO COLLECT SEDIMENT ALONG THE SWALE. THE SEDIMENT SHALL BE REMOVED WHEN SEDIMENT REACHES ONE-THIRD OF THE HEIGHT OF THE SILT FENCING. SEE THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) FOR DETAILS AND LOCATIONS, AS REQUIRED.

C. VELOCITY DISSIPATION DEVICES AT DISCHARGE POINTS

WHEN DISCHARGE POINTS ARE NOT LOCATED UNDER WATER, RIP RAP PADS HAVE BEEN PROVIDED AT LOCATIONS WHERE NECESSARY DUE TO ANTICIPATED DISCHARGE VELOCITIES. PLEASE SEE THE CONSTRUCTION PLANS FOR DETAILS AND LOCATIONS, AS NEEDED.

VI. CONTROLS FOR OTHER POTENTIAL POLLUTANTS

A. WASTE DISPOSAL

THE CONTRACTOR SHALL PROVIDE LITTER COLLECTION CONTAINERS WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION. CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIALS AND CONSTRUCTION DEBRIS IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.

B. DUST CONTROL

TO PREVENT OFF-SITE VEHICULAR TRACKING OF SEDIMENTS AND DUST GENERATION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE ESTABLISHED BY THE SITE CONTRACTOR. PLEASE SEE THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) FOR DETAILS AND LOCATION(S).

C. EXISTING VERSUS PROPOSED POTABLE AND SANITARY SEWER SYSTEMS

THERE ARE NO EXISTING NOR PROPOSED SANITARY SEWER AND POTABLE WATER SYSTEMS LOCATED ON THE PROJECT SITE. IF TEMPORARY SANITARY SYSTEMS ARE UTILIZED DURING CONSTRUCTION, THE CONTRACTOR SHALL PROPERLY CONTROL AND DISCHARGE ANY SANITARY WASTE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

D. FERTILIZER & PESTICIDES

THE USE OF FERTILIZERS, HERBICIDES, AND PESTICIDES ON THE PROJECT SITE, WILL BE DIRECTED BY THE LANDSCAPE PLAN AND THE FDOT STANDARD SPECIFICATIONS SECTION 570, TO SUPPORT THE GROWTH OF THE PROPOSED VEGETATION. ESTABLISHING THIS VEGETATION WILL AID IN THE STABILIZATION OF THE PROJECT SITE AND REDUCE EROSION. APPLICATION RATES FOR THE FERTILIZERS, HERBICIDES, AND PESTICIDES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS TO GUARD AGAINST OVER-USE, WHICH CAN LEAD TO VIOLATIONS OF STATE WATER QUALITY STANDARDS.

E. TOXIC MATERIAL

THE CONSTRUCTION SITE WILL BE IN FULL COMPLIANCE WITH STATE AND FEDERAL REQUIREMENTS. A PLASTIC MAT, TAR PAPER, OR OTHER IMPERVIOUS MATERIAL SHALL BE PLACED UNDER AREAS WHERE TOXIC LIQUIDS ARE TO BE OPENED AND STORED.

F. HAZARDOUS MATERIALS

ALL HAZARDOUS MATERIALS SHALL BE STORED IN A SECURE LOCATION, UNDER COVER, AND IN APPROPRIATE TIGHTLY, SEALED CONTAINERS WHEN NOT IN USE. ALL PRODUCTS SHALL BE STORED IN AND USED FROM THE ORIGINAL CONTAINER WITH THE ORIGINAL PRODUCT LABEL. CONTAINERS MUST BE STORED IN A MANNER TO PROTECT THEM FROM THE ELEMENTS AND INCIDENTAL DAMAGE. THE MINIMUM PRACTICAL QUANTITY OF ALL SUCH MATERIALS SHALL BE KEPT ON THE JOB SITE AND SCHEDULED FOR DELIVERY AS CLOSE TO TIME OF USE AS PRACTICAL.

ALL PRODUCTS SHALL BE USED IN STRICT COMPLIANCE WITH THE INSTRUCTIONS ON THE PRODUCT LABEL.

SUFFICIENT EQUIPMENT AND/OR MATERIALS SHALL BE KEPT ONSITE TO CONTAIN AND CLEAN UP SPILLS OF HAZARDOUS MATERIALS IN THE AREAS WHERE THESE MATERIALS ARE STORED OR USED. SPILL CONTROL AND CONTAINMENT KIT SUPPLIES SHALL BE OF SUFFICIENT QUANTITIES AND APPROPRIATE CONTENT TO CONTAIN A SPILL FROM THE LARGEST ANTICIPATED PIECE OF EQUIPMENT AND FROM THE LARGEST ANTICIPATED QUANTITIES OF PRODUCTS STORED ON THE SITE AT ANY GIVEN TIME.

CONTRACTOR TO CONTAIN AND CLEAN UP ANY SPILLS IMMEDIATELY AFTER THEY OCCUR. ANY SPILLS OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF REPORTABLE QUANTITIES AS DEFINED BY EPA, STATE, OR LOCAL AGENCY REGULATIONS SHALL BE REPORTED TO THE APPROPRIATE AGENCIES IN THE REQUIRED TIME FRAMES. THE CONTRACTOR SHALL PROVIDE A WRITTEN NOTICE TO THE OWNER IMMEDIATELY UPON IDENTIFICATION OF ANY SPILL.

ALL EXCESS, USED, OR SPILLED PRODUCTS, INCLUDING CONTAMINATED SOIL, SHALL BE DISPOSED OF BY THE CONTRACTOR IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT LABEL AND ALL APPLICABLE REGULATIONS.

VII. APPROVED STATE AND LOCAL PLANS

THE CONSTRUCTION DRAWINGS FOR THE PROJECT WERE APPROVED AND PERMITTED BY THE FOLLOWING AGENCIES:

- *CITY OF ALACHUA*
- *FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION*

VIII. CONSTRUCTION ACTIVITY DISCHARGES

IN ACCORDANCE WITH THIS PLAN, THERE ARE NO ANTICIPATED DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

IX. CHANGES TO THE POLLUTION PREVENTION PLAN

THIS STORMWATER POLLUTION PREVENTION PLAN SHALL BE AMENDED TO REFLECT ANY APPLICABLE CHANGE IN A STATE, REGIONAL, OR LOCAL PERMIT FOR WHICH THE PERMITTEE RECEIVES WRITTEN NOTICE. WHEN WRITTEN NOTICE IS RECEIVED, THE PERMITTEE SHALL PROVIDE A RE-CERTIFICATION OF THIS POLLUTION PREVENTION PLAN, WHICH HAS BEEN REVISED TO ADDRESS SUCH CHANGES. AMENDMENTS TO THE PLAN SHALL BE PREPARED, SIGNED, DATE, AND KEPT AS ATTACHMENTS TO THE ORIGINAL PLAN.

X. ALTERNATIVE PERMIT REQUIREMENTS

NO ALTERNATIVE PERMIT REQUIREMENTS ARE REQUESTED.

XI. MAINTENANCE

THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE, INSPECTION SCHEDULE, AND REPAIRS OUTLINED IN THIS PLAN. MAINTENANCE SHALL CONTINUE THROUGHOUT THE PROJECT UNTIL WORK IS COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER CONSTRUCTION IS COMPLETE. IN ADDITION TO THE TIMES MENTIONED IN THE PREVIOUS SECTIONS, THE CONTRACTOR SHALL INITIATE ANY REPAIRS WITHIN 24 HOURS OF BEING REPORTED. IN THE EVENT THAT THE SMF(S) DO NOT PERFORM PROPERLY OR IF A SINKHOLE DEVELOPS, THE PROJECT ENGINEER SHALL BE NOTIFIED TO ASSIST IN COORDINATING REMEDIAL ACTION. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM SILT FENCING WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE SILT FENCE. UPON FINAL COMPLETION OF CONSTRUCTION AND ACCEPTANCE BY BOTH THE CITY AND OWNER, THE OPERATION AND MAINTENANCE ENTITY WILL BE PLEASANT SOLAR, LLC

XII. INSPECTIONS

THE CONTRACTOR SHALL INSPECT ALL POINTS OF POTENTIAL DISCHARGE FROM THE PROJECT SITE FOR ALL DISTURBED AREAS ON THE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. FOR POINTS OF DISCHARGE INTO SURFACE WATERS OF THE STATE OR AN MS4, A QUALIFIED INSPECTOR (PROVIDED BY THE OPERATOR) SHALL PERFORM THE REQUIRED INSPECTIONS. THE CONTRACTOR SHALL INSTALL A RAIN GAUGE AT THE SITE TO MONITOR AND DOCUMENT RAINFALL EVENTS 0.50 INCHES OR GREATER. LOCATIONS WHERE THE SITE IS COMPLETELY CONSTRUCTED AND STABILIZED, SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE A MONTH. ALL INSPECTIONS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION FORM. THE CONTRACTOR MAY USE THEIR OWN FORM (MEETING FDEP SWPPP REQUIREMENTS) OR A SAMPLE FORM FROM FDEP. A SAMPLE CONSTRUCTION FORM IS AVAILABLE AT: "HTTPS://FLORIDADEP.GOV/WATER/STORMWATER/DOCUMENTS/CONSTRUCTION-SWPPP". MORE SPECIFICALLY, THE INSPECTION SHALL ENSURE THE FOLLOWING CATEGORIES.

A. DISTURBED AREAS

ALL DISTURBED AREAS AND AREAS USED FOR MATERIAL STORAGE SHALL BE INSPECTED FOR POLLUTANTS ENTERING THE STORMWATER SYSTEM. THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE INSPECTED TO ENSURE THEY ARE OPERATING CORRECTLY. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

B. MAINTENANCE PERFORMANCE

BASED ON THE RESULTS OF THE INSPECTION, ALL MAINTENANCE OPERATIONS NEEDED TO ASSURE PROPER COMPLIANCE WITH THIS PLAN SHALL BE DONE IN A TIMELY MANNER, BUT IN NO CASE LATER THAN 7 DAYS FOLLOWING THE INSPECTION.

C. REPORTING REQUIREMENTS

ALL INSPECTIONS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION FORM. THIS FORM IS CREATED TO SUMMARIZE THE SCOPE OF THE INSPECTION, THE NAME(S) AND QUALIFICATIONS OF THE INSPECTOR(S), THE DATE OF INSPECTION, RAINFALL DATA, OBSERVATIONS, THE ACTIONS TAKEN TO CORRECT INCIDENTS OF NON-COMPLIANCE WITH THE PROVISIONS OF THIS PLAN. IF NO INCIDENTS OF NON-COMPLIANTS ARE OBSERVED, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND THE ASSOCIATED PERMIT.

XIII. NON-STORMWATER DISCHARGES

IN ADDITION TO STORMWATER RUNOFF, THIS PLAN APPLIES TO RUNOFF FROM IRRIGATION OPERATIONS AND CONSTRUCTION PRACTICES. THIS PLAN DOES NOT PERTAIN TO DISCHARGES FROM FIRE FIGHTING ACTIVITIES.

XIV. CONTRACTORS CERTIFICATION

THE CONTRACTORS OR SUB-CONTRACTORS SHALL PHOTOCOPY AND COMPLETE THE FORM ON THIS PAGE. IT SHALL BE PROVIDED TO THE OWNER AND KEPT ON FILE PURSUANT TO SECTION XV REGARDING PROJECT RECORDS.

XV. RETENTION OF RECORDS

THE PERMITTEE SHALL RETAIN COPIES OF STORMWATER POLLUTION PREVENTION PLANS AND ALL REPORTS REQUIRED BY THIS PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT, FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED.

THE PERMITTEE SHALL RETAIN A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN AND ALL REPORTS, RECORDS, AND DOCUMENTATION REQUIRED BY THIS PERMIT AT THE CONSTRUCTION SITE, OR AN APPROPRIATE ALTERNATIVE LOCATION AS SPECIFIED IN THE NOTICE OF INTENT, FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

XVI. NOTICE OF TERMINATION

NOTICE OF TERMINATION:

1. *WHERE A SITE HAS BEEN FINALLY STABILIZED AND ALL STORMWATER DISCHARGES AUTHORIZED BY THIS PERMIT ARE ELIMINATED, THE PERMITTEE SHALL SUBMIT A NOTICE OF TERMINATION (DEP FORM 62-621.300(6)), SIGNED IN ACCORDANCE WITH PART VII.C OF DEP DOCUMENT NO. 62-621.300(4)(a), WITHIN 14 DAYS OF FINAL STABILIZATION OF THE SITE TO TERMINATE COVERAGE UNDER THIS PERMIT.*
2. *ELIMINATION OF STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY MEANS THAT ALL DISTURBED SOILS AT THE SITE HAVE BEEN FINALLY STABILIZED AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR WILL BE REMOVED AT AN APPROPRIATE TIME, OR THAT ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE SITE THAT ARE AUTHORIZED BY THIS GENERIC PERMIT HAVE OTHERWISE BEEN ELIMINATED.*
3. *FOR CONSTRUCTION ACTIVITIES WHERE THE OPERATOR CHANGES, THE EXISTING OPERATOR SHALL FILE AN N.O.T. IN ACCORDANCE WITH THIS PART WITHIN 14 DAYS OF RELINQUISHING CONTROL OF THE PROJECT TO A NEW OPERATOR.*

THE PERMITTEE SHALL SUBMIT A NOTICE OF TERMINATION TO THE FOLLOWING ADDRESS:

NPDES STORMWATER NOTICES CENTER, MS# 2510
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

PROJECTS THAT DISCHARGED STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY TO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) SHALL SUBMIT A COPY OF THE N.O.T. TO THE OPERATOR OF THE MS4.

Contractor/Subcontractor Certification Statement
Stormwater Pollution Prevention Plan

Site Name: PLEASANT SOLAR
Site Location: TBD (Northwest Quadrant of the intersection of CR 235A and Peggy Road)
Alachua County, Florida

THE CONTRACTOR(S) OR SUB-CONTRACTOR(S) RESPONSIBLE FOR COMPLYING WITH THIS STORMWATER POLLUTION PREVENTION PLAN SHALL SIGN THE CERTIFICATION STATEMENT BELOW. MULTIPLE COPIES OF THIS CERTIFICATION STATEMENT MAY BE NECESSARY DEPENDING ON THE NUMBER OF SUB-CONTRACTORS ASSOCIATED WITH THE PROJECT

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

DATE	RESPONSIBLE INDIVIDUAL'S NAME	RESPONSIBLE INDIVIDUAL'S SIGNATURE	TITLE	COMPANY NAME, ADDRESS, AND PHONE NUMBER

LEGEND:

- CONSTRUCTION STAGING AREA/ CONSTRUCTION TRAILER LOCATION
- TEMPORARY CONSTRUCTION ENTRANCE
- ST — EXISTING STORM SEWER NETWORK
- SF — LIMITS OF PROPOSED SILT FENCE, SEE SHEET C2.30 FOR DETAIL
- TB — LIMITS OF PROPOSED TREE BARRICADE, SEE SHEET C2.30 FOR DETAIL

STORMWATER POLLUTION PREVENTION LEGEND

SD = SOD STABILIZATION	IP = INLET PROTECTION
SF = SILT BARRIER	CO = CONSTRUCTION ENTRANCE/EXIT
TB = TREE BARRICADE	PS = PERMANENT SEEDING
OP = OUTLET PROTECTION	

NOTE: SEE SHEET C2.30 FOR CONSTRUCTION DETAILS

BASIN EROSION AND SEDIMENTATION CONTROL

1. SILT FENCING AND/OR STAKED HAYBALES SHALL BE CONSTRUCTED WHERE SHOWN ON THE DRAWINGS PRIOR TO STARTING CONSTRUCTION.

2 ALL STORMDRAIN INLETS SHALL BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH FDOT STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL.

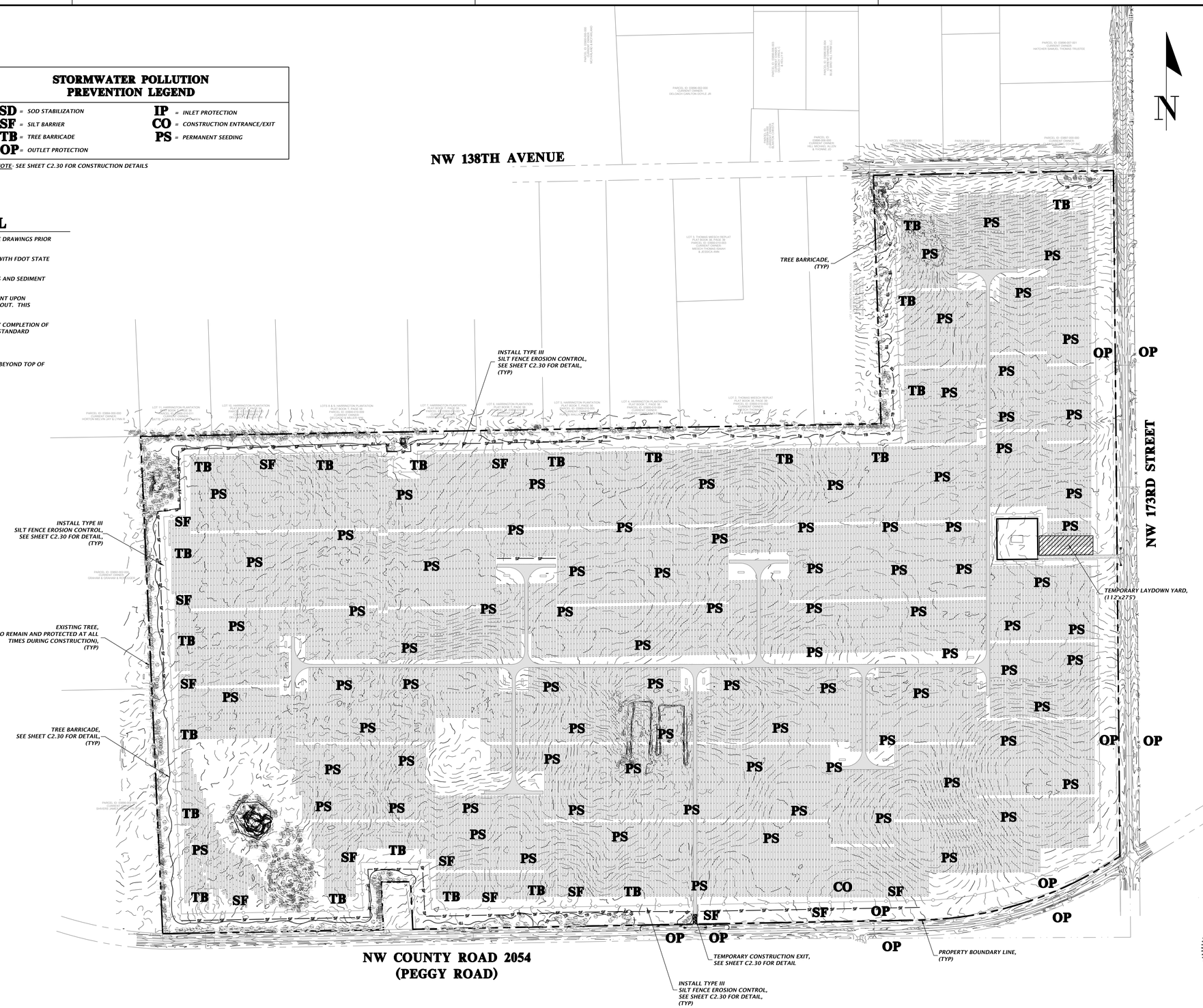
3. THE STORMDRAIN SYSTEM SHALL BE FLUSHED OUT TO REMOVE ALL ACCUMULATED DEBRIS AND SEDIMENT UPON COMPLETION OF CONSTRUCTION.

4. THE DRAINAGE BASIN BOTTOM SHALL BE SCRAPED CLEAN OF ALL ACCUMMULATED SEDIMENT UPON COMPLETION OF CONSTRUCTION AFTER THE STORMDRAIN SYSTEM IS COMPLETELY FLUSHED OUT. THIS ACTIVITY SHALL ONLY OCURR IN A DRY STATE.

5. ALL DISTURBED AREAS IN THE CONSTRUCTION AREA SHALL BE COMPLETELY STABILIZED BY COMPLETION OF CONSTRUCTION. GRASS SEEDING RATES AND MIXTURES SHALL BE PER SECTION 570 OF THE STANDARD SPECIFICATIONS. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO FINAL RELEASE.

6. REFER TO THE SWPPP PLAN FOR COMPLETE EROSION CONTROL MEASURES.

7. WHERE POND TOP OF BANK IS IN CUT TO EXISTING GRADE, CONTRACTOR SHALL SOD 5-FT BEYOND TOP OF BANK FOR EROSION PROTECTION.



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CHW Professional Consultants

SCALE: N/A

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING

0 1"

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: STORMWATER POLLUTION PREVENTION PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER May 21 2024

FL PE No. 84295

SHEET NO.: C0.21

Tech: nicolas Plot Date: Apr 29,2024 11:38am Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.21_SWPPNdwg.dwg



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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: MASTER TREE CANOPY
PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. CLAPP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY * LICENSE * No. 84295 * STATE OF FLORIDA * PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.
C0.30

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GRAPHIC SCALE

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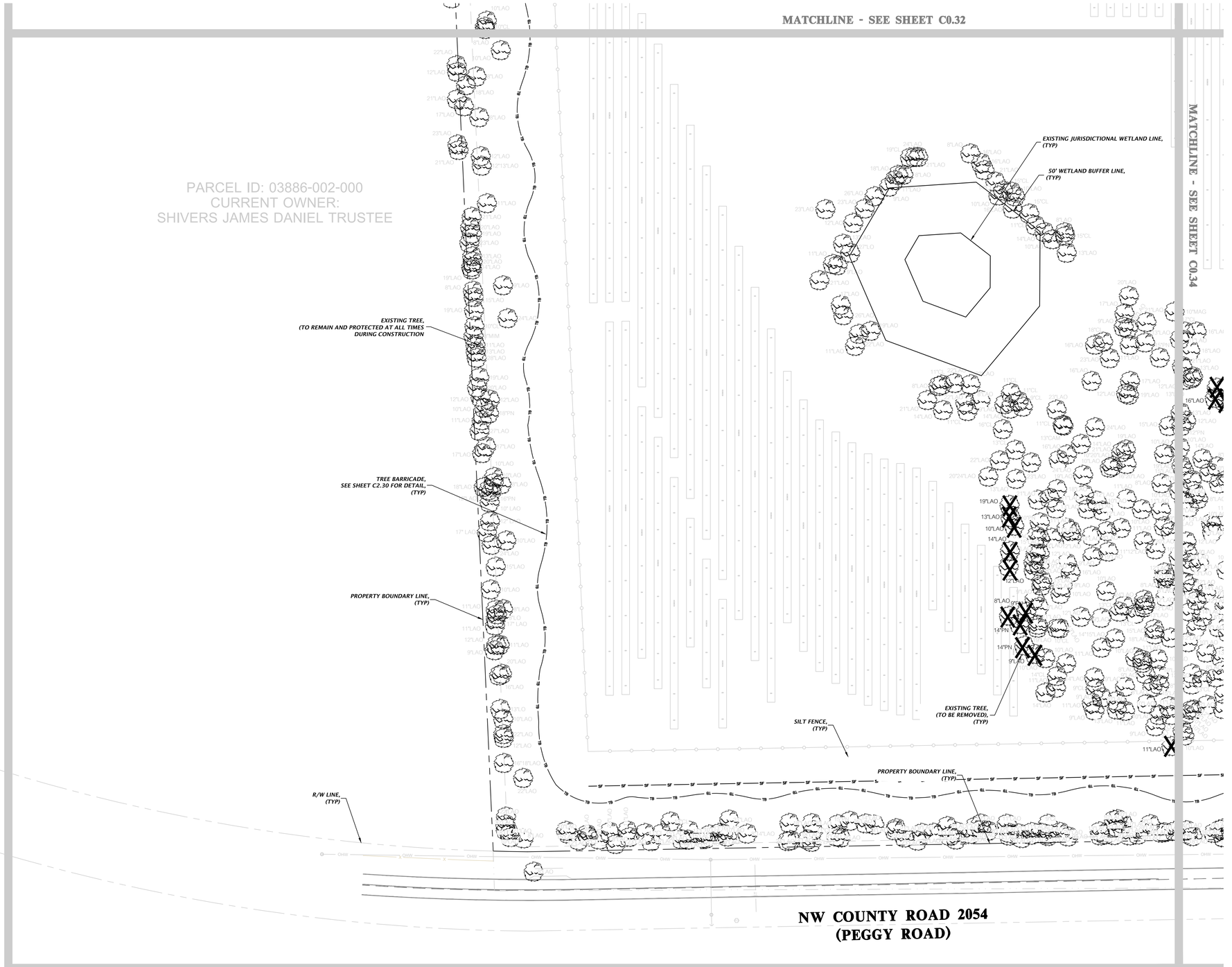
NOTE:

1. ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.

LEGEND

—— TB ——	TREE BARRICADE
—— SF ——	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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SCALE: 1"=50'

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CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER May 21 2024

FL PE No. 84295

SHEET NO.: C0.31

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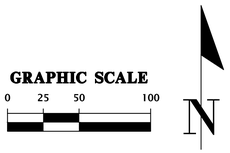

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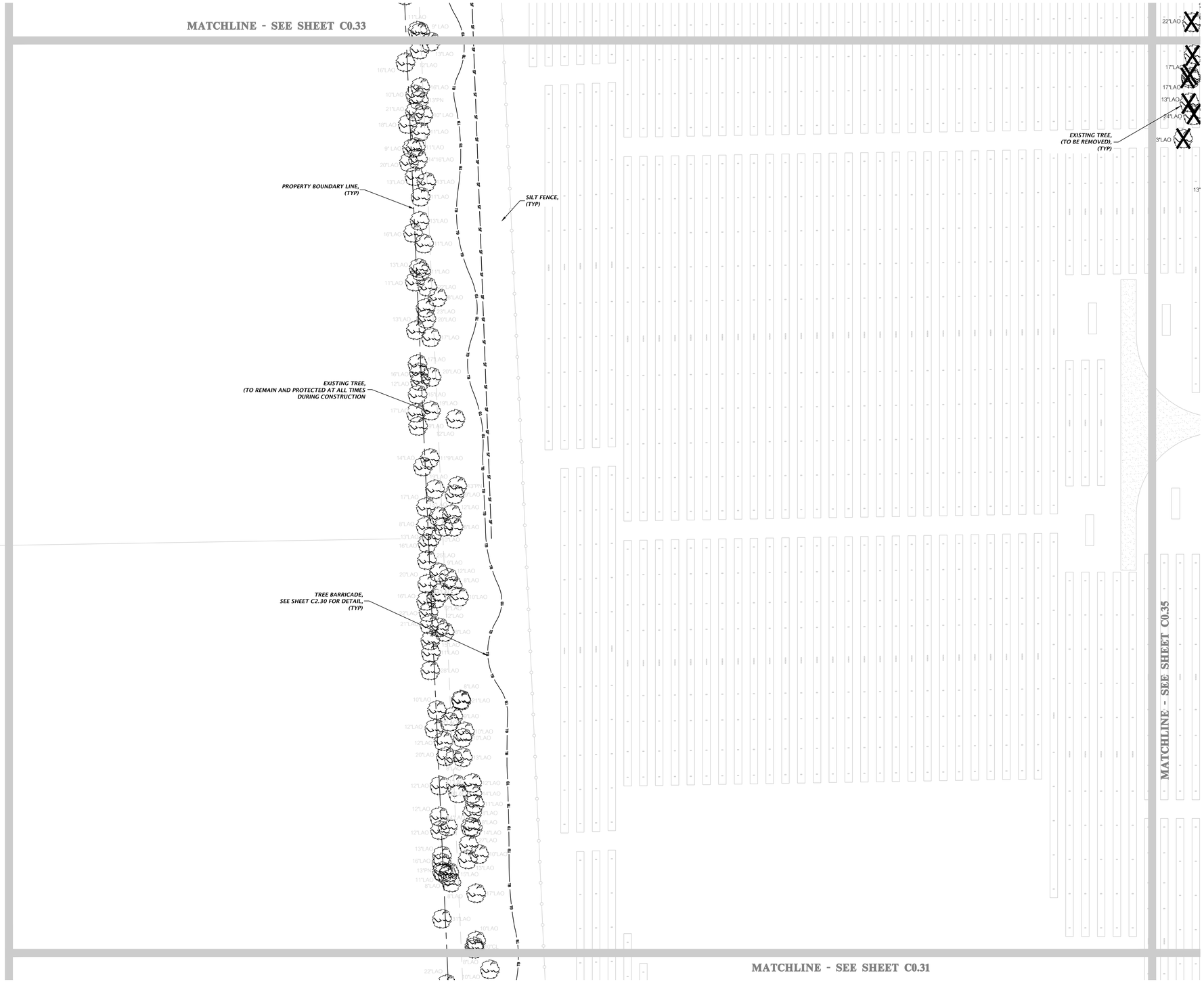

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QUALITY CONTROL: T. HASTAY
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TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C0.32

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GRAPHIC SCALE

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N

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LEGEND

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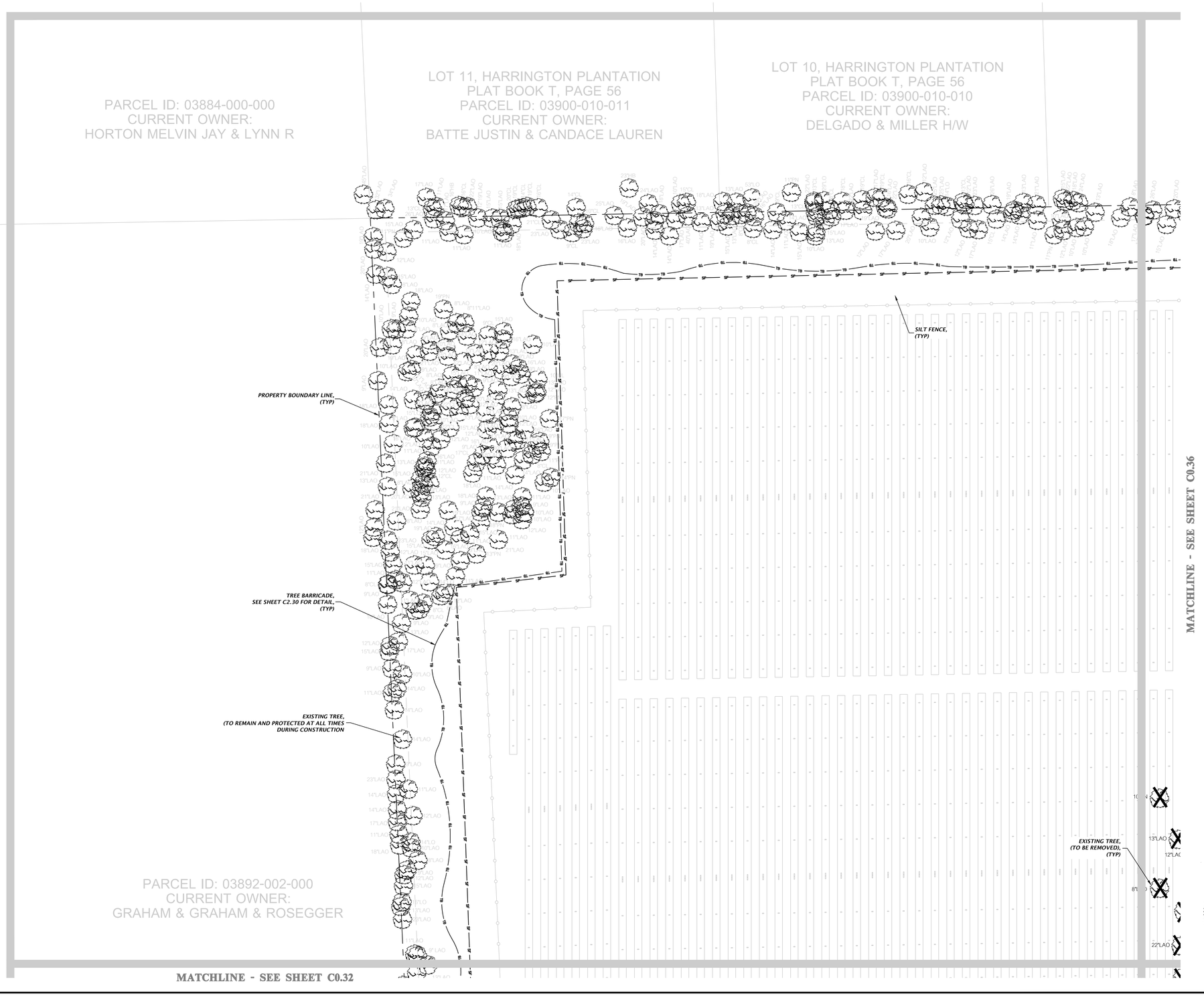

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TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C0.33

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GRAPHIC SCALE

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N

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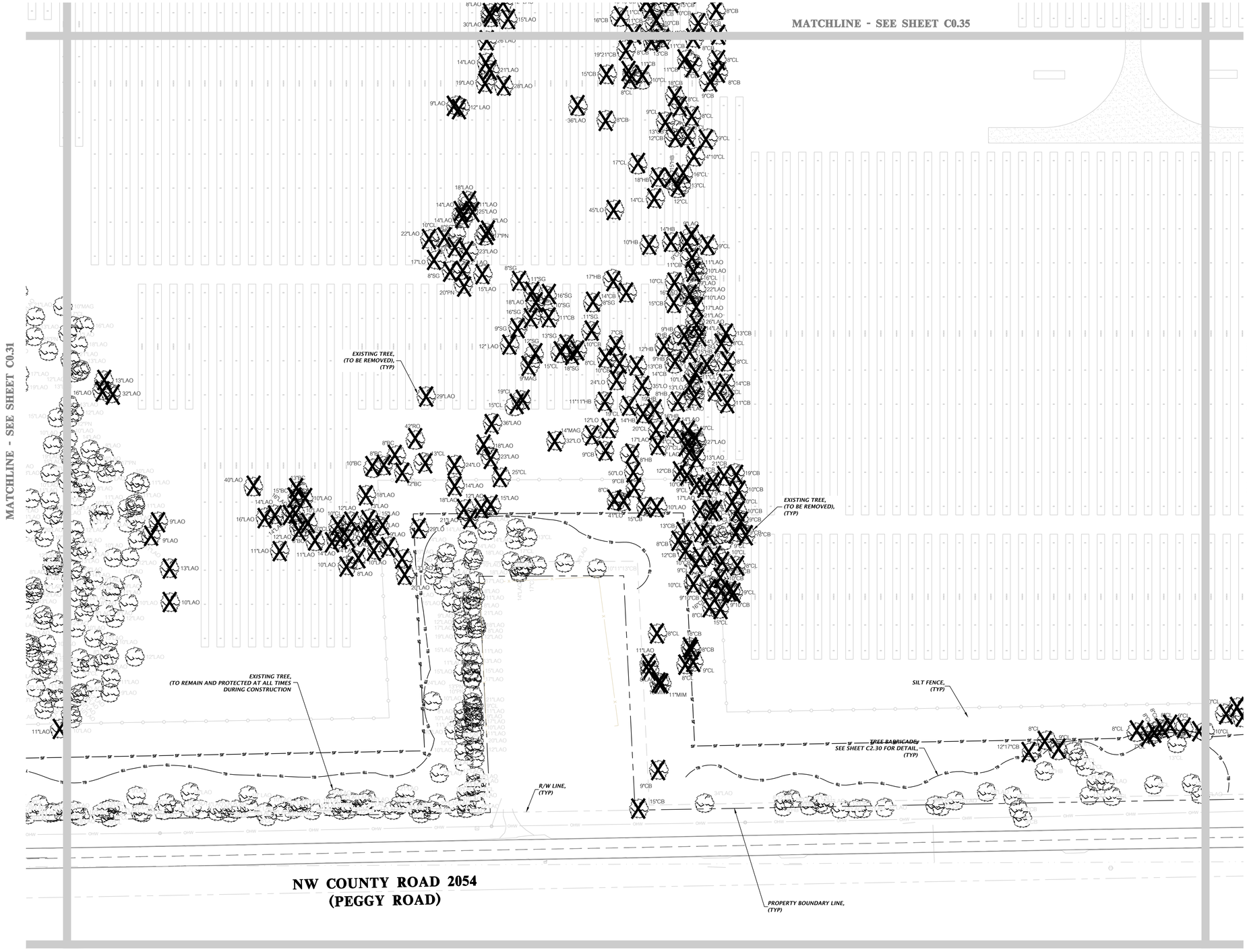

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CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C0.34

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GRAPHIC SCALE

0 25 50 100

N

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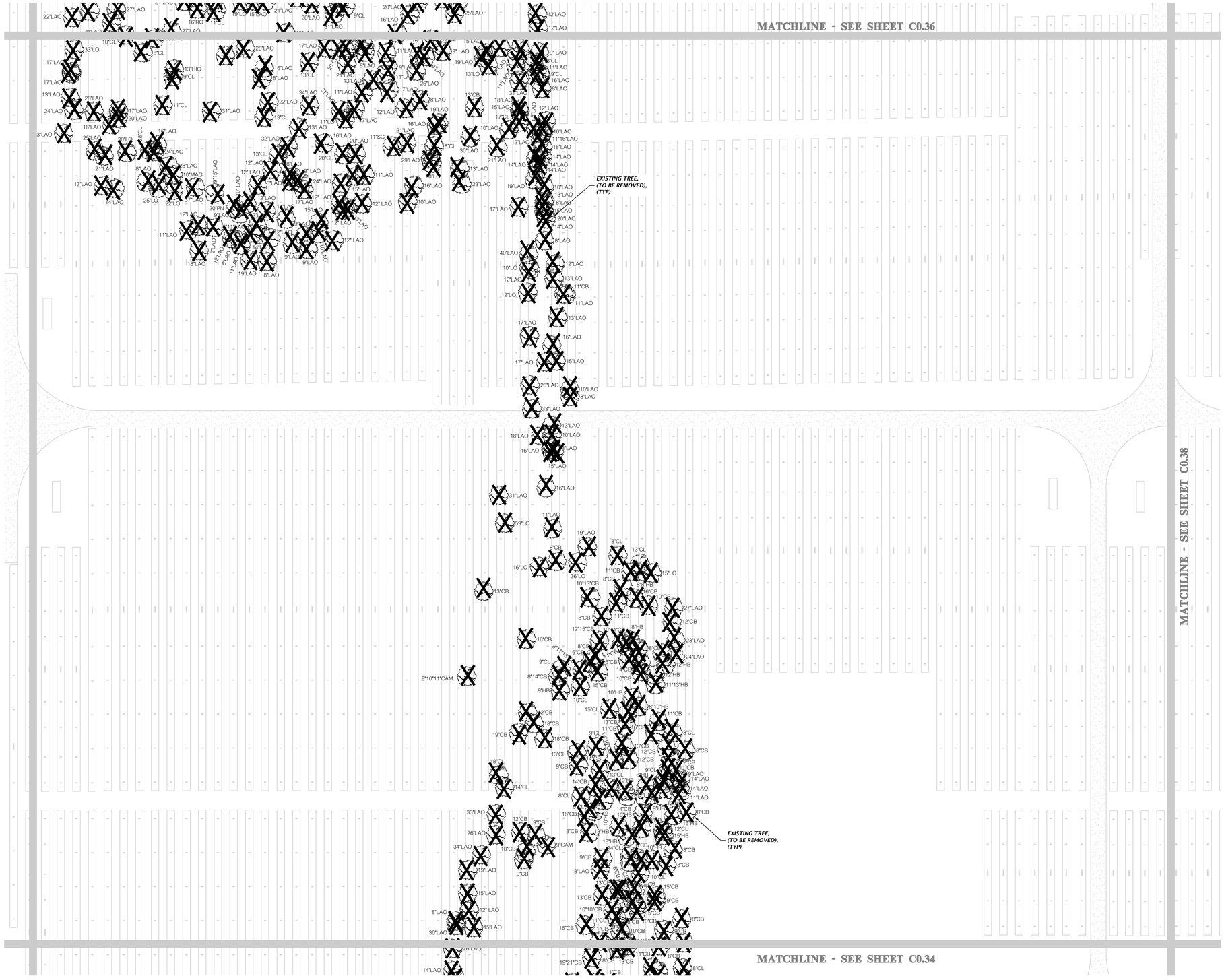
—SF—	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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0 1"
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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C0.35

Tech: nicolac Plot Date: Apr 29,2024 12:17pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

A

B

C

D

GRAPHIC SCALE

0 25 50 100

N

NOTE:

1. *ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.*

LEGEND

TB — *TREE BARRICADE*

SF — *SILT FENCE*

X *EXISTING TREE (TO BE REMOVED)*

LOTS 8 & 9, HARRINGTON PLANTATION
PLAT BOOK T, PAGE 56
PARCEL ID: 03900-010-009
CURRENT OWNER:
DELGADO & MILLER H/W

LOT 7, HARRINGTON PLANTATION
PLAT BOOK T, PAGE 56
PARCEL ID: 03900-010-007
CURRENT OWNER:
HARRINGTON JAMES T III

LOT 6, HARRINGTON PLANTATION
PLAT BOOK T, PAGE 56
PARCEL ID: 03900-010-006
CURRENT OWNER:
HARRINGTON JAMES T III

EXISTING TREE, (TO REMAIN AND PROTECTED AT ALL TIMES DURING CONSTRUCTION

PROPERTY BOUNDARY LINE, (TYP)

TREE BARRICADE, SEE SHEET C2.30 FOR DETAIL, (TYP)

SILT FENCE, (TYP)

EXISTING TREE, (TO BE REMOVED), (TYP)

MATCHLINE - SEE SHEET C0.33

MATCHLINE - SEE SHEET C0.37

MATCHLINE - SEE SHEET C0.35

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0 1"

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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CONSTRUCTION/BID REVISIONS:

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

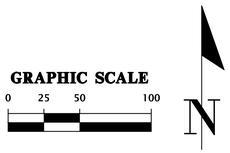
TECHNICIAN: J. THOMAS
DESIGNER: M. CHAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C0.36

Tech: rkloske Plot Date: Apr 29,2024 - 12:25pm Filename: H:\2021\21-0275\Department\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

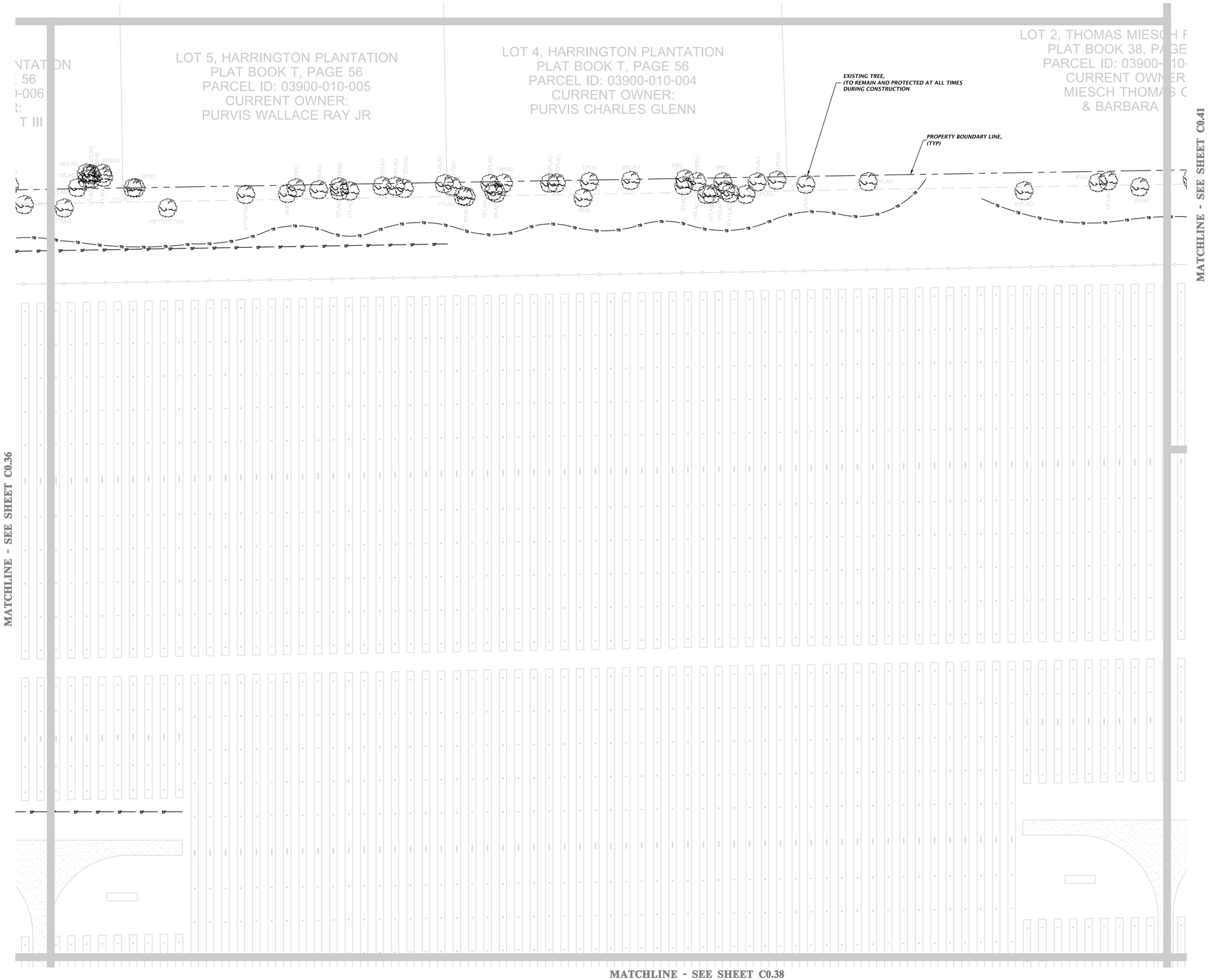


NOTE:

1. ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.

LEGEND

TB	TREE BARRICADE
SF	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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CONSTRUCTION/BID REVISIONS:

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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY
LICENSE
No. 84295
May 21 2024
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C0.37

Tech: nicolac Plot Date: Apr 29,2024 12:24pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

GRAPHIC SCALE

0 25 50 100

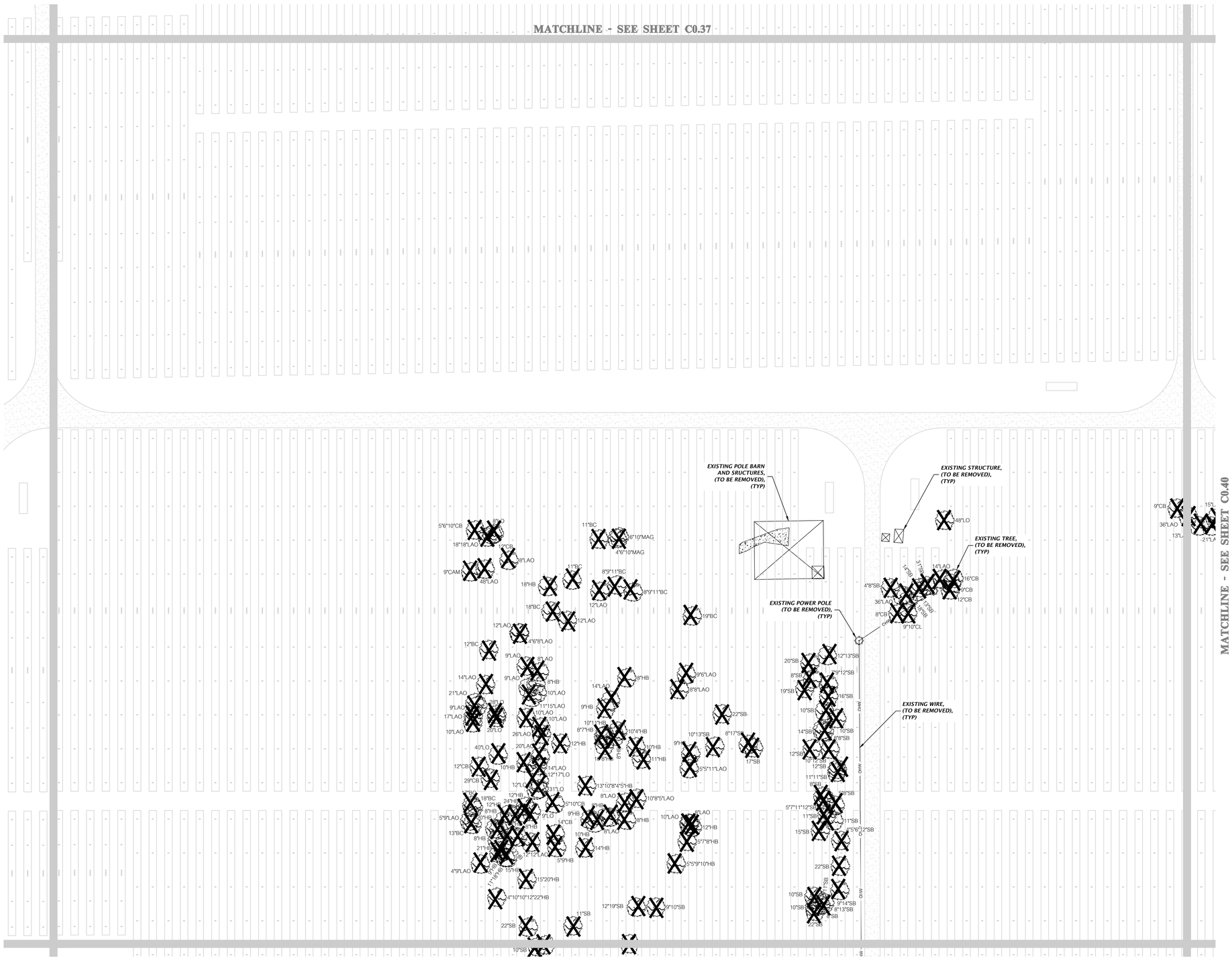
N

NOTE:

1. ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.

LEGEND

—— TB ——	TREE BARRICADE
—— SF ——	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

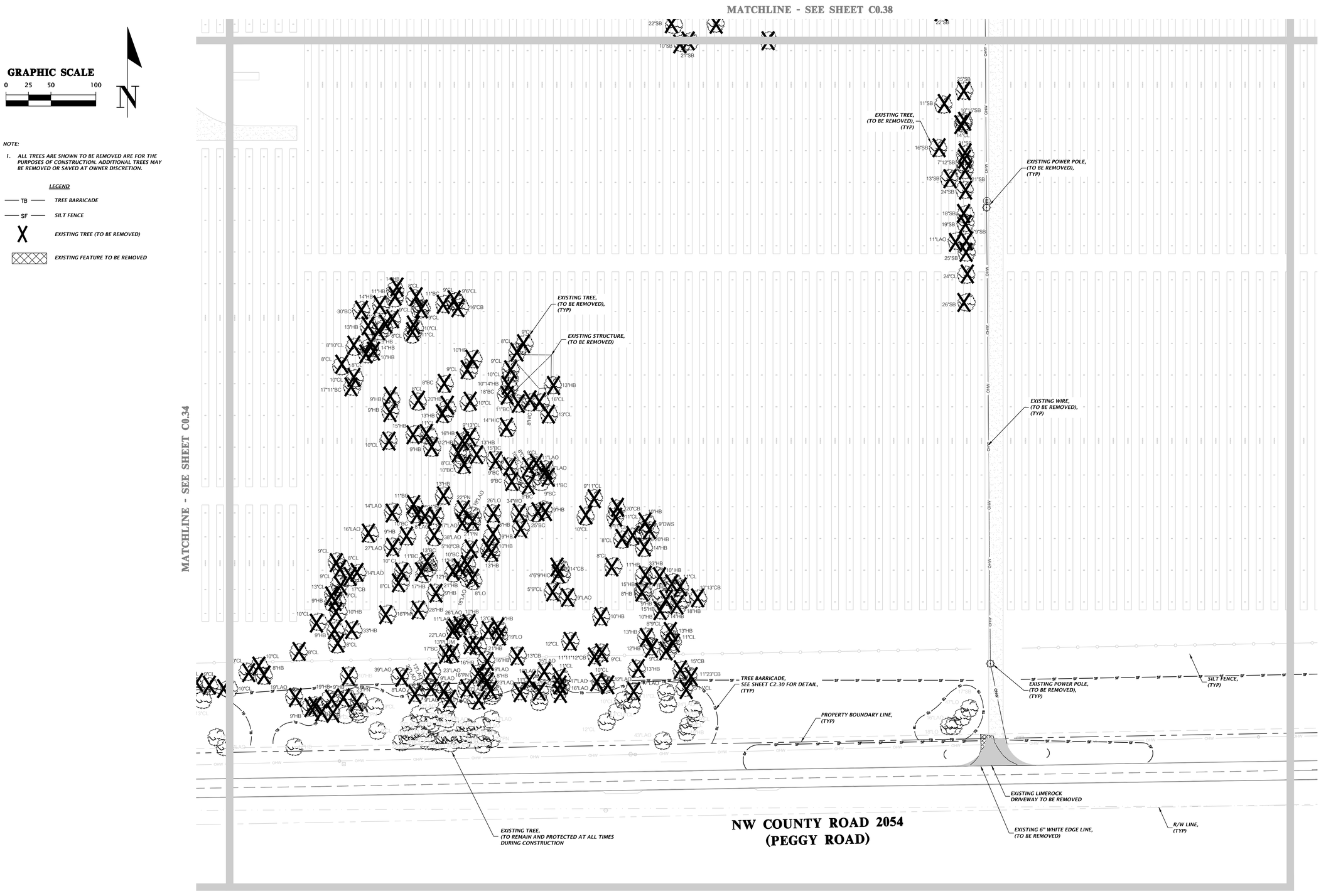
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER May 21 2024

FL PE No. 84295

SHEET NO.: C0.38

Tech: nicolas Plot Date: Apr 29,2024 12:27pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg



NOTE:

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LEGEND

- TB — TREE BARRICADE
- SF — SILT FENCE
- X — EXISTING TREE (TO BE REMOVED)
- EXISTING FEATURE TO BE REMOVED

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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 2024

FL PE No. 84295

SHEET NO.: C0.39

Tech: nicolas Plot Date: Apr 29,2024 12:29pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

A

B

C

D

GRAPHIC SCALE

0 25 50 100

N

NOTE:

1. *ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.*

LEGEND

—— TB —— *TREE BARRICADE*

—— SF —— *SILT FENCE*

X *EXISTING TREE (TO BE REMOVED)*

MATCHLINE - SEE SHEET C0.38

MATCHLINE - SEE SHEET C0.45

EXISTING TREE, (TO BE REMOVED), (TYP)

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SCALES ACCORDINGLY

CONSTRUCTION/BID REVISIONS:

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03/07/24 CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

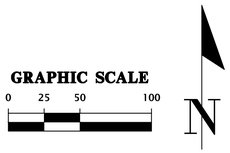
SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: K. CONAPP
QUALITY CONTROL: T. HASTAY
PROJECT MANAGER: TRAVIS J. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY LICENSE * No. 84295 * STATE OF FLORIDA * PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.: C0.40

Tech: nbolton Plot Date: Apr 29,2024 - 12:30pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_03-3b_Tree Canopy Retention.dwg



NOTE:

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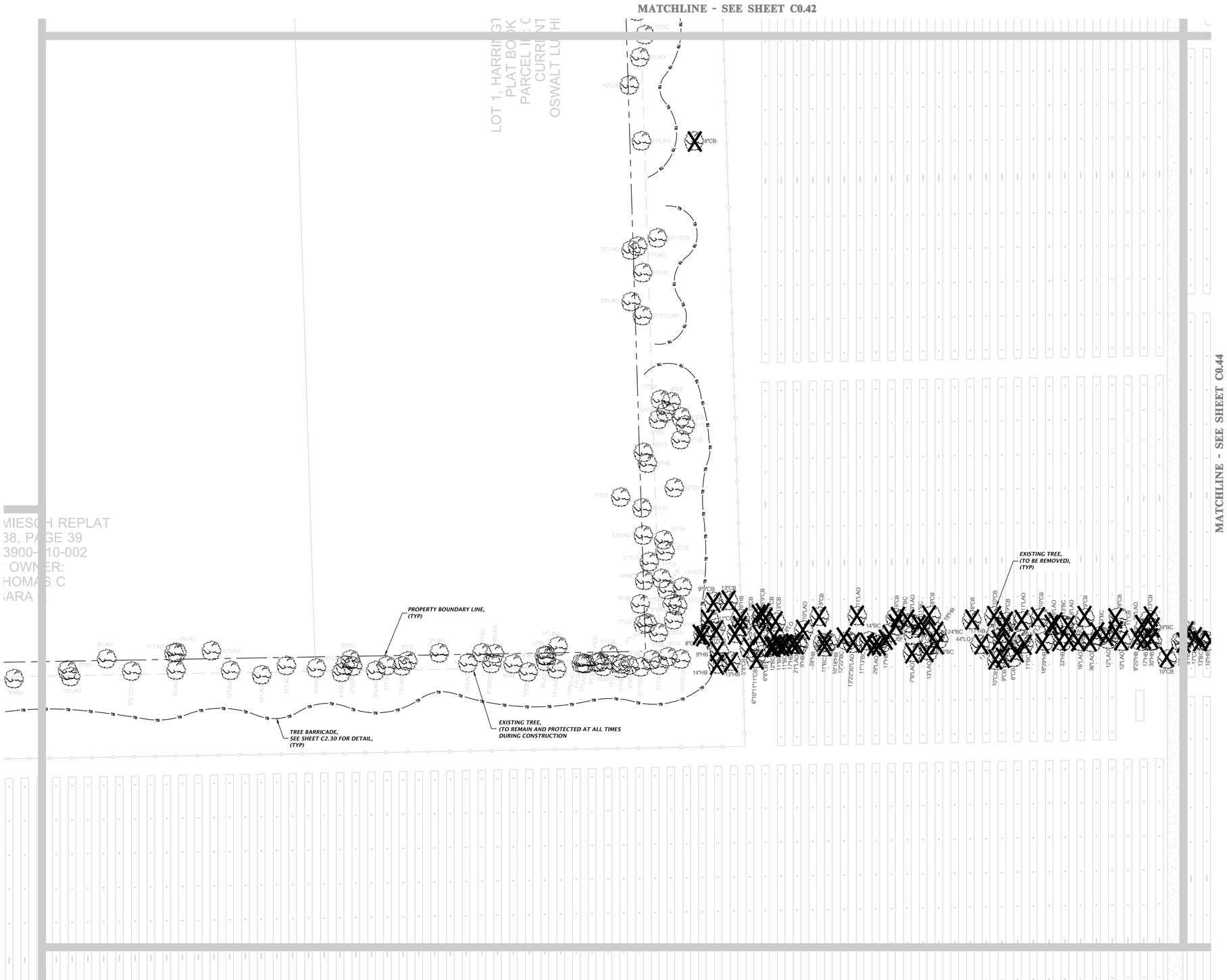
LEGEND

—— TB ——	TREE BARRICADE
—— SF ——	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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SUBMITTALS:
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09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY
LICENSE
No. 84295
May 21 2024
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C0.41

Tech: nlcolac Plot Date: Apr 29,2024 12:31pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

GRAPHIC SCALE

0 25 50 100

N

NOTE:

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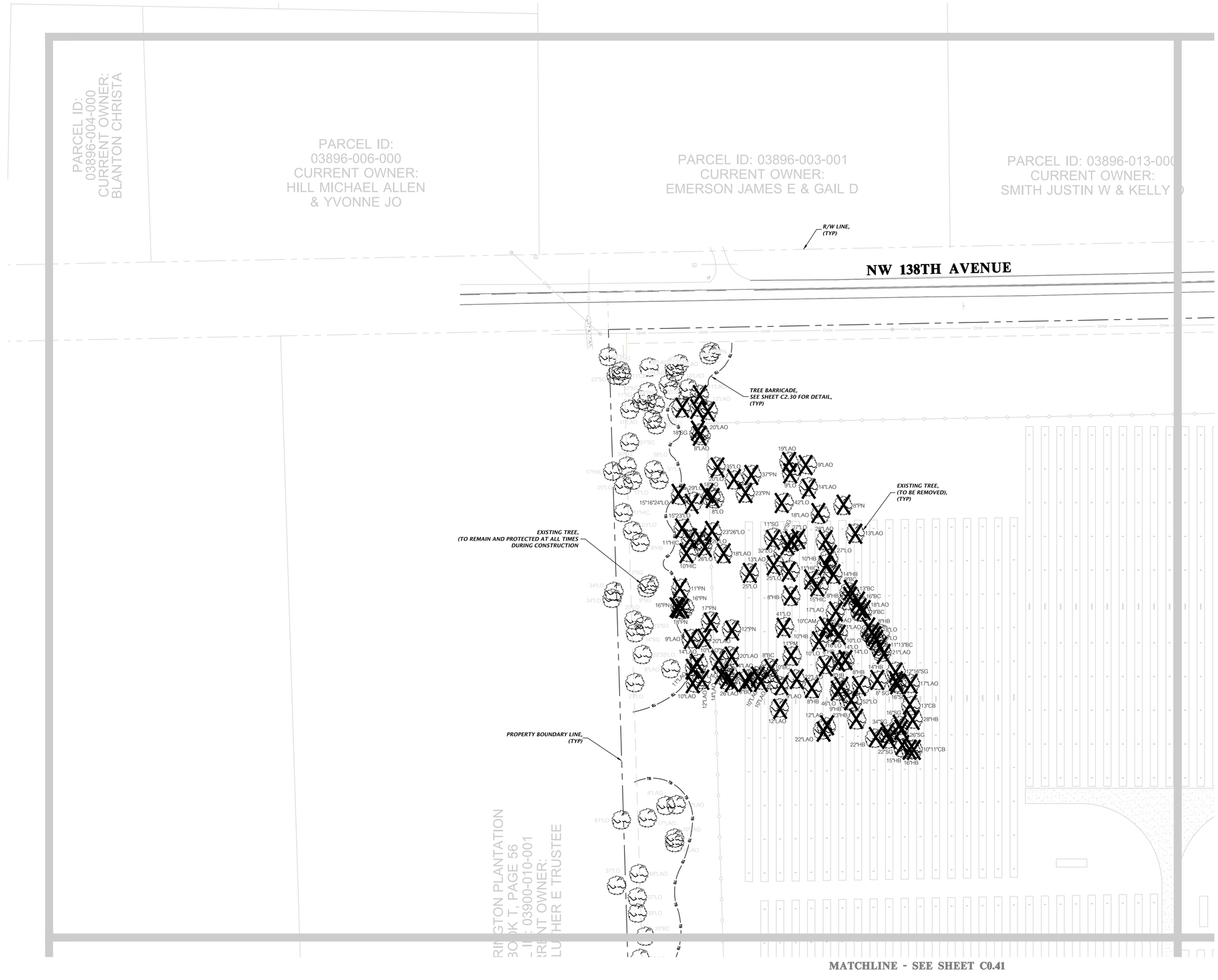
LEGEND

—— TB ——	TREE BARRICADE
—— SF ——	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

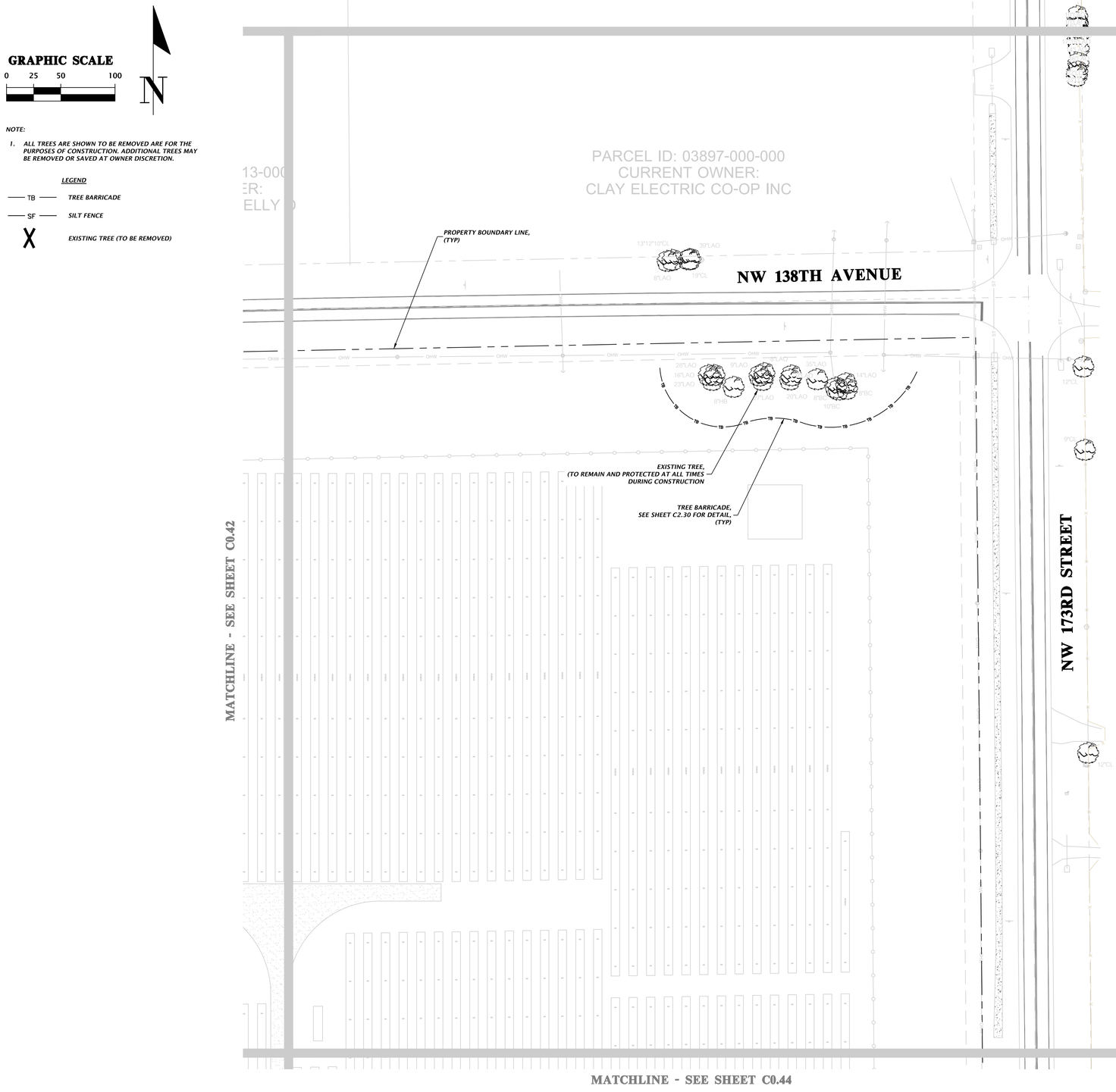
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C0.42

Tech: nicolac Plot Date: Apr 29,2024 1:58pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg



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LEGEND

—— TB ——	TREE BARRICADE
—— SF ——	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)

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CONSTRUCTION/BID REVISIONS:

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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C0.43

Tech: nicolas Plot Date: Apr 29,2024 12:35pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

GRAPHIC SCALE

0 25 50 100

N

NOTE:

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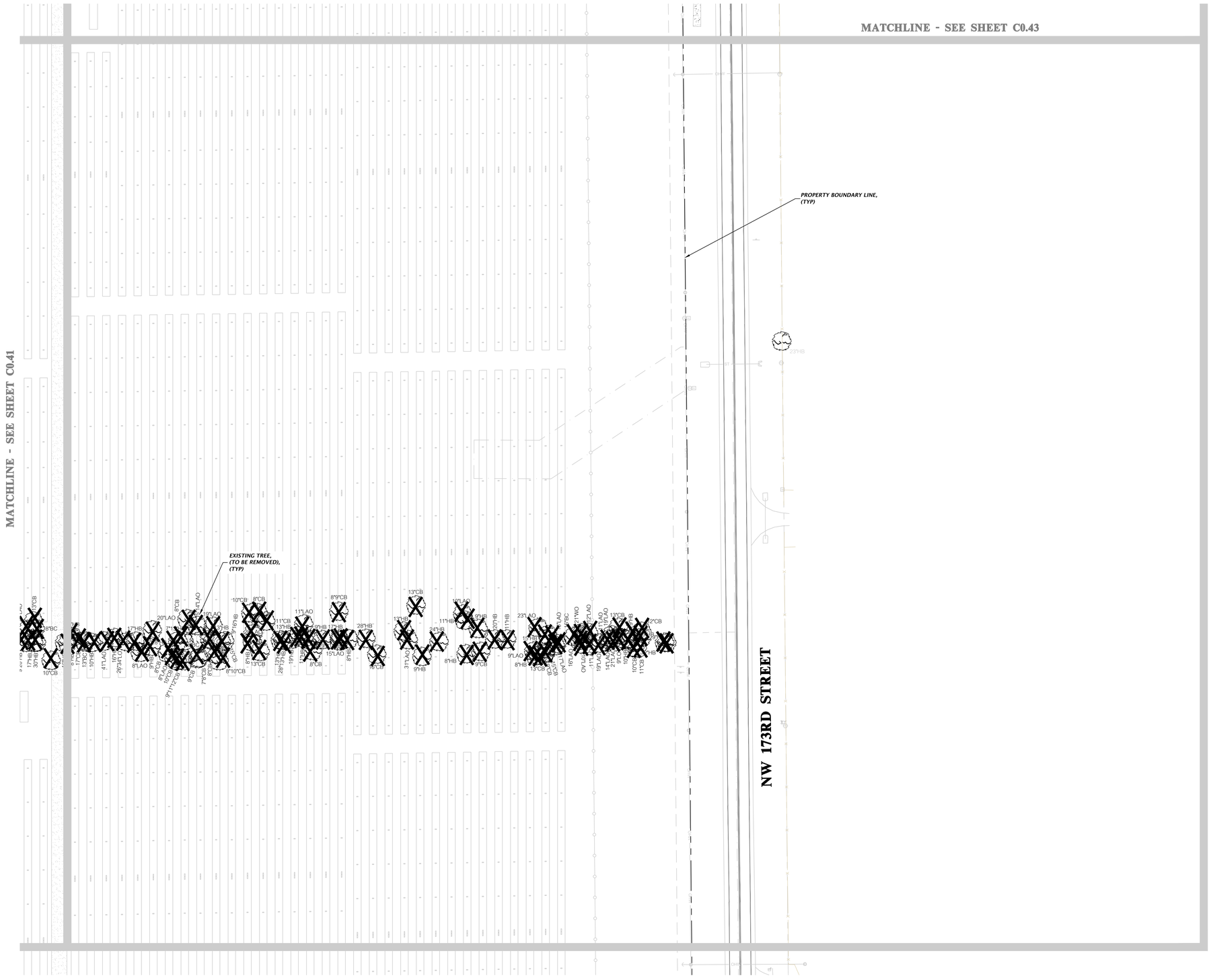
LEGEND

—— TB ——	*TREE BARRICADE*
—— SF ——	*SILT FENCE*
X	*EXISTING TREE (TO BE REMOVED)*



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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C0.44

Tech: nicolac Plot Date: Apr 29,2024 12:34pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

GRAPHIC SCALE

0 25 50 100

N

NOTE:

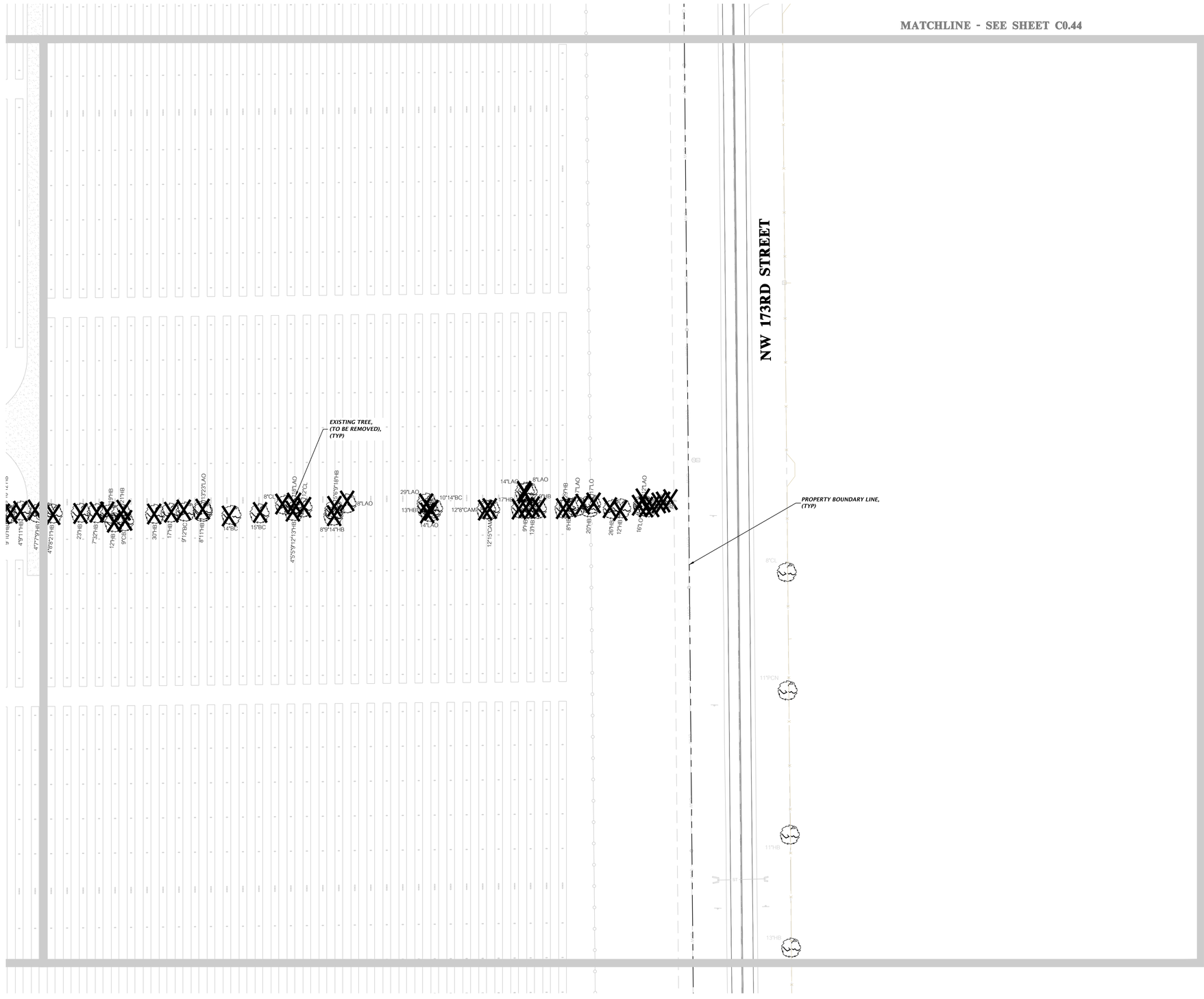
1. *ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.*

LEGEND

TB — *TREE BARRICADE*

SF — *SILT FENCE*

X *EXISTING TREE (TO BE REMOVED)*



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SCALES ACCORDINGLY.

SUBMITTALS:	CONSTRUCTION/BID
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09/01/23 - CITY OF ALACHUA AND SRWMD	
12/21/23 - CITY OF ALACHUA	
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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY	

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

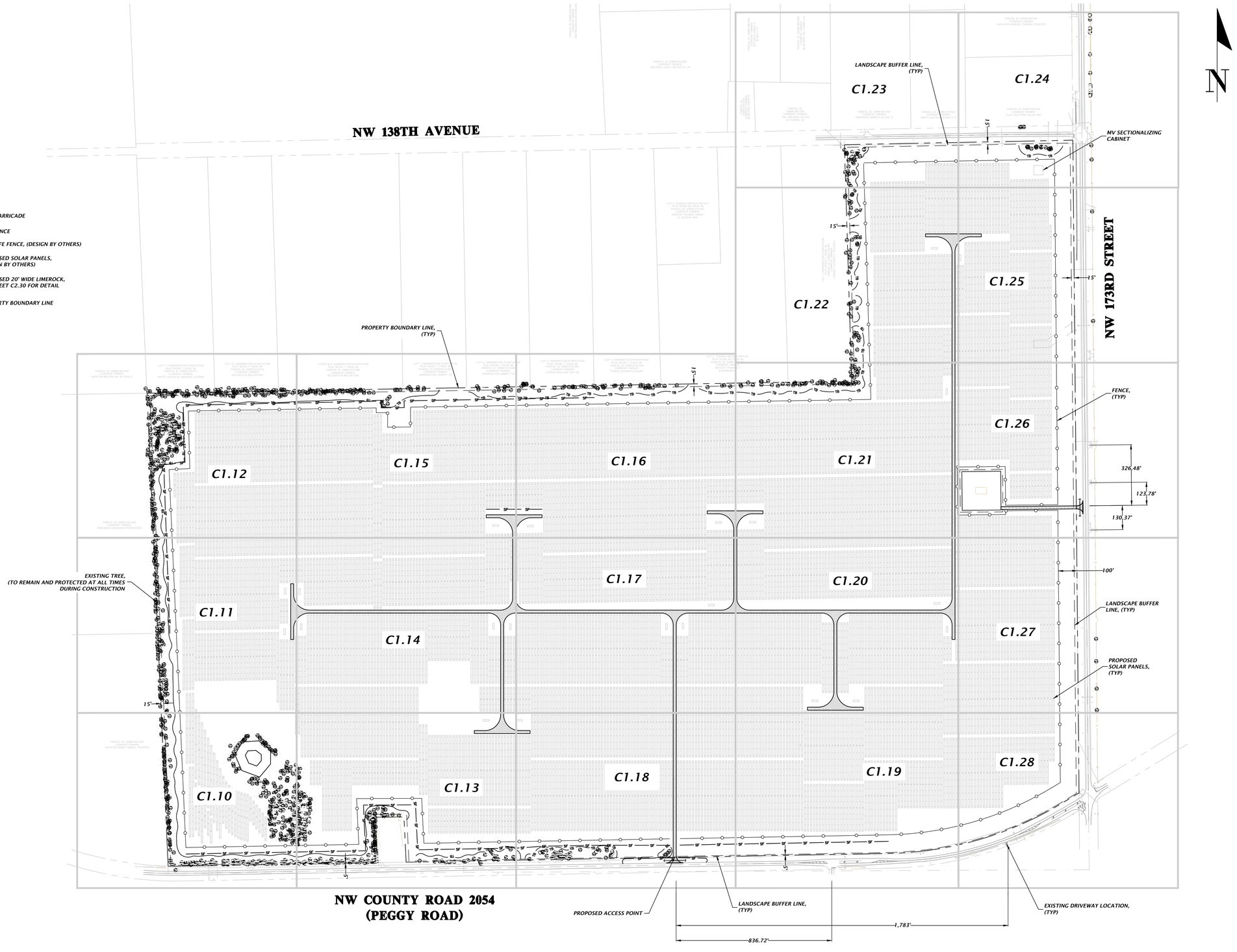
SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: M. CHAPP
QA/QC CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
License No. 84295
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C0.45

Tech: rkistler Plot Date: Apr 29,2024 - 12:56pm Filename: W:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.50_Tree Canopy Retention.dwg



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SCALE: 1"=250'
VERIFY SCALE BAR IS ACCURATE ON PLOTTED SET. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

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SUBMITTALS:
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03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: MASTER SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. CHAPP
PROJECT CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO: C1.00

Tech: nicolas Plot Date: Apr 29,2024 - 12:42pm FileName: N:\2021\21-0275\Departments\04_Engineering\03_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg

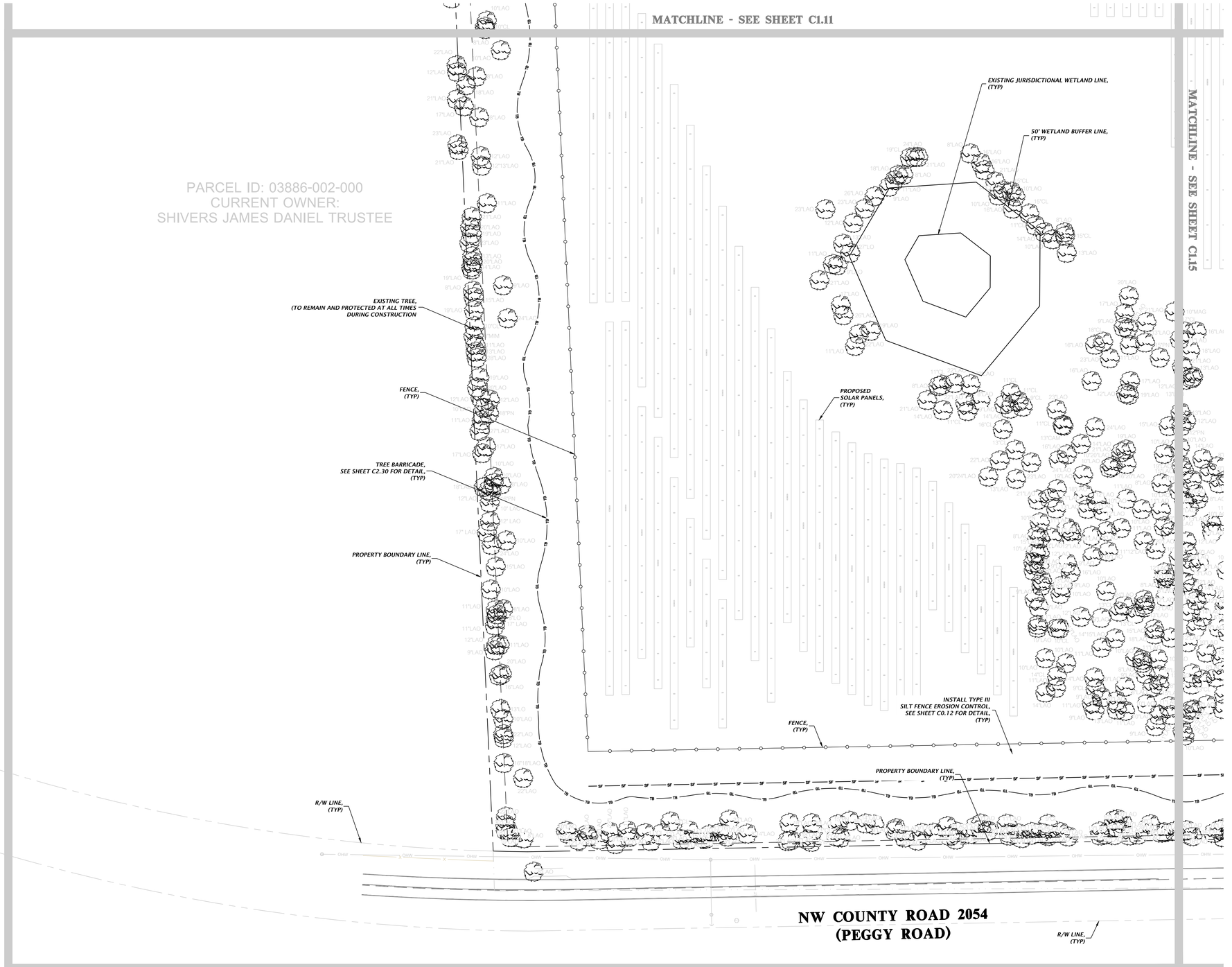
GRAPHIC SCALE

0 25 50 100

N

LEGEND

- TB — *TREE BARRICADE*
- SF — *SILT FENCE*
- *WILDLIFE FENCE, (DESIGN BY OTHERS)*
- *PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)*
- *PROPOSED 20' WIDE LIMEROCK, SEE SHEET C2.30 FOR DETAIL*
- *PROPERTY BOUNDARY LINE*



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SCALE: 1"=50'

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SCALES ACCORDINGLY.

0 1"

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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10/11/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

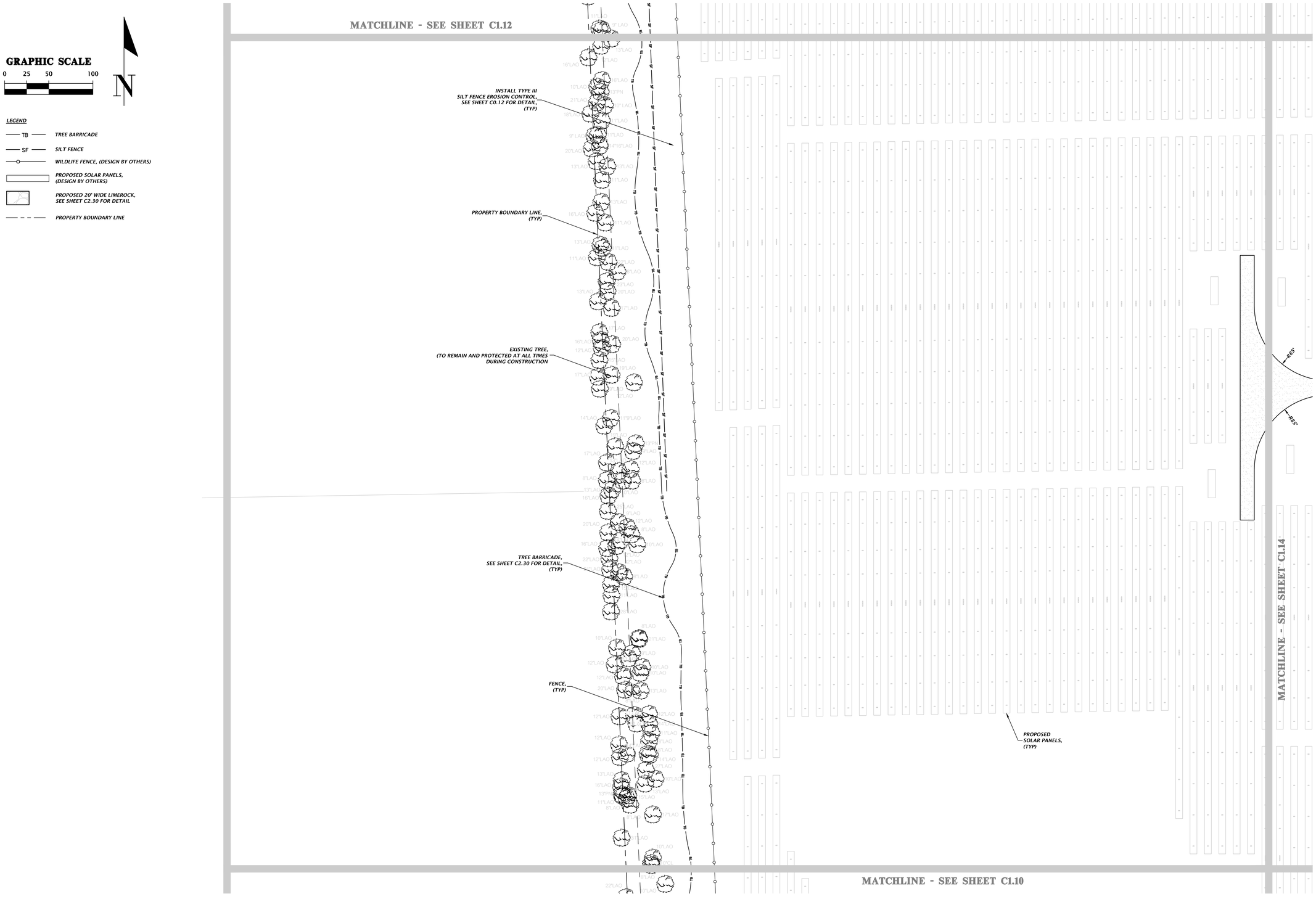
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. CROWDAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
LICENSE
No. 84295
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.
C1.10

Tech: mbobo Plot Date: Apr 29,2024 - 12:45pm Filename: H:\2021\21-0275\Department\04_Engineering\03_Civil\Production Files\21-0275_C1.00_Master Site Plan.dwg



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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C1.11

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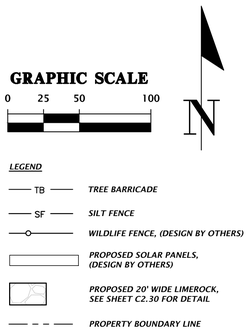

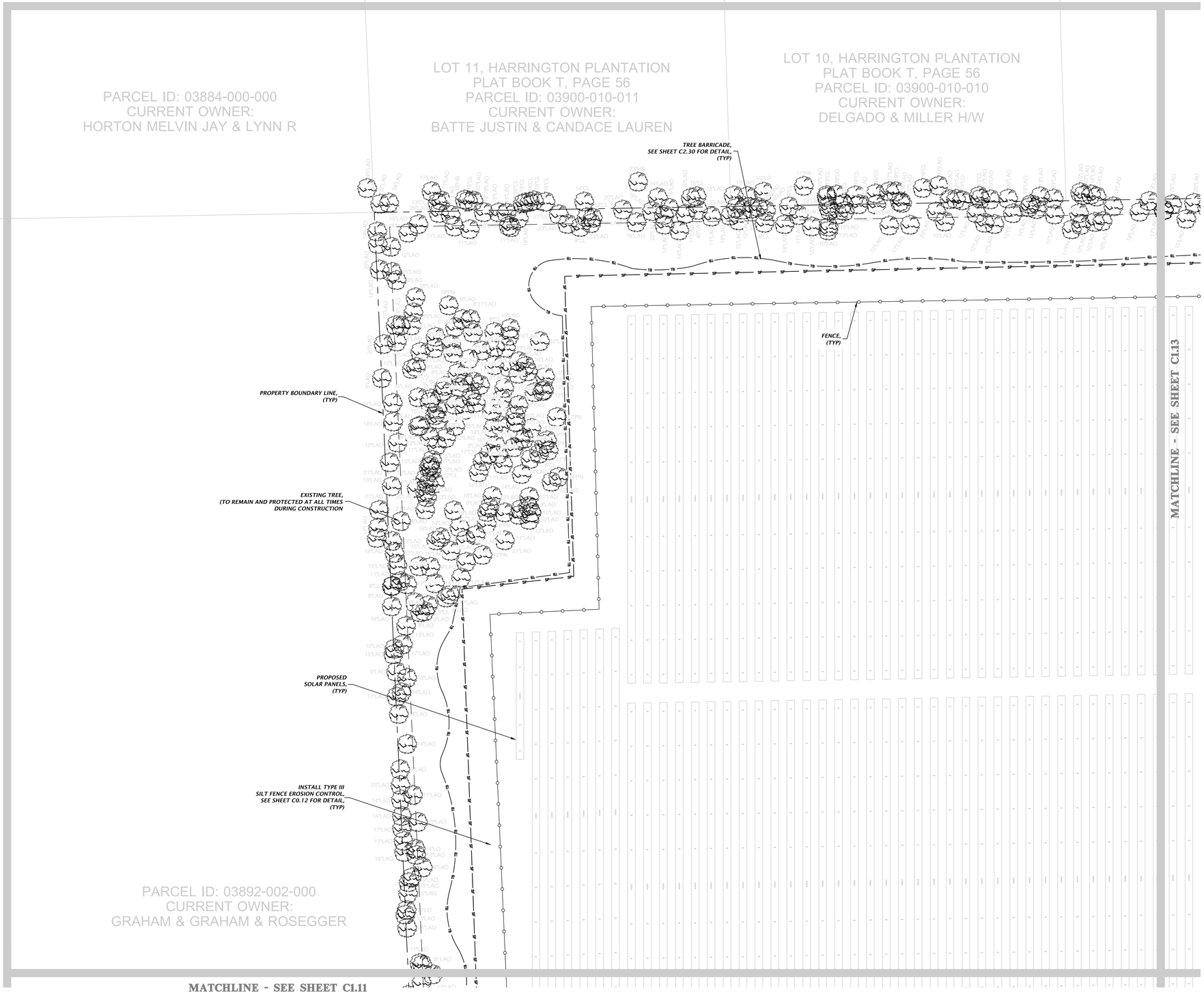

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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C1.12

Tech: nicolac Plot Date: Apr 29,2024 12:46pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg

GRAPHIC SCALE

0 25 50 100

N

LEGEND

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- *PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)*
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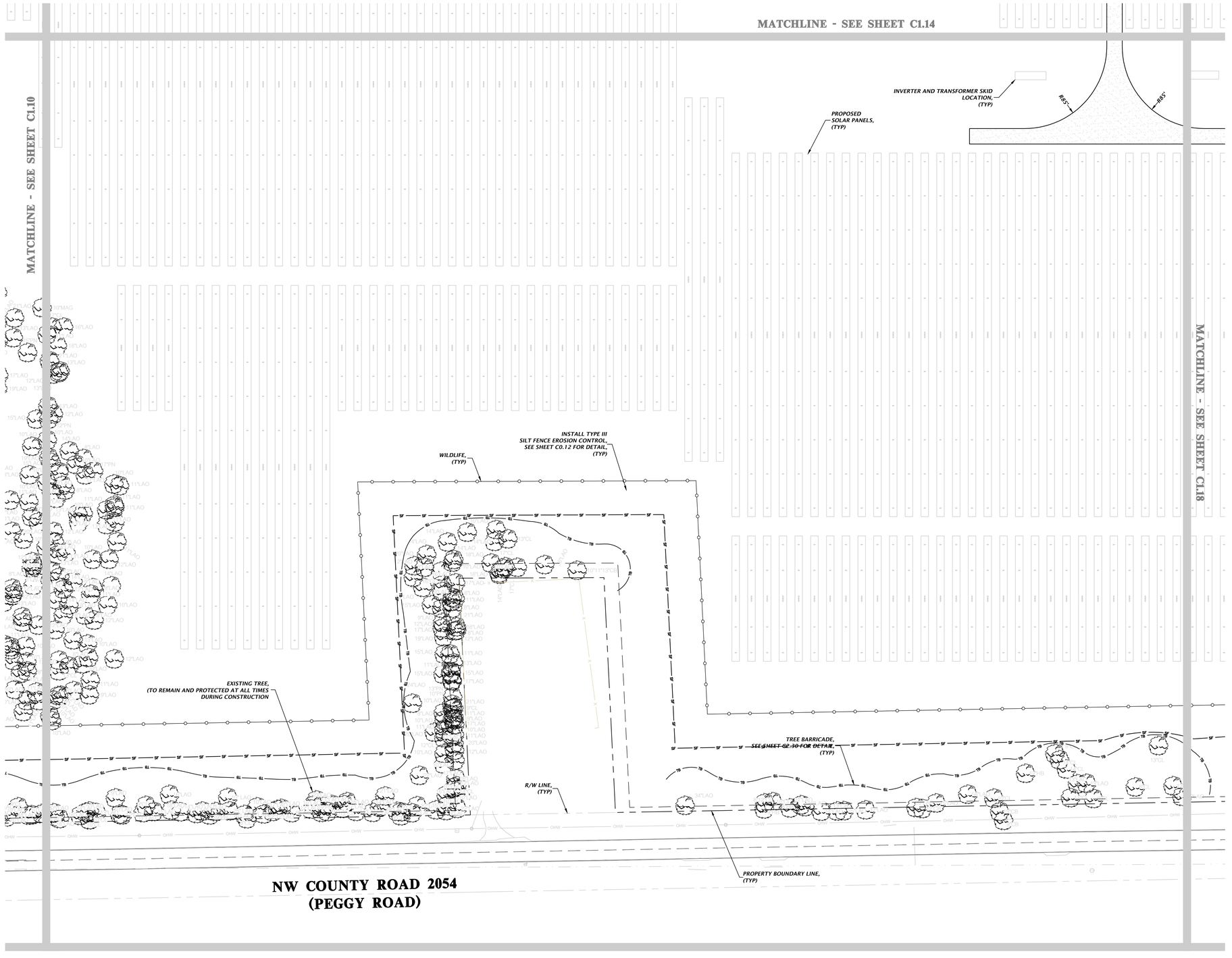

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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

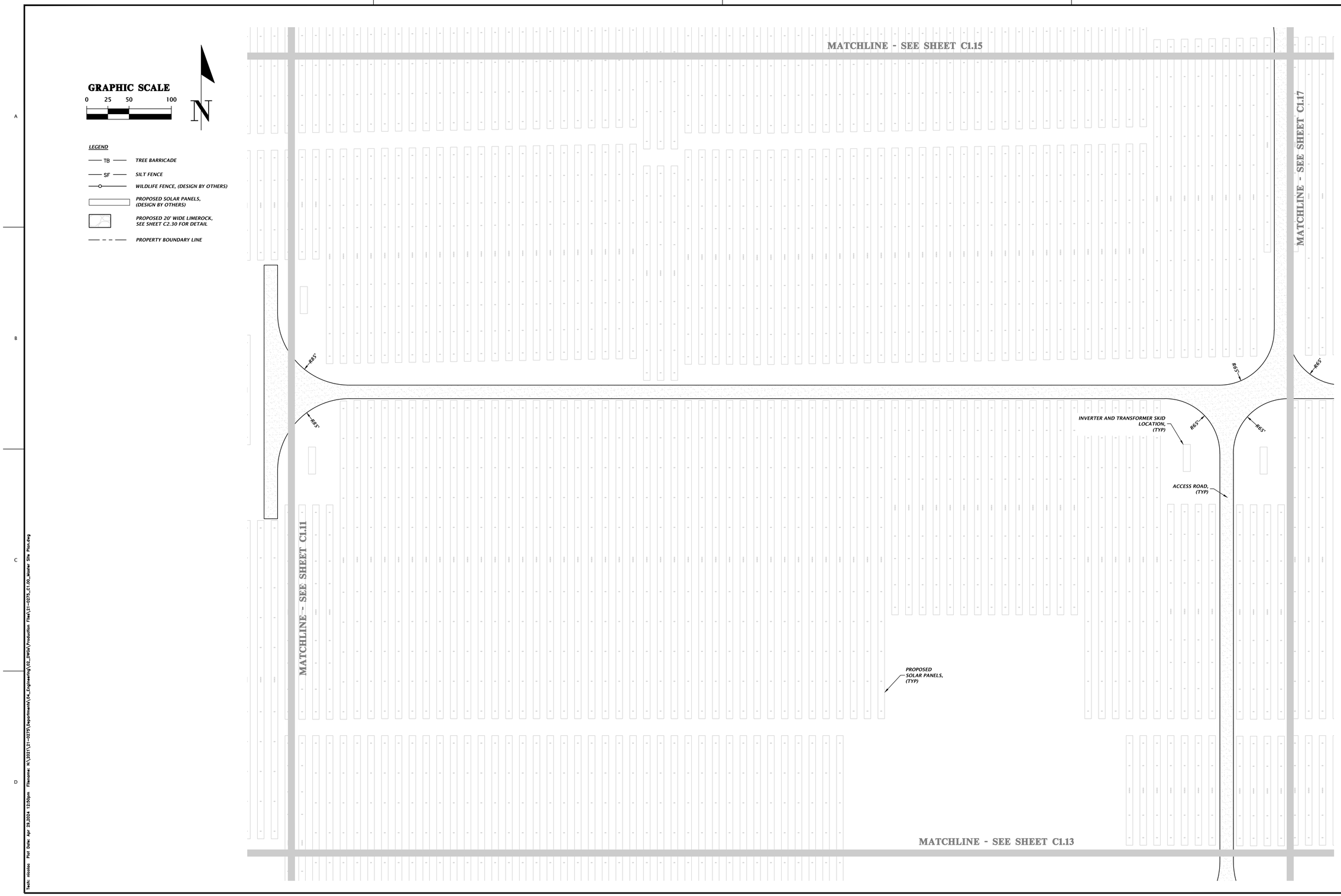
TECHNICIAN: J. THOMAS
DESIGNER: M. CONWAY
QA/QC CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.: C1.13

Tech: rkistler Plot Date: Apr 29,2024 12:49pm Filename: M:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

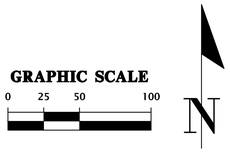
CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER
FL PE No. 84295

SHEET NO.: C1.14

Tech: nicolac Plot Date: Apr 29,2024 12:50pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



LEGEND

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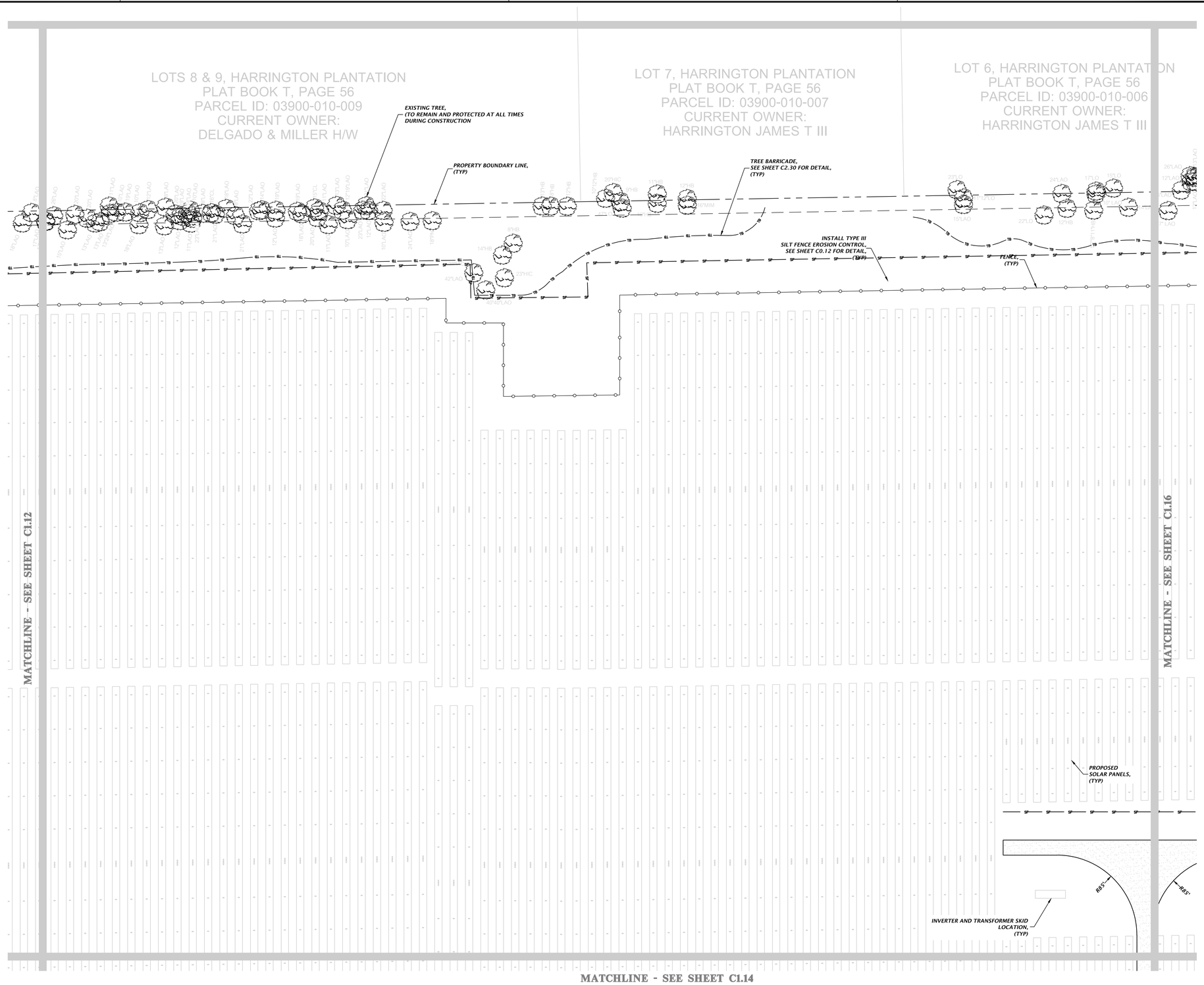
- WILDLIFE FENCE, (DESIGN BY OTHERS)
- PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)
- PROPOSED 20' WIDE LIMEROCK, SEE SHEET C2.30 FOR DETAIL
- PROPERTY BOUNDARY LINE



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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

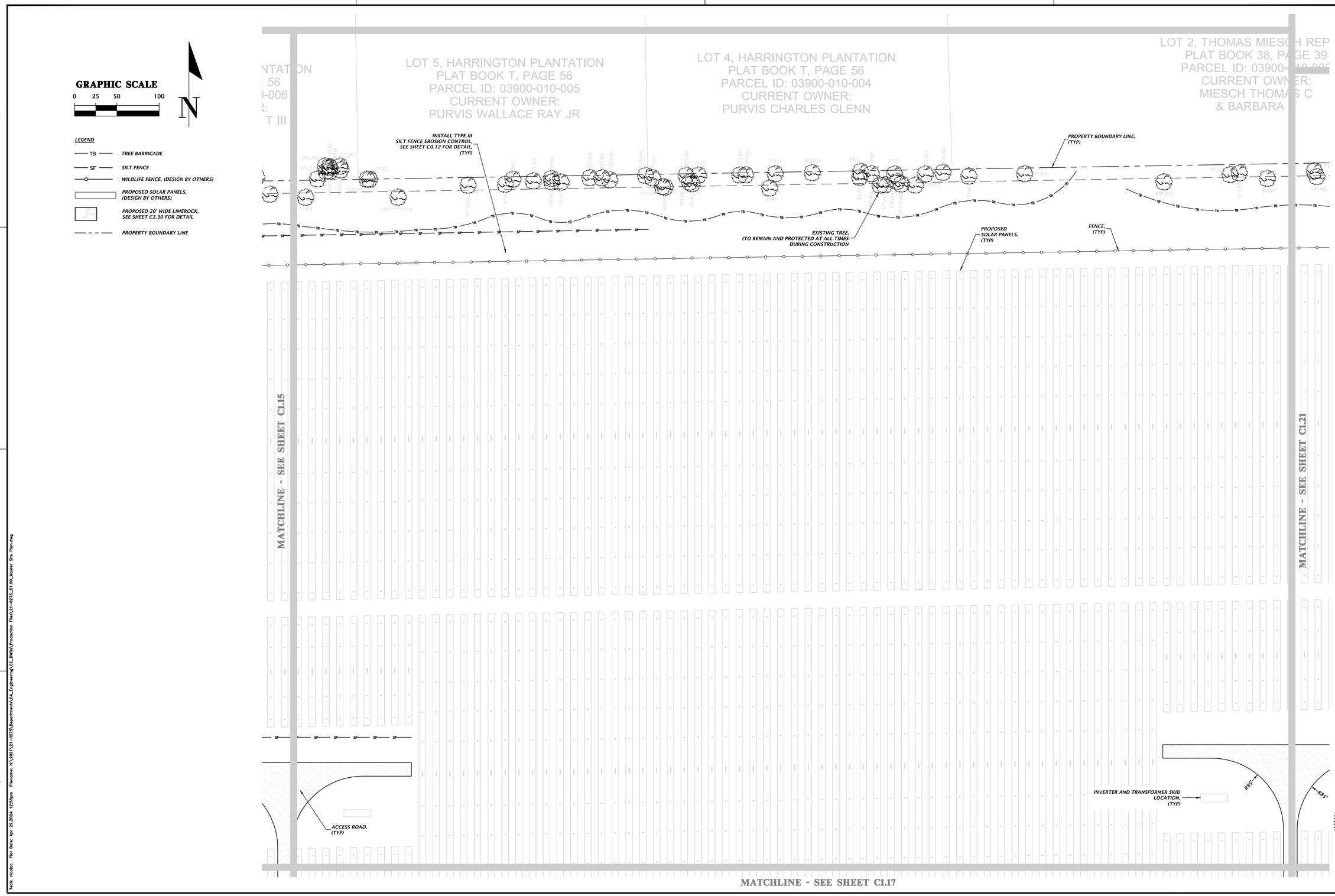
CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER
FL PE No. 84295

SHEET NO.: C1.15

Tech: nicolas Plot Date: Apr 29,2024 12:53pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

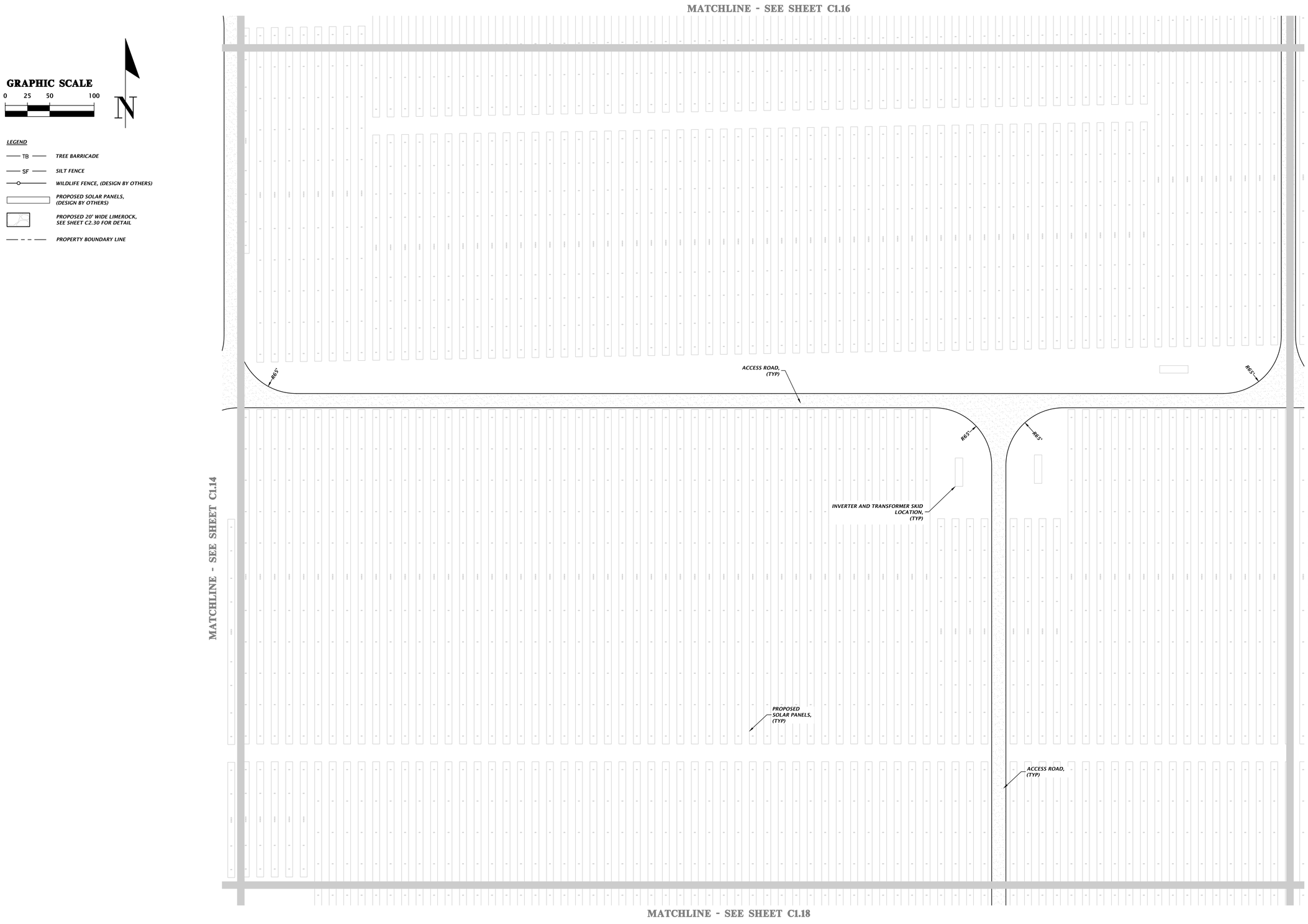
CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C1.16

Tech: nlcolac Plot Date: Apr 29,2024 12:55pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

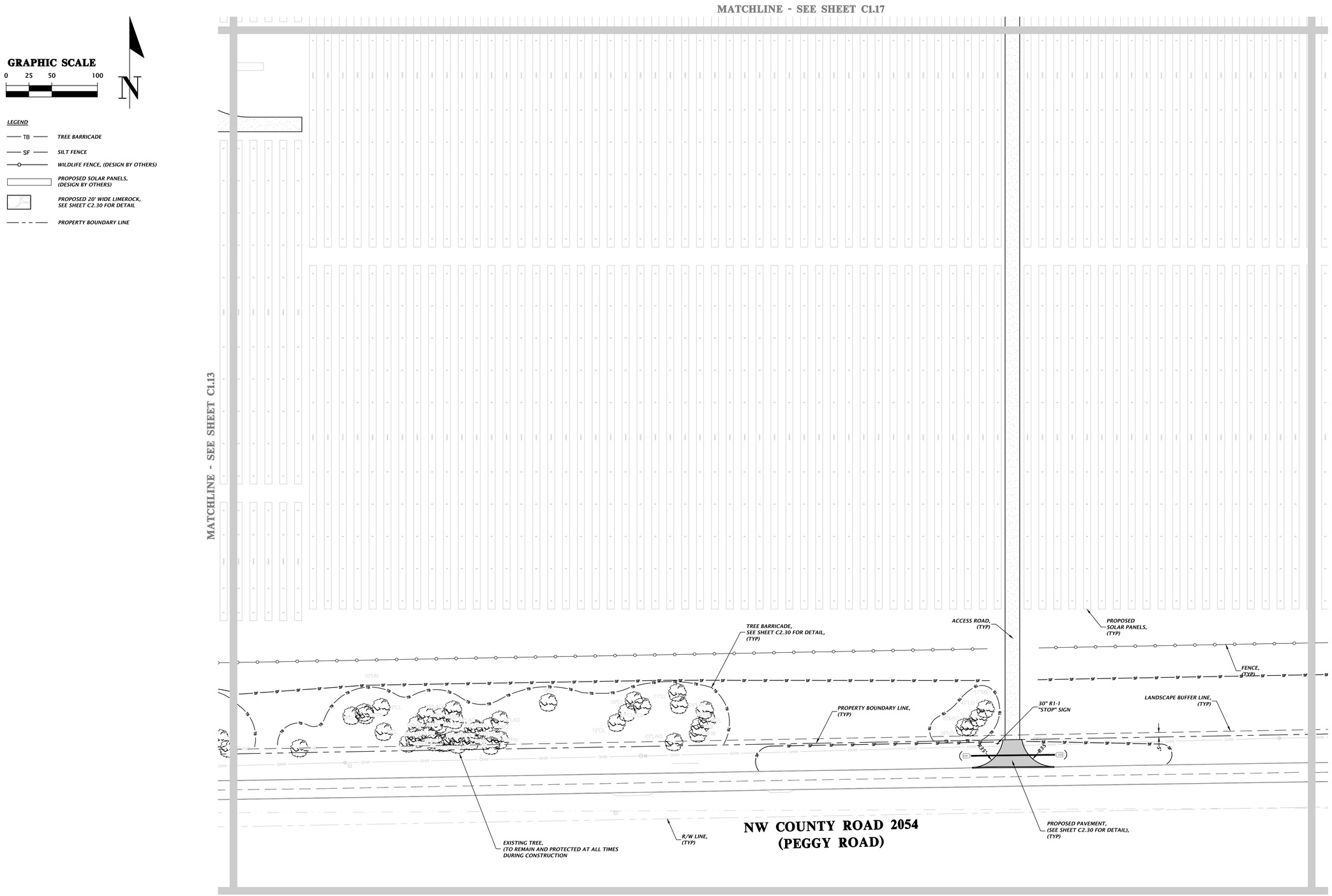
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C1.17

Tech: nicolac Plot Date: Apr 29,2024 12:56pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.: C1.18

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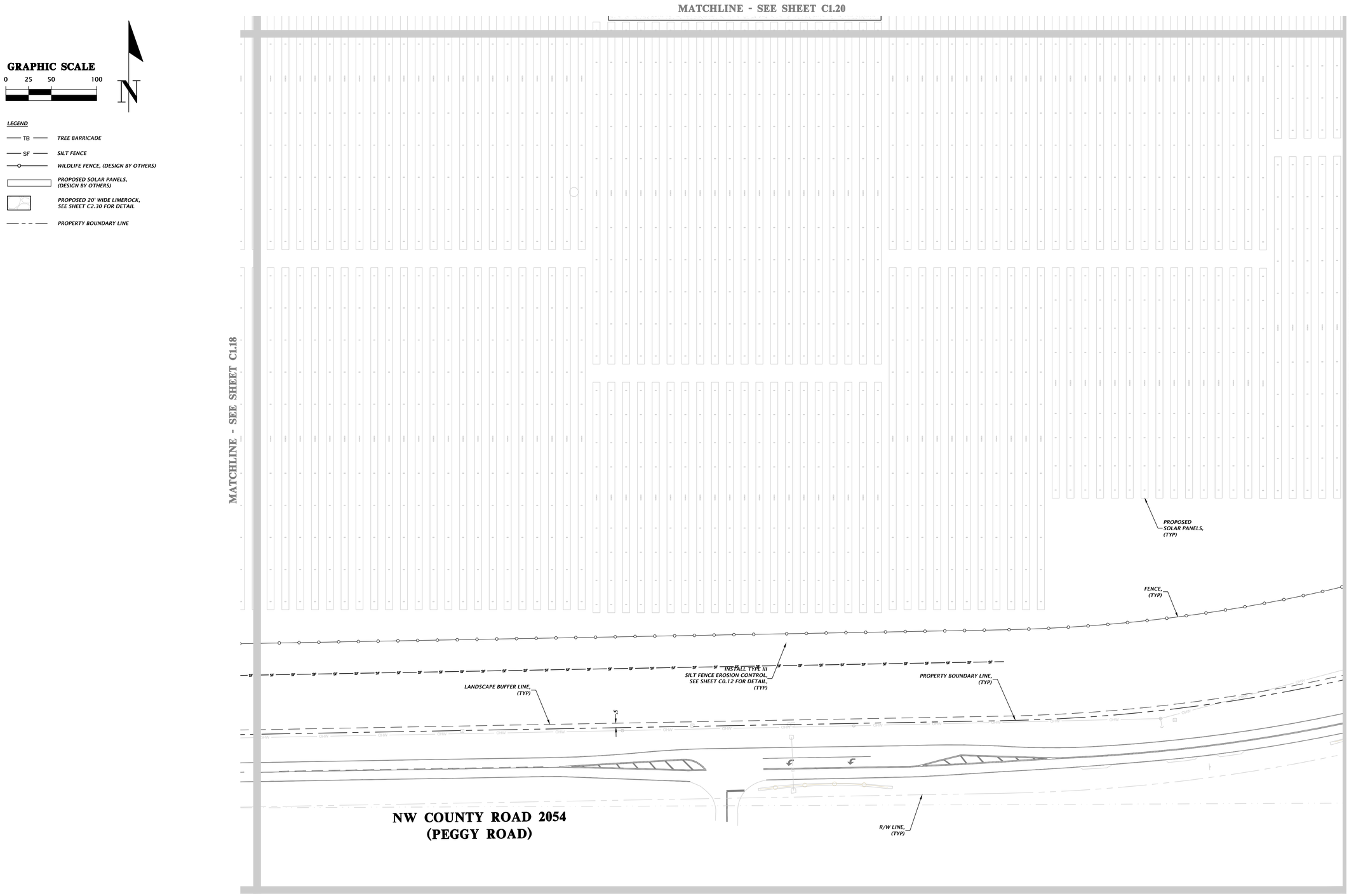

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CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C1.19

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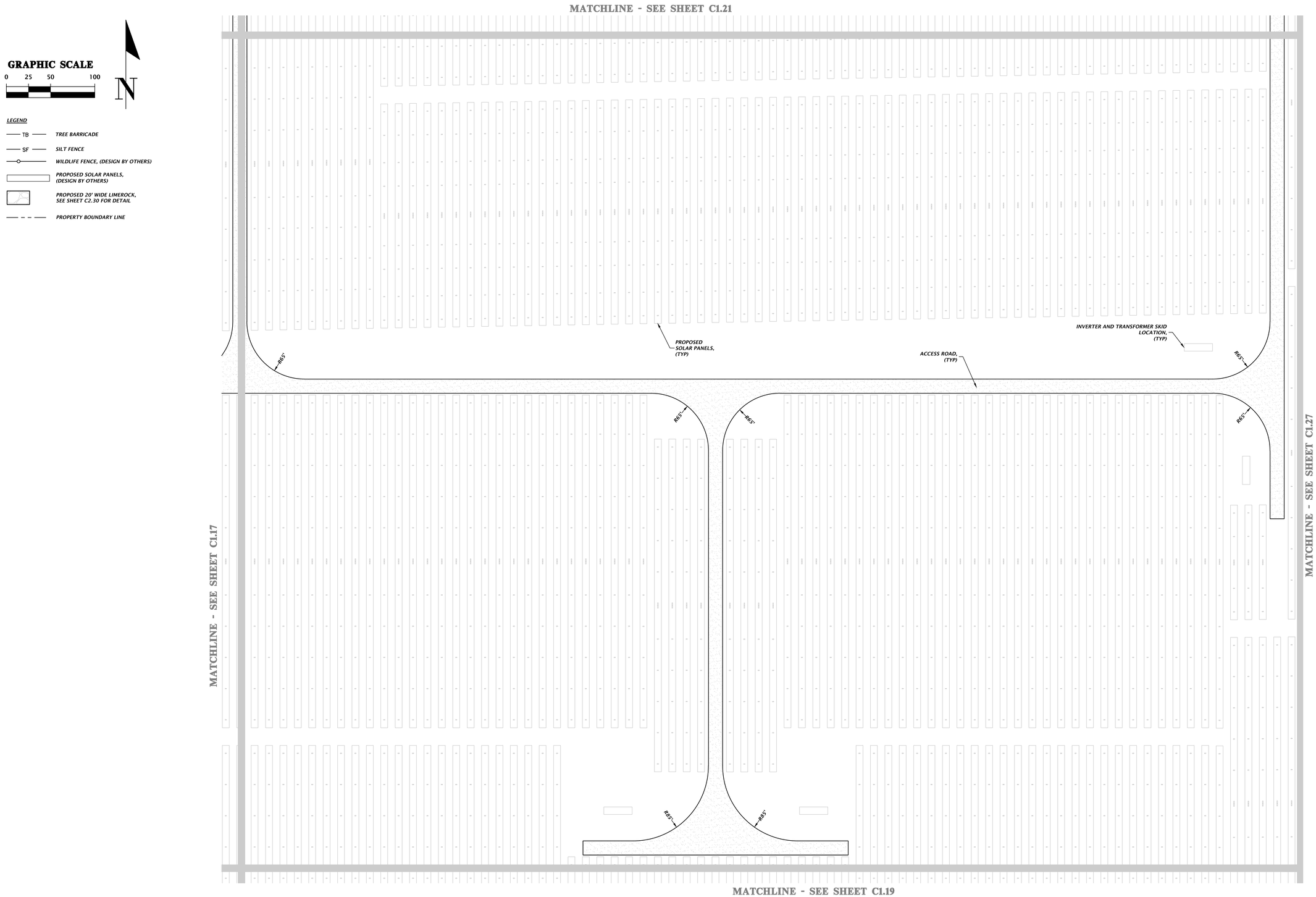

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CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

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SHEET NO.: C1.20

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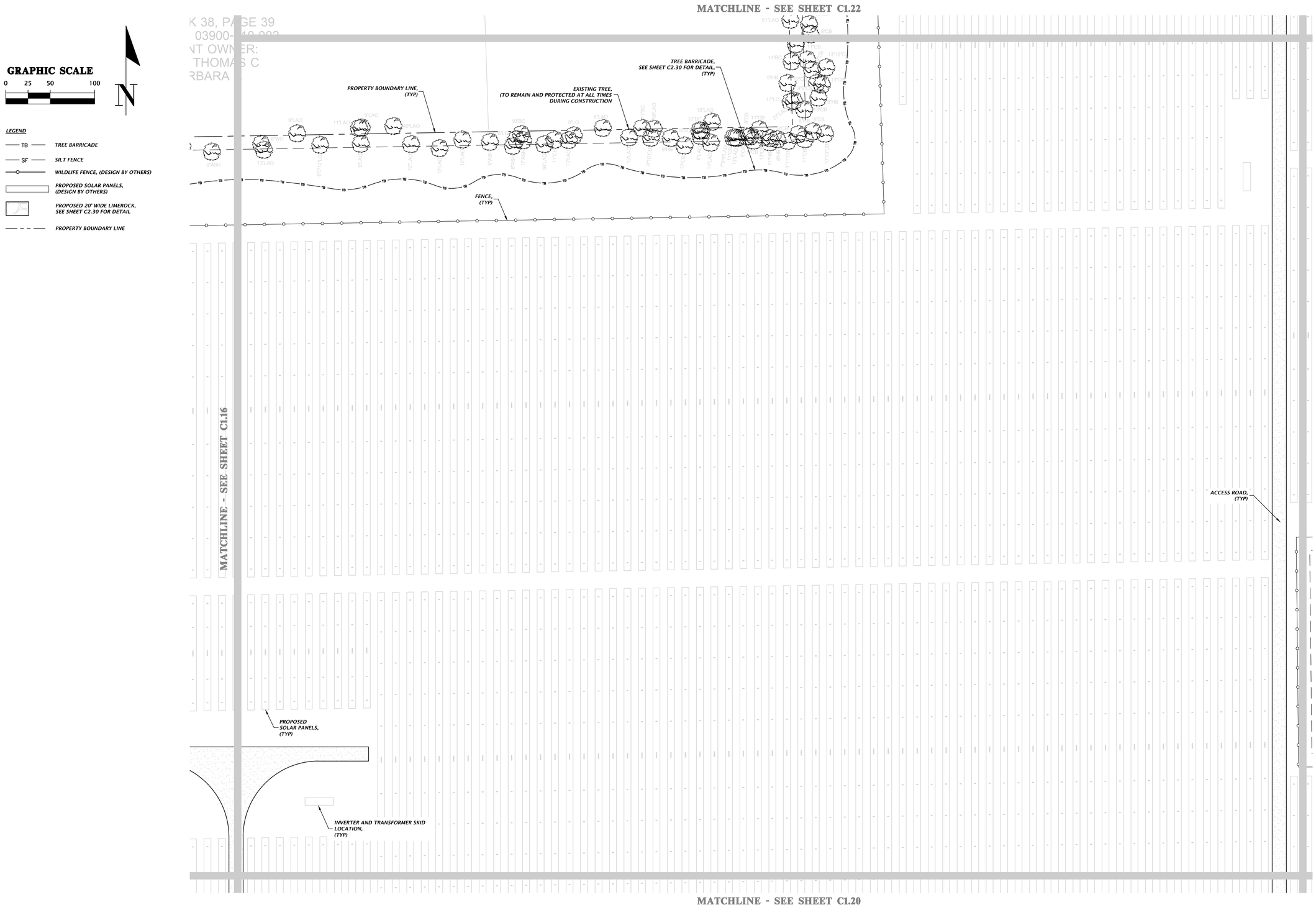

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CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C1.21

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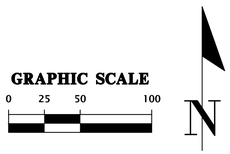

LEGEND

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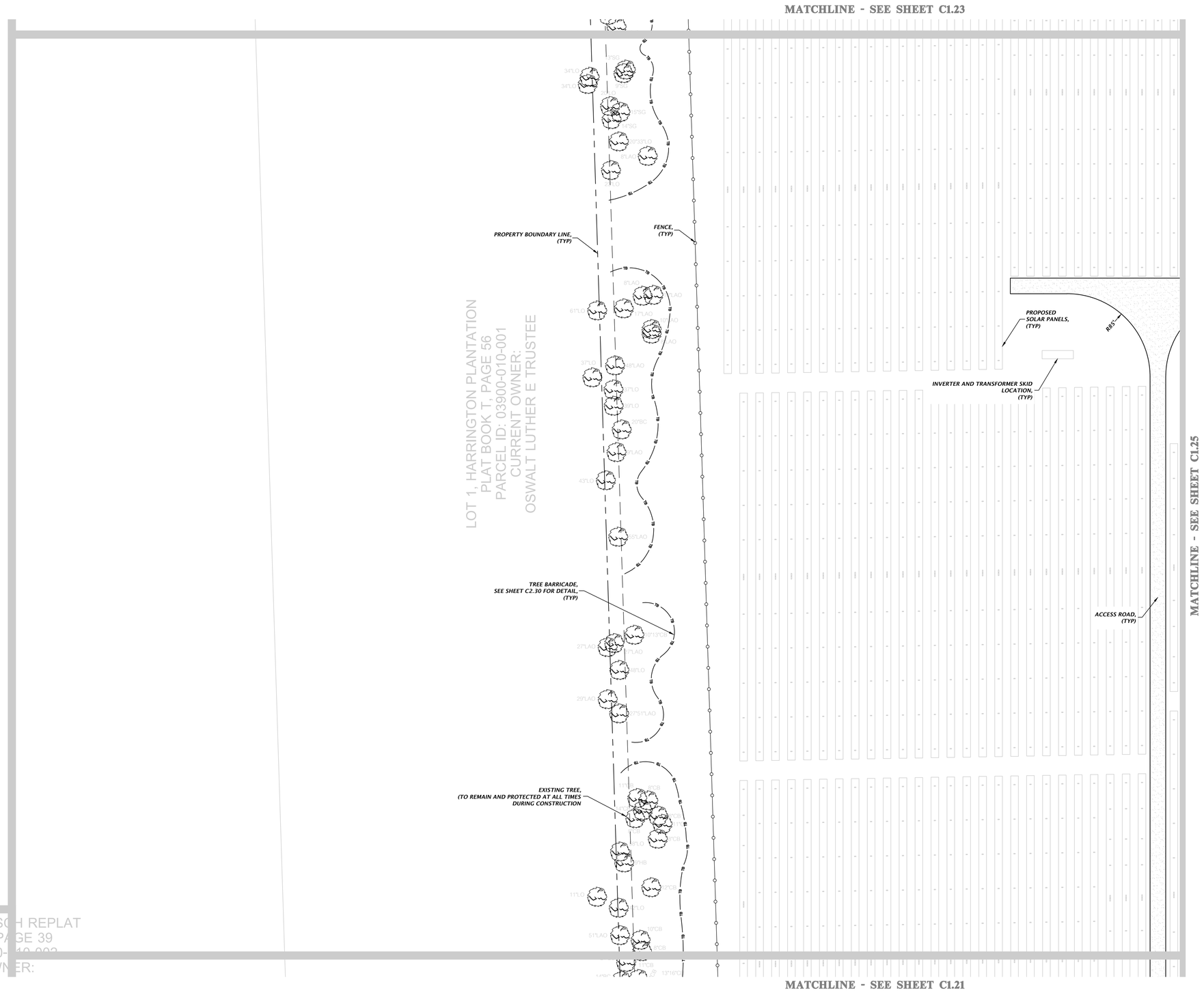

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PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
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PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER
FL PE No. 84295

SHEET NO.: C1.22

Tech: nicolas Plot Date: Apr 29,2024 1:03pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg

GRAPHIC SCALE

0 25 50 100

N

LEGEND

- TB — *TREE BARRICADE*
- SF — *SILT FENCE*
- *WILDLIFE FENCE, (DESIGN BY OTHERS)*
- *PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)*
- *PROPOSED 20' WIDE LIMEROCK, SEE SHEET C2.30 FOR DETAIL*
- *PROPERTY BOUNDARY LINE*

PARCEL ID: 03896-006-003
CURRENT OWNER:
DELOACH VIRGIL C
& HOLLY H

PARCEL ID: 03896-006-004
CURRENT OWNER:
BLUE BIRD HILL FARM LLC

PARCEL ID:
03896-004-000
CURRENT OWNER:
BLANTON CHRISTA

PARCEL ID:
03896-006-000
CURRENT OWNER:
HILL MICHAEL ALLEN
& YVONNE JO

PARCEL ID: 03896-003-001
CURRENT OWNER:
EMERSON JAMES E & GAIL D

PARCEL ID: 03896-013-000
CURRENT OWNER:
SMITH JUSTIN W & KELLY D

MATCHLINE - SEE SHEET C1.24

R/W LINE, (TYP)

NW 138TH AVENUE

LANDSCAPE BUFFER LINE, (TYP)

PROPERTY BOUNDARY LINE, (TYP)

FENCE, (TYP)

EXISTING TREE, (TO REMAIN AND PROTECTED AT ALL TIMES DURING CONSTRUCTION

TREE BARRICADE, SEE SHEET C2.30 FOR DETAIL, (TYP)

PROPOSED SOLAR PANELS, (TYP)

PROPERTY BOUNDARY LINE, (TYP)

MATCHLINE - SEE SHEET C1.22

Tech: nicolas Plot Date: Apr 29,2024 1:55pm FileName: N:\2021\21-0275\Department\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg

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SCALE: 1"=50'

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON
THIS SHEET ADJUST
SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:	
08/31/23	CITY OF ALACHUA AND SRWMD
09/18/23	CITY OF ALACHUA AND SRWMD
12/21/23	CITY OF ALACHUA
03/07/24	CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24	CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

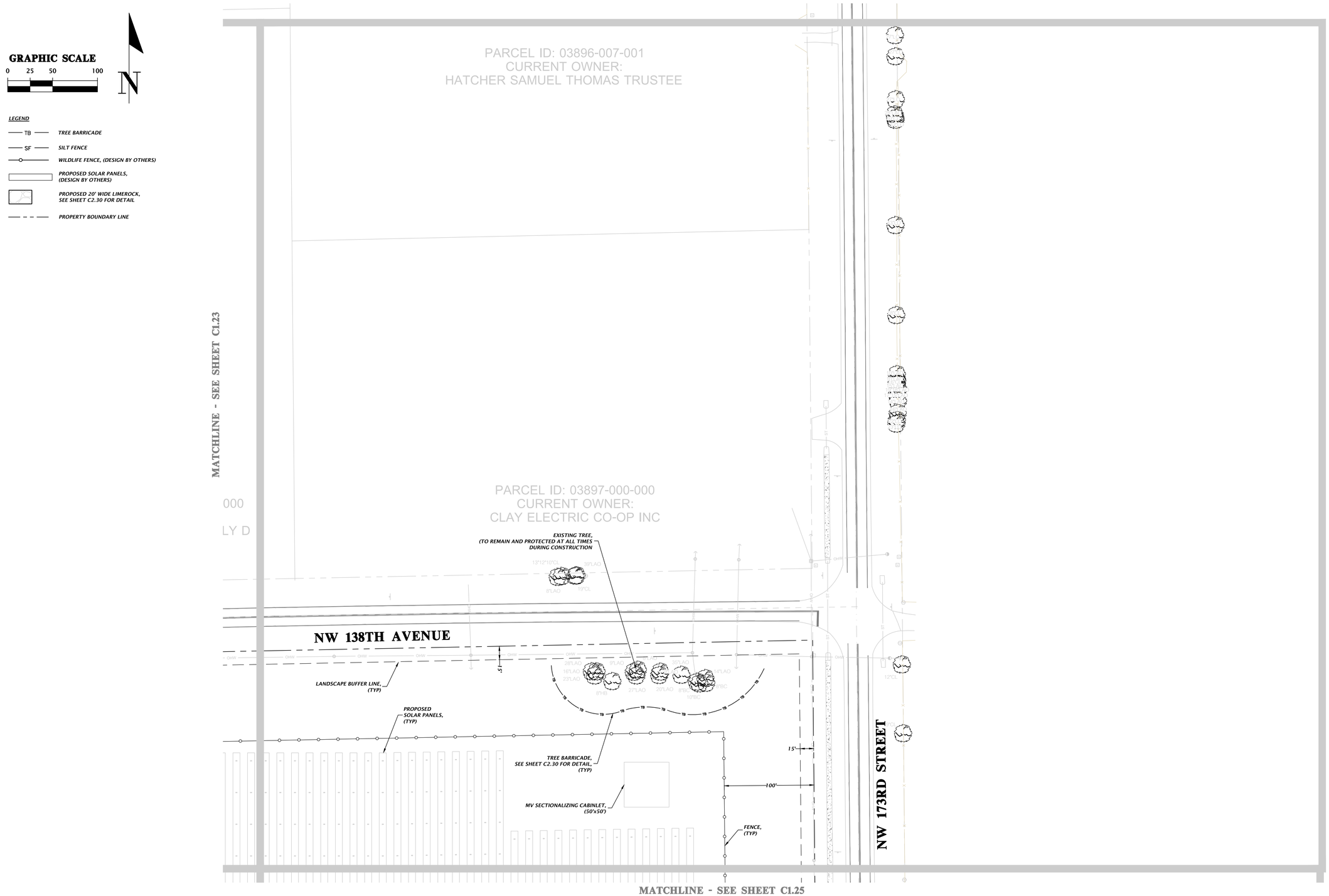
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: K. FOWLER
QUALITY CONTROL: T. HASTAY

PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
LICENSE No. 84295
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.: C1.23



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12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C1.24

Tech: nicolas Plot Date: Apr 29,2024 1:06pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

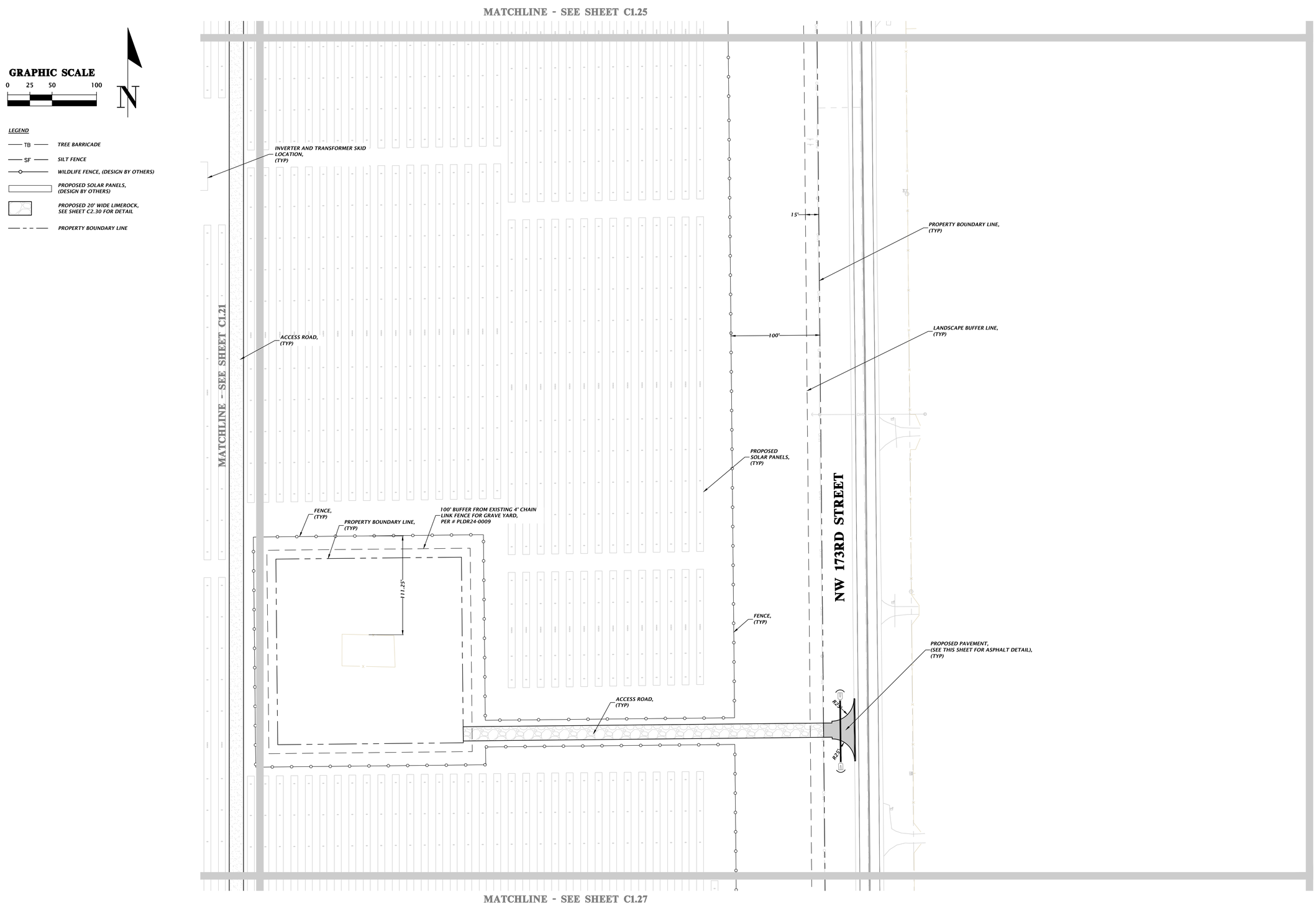
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C1.25

Tech: nicolas Plot Date: Apr 29,2024 1:08pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER
FL PE No. 84295

SHEET NO.: C1.26

Tech: nicolas Plot Date: Apr 29,2024 1:11pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg

GRAPHIC SCALE

0 25 50 100

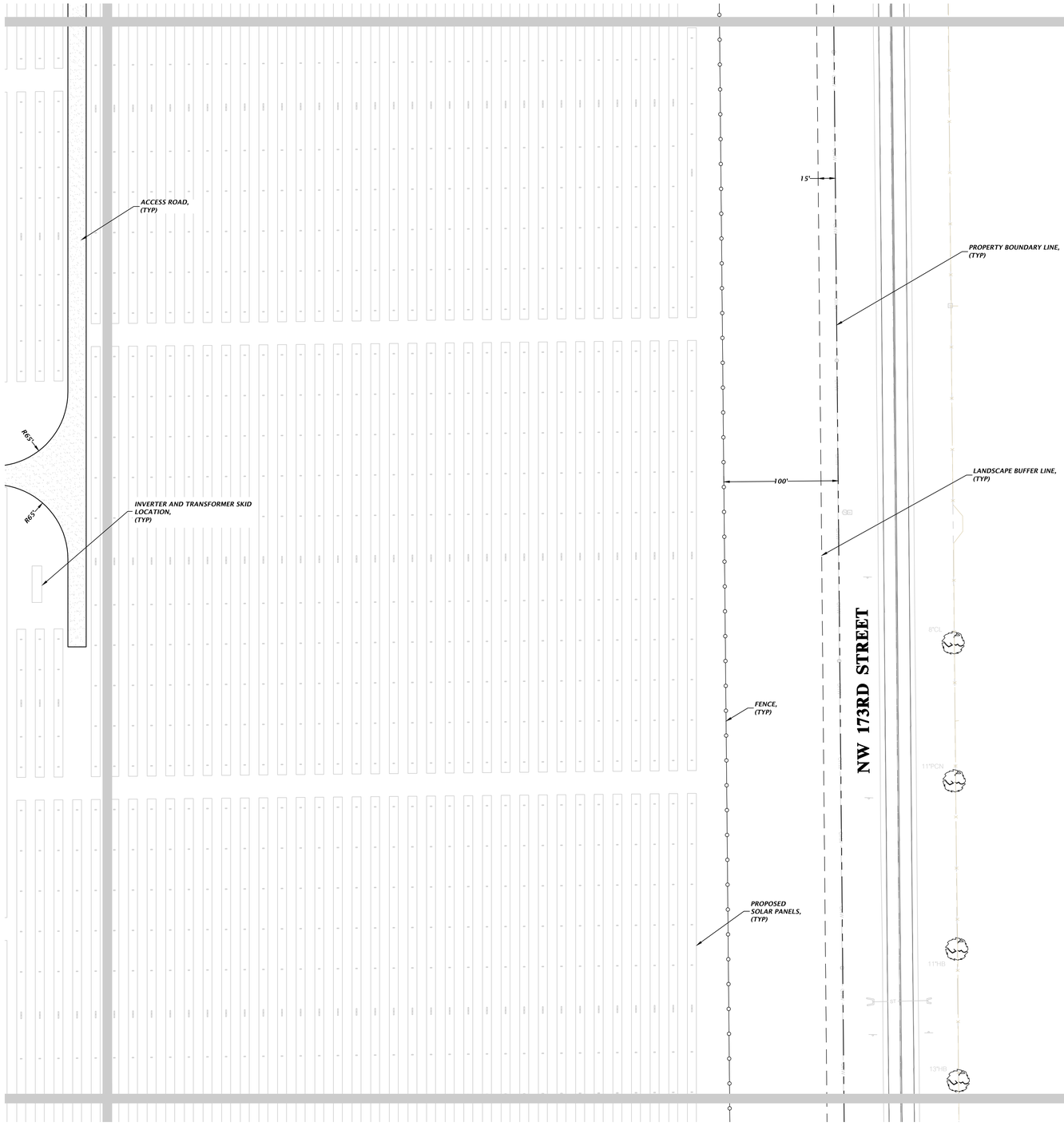
N

LEGEND

- TB — *TREE BARRICADE*
- SF — *SILT FENCE*
- *WILDLIFE FENCE, (DESIGN BY OTHERS)*
- *PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)*
- *PROPOSED 20' WIDE LIMEROCK, SEE SHEET C2.30 FOR DETAIL*
- *PROPERTY BOUNDARY LINE*

MATCHLINE - SEE SHEET C1.26

MATCHLINE - SEE SHEET C1.20



MATCHLINE - SEE SHEET C1.28

Tools: Adobe Plot Date: Apr 29,2024 1:10pm Filename: W:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg

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CONSTRUCTION/BID REVISIONS:

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03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

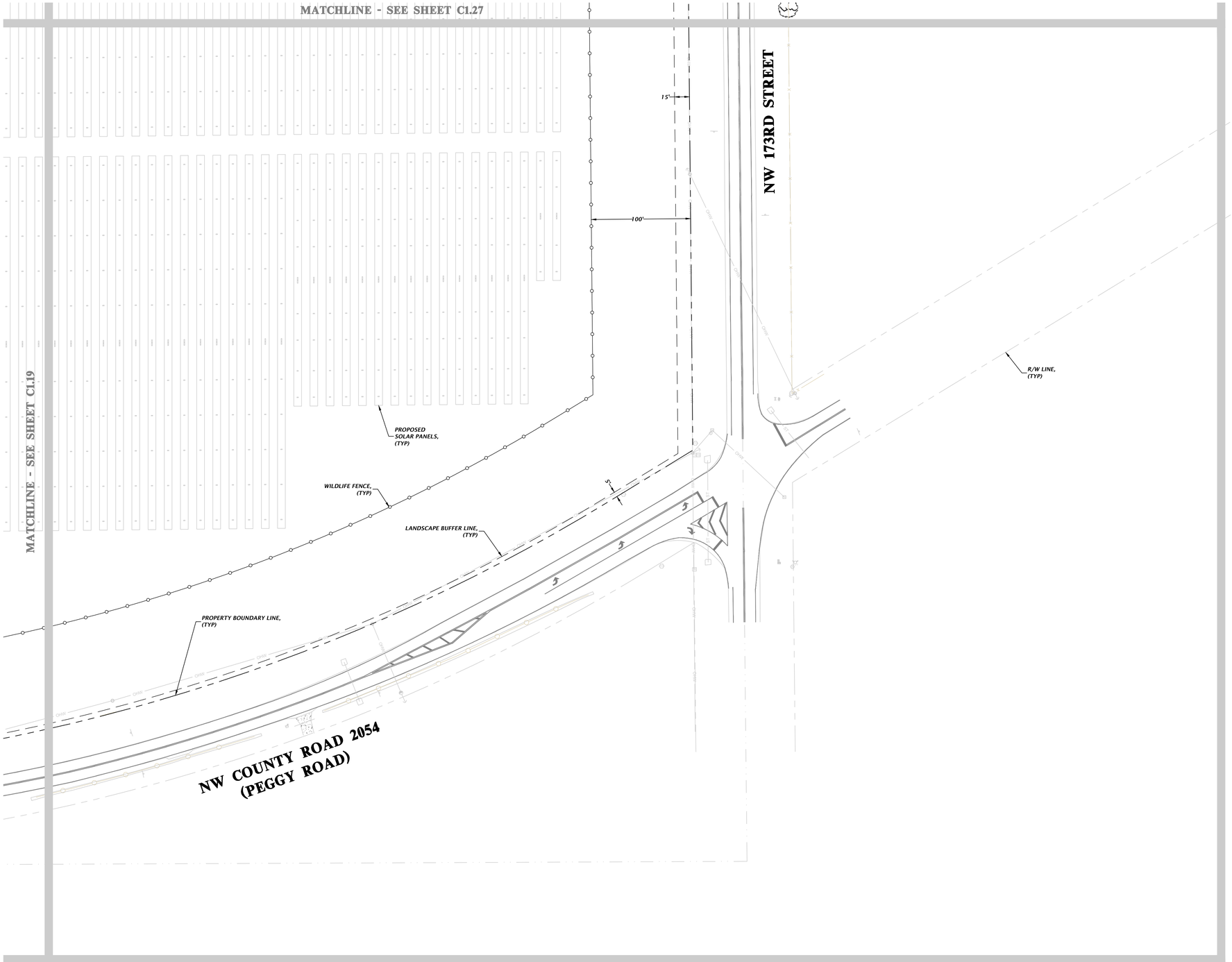
PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. CHAPP
PROJECT CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C1.27



GRAPHIC SCALE

0 25 50 100

N

LEGEND

- TB — TREE BARRICADE
- SF — SILT FENCE
- WILDLIFE FENCE, (DESIGN BY OTHERS)
- PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)
- PROPOSED 20' WIDE LIMEROCK, SEE SHEET C2.30 FOR DETAIL
- PROPERTY BOUNDARY LINE

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SCALE: 1"=50'

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0 1"

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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS

DESIGNER: N. COWAP

QUALITY CONTROL: T. HASTAY

PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21, 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C1.28

Tech: nicolao Plot Date: Apr 29,2024 1:13pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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CONSTRUCTION/BID REVISIONS:

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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: MASTER GRADING AND DRAINAGE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C2.00

Tech: nicolac Plot Date: May 07,2024 7:13am Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C2.00_Detailed Grading and Drainage Plan.dwg



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SCALE: 1"=100'

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED GRADING AND DRAINAGE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

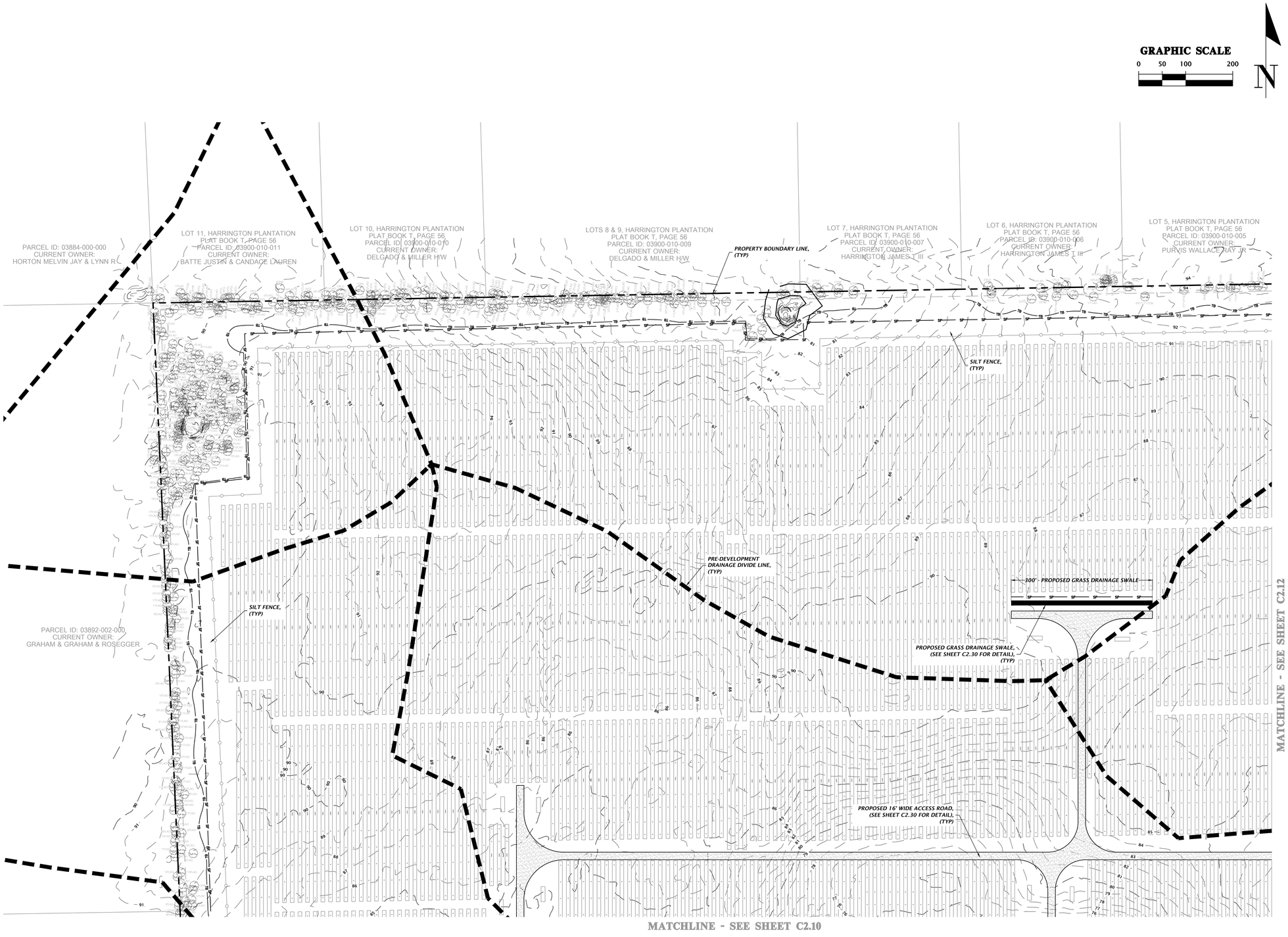
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C2.10

Tech: nicolac Plot Date: Apr 29,2024 1:22pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C2.00_Detailed Grading and Drainage Plan.dwg



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CONSTRUCTION/BID REVISIONS:

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09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED GRADING AND DRAINAGE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C2.11

Tech: nicolas Plot Date: Apr 29,2024 1:25pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C2.00_Detailed Grading and Drainage Plan.dwg

GRAPHIC SCALE
0 50 100 200

N

MATCHLINE - SEE SHEET C2.14

LOT 4, HARRINGTON PLANTATION
PLAT BOOK T, PAGE 56
PARCEL ID: 03900-010-004
CURRENT OWNER:
PURVIS CHARLES GLENN

LOT 2, THOMAS MIESCH REPLAT
PLAT BOOK 38, PAGE 39
PARCEL ID: 03900-010-002
CURRENT OWNER:
MIESCH THOMAS C
& BARBARA A

PRE-DEVELOPMENT
DRAINAGE DIVIDE LINE,
(TYP)

PROPOSED 16' WIDE ACCESS ROAD,
(SEE SHEET C2.30 FOR DETAIL),
(TYP)

NW 173RD STREET

MATCHLINE - SEE SHEET C2.11

MATCHLINE - SEE SHEET C2.10

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0 1"

CONSTRUCTION/BID REVISIONS

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12/21/23 CITY OF ALACHUA
03/07/24 CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED GRADING AND DRAINAGE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: M. CONWAY
QA/QC: T. HASTAY
PROJECT MANAGER: TRAVIS J. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.: C2.12

Tech: nlister Plot Date: Apr 29,2024 - 1:35pm Filename: H:\2021\21-0275\Department's\QA_Engineering\QA_DWGs\Production Files\21-0275_C2.00_Detailed Grading and Drainage Plan.dwg

GRAPHIC SCALE
0 50 100 200

N

MATCHLINE - SEE SHEET C2.12

MATCHLINE - SEE SHEET C2.10

PROPOSED 16' WIDE ACCESS ROAD, (SEE SHEET C2.30 FOR DETAIL), (TYP)

PROPOSED 16' WIDE ACCESS ROAD, (SEE SHEET C2.30 FOR DETAIL), (TYP)

PRE-DEVELOPMENT DRAINAGE DIVIDE LINE, (TYP)

EXISTING DRAINAGE CROSS DRAIN, (TO REMAIN AND PROTECTED)

EXISTING DRAINAGE CROSS DRAIN, (TO REMAIN AND PROTECTED)

EXISTING DRAINAGE CROSS DRAIN, (TO REMAIN AND PROTECTED)

SILT FENCE, (TYP)

NW 173RD STREET

NW COUNTY ROAD 2054
(PEGGY ROAD)

Tech: nicolas Plot Date: Apr 29,2024 1:27pm Filename: N:\2021\21-0275\Department\04_Engineering\02_DWGs\Production Files\21-0275_02.00_Detailed Grading and Drainage Plan.dwg

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CONSTRUCTION/BID REVISIONS:

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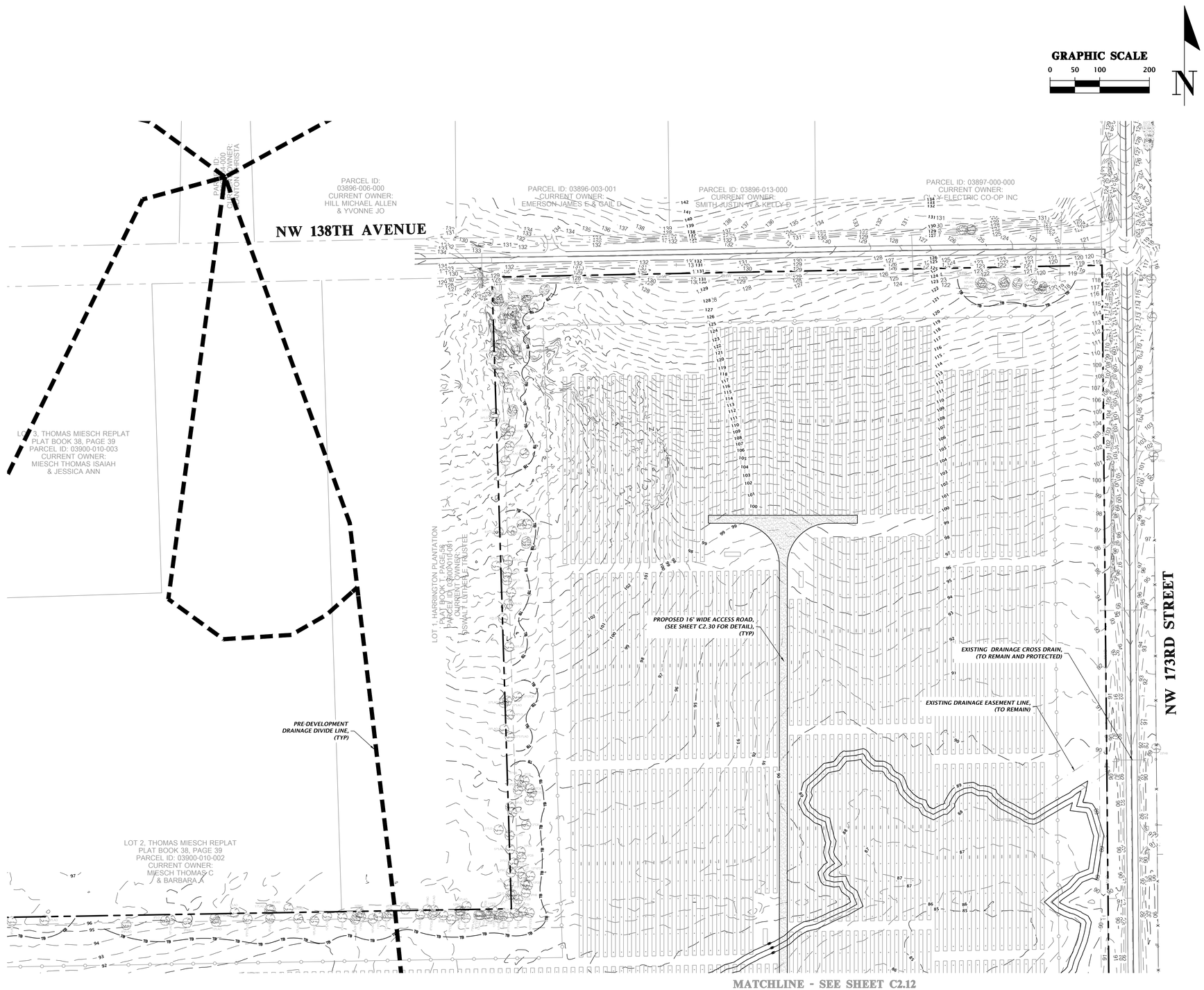
CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED GRADING AND DRAINAGE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: C. CRAPP
PROJECT CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.
C2.13



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CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED GRADING AND DRAINAGE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

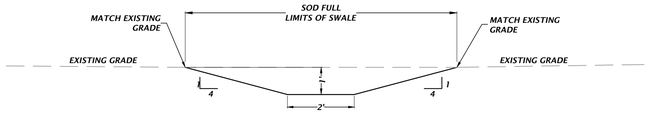
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C2.14

Tech: nicolas Plot Date: Apr 29,2024 1:39pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C2.00_Detailed Grading and Drainage Plan.dwg



TYPICAL GRASS SWALE DETAIL

NTS

NOTE: REFER TO C2.00 SERIES SHEETS FOR LENGTH AND LOCATION.

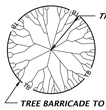
NOTE:

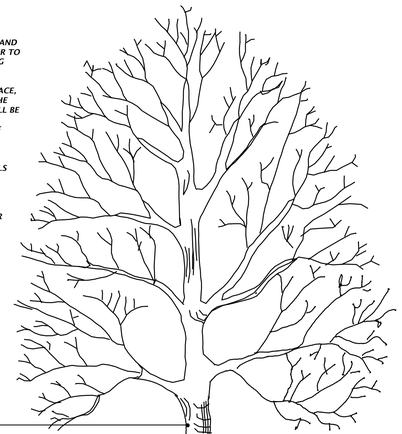
1. TREE BARRICADES MUST BE INSPECTED AND APPROVED BY THE CITY OF ALACHUA PRIOR TO ANY CLEARING, DEMOLITION, OR GRUBBING WORK BEGINS.

2. TREE BARRICADES SHALL REMAIN IN-PLACE, AND IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. BARRICADES SHALL BE REMOVED ONCE MAJOR CONSTRUCTION IS COMPLETE AND PRIOR TO COMPLETION OF LANDSCAPE INSTALLATION.

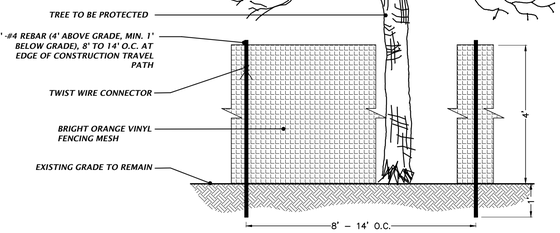
3. NO CONSTRUCTION EQUIPMENT, MATERIALS, SUPPLIES, FUELS OR CHEMICALS SHALL BE STORED WITHIN THE TREE BARRICADE LIMITS.

4. HERITAGE TREES (GREATER THAN 20" DIAMETER) ARE TO BE ENCLOSED TO THEIR ENTIRE DRIPLINE WHERE POSSIBLE.



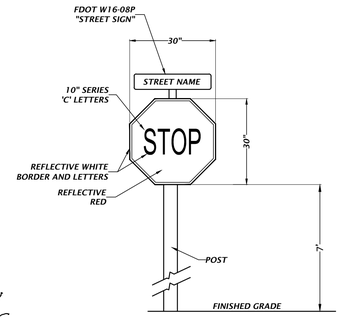


REGULATED TREE PLAN VIEW



TREE BARRICADE STAKING

NTS



MUTCD R1-1 (30"x30") STOP SIGN DETAIL

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BASIN OPERATION AND MAINTENACE REQUIREMENTS

SURFACEWATER MANAGEMENT FACILITIES (SMF'S)

ALL SMF'S PERMITTED BY THE DISTRICT SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE DESIGNS, PLANS CALCULATIONS, AND OTHER SPECIFICATIONS THAT ARE SUBMITTED WITH AN APPLICATION, APPROVED BY THE DISTRICT, AND INCORPORATED BY REFERENCE INTO ANY PERMIT ISSUED. SMF'S SHALL BE KEPT FREE OF DEBRIS, TRASH, GARBAGE, OILS AND GREASES, AND OTHER REFUSE THROUGH REGULAR INSPECTION AND MAINTENANCE BY THE PERMITTEE.

EROSION CONTROL

THE SYSTEM SHALL BE REGULARLY INSPECTED AND MAINTAINED BY THE PERMITTEE TO INSURE THAT ALL EROSION IS CONTROLLED AND SOIL IS STABILIZED TO PREVENT SEDIMENT DISCHARGE TO WATERS IN THE STATE. ANY VEGETATION ESTABLISHED FOR EROSION CONTROL SHALL BE PROPERLY MAINTAINED FOR FUNCTION.

CULVERTS, PIPES AND STRUCTURES

ALL STRUCTURES WITHIN THE SYSTEM SHALL BE REGULARLY INSPECTED AND MAINTAINED ON A REGULAR BASIS BY THE PERMITTEE TO INSURE THAT THEY DO NOT BECOME CLOGGED OR CHOKED WITH VEGETATIVE OR AQUATIC GROWTH TO SUCH AN EXTENT AS TO RENDER THEM INOPERABLE.

MAINTENANCE

THE BASIN SHALL BE REGULARLY MOWED TO AVOID EXCESSIVE VEGETATION GROWTH. THE MOWING RATE SHALL BE AT A MINIMUM OF 12 TIMES PER YEAR, WITH MORE FREQUENT MOWING IN THE SUMMER MONTHS. BASIN SIDE SLOPES SHALL INITIALLY BE SODDED AND THE SOD MAINTAINED.

FUNCTION

BASINS THAT DO NOT DRAWDOWN PROPERLY AND MAINTAIN STANDING WATER FOR AN EXTENDED PERIOD OF TIME MAY REQUIRE REMEDIAL ACTION. THE ENGINEER SHALL BE NOTIFIED TO HELP COORDINATE REMEDIAL ACTION IN THE EVENT IMPROPER RECOVERY IS NOTED.

LIMEROCK/SINKHOLE

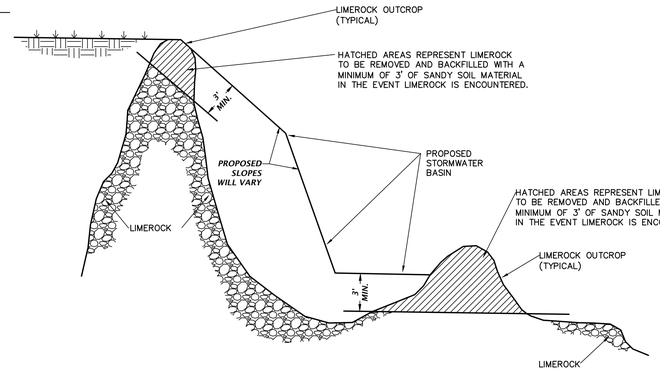
IF A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED DURING EXCAVATION OF THE SWALES/BASIN OR IF A SINKHOLE FORMS IN THE AREA OF A DRAINAGE SWALE/BASIN THE ENGINEER OF RECORD SHALL BE NOTIFIED BY EITHER THE CONTRACTOR OR THE ESTABLISHED OPERATION AND MAINTENANCE ENTITY. THE ENGINEER OF RECORD SHALL INSPECT THE REPAIRED AREA UPON COMPLETION OF THE REPAIR.

WHERE A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED DURING EXCAVATION OF THE SWALES/BASINS, THE LIMEROCK SHALL BE OVER EXCAVATED BY 3 FEET ,AN APPROVED GEO TEXTILE FABRIC SHALL BE PLACED IN THE EXCAVATION AND BACKFILLED WITH SANDY SOILS IN A LOOSE CONDITION.

ALL SWALES/BASINS SHALL BE INSPECTED MONTHLY FOR SINKHOLE OCCURRENCE. SHOULD A SINKHOLE OCCUR, THE AREA SHALL BE REPAIRED AS SOON AS POSSIBLE. REPAIR SHALL INCLUDE FILLING (LIMEROCK SUCH AS ROAD BASE MATERIAL, CLAY/SAND MIXTURE, OR CONCRETE IF NECESSARY). A 3-FOOT DEEP CAP THAT EXTENDS 3 FEET BEYOND THE PERIMETER OF THE SINKHOLE SHALL BE CONSTRUCTED WITH CLAYEY SOILS. THE CLAYEY SOIL SHALL HAVE AT LEAST 20% PASSING THE NO. 200 SIEVE, COMPACTED TO 95% OF STANDARD PROCTOR, AND COMPACTED IN A WET CONDITION WITH MOISTURE 2% - 4% ABOVE OPTIMUM. THE CLAY SOIL CAP SHALL BE RE-GRADED TO PREVENT CONCENTRATION OF WATERS (PONDING) AND RE-VEGETATED.

OPERATION & MAINTENANCE ENTITY

PLEASANT SOLAR, LLC



LIMEROCK OUTCROP REMOVAL DETAIL

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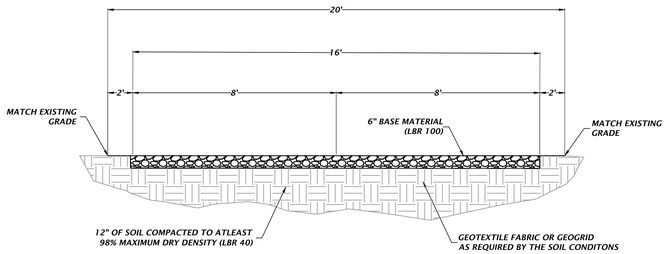
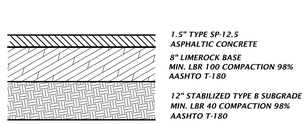


16' WIDE ACCESS ROAD WITH 2' ADDITIONAL CLEAR ON BOTH SIDES DETAIL

NTS



COUNTY R/W ASPHALT DETAIL

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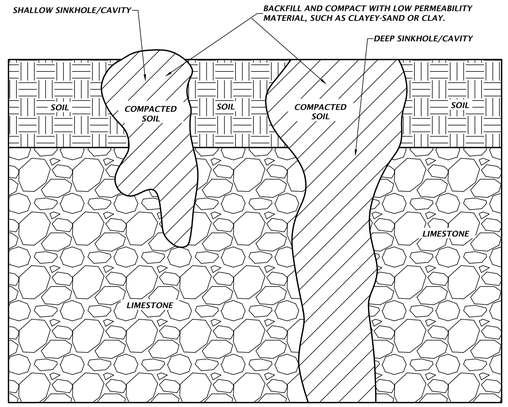

SHALLOW AND DEEP SINKHOLE/CAVITY MAINTENANCE REPAIR DETAIL

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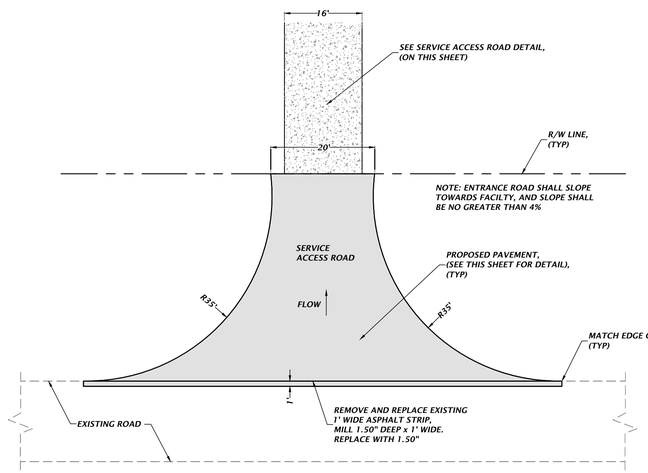

SITE ENTRANCE DETAIL

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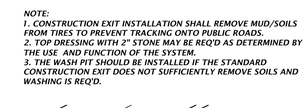
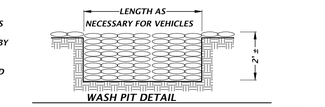
NOTE:
1. CONSTRUCTION EXIT INSTALLATION SHALL REMOVE MUD/SOILS FROM TIRES TO PREVENT TRACKING ONTO PUBLIC ROADS.
2. TOP DRESSING WITH 2" STONE MAY BE REQ'D AS DETERMINED BY THE USE AND FUNCTION OF THE SYSTEM.
3. THE WASH PIT SHOULD BE INSTALLED IF THE STANDARD CONSTRUCTION EXIT DOES NOT SUFFICIENTLY REMOVE SOILS AND WASHING IS REQ'D.



STANDARD CONSTRUCTION EXIT



CONSTRUCTION EXIT WITH WASH PIT

TEMPORARY CONSTRUCTION EXIT DETAIL

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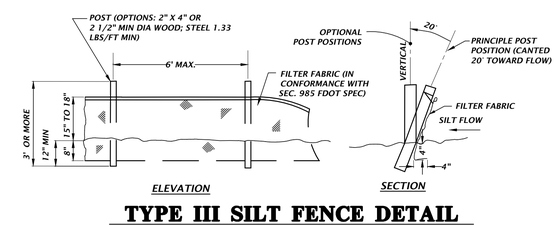

TYPE III SILT FENCE DETAIL

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CONSTRUCTION/BID REVISIONS

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09/13/23 - CITY OF ALACHUA AND SJWMD
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03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: CONSTRUCTION DETAILS

TECHNICIAN: J. THOMAS
DESIGNER: N. CUTCHSHAW
REVIEWER: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
License No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.: C2.30

Texts: Holster Plot Date: Apr 29,2024 1:48pm Filename: N:\2021\21-0275\Department\04_Engineering\03_DWG\Production Files\21-0275_C2.30_Construction Details.dwg



645~665W	0~+5W	21.4%	≤ 2.0%	≤ 0.45%
POWER RANGE	POWER SORTING	MAX. MODULE EFFICIENCY	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION

Electrical Specifications

STC: Irradiance 1000W/m², Cell Temperature 25° C, AM=1.5

Rated output (Pmpp / Wp)	645	650	655	660	665
Rated voltage (Vmpp / V)	37.48	37.68	37.88	38.08	38.28
Rated current (Impp /A)	17.21	17.26	17.30	17.34	17.38
Open circuit voltage (Voc / V)	45.29	45.49	45.69	45.89	46.09
Short circuit current (Isc /A)	18.27	18.32	18.37	18.42	18.47
Module efficiency	20.8%	20.9%	21.1%	21.2%	21.4%

NMOT: Irradiance 800W/m², Ambient Temperature 20° C, AM=1.5, Wind Speed 1m/s

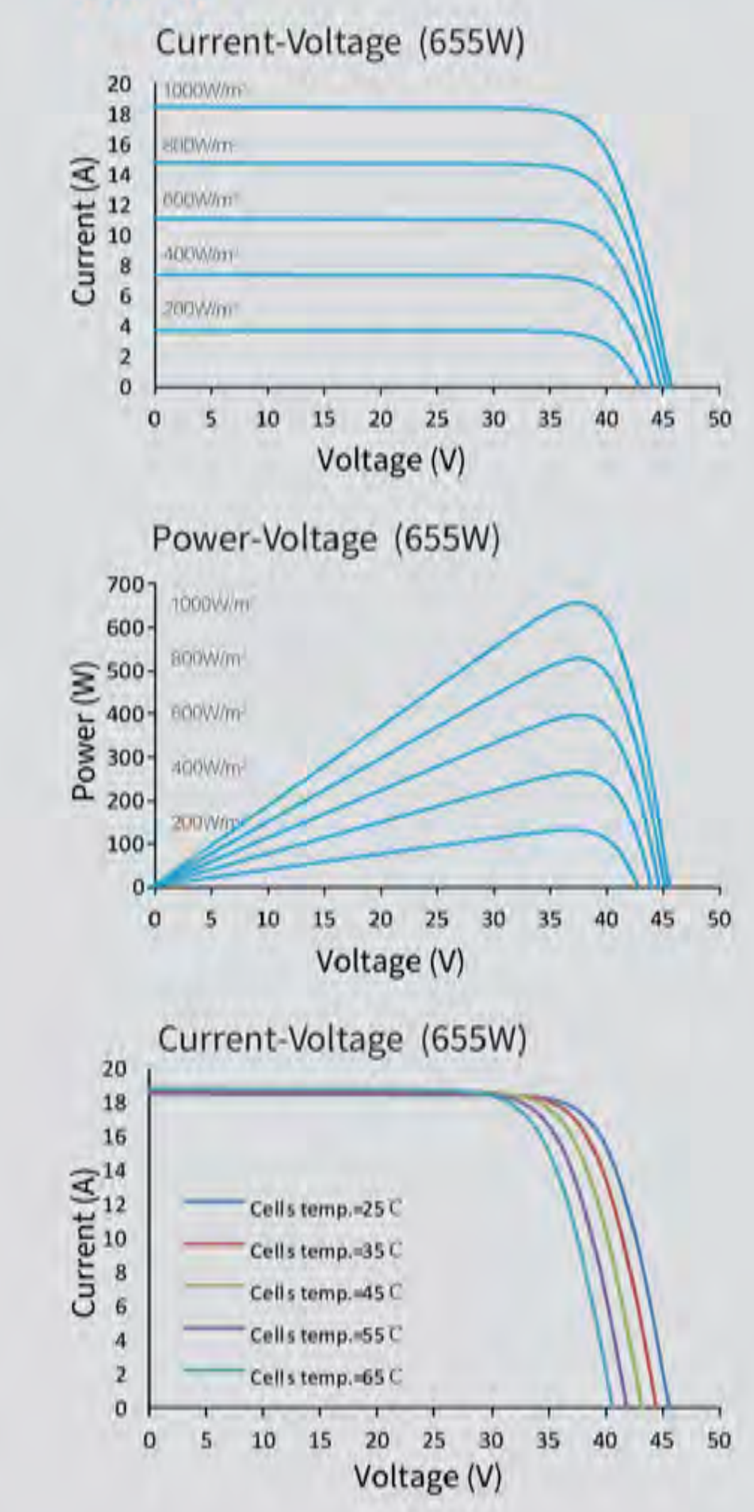
Rated output (Pmpp / Wp)	485.8	489.5	493.3	497.1	500.8
Rated voltage (Vmpp / V)	35.03	35.19	35.34	35.47	35.60
Rated current (Impp /A)	13.87	13.92	13.97	14.02	14.07
Open circuit voltage (Voc / V)	42.43	42.63	42.83	43.03	43.23
Short circuit current (Isc /A)	14.72	14.77	14.82	14.87	14.92

Electrical Specifications (Integrated power)

Pmpp gain	Pmpp / Wp	Vmpp / V	Impp /A	Voc / V	Isc /A
5%	687	37.88	18.17	45.69	19.29
10%	720	37.88	19.03	45.69	20.21
15%	753	37.89	19.90	45.70	21.13
20%	786	37.89	20.76	45.70	22.04
25%	818	37.89	21.63	45.70	22.96

Electrical characteristics with different rear power gain (reference to 655W)

Curve

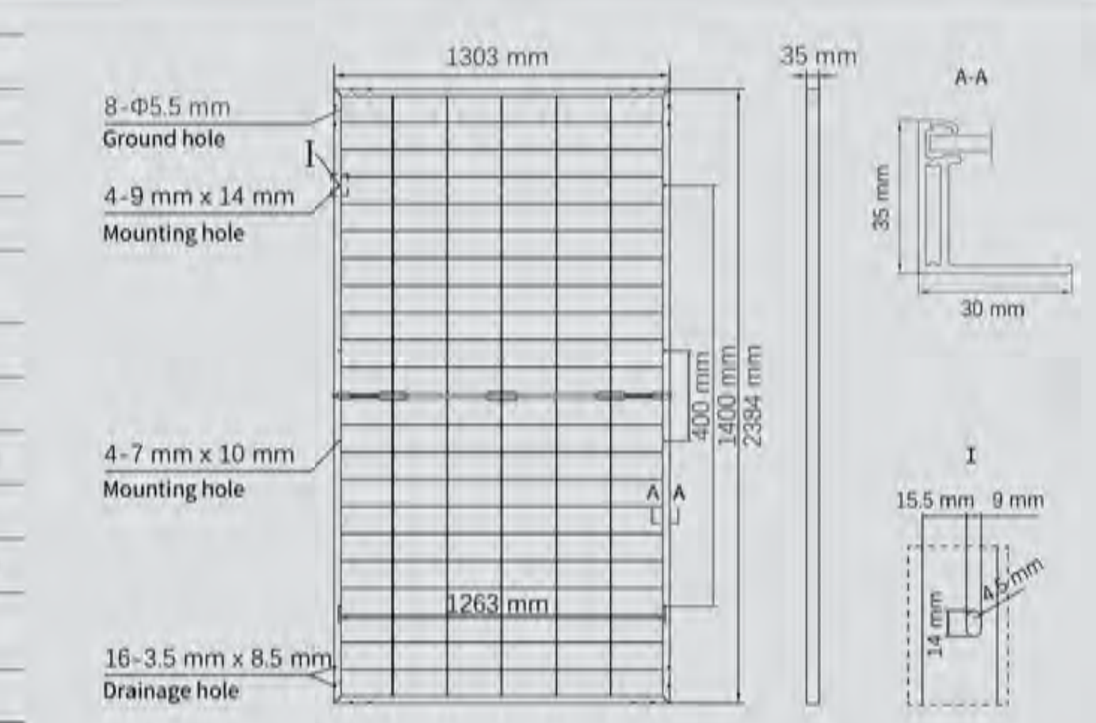


Temperature Ratings (STC) / Operating Parameters

Temperature coefficient (Pmpp)	-0.34%/°C	No. of diodes	3
Temperature coefficient (Isc)	+0.04%/°C	Junction box IP rating	IP 68
Temperature coefficient (Voc)	-0.25%/°C	Max. series fuse rating	35 A
Nominal module operating temperature (NMOT)	41±2°C	Max. system voltage (IEC/UL)	1500V$_{DC}$

Mechanical Specifications

Outer dimensions (L x W x H)	2384 x 1303 x 35 mm
Cell type	P type mono-crystalline
No. of cells	132 (6*22)
Frame technology	Aluminum, silver anodized
Front / Back glass	2.0+2.0 mm
Cable length (Including connector)	Portrait: (+)410 mm,(-)250 mm; Customized length
Cable diameter (IEC/UL)	4 mm² / 12 AWG
① Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Connector type (IEC/UL)	HCB40 (Standard) / MC4-EVO2A (Optional)
Module weight	38 kg
Packing unit	31 pcs / box (Subject to sales contract)
Weight of packing unit (for 40'HQ container)	1227 kg
Modules per 40' HQ container	496 pcs



① Refer to Astronergy crystalline installation manual or contact technical department. Maximum Mechanical Test Load=1.5× Maximum Mechanical Design Load.

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https://www.astro-energy.com

202211

NOTE:
SOLAR PANEL INFORMATION SHOWN FOR COORDINATION PURPOSES ONLY



Our most amazing tracker yet.

In our mission to make solar a mainstream energy source, NEXTracker has engineered the most intelligent and flexible tracking technology yet. Using sustainable design methods with outcomes that benefit people and the planet, we bring you: NX Horizon™.

NX Horizon (formerly referred to as the Self-Powered Tracker or SPT), brings self-contained motor power to each row, eliminating power wiring and trenching. Our advanced horizontal tracker ihas the widest rotational range available, lowest O&M costs, and requires far less power to operate than other trackers. By offering more powerful systems at a greater value, NEXTracker enables greater deployment of renewable energy worldwide.

NX Horizon key features and benefits include:

– Self-powered system with smart performance communications: Self-contained units on each row include a dedicated PV panel toprovide power to the controller which drives themotor and hosts intelligent control electronics to position each tracker. With smart communications built in, NX Horizon systems can be accessed remotely, providing customers with a granular view to optimize tracker performance, operations and maintenance.

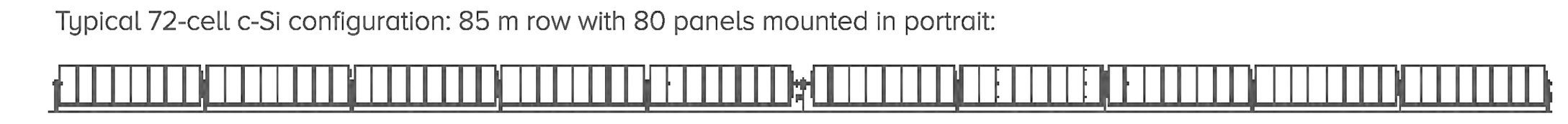
– Independent balanced rows with 120 degree rotational range: Each NX Horizon row has its own controlled motor with rotational range that delivers up to 2% more energy than typical linked row trackers. These agile, independent rows stow in less than 90 seconds to reduce wind forces on the array, protecting the PV modules in harsh environments. NX Horizon solar trackers also have a mechanically balanced row design that align PV panels with the tracker's axis of rotation – which greatly reduces row torque, using less energy from the motor to track throughout the day.

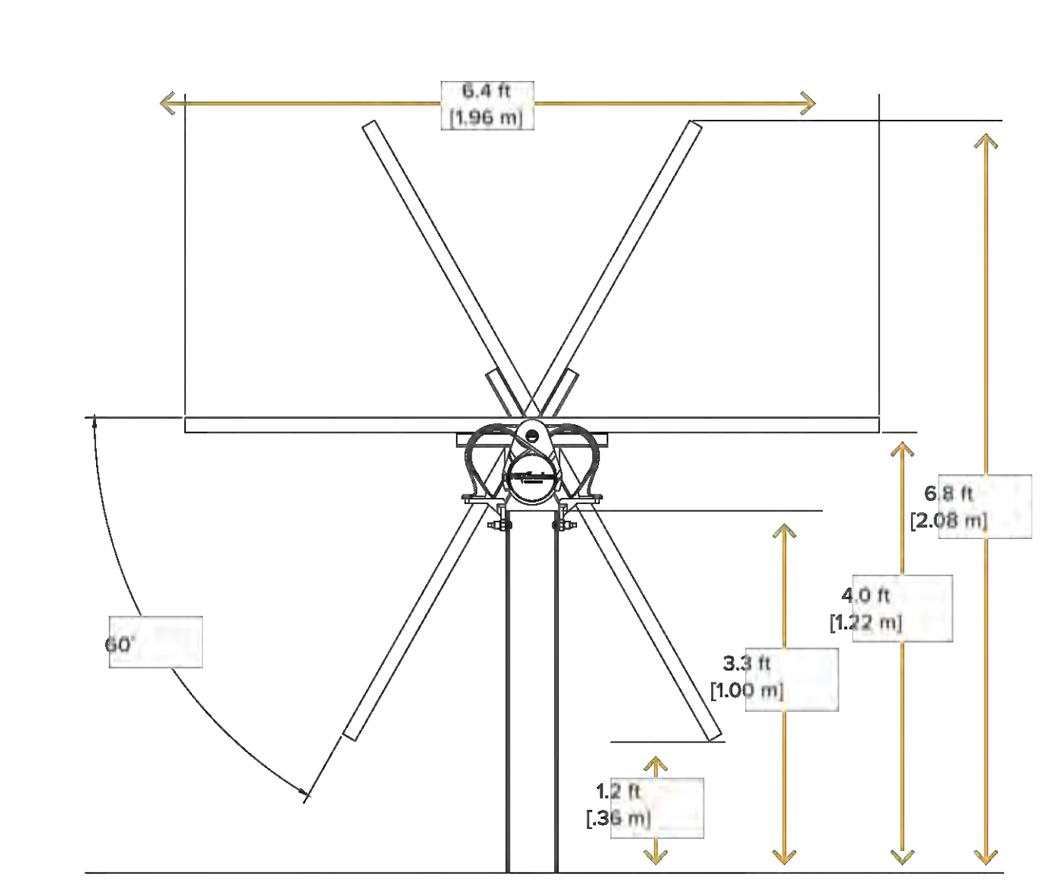
– Self-grounded system with theft-proof fasteners: NX Horizon is the world's first horizontal tracker with an entirely self-grounded design. This means no separate bonding hardware is required. You save on material and associated costs by eliminating grounding washers, braided straps, bare copper wire, and grounding rods. What's more, we've designed our own fasteners that can only be removed with special tools – deterring PV theft.

NX Horizon Specifications

Tracking Technology	Horizontal single-axis balanced-mass tracker with independently-driven rows
Tracking Range	Up to 120° (± 60°)
Control System	1 Self-Powered Controller (SPC) per tracker; 1 Network Control Unit (NCU) per 100 SPCs
Communications	Wireless ZigBee® mesh network/SCADA; no communication wiring required
Drive System	One slew gear, 24 VDC motor and self-powered controller w/dedicated solar panel per row
DC Capacity	23-35kWp per tracker row, depending on panel type. Row length up to 90 panels.
System Voltage	1,500 volt or 1,500 volt
Power Consumption	No grid power required
Ground Coverage Ratio	Fully configurable by customer; typical range 33%-50%
Installation Method	Rapid field assembly, no welding required
Foundation Types	Compatible with all major foundation types (driven pier, concrete foundation, ground screw)
Standard Wind Design	100 mph/161 kph, 3 second gust per ASCE7-10; configurable for higher wind speeds
Safety Stowing	Automated wind and snow stowing with self-contained backup power; no external power required
Torsional Limiter	Included at each foundation/bearing for additional wind and snow load protection
Principal Materials	Galvanized and stainless steel
Grounding Method	Self-grounding structure; separate materials and labor not required
Compliance	Grounding/bonding: UL2703; structural design: ASCE7-10
Other Available Options	Snow and flood sensors
Warranty	10 years on structural components; 5 years on drive and control systems
Typical Dimensions	Height 2.1 m/6.8 ft (@ 60°), Width 2.0 m/6.4 ft, Length 85 m/283 ft

Typical 72-cell c-Si configuration: 85 m row with 80 panels mounted in portrait:





NEXTracker
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nextracker.com

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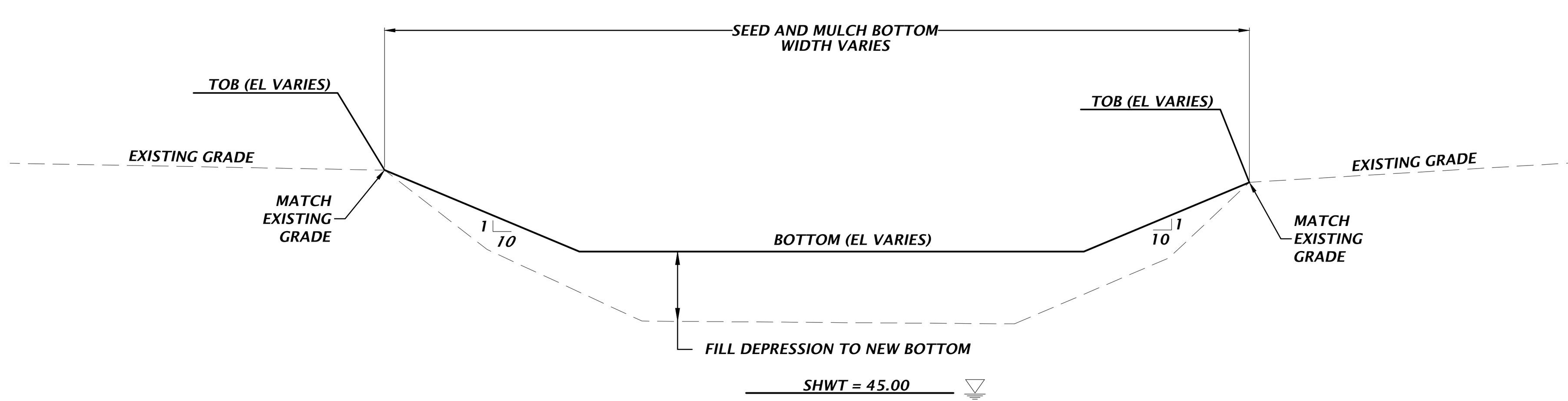

TYPICAL SECTION FOR REGRADED DEPRESSIONS
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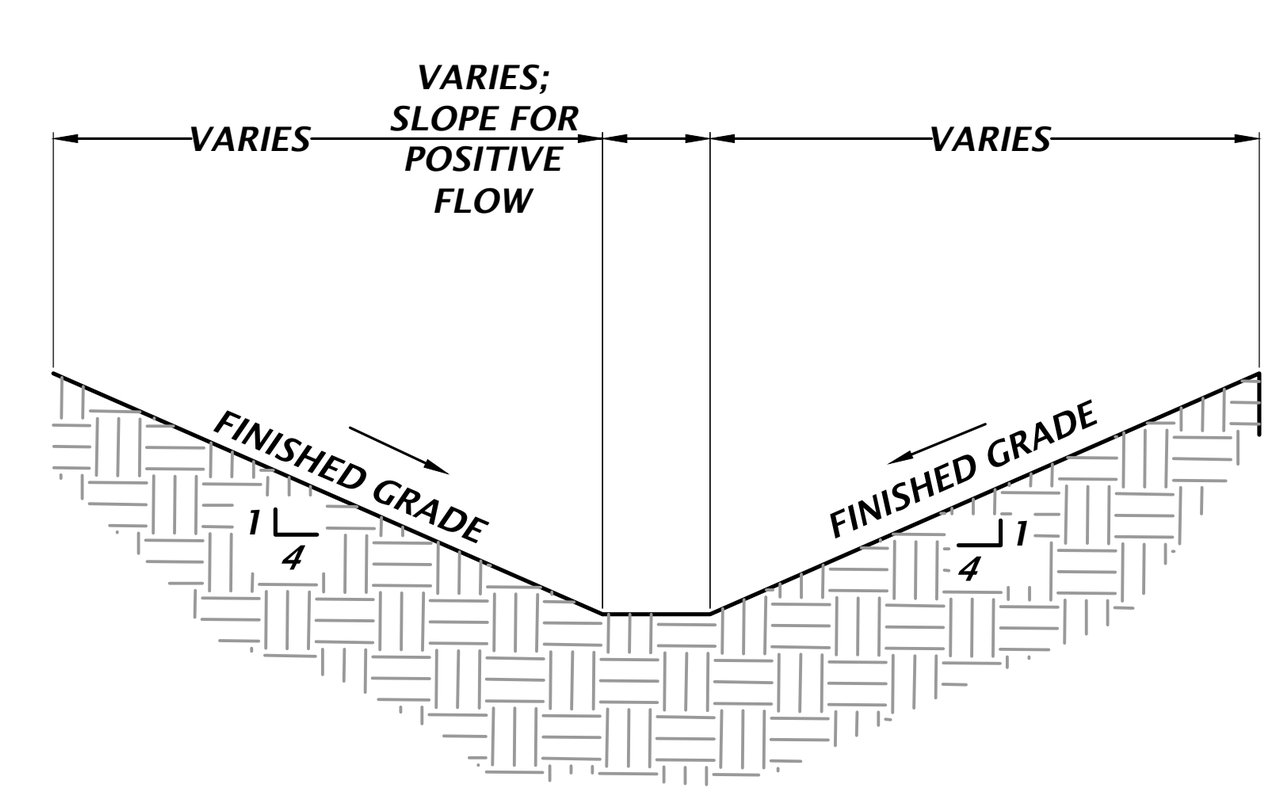

TYPICAL SWALE SECTION
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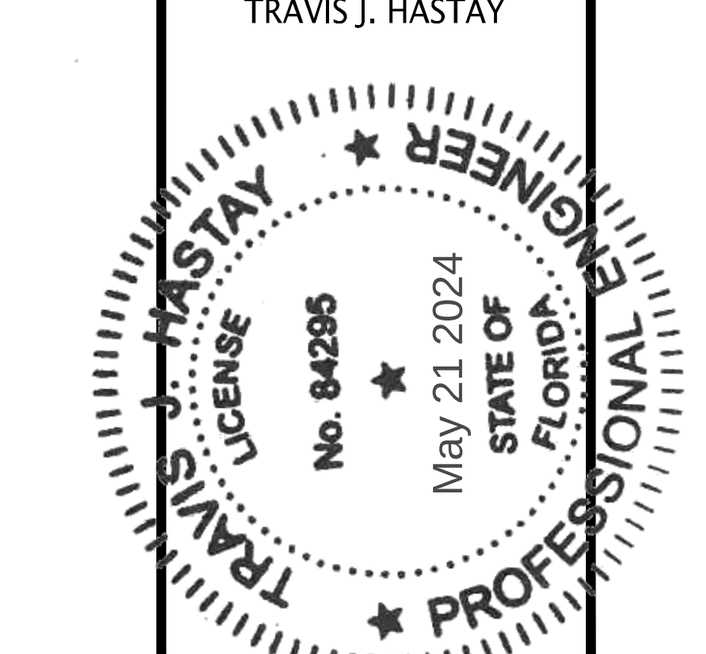
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: CONSTRUCTION DETAILS

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY



FL PE No. 84295

SHEET NO.: C2.31

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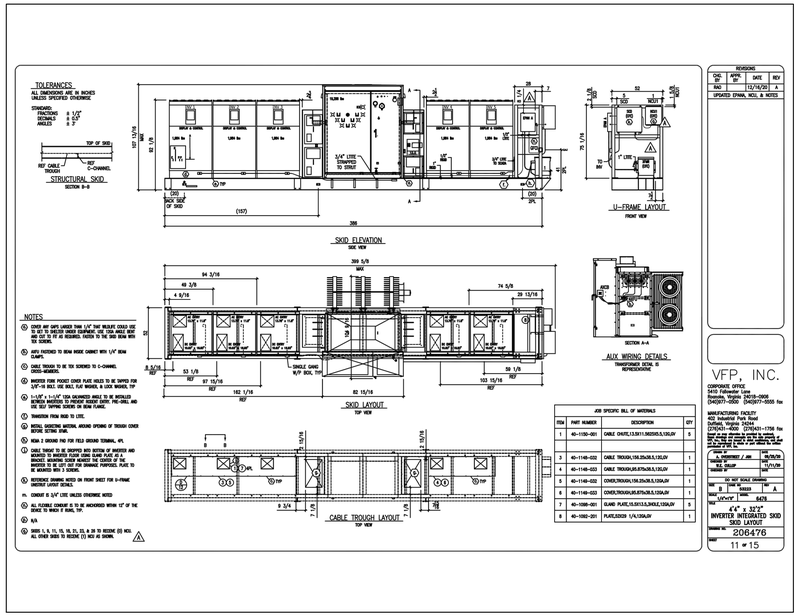

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TECHNICIAN: J. THOMAS
DESIGNER: N. CHAPP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: CONSTRUCTION DETAILS

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TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.
C2.32

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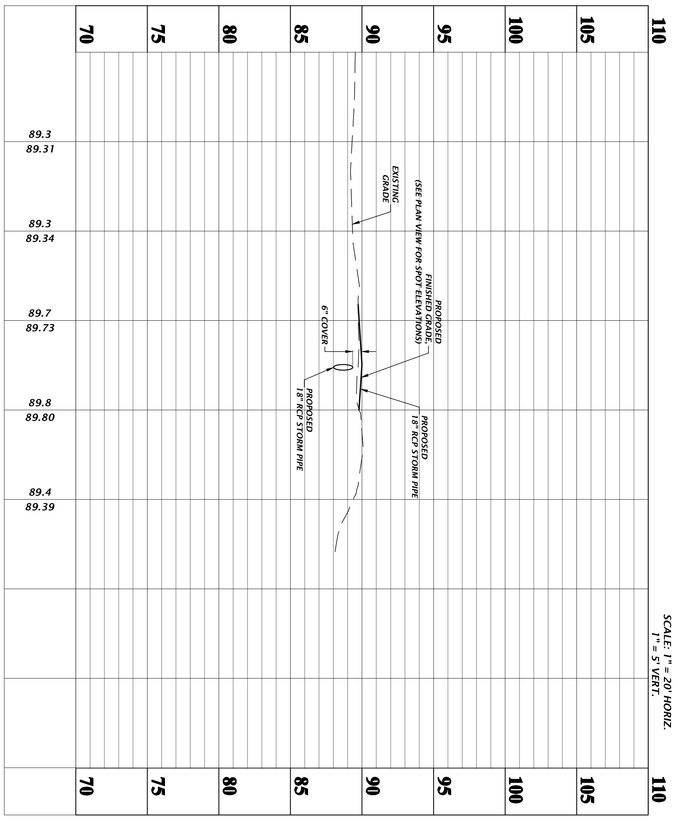

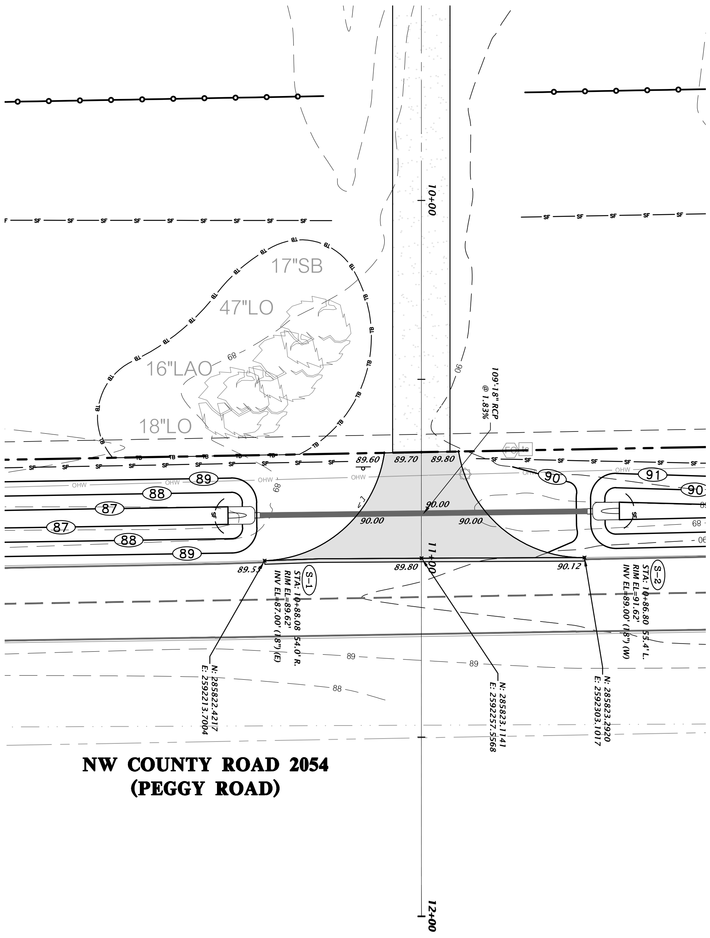

NW COUNTY ROAD 2054
(PEGGY ROAD)

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SHEET NO. C4.00	FL PE No. 84295	TECHNICIAN: J. THOMAS	CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC	SUBMITTALS: 08/31/23 - CITY OF ALACHUA AND SRWMD 09/13/23 - CITY OF ALACHUA AND SRWMD 12/21/23 - CITY OF ALACHUA 03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP 05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY	CONSTRUCTION/BID REVISIONS:
		DESIGNER: N. COWAP	PROJECT: PLEASANT SOLAR LLC		
		QUALITY CONTROL: T. HASTAY	SHEET TITLE: ENTRANCE PLAN AND PROFILE		
		PROJECT NUMBER: 21-0275			

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

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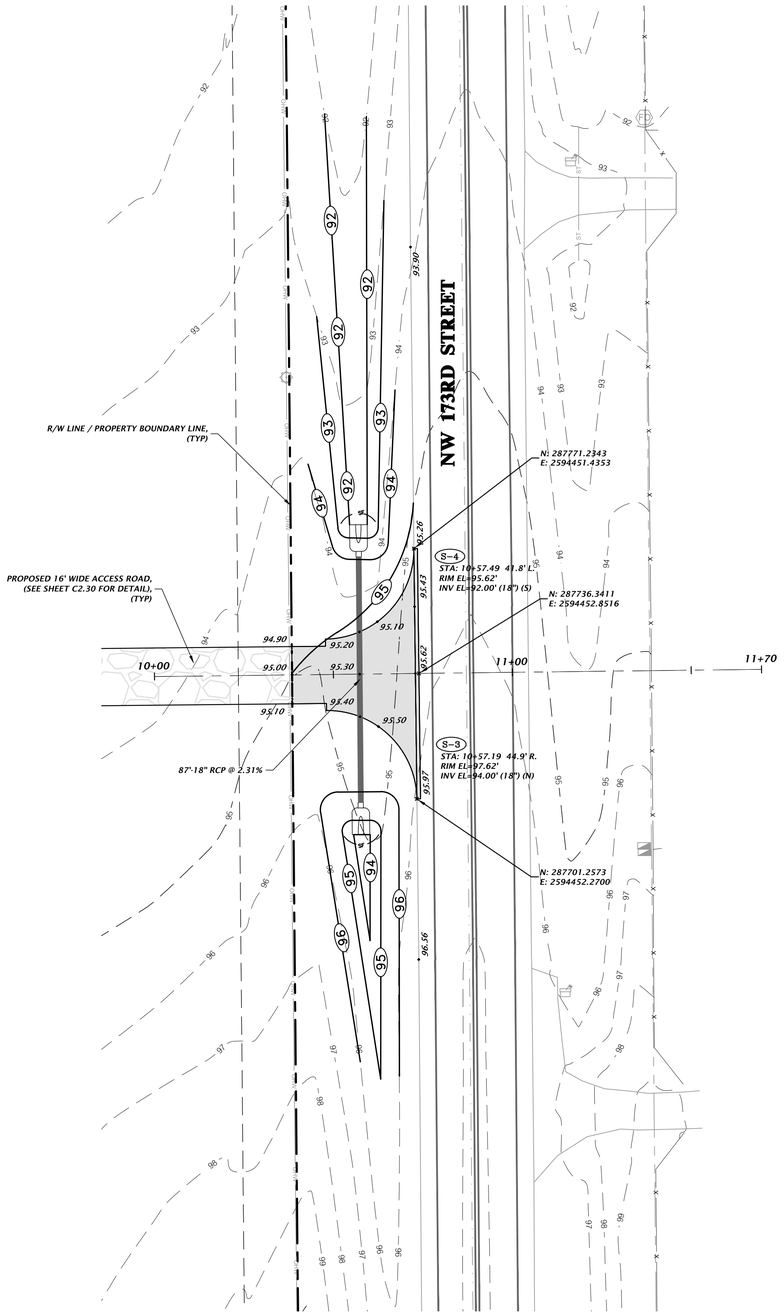

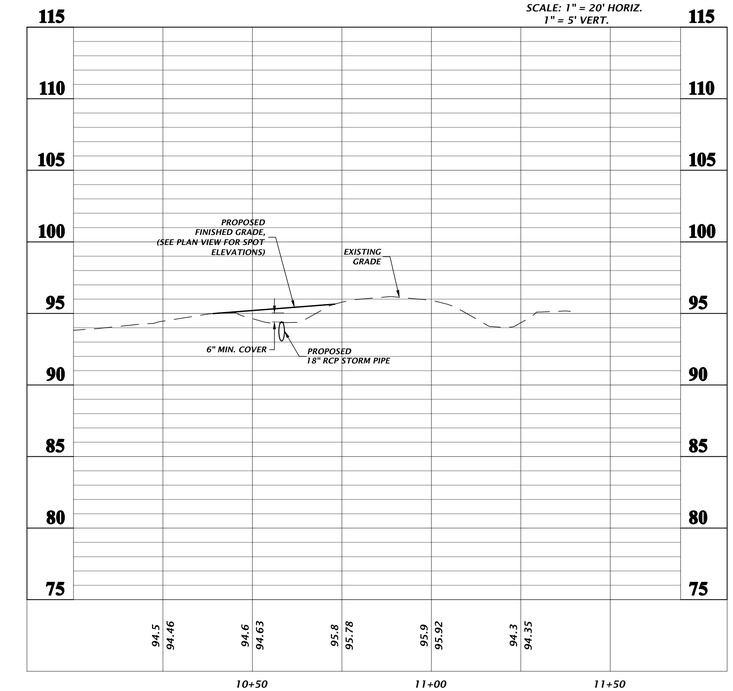

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CHW Professional Consultants

SCALE: 1"=20'

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: CEMETERY PLAN AND PROFILE

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C4.01

Tech: nicolas Plot Date: Apr 29,2024 1:50pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C4.00_Plan and Profile.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

PARCEL 1 DESCRIPTION:
(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

A TRACT OF LAND SITUATED IN THE SOUTH 1/2 OF SECTION 20, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 20 FOR A POINT OF REFERENCE AND RUN N.01°43'30"W., ALONG THE WEST LINE OF SAID SECTION 20, A DISTANCE OF 40.32 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID WEST LINE OF SECTION 20 WITH THE NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054 (80 FOOT RIGHT OF WAY) AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE N.01°43'30"W., ALONG SAID WEST LINE OF SECTION 20, A DISTANCE OF 2547.72 FEET TO A CONCRETE MONUMENT AT THE NORTHWEST CORNER OF THE AFOREMENTIONED SOUTH ½ OF SECTION 20; THENCE RUN N.89°48'16"E., ALONG THE NORTH LINE OF SAID SOUTH 1/2 , A DISTANCE OF 4989.78 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY RIGHT OF WAY LINE OF COUNTY ROAD 235A (100 FOOT RIGHT OF WAY); THENCE RUN S.00°14'05"W., ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 2239.68 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID WESTERLY RIGHT OF WAY LINE WITH THE AFOREMENTIONED NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054; THENCE RUN S.59°24;55"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 100.58 FEET TO A CONCRETE MONUMENT AT THE BEGINNING OF A CURVE CONCAVE NORTHWESTERLY, SAID CURVE HAVING A RADIUS OF 1869.86 FEET; THENCE RUN SOUTHWESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 30°23'36", AN ARC DISTANCE OF 991.89 FEET (CHORD BEARING AND DISTANCE OF S.74°36'43"W., 980.30 FEET RESPECTIVELY) TO A CONCRETE MONUMENT AT THE END OF SAID CURVE; THENCE RUN S.89°48'31"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 2591.89 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTHERLY RIGHT OF WAY LINE WITH THE EAST LINE OF THE WEST ½ OF THE SOUTHWEST ¼ OF SAID SECTION 20; THENCE RUN N.01°58'22"W., ALONG SAID EAST LINE, A DISTANCE OF 243.48 FEET TO A CONCRETE MONUMENT LOCATED 300.00 FEET NORTH OF THE SOUTH LINE OF SAID SECTION 20; THENCE RUN N.89°27'14"W., PARALLEL WITH SAID SOUTH LINE OF SECTION 20, A DISTANCE OF 150.00 FEET; THENCE RUN S.01°58'22"E., PARALLEL WITH SAID EAST LINE, A DISTANCE OF 245.42 FEET TO SAID NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054; THENCE RUN S.89°48'31"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 1096.30 FEET TO A STEEL ROD AND CAP AT THE BEGINNING OF A CURVE CONCAVE NORTHERLY, SAID CURVE HAVING A RADIUS OF 1869.86 FEET; THENCE RUN WESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 01°02'35", AN ARC DISTANCE OF 34.04 FEET (CHORD BEARING AND DISTANCE OF N.89°40'12"W., 34.04 FEET RESPECTIVELY) TO THE TRUE POINT OF BEGINNING, LESS AND EXCEPT ONE ACRE RESERVED THEREIN FOR GRAVEYARD.

SAID ONE ACRE RESERVED FOR GRAVEYARD BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 20 FOR A POINT OF REFERENCE AND RUN N.01°43'30"W., ALONG THE WEST LINE OF SAID SECTION 20, A DISTANCE OF 2588.04 FEET TO A CONCRETE MONUMENT AT THE NORTHWEST CORNER OF THE AFOREMENTIONED SOUTH ½ OF SECTION 20, THENCE RUN N.89°48'16"E., ALONG THE NORTH LINE OF SAID SOUTH 1/2 , A DISTANCE OF 4989.78 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY RIGHT OF WAY LINE OF COUNTY ROAD 235A (100 FOOT RIGHT OF WAY); THENCE RUN S.00°14'05"W., ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 501.38 FEET; THENCE RUN N.89°45'54"W., A DISTANCE OF 405.49 FEET TO A STEEL ROD AND CAP AT THE TRUE POINT OF BEGINNING OF GRAVEYARD PARCEL; THENCE RUN S.00°14'06"W., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN N.89°45'54"W., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN N.00°14'06"E., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN S.89°45'54"E., A DISTANCE OF 208.71 FEET TO THE TRUE POINT OF BEGINNING.

AND BEING THE SAME PROPERTY CONVEYED TO WACO, INC., QUALIFIED TO DO BUSINESS IN FLORIDA AS WACO OF ALABAMA, INC., AN ALABAMA CORPORATION FROM INTERNATIONAL BUSINESS MACHINES CORPORATION, A NEW YORK CORPORATION BY SPECIAL WARRANTY DEED DATED NOVEMBER 10, 1997 AND RECORDED NOVEMBER 18, 1997 IN DEED BOOK 2140, PAGE 1837.; SAID WACO, INC, AN ALABAMA CORPORATION MERGED INTO WADE ALABAMA CORPORATION, A FLORIDA CORPORATION; AND SAID WACO OF ALABAMA, INC, AN ALABAMA CORPORATION MERGED INTO WADE ALABAMA CORPORATION, AN ALABAMA CORPORATION, AND SAID WADE ALABAMA CORPORATION, AN ALABAMA CORPORATION CHANGED ITS NAME TO WACO OF ALABAMA, INC., A FLORIDA CORPORATION, AND SAID WACO OF ALABAMA, INC, A FLORIDA CORPORATION CHANGED ITS NAME TO WACO PROPERTIES, INC, A FLORIDA CORPORATION.

TAX PARCEL NO. 03894-000-000

PARCEL 2 DESCRIPTION:
(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) IN SECTION 20, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA. LESS ROAD RIGHT-OF-WAY AS PER DEED RECORDED IN OFFICIAL RECORDS BOOK 103, PAGE 432 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. ALSO LESS THE NORTH 40 FEET FOR COUNTY ROAD RIGHT-OF-WAY PER OFFICIAL RECORDS BOOK 880, PAGE 168, PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.

AND BEING THE SAME PROPERTY CONVEYED TO GARY D. BROWN, AS TRUSTEE OF THE GARY D. BROWN REVOCABLE TRUST DATED JANUARY 23, 2004, AS TO AN UNDIVIDED 25% INTEREST AND LINDA WEIDNER, AS TO AN UNDIVIDED 25% INTEREST AND JOANNE ALSPAUGH, AS TO AN UNDIVIDED 25% INTEREST; AND HENDERSON BROTHERS, INC., AS TO AN UNDIVIDED 25% INTEREST, AS TENANTS IN COMMON FROM WILLIAM R. SABIS BY WARRANTY DEED DATED MAY 17, 2005 AND RECORDED MAY 27, 2005 IN DEED BOOK 3133, PAGE 24.

TAX PARCEL NO. 03898-000-000

PARCEL 3 DESCRIPTION: (NAMED BY THIS SURVEYOR)
(PER OFFICIAL RECORDS BOOK 5052, PAGES 1905 THROUGH 1908)

THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA.

LESS AND EXCEPT THE RIGHT OF WAY FOR COUNTY ROAD 235-A (NW 173RD STREET) (100 FOOT RIGHT OF WAY).

ALSO LESS AND EXCEPT THE FOLLOWING DESCRIBED LANDS:

COMMENCE AT THE SOUTHEAST CORNER OF THE AFOREMENTIONED SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST FOR THE POINT OF REFERENCE AND RUN N 88°31'04" W, A DISTANCE OF 50.01 FEET TO A 6" X 6" CONCRETE MONUMENT (R/W SRD) AT THE NORTHEAST CORNER OF THAT CERTAIN PARCEL OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 2847, PAGE 248 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA; SAID PARCEL OF LAND BEING HEREINAFTER REFERRED TO AS THE "HURST" PARCEL, AND THE TRUE POINT OF BEGINNING OF THIS EXCEPTION PARCEL; THENCE RUN N 88°32'30" W, A DISTANCE OF 249.77 FEET TO A CONCRETE MONUMENT (NO IDENTIFICATION) AT THE N.W. CORNER OF SAID "HURST" PARCEL; THENCE RUN S 00°01'50" W, ALONG THE WEST LINE OF SAID "HURST" PARCEL, A DISTANCE OF 9.59 FEET TO THE SOUTH LINE OF SAID SECTION 17; THENCE RUN S 89°29'03" W, ALONG THE SOUTH LINE OF SAID SECTION 17, A DISTANCE OF 249.69 FEET TO THE WEST RIGHT OF WAY LINE OF THE AFOREMENTIONED COUNTY ROAD 235-A; THENCE RUN N00°14'48" E, ALONG SAID WEST RIGHT OF WAY LINE, A DISTANCE OF 1.00 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL 4 DESCRIPTION: (NAMED BY THIS SURVEYOR)
(PER OFFICIAL RECORDS BOOK 5052, PAGES 1905 THROUGH 1908)

THAT PART OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, LYING WEST OF THE RIGHT OF WAY FOR STATE ROAD NO. S-235-A.

LESS:
THAT PART OF THE NORTH 495.15 FEET OF THE SOUTH 1787.40 FEET OF THE EAST 345.15 FEET OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, LYING WITHIN THE SOUTH 1/2 OF THE SOUTHEAST 1/4.

ALSO LESS: (BY THIS SURVEYOR)
THE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 1570, PAGE 2803, OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.

PARCEL 5 DESCRIPTION: (NAMED BY THIS SURVEYOR)
(PER OFFICIAL RECORDS BOOK 5052, PAGES 1905 THROUGH 1908)

A TRACT OF LAND SITUATED IN SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT A NAIL AND DISK AT THE SOUTHEAST CORNER OF THE AFOREMENTIONED SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST FOR THE POINT OF REFERENCE AND RUN N. 00°14'56" E., ALONG THE EAST LINE OF SAID SECTION 17, A DISTANCE OF 1288.06 FEET; THENCE RUN N. 89°52'40" E., A DISTANCE OF 654.41 FEET TO A POINT ON THE WEST LINE OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 17, SAID POINT BEING 16.18 FEET SOUTH OF THE NORTHWEST CORNER OF SAID NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17, SAID POINT ALSO BEING, THE TRUE POINT OF BEGINNING OF THE LANDS HEREIN DESCRIBED; THENCE RUN S. 00°12'08" W., ALONG SAID WEST LINE, A DISTANCE OF 639.35 FEET TO THE SOUTHWEST CORNER OF SAID NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 17; THENCE RUN S. 89°30'54" W., ALONG THE SOUTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 17 AND A WESTERLY PROJECTION THEREOF, A DISTANCE OF 688.36 FEET; THENCE RUN N. 00°34'12" E., A DISTANCE OF 646.67 FEET TO A CONCRETE MONUMENT; THENCE RUN S. 89°52'40" E., A DISTANCE OF 684.17 FEET TO THE TRUE POINT OF BEGINNING, CONTAINING 10.130 ACRES MORE OR LESS.

PARCEL 6 DESCRIPTION: (NAMED BY THIS SURVEYOR)
(PER OFFICIAL RECORDS BOOK 5052, PAGES 1905 THROUGH 1908)

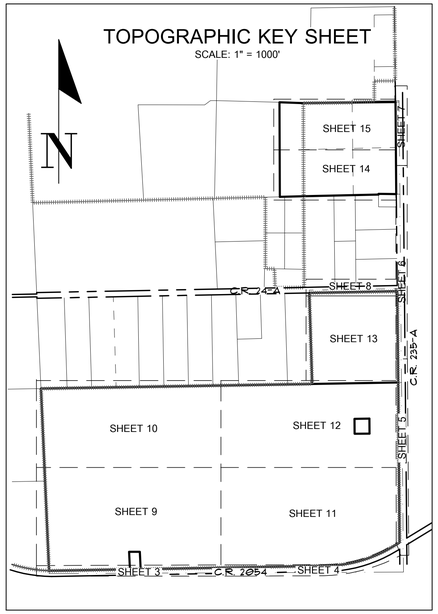
A TRACT OF LAND SITUATED IN SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

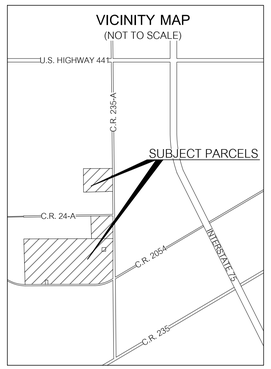
COMMENCE AT A NAIL AND DISK AT THE SOUTHEAST CORNER OF THE AFOREMENTIONED SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST FOR THE POINT OF REFERENCE AND RUN S. 89°31'27" W., ALONG THE SOUTH LINE OF SAID SECTION 17, A DISTANCE OF 653.41 FEET TO THE SOUTHEAST CORNER OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 17 AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE S. 89°31'27" W., ALONG SAID SOUTH LINE, A DISTANCE OF 692.57 FEET TO A CONCRETE MONUMENT; THENCE RUN N. 00°34'12" E., A DISTANCE OF 655.48 FEET TO THE INTERSECTION WITH THE WESTERLY PROJECTION OF THE NORTH LINE OF THE SAID SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17; THENCE RUN N.89°30'54" E., ALONG SAID WESTERLY PROJECTION AND ALONG SAID NORTH LINE, A DISTANCE OF 688.36 FEET TO THE NORTHEAST CORNER OF SAID SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4; THENCE RUN S. 00°12'08" W., ALONG THE EAST LINE OF SAID SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, A DISTANCE OF 655.53 FEET TO THE TRUE POINT OF BEGINNING, CONTAINING 10.389 ACRES MORE OR LESS.

PARCEL 7 DESCRIPTION: (NAMED BY THIS SURVEYOR)
(PER OFFICIAL RECORDS BOOK 5052, PAGES 1903 THROUGH 1904)

A TRACT OF LAND SITUATED IN SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST FOR THE POINT OF REFERENCE AND RUN N. 89°31'27" E., ALONG THE SOUTH LINE OF SAID SECTION 17, A DISTANCE OF 3452.43 FEET TO THE SOUTHEAST CORNER OF THE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 2436, PAGE 263 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA AND THE TRUE POINT OF BEGINNING; THENCE RUN N. 00°34'12" E., A DISTANCE OF 1320.48 FEET TO THE NORTHEAST CORNER OF SAID LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 2436, PAGE 263, SAID NORTHEAST CORNER IS LOCATED ON THE SOUTH LINE OF THE 46.712 ACRE TRACT OF LAND DESCRIBED IN OFFICIAL RECORD BOOK 2228, PAGE 1974 OF SAID PUBLIC RECORDS; THENCE RUN S. 87°18'58" E., ALONG SAID SOUTH LINE, A DISTANCE OF 332.45 FEET TO THE NORTHWEST CORNER OF LANDS DESCRIBED IN OFFICIAL RECORD BOOK 1570, PAGE 2801 OF SAID PUBLIC RECORDS; THENCE RUN S. 00°34'12" W., A DISTANCE OF 1302.15 FEET TO THE SOUTHWEST CORNER OF LANDS DESCRIBED IN OFFICIAL RECORD BOOK 1619, PAGE 273 OF SAID PUBLIC RECORDS, SAID SOUTHWEST CORNER IS LOCATED ON THE SOUTH LINE OF AFOREMENTIONED SECTION 17; THENCE RUN S. 89°31'27" W., ALONG SAID SOUTH LINE OF SECTION 17, A DISTANCE OF 332.27 FEET TO THE TRUE POINT OF BEGINNING, CONTAINING 10.001 ACRES MORE OR LESS.





ACREAGE TABLE	
PARCEL(S) #	ACRES ±
1	285.939
2	35.556
3 - 7 (COMBINED)	48.389
ALL	369.884

ZONING RESTRICTIONS:
PARCEL 1
ZONE: RSF-4 (RESIDENTIAL SINGLE FAMILY - 4)

BUILDING SETBACKS:
FRONT = 15 FEET
GARAGE FRONT = 20 FEET
SIDE (STREET) = 10 FEET
REAR = 15 FEET

MAXIMUM BUILDING HEIGHT: 35 FEET

PARCELS 2 - 7
ZONE: A (AGRICULTURE)

BUILDING SETBACKS:
FRONT = 40 FEET
SIDE (STREET) = 40 FEET
SIDE (INTERIOR) = 20 FEET
REAR = 40 FEET

MAXIMUM BUILDING HEIGHT: UNLIMITED

FLOOD ZONE:
THIS PROPERTY IS LOCATED IN FEDERAL FLOOD ZONE "X", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS INTERPOLATED FROM F.I.R.M. PANEL NO. 12001C0120D, EFFECTIVE DATE: JUNE 16, 2006.

SCHEDULE B-II EXCEPTIONS:
(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

ITEM # 8: PARCEL 1 IS NOT SUBJECT TO THE EASEMENT IN FAVOR OF STATE OF FLORIDA, RECORDED ON OCTOBER 17, 1960 IN DEED BOOK 114, PAGE 427. (EASEMENT IS OFFSITE AND DOES BENEFIT THE SUBJECT PARCEL. NOT SHOWN HEREON)

ITEM # 9: PARCEL 1 IS NOT SUBJECT TO THE 80 FOOT WIDE STRIP OF LAND CONVEYED IN WARRANTY DEED FROM W. D. POPE, JR. AND JAMES A. LEWIS TO ALACHUA COUNTY, RECORDED ON OCTOBER 14, 1977 IN DEED BOOK 1096, PAGE 575. (THE STRIP FALLS INSIDE THE RIGHT OF WAY FOR COUNTY ROAD 2054 ALSO KNOWN AS PEGGY ROAD, AS SHOWN HEREON)

ITEM # 10: PARCEL 1 MAY NOT BE SUBJECT TO THE MINERAL DEED TO W. H. WELLBORN AND HILLARY WELLBORN, DATED NOVEMBER 21, 1996 AND RECORDED JANUARY 6, 1997 IN DEED BOOK 2094, PAGE 476. (WACO PROPERTIES, INC. PURCHASING W.H. WELLBORN AND HILLARY WELLBORN'S INTEREST IN SAID LANDS. RECORDED IN O.R.B. 3433, PG. 1149.)

TEM # 11: PARCEL 1 IS SUBJECT TO THE EASEMENT GRANTED TO CLAY ELECTRIC COOPERATIVE, INC. BY INSTRUMENT RECORDED IN BOOK 2277, PAGE 757. (AS SHOWN HEREON)

ITEM # 12: PARCEL 2 IS NOT SUBJECT TO THE EASEMENT IN FAVOR OF CLAY ELECTRIC COOPERATIVE, INC. RECORDED IN BOOK 2277, PAGE 760. (EASEMENT WAS RELEASED. THERE POWER POLES ALONG THE EASTERN SIDE OF PARCEL 2. SEE SURVEYOR'S NOTE 19)

ITEM # 13: PARCEL 2 IS SUBJECT TO THE EASEMENT IN FAVOR OF THE STATE OF FLORIDA RECORDED IN BOOK 103, PAGE 414. (AS SHOWN HEREON)

ITEM # 14: PARCEL 2 IS PARTIALLY SUBJECT TO THE EASEMENT IN FAVOR OF STATE OF FLORIDA, RECORDED ON JULY 12, 1960 IN DEED BOOK 103, PAGE 432. (AS SHOWN HEREON)

ITEM # 15: PARCEL 1 IS NOT SUBJECT TO THE RIGHT OF WAY, 100 FEET IN WIDTH, IN FAVOR OF INTERNATIONAL BUSINESS MACHINES CORPORATION, A NEW YORK CORPORATION SET FORTH IN INSTRUMENT RECORDED ON MAY 15, 1981 IN DEED BOOK 1346, PAGE 680. (100' RIGHT OF WAY FALLS SOUTH OF PEGGY ROAD. NOT SHOWN HEREON)

ITEM # 18: PARCEL 1 IS SUBJECT TO THE RESERVATION OF ONE ACRE IN NE 1/4 OF SW 1/4 AND N 1/2 OF SE 1/4 OF SECTION 20-8-18 FOR CATHGART GRAVEYARD, RECORDED IN DEED BOOK 68, PAGE 632, OF THE PUBLIC RECORDS OF ALACHUA COUNY, FLORIDA. (AS SHOWN HEREON)

ITEM # 19: PARCEL 1 MAY NOT BE SUBJECT TO THE MINERAL RIGHT AND ROYALTY TRANSFER OF UNDIVIDED ONE-HALF INTEREST BY J.H. DAVIS AND ALLIE L. DAVIS, HIS WIFE, TO W.R. MOSELY, DATED SEPTEMBER 13, 1944, RECORDED IN MISCELLANEOUS BOOK 32, PAGE 94, OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. (WACO PROPERTIES, INC. MADE SEVERAL PURCHASES FOR THE RIGHTS AND INTEREST IN SAID LANDS. RECORDED IN O.R.B. 3433, PG. 1148, O.R.B. 3433, PG. 1150.)

SURVEYOR'S NOTES:
1. BEARINGS SHOWN HEREON ARE BASED ON STATE PLANE FLORIDA NORTH ZONE 83/86 DATUM PROJECTED FROM ALACHUA COUNTY DENSIFICATION SURVEY 1988 - RECOVERED TRAVERSE CONTROL POINTS #4602 & 4603.
2. THERE IS A BEARING DIFFERENCE BETWEEN PARCEL ONE (1) AND THE MEASURED BEARINGS SHOWN HEREON. ROTATE THE DEED BEARINGS 00°46'48" COUNTER CLOCKWISE TO MATCH MEASURED BEARINGS. THERE IS A BEARING DIFFERENCE BETWEEN PARCELS 3, 4, 5, 6, AND 7 AND THE MEASURED BEARINGS SHOWN HEREON. ROTATE THE DEED BEARINGS 00°32'13" COUNTER CLOCKWISE TO MATCH MEASURED BEARINGS.
3. NO UNDERGROUND INSTALLATION OF UTILITIES OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
4. THE SURVEYOR HAS NO KNOWLEDGE OF UNDERGROUND FOUNDATIONS WHICH MAY ENCROACH.
5. INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY, AND OR OWNERSHIP WERE FURNISHED TO THIS SURVEYOR FOR PARCEL 1 & PARCEL 2, PER FIDELITY NATIONAL TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022, FIRST AMERICAN TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 21-0351.7 KNQ, DATED APRIL 6, 2021. SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN DONE BY THE SURVEYOR.
5. INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY, AND OR OWNERSHIP WERE NOT FURNISHED TO THIS SURVEYOR FOR PARCELS 3, 4, 5, 6, & 7. SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN DONE BY THE SURVEYOR.
6. IT IS IN THE OPINION OF THIS SURVEYOR THAT PARCEL 4 LEGAL DESCRIPTION SHOULD INCLUDE ALSO LESS THE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 1570, PAGE 2803, OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.
7. INFORMATION FROM FEDERAL EMERGENCY MANAGEMENT AGENCY, (F.E.M.A.) FLOOD INSURANCE RATE MAP(S), SHOWN ON THIS MAP WAS CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.
8. FENCES, SYMBOLS, MONUMENTATION AND UTILITIES SHOWN HEREON MAY BE EXAGGERATED FOR PICTORIAL PURPOSES ONLY AND MAY NOT BE SHOWN TO SCALE.
9. IN THE OPINION OF THIS SURVEYOR, THE PERIMETER LINES AS SHOWN HEREON REPRESENT THE LOCATION OF THE BOUNDARY LINES OF THE SUBJECT PARCEL IN RELATION TO THE DESCRIPTION OF RECORD AND THOSE EXISTING LAND CORNERS FOUND TO BE ACCEPTABLE BY THIS SURVEYOR. ALL FEATURES SHOWN HEREON WERE LOCATED AND MAPPED UNDER THE RESPONSIBLE CHARGE OF THIS SURVEYOR.
10. VERTICAL INFORMATION SHOWN HEREON IS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD). ELEVATIONS SHOWN HEREON WERE DERIVED FROM NATIONAL GEODETIC SURVEY BENCHMARK NUMBER C 51 (PID AR0286), BEING A STANDARD COAST AND GEODETIC SURVEY DISK IN CONCRETE POST LOCATED IN THE VICINITY OF ALACHUA COUNTY ROAD 2054, AND MAIN STREET, WITH A PUBLISHED ELEVATION OF 75.14 FEET (NAVD 88).
11. ADDITIONAL POINTS MAY BE FOUND BY TURNING ON THE SV - NODE* LAYERS IN THE SUPPLIED DIGITAL FILE.
12. THERE ARE ZERO STRIPED PARKING SPACES ON THE SUBJECT PARCEL.
13. THERE WAS NO OBSERVED RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS DURING THE PROCESS OF CONDUCTING THE FIELDWORK.
14. A ZONING REPORT WAS NOT FURNISHED TO THIS SURVEYOR. ZONING INFORMATION SHOWN HEREON IS BASED ALACHUA COUNTY MUNICODE DATED: JANUARY 9TH, 2023.
15. THERE ARE NO KNOWN PROPOSED CHANGES IN STREET RIGHT OF WAYS. THERE WAS NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS DURING THE PROCESS OF CONDUCTING THE FIELD WORK.
16. IT IS THIS SURVEYOR'S OPINION THAT THERE IS A SCRIVENERS ERROR FOR PARCEL 3 (NAMED BY THIS SURVEYOR) IN OFFICIAL RECORDS BOOK 5052, PAGES 1905 THROUGH 1908, OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. SAID SCRIVENERS ERROR BEING THE FOURTH BEARING CALL OF "S 89°29'03" W". THE CORRECT BEARING SHOULD READ "N 89°29'03" E".
17. TREES SHOWN HEREON WERE MEASURED BY DIAMETER AT BREAST HEIGHT (DBH). TREES WITHIN THE CITY OF ALACHUA MUNICIPAL BOUNDARY AND WITHIN PUBLIC RIGHT OF WAYS ARE LABELED BY DBH AND COMMON NAME ABBREVIATION. FULL NAMES COMMON NAME ABBREVIATIONS CAN BE FOUND IN THE LEGEND. TREES OUTSIDE OF THE CITY OF ALACHUA MUNICIPAL BOUNDARY AND PUBLIC RIGHT OF WAYS ARE LABELED BY THE POINT NUMBER THAT SAID TREE WAS TAGGED WITH. INFORMATION OF THE TREES LABELED BY POINT NUMBER CAN BE FOUND IN THE TREE TABLE CHART ON SHEET SIXTEEN (16).
18. THE EASEMENT TO THE FLORIDA POWER CORPORATION RECORDED IN DEED BOOK 333, PAGE 282 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA ONLY COVERS THAT PORTION OF THE SUBJECT PROPERTY CONTAINED WITHIN THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17.
19. THE OVERHEAD UTILITY LINE ALONG THE EASTERN EDGE OF PARCEL 2 IS ENCROACHING. THERE WAS NO EASEMENT FOR THIS OVERHEAD UTILITY FURNISHED TO THIS SURVEYOR.
20. THIS SURVEY CONSISTS OF NINETEEN (19) SHEETS AND IS NOT COMPLETE WITHOUT ALL SHEETS. SEE SHEET ONE (1) FOR DESCRIPTIONS, SCHEDULE B-II EXCEPTIONS, VICINITY MAP, TOPOGRAPHIC KEY SHEET, LEGEND, FLOOD ZONE INFORMATION, ZONING INFORMATION, SURVEYOR'S CERTIFICATE AND COMPLETE SURVEYOR'S NOTES. SEE SHEET TWO (2) FOR DETAILED BOUNDARY INFORMATION. SEE SHEETS THREE (3) THROUGH FIFTEEN (15) FOR DETAILED TOPOGRAPHIC INFORMATION. SEE SHEETS SIXTEEN (16) THROUGH NINETEEN (19) FOR TREE TABLE CHART.

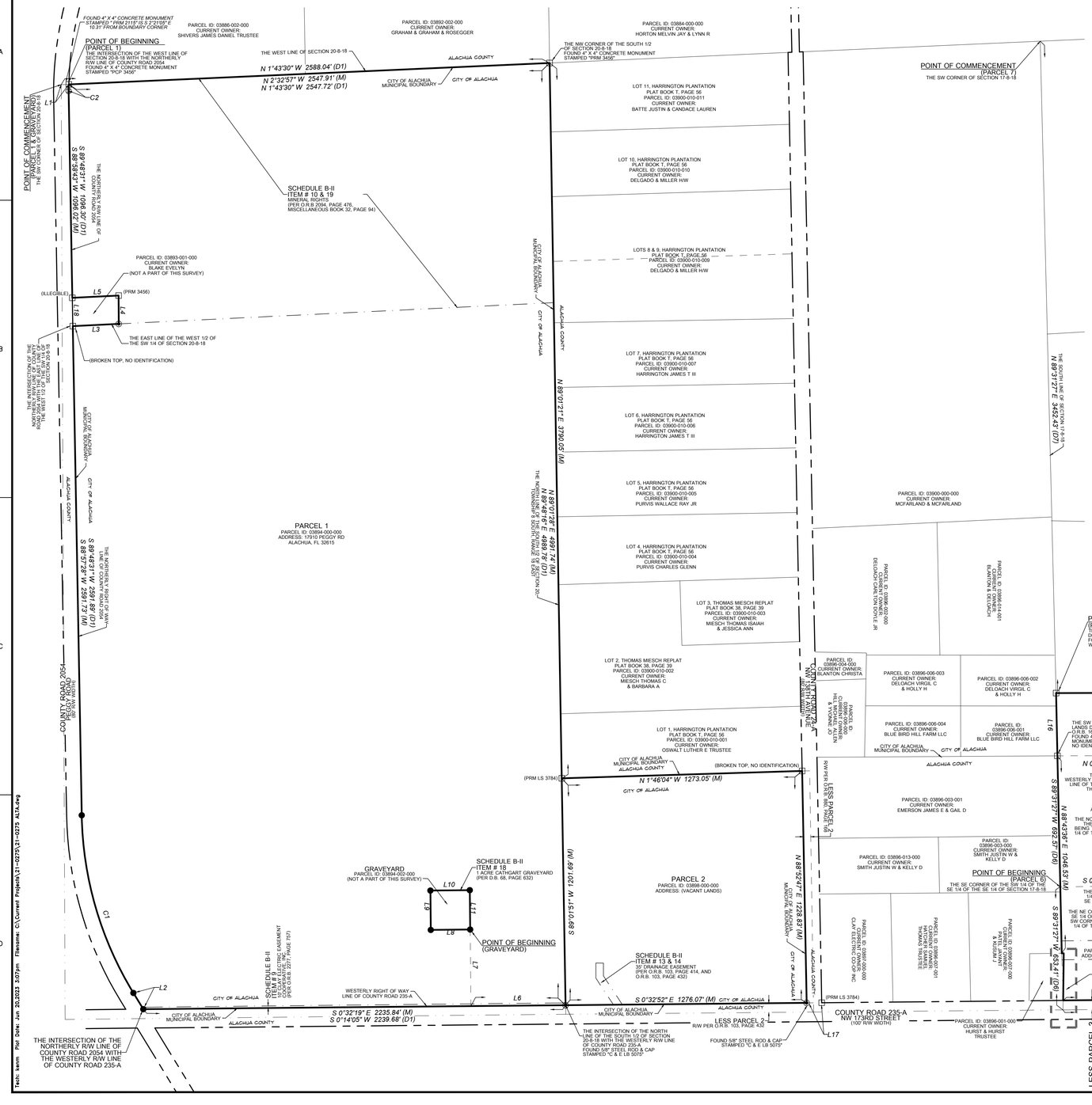
LEGEND:
- = BENCHMARK
- = FOUND 4"X4" CONCRETE MONUMENT (MARKED AS NOTED)
- = FOUND 5/8" IRON ROD (MARKED AS NOTED)
- = FOUND 5/8" STEEL REBAR & CAP (MARKED AS NOTED)
- = SET 5/8" STEEL REBAR AND CAP MARKED "CHW INC LB 5075"
- = SET 1/2" STEEL REBAR & CAP STAMPED "WITNESS LB 5075"
- = CONCRETE POWER POLE
- = WOODEN POWER POLE
- = GUY POLE
- = GUY ANCHOR
- = TRAFFIC SIGNAL POLE
- = ELECTRIC METER
- = TELEPHONE JUNCTION BOX
- = TELEPHONE LINE MARKER
- = TELEPHONE PEDESTAL
- = FIBER OPTIC LINE MARKER
- = WATER LINE MARKER
- = WATER VALVE
- = WATER METER
- = FIRE HYDRANT
- = MAILBOX
- = TREE (SIZE AND TYPE AS NOTED)
- = SIGN
- = PROPANE TANK
- = ROADWAY PAVEMENT MARKINGS
- = BOUNDARY LINE
- = ADJOINER PROPERTY LINE
- = EASEMENT LINE
- = SECTION LINE
- = MATCH LINE
- = CITY OF ALACHUA MUNICIPAL BOUNDARY
- = OVERHEAD WIRE
- = FENCE (SIZE AND TYPE AS NOTED)
- = GUARD RAIL
- = STORM SEWER LINE
- = CONTOUR LINE
- = ASPHALT PAVEMENT SURFACE
- = ASPHALT MILLINGS SURFACE
- = CONCRETE SURFACE
- = LIME ROCK / DIRT SURFACE

ABBREVIATIONS :

(D1) =	DATA BASED ON PARCEL 1 DESCRIPTION
(D3) =	DATA BASED ON PARCEL 3 DESCRIPTION
(D5) =	DATA BASED ON PARCEL 5 DESCRIPTION
(D6) =	DATA BASED ON PARCEL 6 DESCRIPTION
(D7) =	DATA BASED ON PARCEL 7 DESCRIPTION
(M) =	DATA BASED ON FIELD MEASUREMENTS
O.R.B. =	OFFICIAL RECORDS BOOK
D.B. =	DEED BOOK
R/W =	RIGHT OF WAY
NE =	NORTHEAST
SE =	SOUTHEAST
SW =	SOUTHWEST

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA



CURVE DATA TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C1(M)	991.89'	1869.86'	30°23'36"	507.91'	980.30'	N 74°36'16" E
C1(D1)	991.89'	1869.86'	30°23'36"	------	980.30'	N 74°36'43" E
C2(D1)	34.04'	1869.86'	1°02'35"	17.02'	34.04'	S 89°40'12" E
C2(M)	34.37'	1869.86'	1°03'12"	17.19'	34.39'	S 88°56'59" E

LINE DATA TABLE		
LINE	DIRECTION	LENGTH
L1(D1)	N 1°43'30" W	40.32'
L2(M)	S 58°35'28" W	100.58'
L2(D1)	S 59°24'56" W	100.58'
L3(D1)	N 1°58'22" W	243.46'
L3(M)	N 2°47'30" W	243.45'
L4(M)	S 89°46'49" W	149.92'
L4(D1)	N 89°27'14" W	150.00'
L5(M)	S 2°44'34" E	245.34'
L5(D1)	S 1°58'22" E	245.42'
L6(D1)	S 0°14'05" W	501.38'
L7(D1)	S 89°45'54" E	405.49'
L8(M)	S 0°35'22" E	208.71'
L8(D1)	N 0°14'06" E	208.71'
L9(M)	N 89°24'38" E	208.71'
L9(D1)	S 89°45'54" E	208.71'
L10(M)	S 0°35'22" E	208.71'
L10(D1)	N 0°14'06" E	208.71'
L11(M)	N 89°24'38" E	208.71'
L11(D1)	S 89°45'54" E	208.71'
L12(M)	N 89°09'39" W	50.39'
L12(D3)	N 88°31'04" W	50.01'
L13(M)	N 0°57'09" W	10.23'
L13(D3)	S 0°01'50" W	9.59'
L14(D3)	N 0°14'48" E	1.00'
L15(M)	S 88°00'56" E	332.60'
L15(D7)	S 87°18'58" E	332.45'
L16(M)	S 88°45'53" W	332.33'
L16(D7)	S 89°31'27" W	332.27'
L17(M)	N 83°36'23" E	79.92'
L18(M)	N 89°03'23" E	150.06'

GRAPHIC SCALE

0 150 300 600

SURVEYOR'S NOTES:

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REVISION 05/15/2023: UPDATED EXCEPTIONS.
REVISION 04/19/2023: UPDATED SURVEYORS NOTES.

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SCALE: 1" = 300'
VERIFY SCALE BAR IS CORRECT ON PLOTTED DRAWING
0 300 600 1200
IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY.

SURVEY DATE: 03/17/2023
REVISION DATE: 05/15/2023
PROJECT NUMBER: 21-0275
TECHNICIAN: KWM
CREW CHIEF: JDC
CHECKED BY: CAC
FIELD BOOK & PAGE: 668 (1-110, 15-22, 43, 47 & 51-53)

CERTIFIED TO:

CHAD A. COLSON
Professional Surveyor & Mapper Fla. License No. 7142
SEE SHEET ONE OF NINETEEN

This map prepared by:
Certificate of Authorization No. L.B. 5075
IT IS A VIOLATION OF FLORIDA LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A FLORIDA LICENSED SURVEYOR AND MAPPER, TO ALTER IN ANY WAY, ANY SURVEY MAP OR REPORT BEARING THE SIGNATURE AND/OR THE EMBOSSED SURVEYING AND MAPPING BUSINESS OF THE SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES. THE SIGNATURE AND ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER APPEARS ON THE SURVEY MAP AND REPORT.

SHEET NO.: 2 OF 19

Tech: kevin Plot Date: Jun 20,2023 3:07pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

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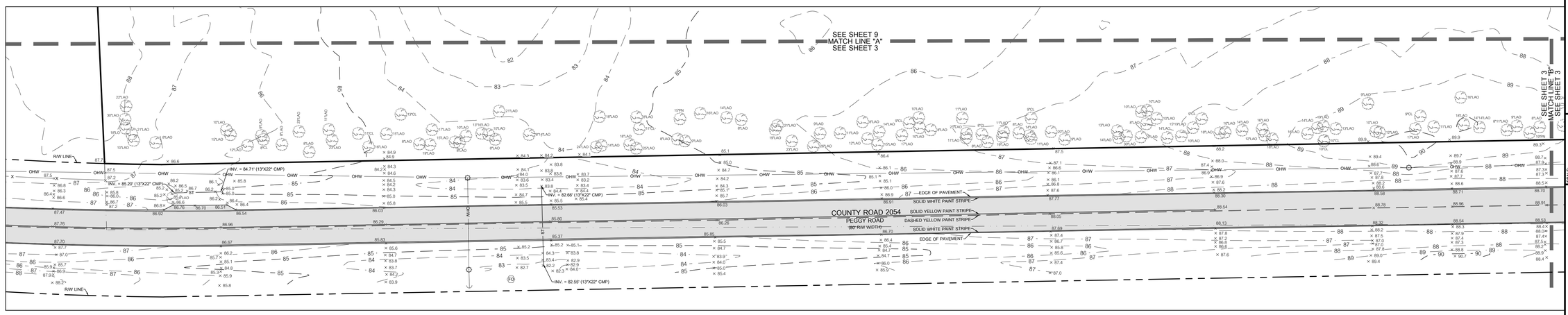
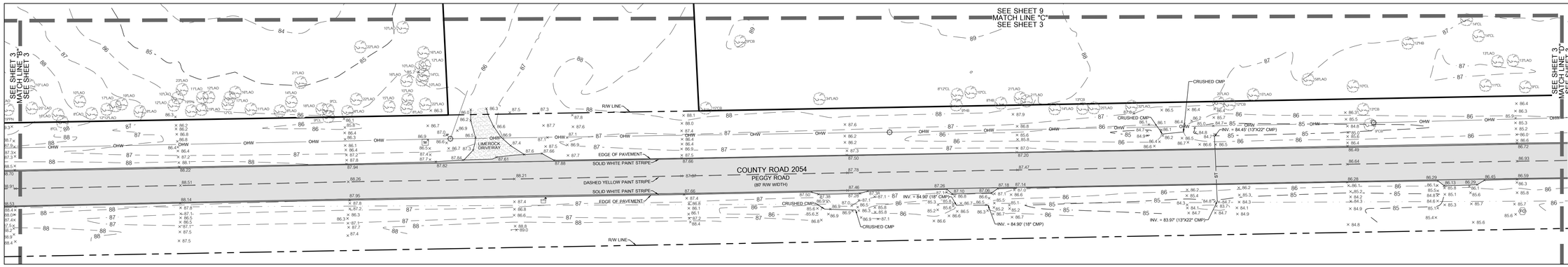
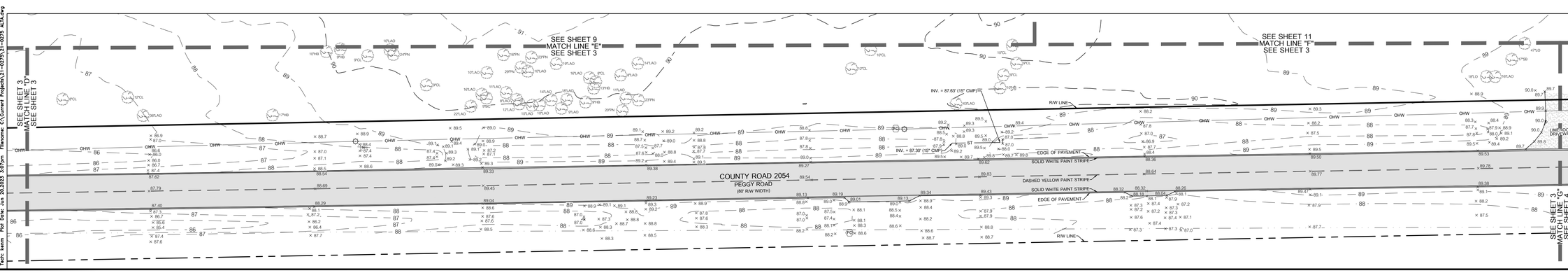
GRAPHIC SCALE

0 15 30 60

N







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CERTIFIED TO:

SEE SHEET ONE OF NINETEEN

SURVEY DATE:	03/17/2023
REVISION DATE:	04/19/2023
PROJECT NUMBER:	21-0275

REVISION 04/19/2023: EDITED NOTE

TECHNICIAN:	KWM
CREW CHIEF:	JW
CHECKED BY:	CAC
FIELD BOOK & PAGE:	669 / 1-10, 15-22, 43, 47 & FILE

CHAD A. COLSON

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Tech: kenm Plot Date: Jun 20,2023 3:07pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

SURVEYOR'S NOTES:

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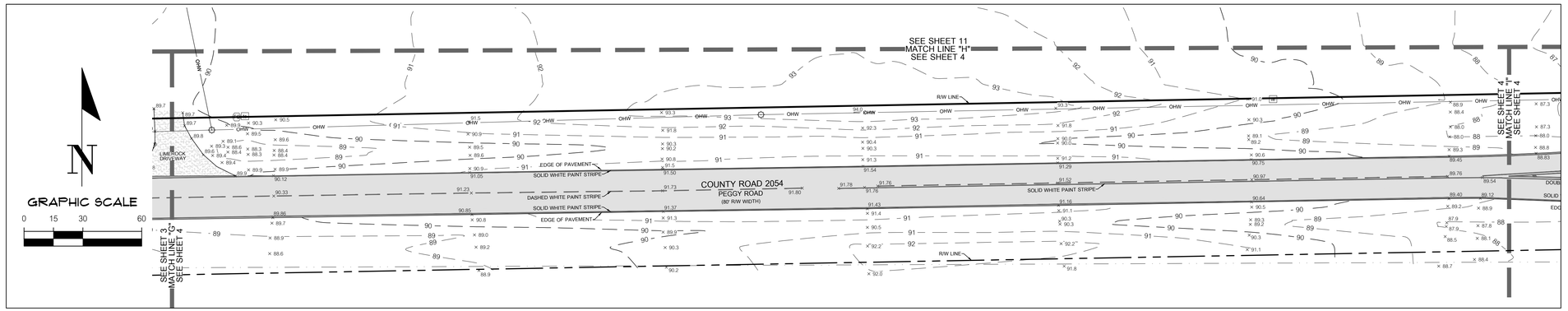

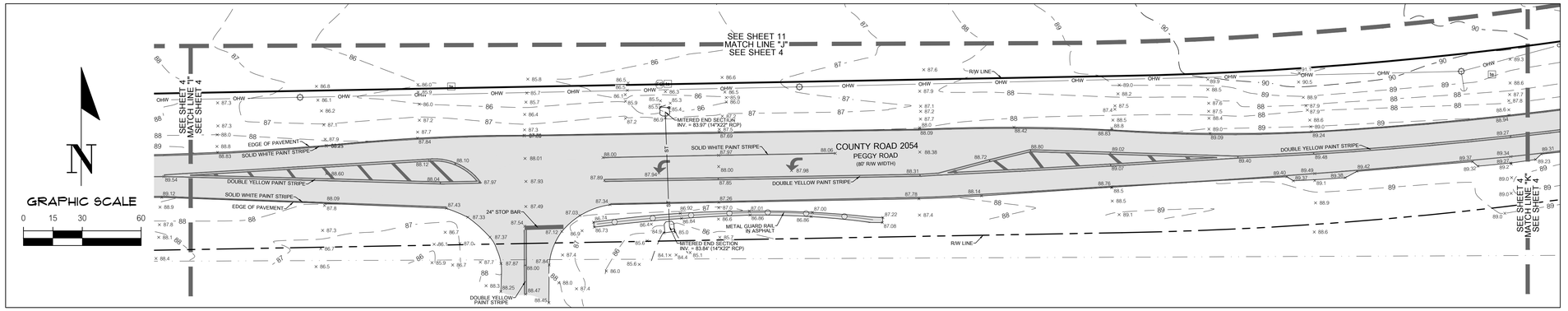

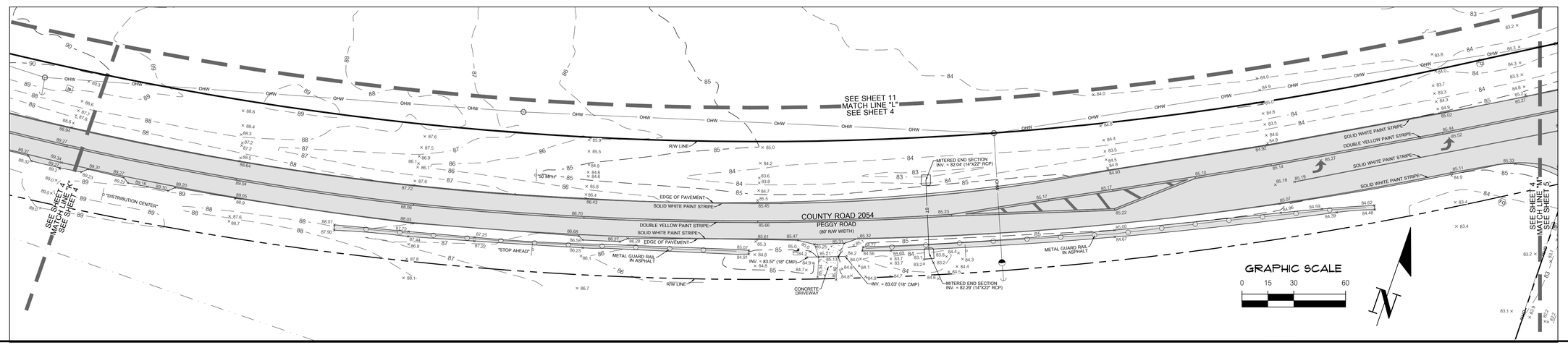

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CERTIFIED TO:

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REVISION 04/19/2023: EDITED NOTE

SURVEY DATE:	03/17/2023
REVISION DATE:	04/19/2023
PROJECT NUMBER:	21-0275
TECHNICIAN:	KWM
CREW CHIEF:	JW
CHECKED BY:	CAC
FIELD BOOK & PAGE:	669 / 1-10, 15-22, 43, 47 & FILE

CHAD A. COLSON

SEE SHEET ONE OF NINETEEN

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Tech: kwm Plot Date: Jun 20,2023 3:08pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

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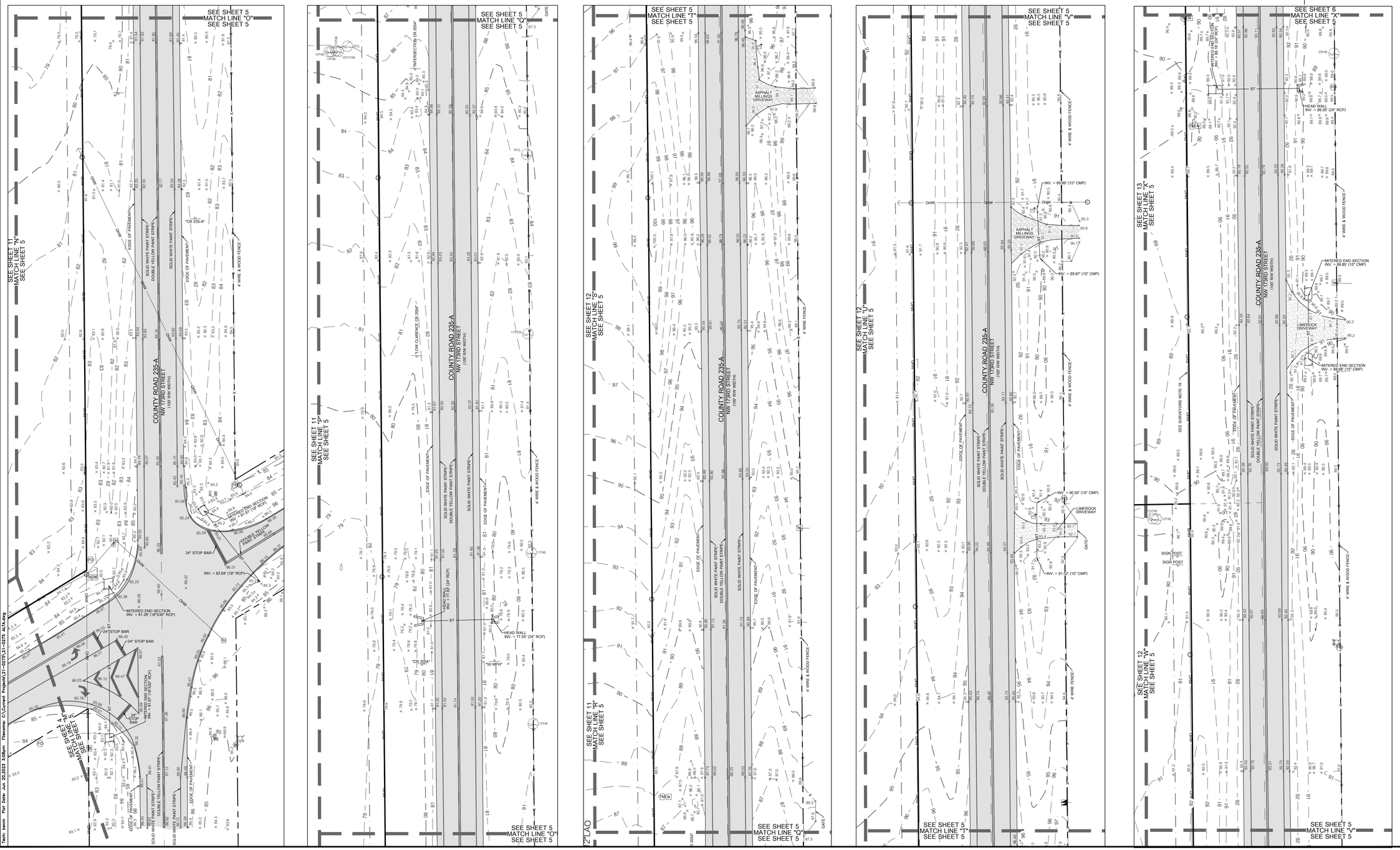
GRAPHIC SCALE
0 15 30 60

N


SEE SHEET 11 MATCH LINE "N" SEE SHEET 5
SEE SHEET 5 MATCH LINE "O" SEE SHEET 5
SEE SHEET 11 MATCH LINE "P" SEE SHEET 5
SEE SHEET 5 MATCH LINE "Q" SEE SHEET 5
SEE SHEET 12 MATCH LINE "S" SEE SHEET 5
SEE SHEET 5 MATCH LINE "T" SEE SHEET 5
SEE SHEET 12 MATCH LINE "U" SEE SHEET 5
SEE SHEET 5 MATCH LINE "V" SEE SHEET 5
SEE SHEET 13 MATCH LINE "W" SEE SHEET 5
SEE SHEET 6 MATCH LINE "X" SEE SHEET 5
SEE SHEET 12 MATCH LINE "W" SEE SHEET 5
SEE SHEET 5 MATCH LINE "V" SEE SHEET 5
SEE SHEET 4 MATCH LINE "M" SEE SHEET 5
COUNTY ROAD 235-A
NW 173RD STREET
(100' R/W WIDTH)
EDGE OF PAVEMENT
SOLID WHITE PAINT STRIPE
DOUBLE YELLOW PAINT STRIPE
4' WIRE & WOOD FENCE
24" STOP BAR
MITERED END SECTION INV. = 81.29' (18"X30" RCP)
INV. = 82.64' (18" RCP)
HEAD WALL INV. = 77.55' (24" RCP)
MITERED END SECTION INV. = 81.91' (18" RCP)
HEAD WALL INV. = 77.23' (24" RCP)
MITERED END SECTION INV. = 88.80' (15" CMP)
INV. = 89.87' (15" CMP)
INV. = 89.98' (15" CMP)
INV. = 90.92' (15" CMP)
INV. = 91.12' (15" CMP)
HEAD WALL INV. = 88.26' (24" RCP)
ASPHALT MILLINGS DRIVEWAY
LIMEROCK DRIVEWAY
GATE
SIGN POST
50 MPH
LOW CLEARENCE OR 1994
OR 235-A
OR 2054
TR 1a
TR 1b
TR 2
TR 3
TR 4
TR 5
TR 6
TR 7
TR 8
TR 9
TR 10
TR 11
TR 12
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TR 17
TR 18
TR 19
TR 20
TR 21
TR

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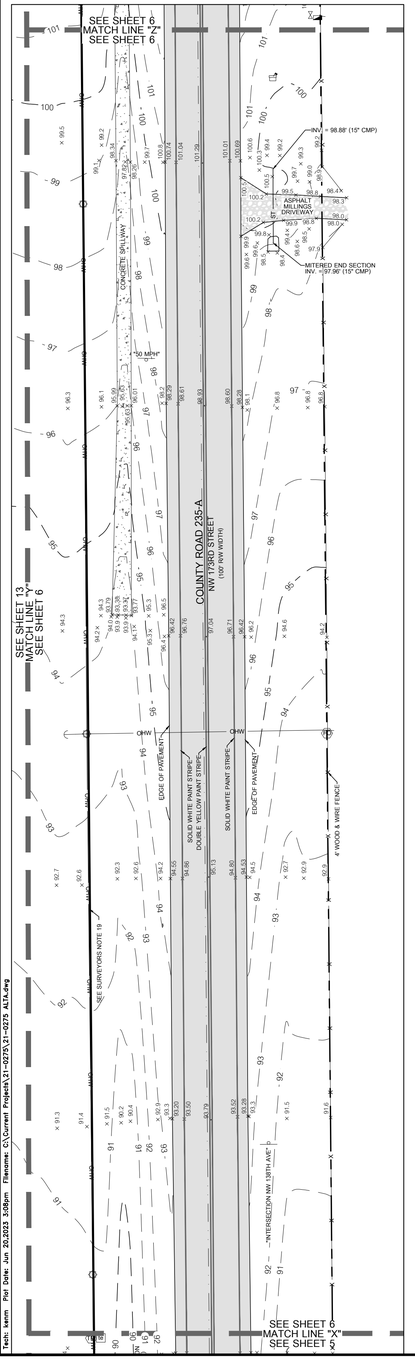
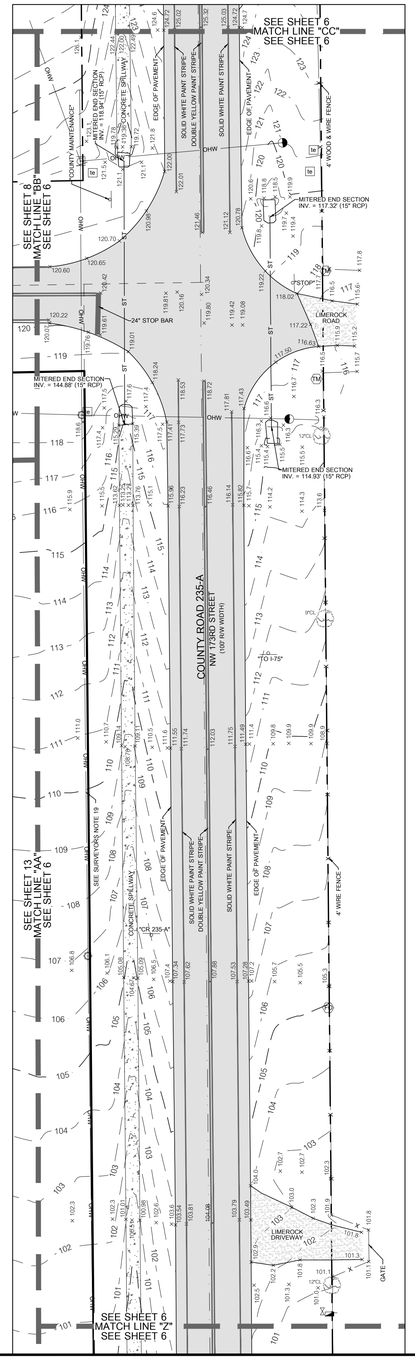
ALTA / NSPS SURVEY

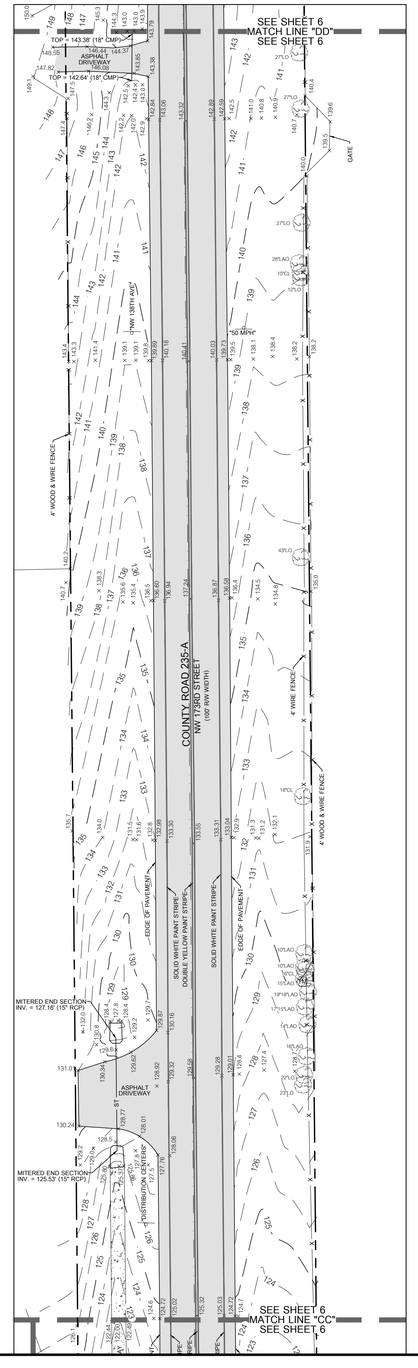
LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

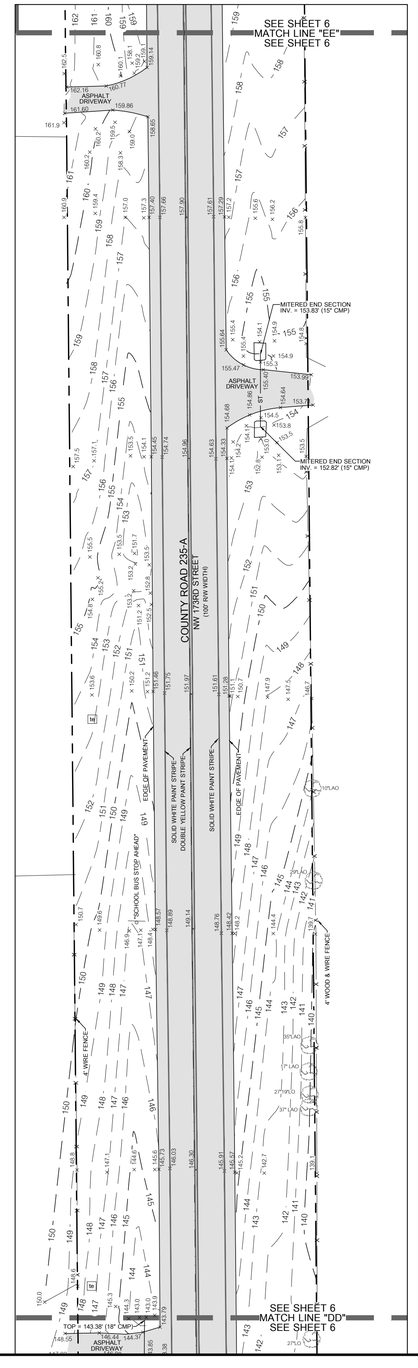
GRAPHIC SCALE
0 15 30 60

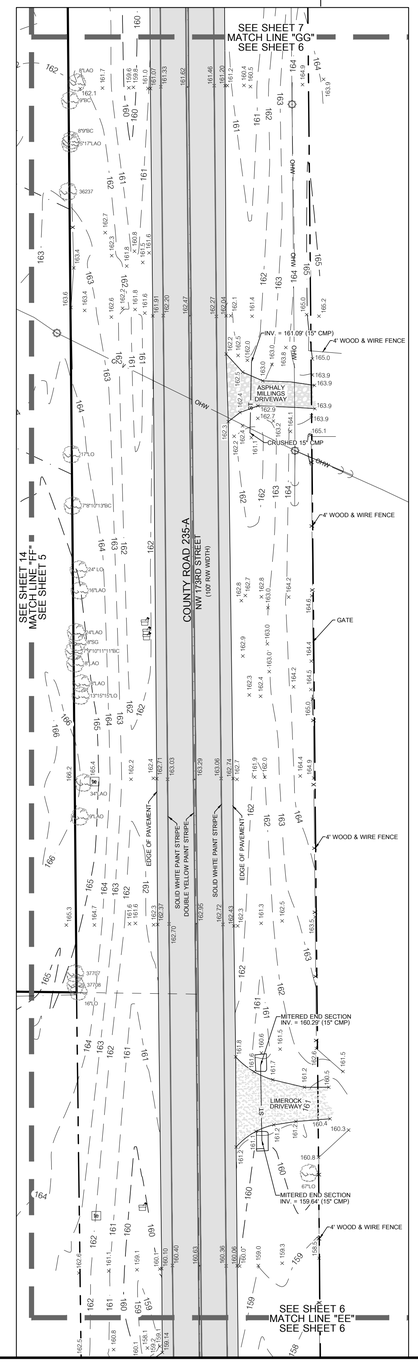
N











SEE SHEET ONE OF NINETEEN

REVISION 04/19/2023, EDITED NOTE

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THIS SHEET ADJUST
SCALES ACCORDINGLY.

0 1"

CERTIFIED TO:

TECHNICIAN:	SURVEY DATE:
KWM	03/17/2023
CREW CHIEF:	REVISION DATE:
CAC	04/19/2023
CHECKED BY:	PROJECT NUMBER:
CAC	21-0275
FIELD BOOK & PAGE:	
649 (1-10), 15-22, 43, 47	
21-01	

This map prepared by:

CHAD A. COLSON

Certificate of Authorization No. L.B. 5075
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SEE SHEET ONE OF NINETEEN

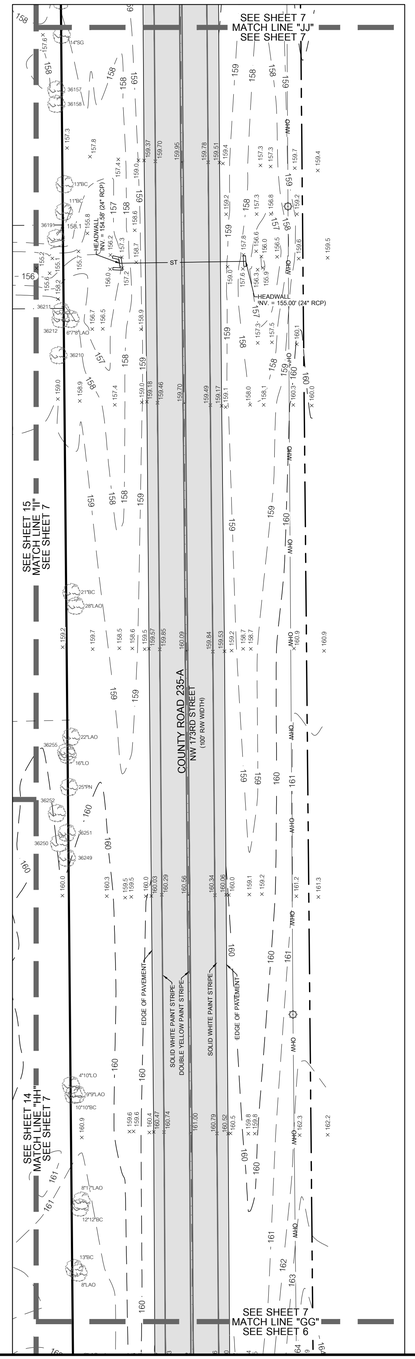
Professional Surveyor & Mapper Fla. License No. 7142

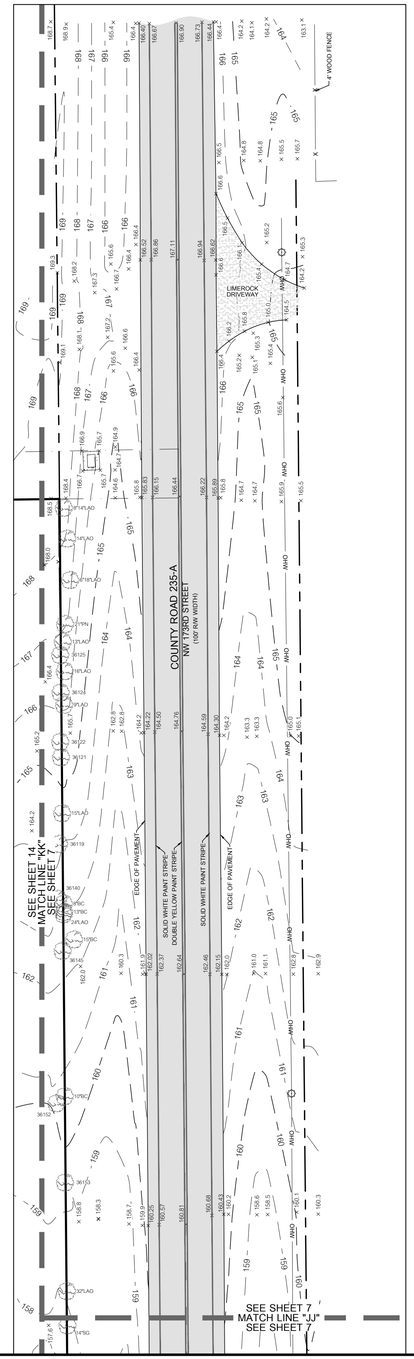
SHEET NO.:
6 OF 19

Tech: kwm Ref Date: Jun 20,2023 3:06pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA







GRAPHIC SCALE

0 15 30 60

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SEE SHEET ONE OF NINETEEN

REVISION (04/19/2023- EDITED NOTE

CERTIFIED TO:

TECHNICIAN: KWM	SURVEY DATE: 03/17/2023
CREW CHIEF: JW	REVISION DATE: 04/19/2023
CHECKED BY: CAC	PROJECT NUMBER: 21-0275
FIELD BOOK & PAGE: 669	1-10, 15-22, 43, 47

This map prepared by:

CHAD A. COLSON

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LICENSED SURVEYOR AND MAPPER

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Professional Surveyor & Mapper Fla. License No. 7142

SHEET NO.:
7 OF 19

Tech: kwm Plot Date: Jan 20,2023 3:59pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

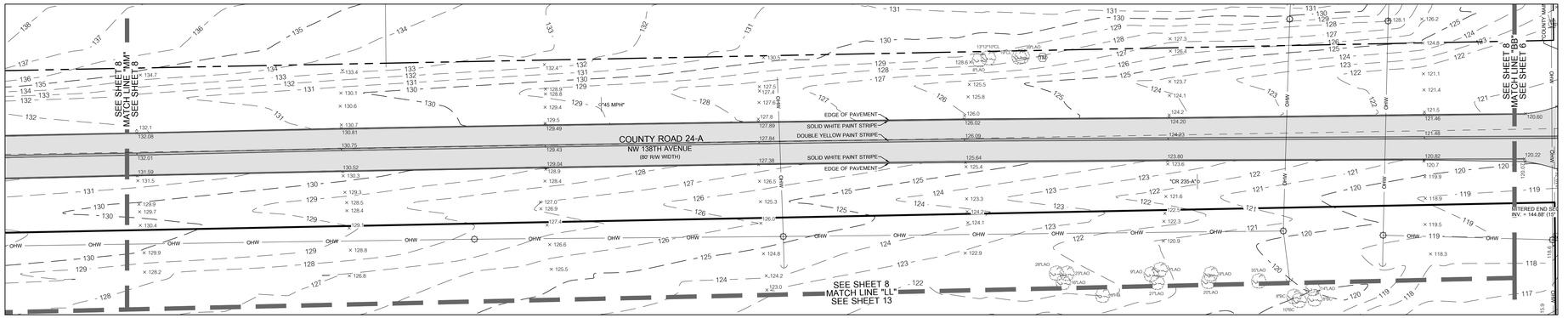
SURVEYOR'S NOTES:

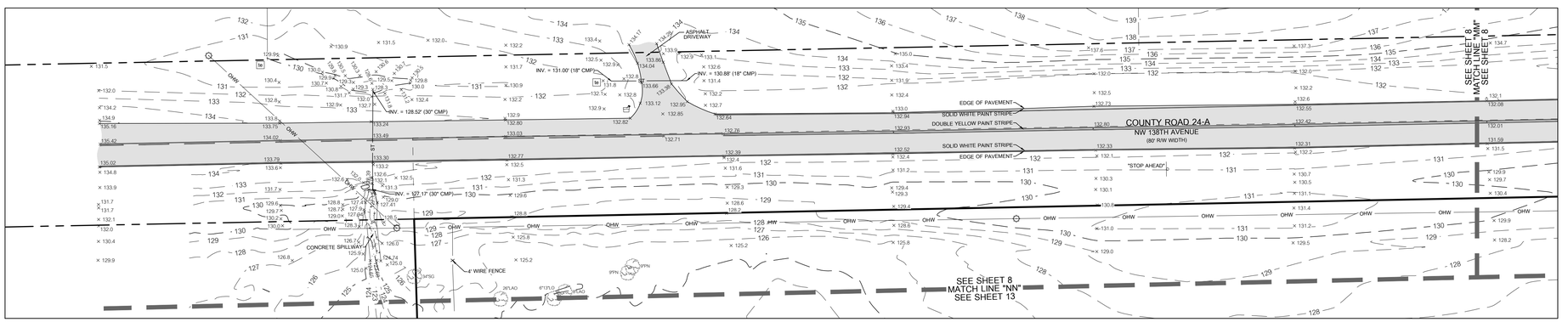
1. THIS SURVEY CONSISTS OF NINETEEN (19) SHEETS AND IS NOT COMPLETE WITHOUT ALL SHEETS. SEE SHEET ONE (1) FOR DESCRIPTIONS, SCHEDULE B-II EXCEPTIONS, VICINITY MAP, TOPOGRAPHIC KEY SHEET, LEGEND, FLOOD ZONE INFORMATION, ZONING INFORMATION, SURVEYOR'S CERTIFICATE AND COMPLETE SURVEYOR'S NOTES. SEE SHEET TWO (2) FOR DETAILED BOUNDARY INFORMATION. SEE SHEETS THREE (3) THROUGH FIFTEEN (15) FOR DETAILED TOPOGRAPHIC INFORMATION. SEE SHEETS SIXTEEN (16) THROUGH NINETEEN (19) FOR TREE TABLE CHART.

N

GRAPHIC SCALE

0 15 30 60





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REVISION 04/19/2023: EDITED NOTE

SURVEY DATE: 03/17/2023
REVISION DATE: 04/19/2023
PROJECT NUMBER: 21-0275

TECHNICIAN: KWM
CREW CHIEF: JW
CHECKED BY: CAC
FIELD BOOK & PAGE: 669 / 1-10, 15-22, 43, 47 & FILE

CHAD A. COLSON

SEE SHEET ONE OF NINETEEN

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SHEET NO.:
8 OF 19

Tech: kwm Plot Date: Jun 20,2023 3:09pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

SURVEYOR'S NOTES:

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GRAPHIC SCALE

0 15 30 60

N



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CERTIFIED TO:

SURVEY DATE: 03/17/2023

REVISION DATE: 05/15/2023

PROJECT NUMBER: 21-0275

TECHNICIAN: KWM

CREW CHIEF: JW

CHECKED BY: CAC

FIELD BOOK & PAGE: 669 / 1-10, 15-22, 43, 47 & FILE

CHAD A. COLSON

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SHEET NO.:
9 OF 19

REVISION 05/15/2023: ADDED EXCEPTION
REVISION 04/19/2023: EDITED NOTE

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

SURVEYOR'S NOTES:

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GRAPHIC SCALE
0 15 30 60

N

LOT 11, HARRINGTON PLANTATION
PLAT BOOK 7, PAGE 56
PARCEL ID: 03900-010-011
CURRENT OWNER:
BATTE JUSTIN & CANDACE LAUREN

LOT 10, HARRINGTON PLANTATION
PLAT BOOK 7, PAGE 56
PARCEL ID: 03900-010-010
CURRENT OWNER:
DELGADO & MILLER H/W

LOTS 8 & 9, HARRINGTON PLANTATION
PLAT BOOK 7, PAGE 56
PARCEL ID: 03900-010-009
CURRENT OWNER:
DELGADO & MILLER H/W

LOT 7, HARRINGTON PLANTATION
PLAT BOOK 7, PAGE 56
PARCEL ID: 03900-010-007
CURRENT OWNER:
HARRINGTON JAMES T III

LOT 6, HARRINGTON PLANTATION
PLAT BOOK 7, PAGE 56
PARCEL ID: 03900-010-006
CURRENT OWNER:
HARRINGTON JAMES T III

LOT 5, HARRINGTON PLANTATION
PLAT BOOK 7, PAGE 56
PARCEL ID: 03900-010-005
CURRENT OWNER:
PURVIS WALLACE RAY JR.

SCHEDULE B-II
ITEM # 10 & 19
50' MINERAL RESTS
(PER O.R.B 2004, PAGE 146,
MISCELLANEOUS BOOK 32, PAGE 94)

PARCEL 1
PARCEL ID: 03894-000-000

SEE SHEET 10
MATCH LINE "PP".
SEE SHEET 9

SEE SHEET 10
MATCH LINE "QQ".
SEE SHEET 12

REVISION 05/15/2023: ADDED EXCEPTION
REVISION 04/19/2023: EDITED NOTE

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CERTIFIED TO:

SURVEY DATE: 03/17/2023	
TECHNICIAN: KWM	REVISION DATE: 05/15/2023
CREW CHIEF: KW	CHECKED BY: CAC
FIELD BOOK & PAGE: 469 (1-10), 15-22, 43, 47	PROJECT NUMBER: 21-0275

CHAD A. COLSON

Professional Surveyor & Mapper Fla. License No. 7142

SEE SHEET ONE OF NINETEEN

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SHEET NO.:
10 OF 19

Kevin Mann PKA Date: Jun 20,2023, 3:05pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

SURVEYOR'S NOTES:

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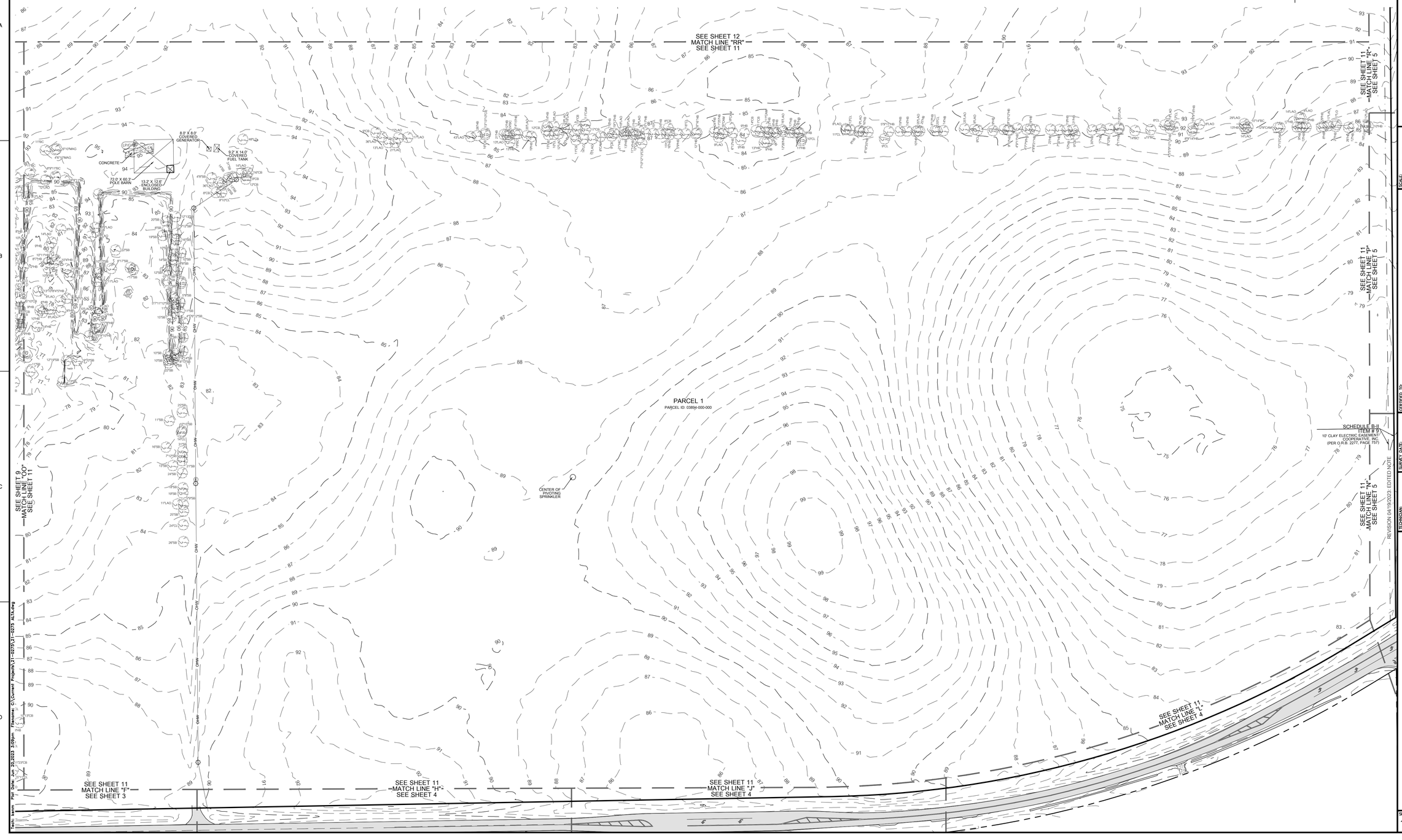
GRAPHIC SCALE
0 15 30 60

N



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CERTIFIED TO:

SURVEY DATE: 03/17/2023
REVISION DATE: 04/19/2023
PROJECT NUMBER: 21-0275

TECHNICIAN: KWM
CREW CHIEF: JM
CHECKED BY: CAC
FIELD BOOK & PAGE: 699 | 1-10, 15-22, 43, 47 & 54

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SHEET NO.:
11 OF 19

Plot Date: Jun 20,2023 3:08pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg
Tech: kwm

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

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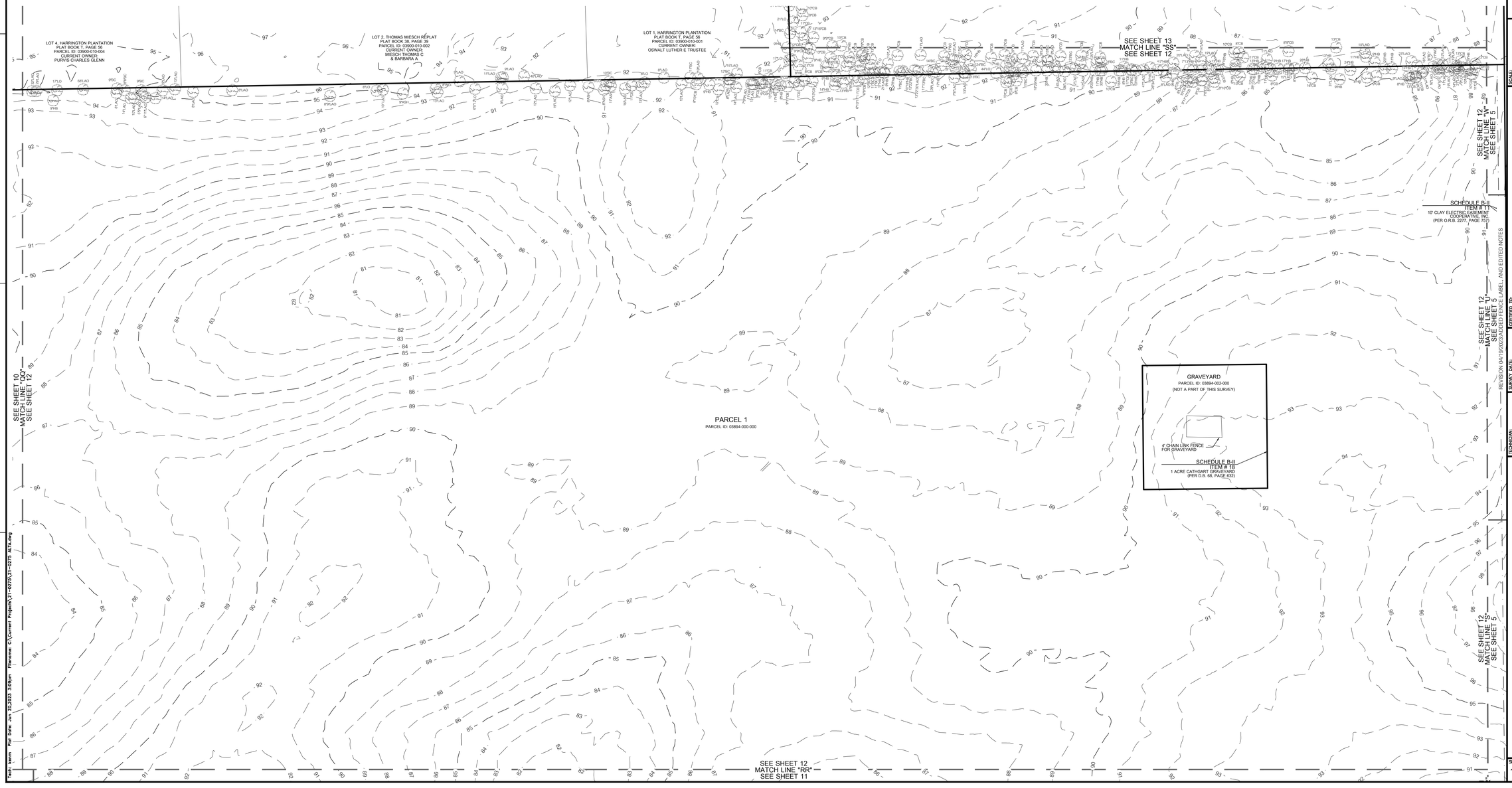
N

GRAPHIC SCALE

0 15 30 60



REVISION 04/19/2023 ADDED FENCE LABEL, AND EDITED NOTES

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SURVEY DATE: 03/17/2023
REVISION DATE: 04/19/2023
PROJECT NUMBER: 21-0275

TECHNICIAN: KWM
CREW CHIEF: JW
CHECKED BY: CAC
FIELD BOOK & PAGE: 669 / 1-10, 15-22, 43, 47 & FILE

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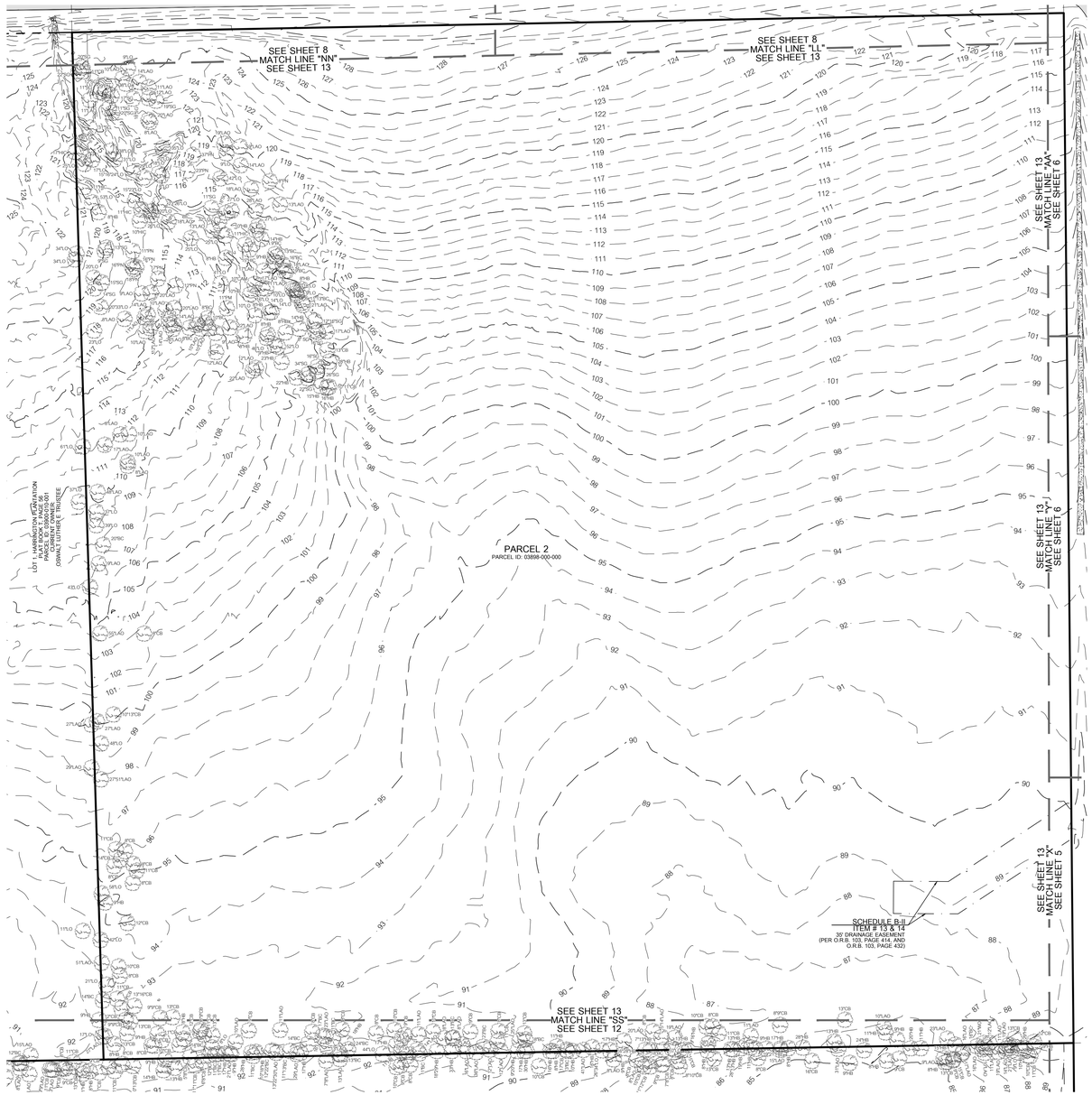
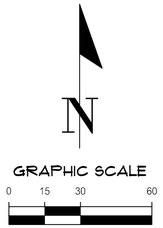
Tech: kenm Plot Date: Jun 20,2023 3:09pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST,
ALACHUA COUNTY, FLORIDA





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REVISION 05/15/2023: EDITED EXCEPTION
REVISION 04/19/2023: EDITED NOTE

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SURVEY DATE: 03/17/2023
REVISION DATE: 05/15/2023
PROJECT NUMBER: 21-0275

TECHNICIAN: KWM
CREW CHIEF: JW
CHECKED BY: CAC
FIELD BOOK & PAGE: 669 / 1-10, 15-22, 43, 47 & FILE

CHAD A. COLSON

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SHEET NO.:
13 OF 19

Tech: kenm Plot Date: Jun 20,2023 3:09pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

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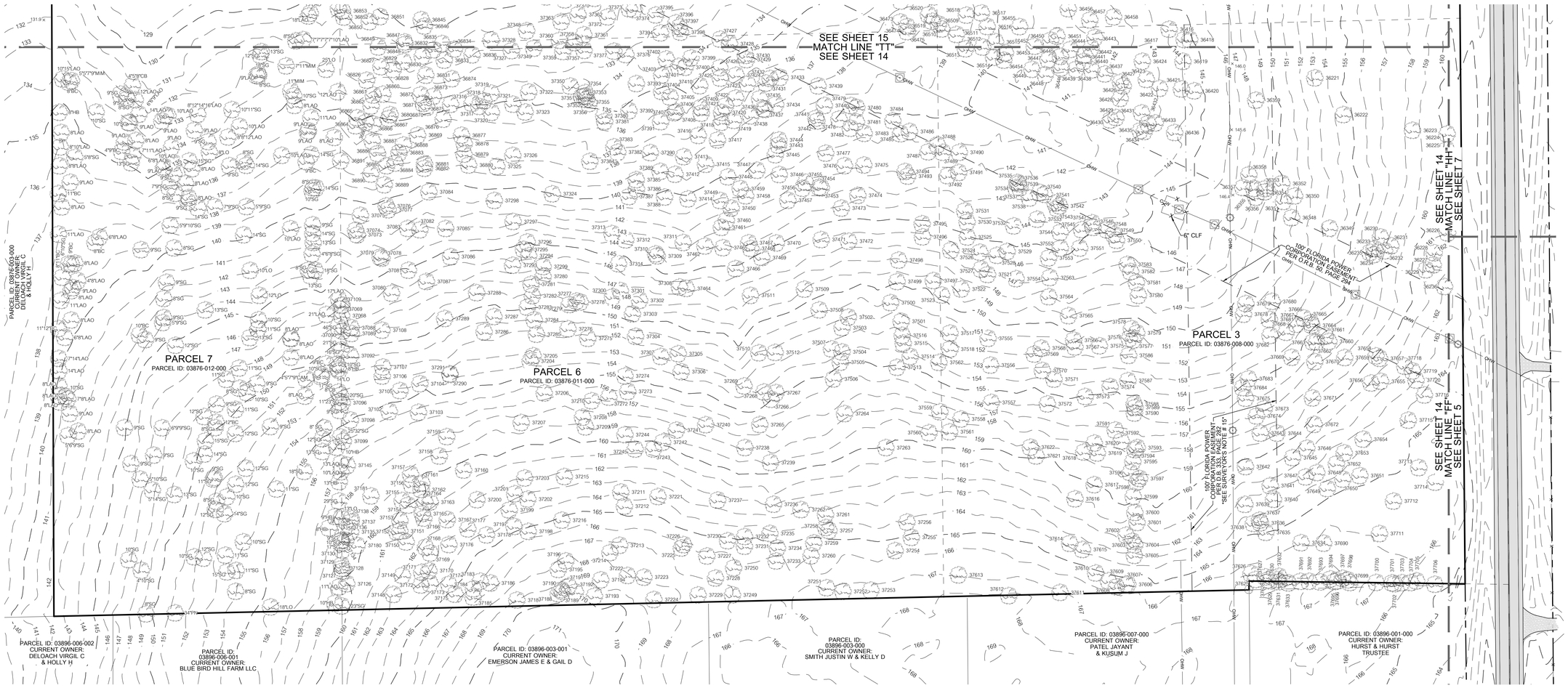
N

GRAPHIC SCALE

0 15 30 60



REVISION 04/19/2023: EDITED NOTE

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TECHNICIAN: KWM
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SHEET NO.:
14 OF 19

Tech: kenm Plot Date: Jun 20,2023 3:09pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

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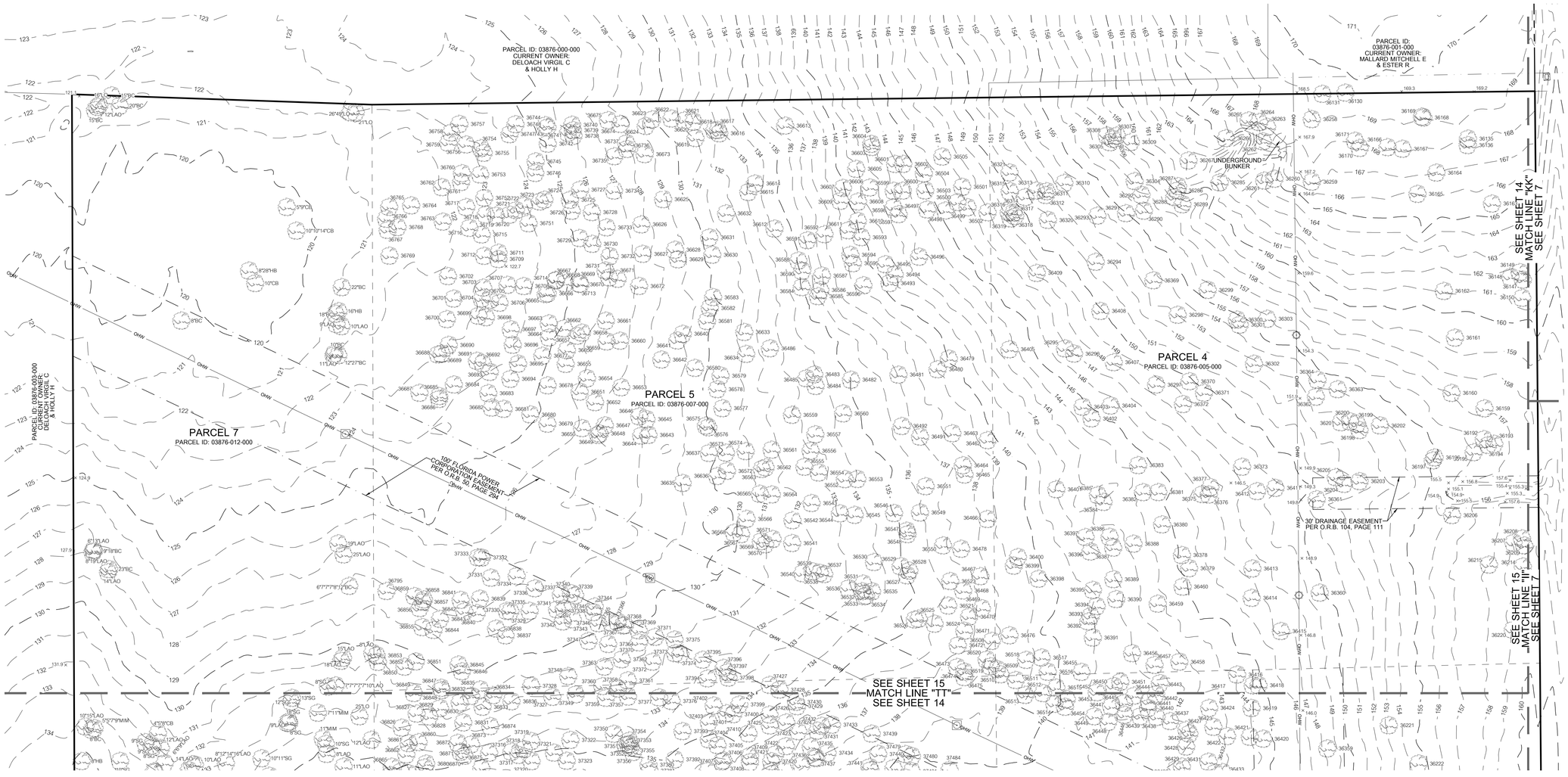

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REVISION 04/19/2023: EDITED NOTE

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SHEET NO.:
15 OF 19

Tech: kenm Plot Date: Jun 20,2023 3:10pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

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ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

TREE TABLE CHART

TREE #	SIZE	COMMON NAME	SCIENTIFIC NAME
36119	28"	LIVE OAK	QUERCUS VIRGINIANA
36121	16"	LAUREL OAK	QUERCUS LAURIFOLIA
36122	13"	LAUREL OAK	QUERCUS LAURIFOLIA
36124	18"	LIVE OAK	QUERCUS VIRGINIANA
36125	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36130	38"	LAUREL OAK	QUERCUS LAURIFOLIA
36131	24"	PINE	PINUS
36135	6" 13"	LAUREL OAK	QUERCUS LAURIFOLIA
36136	11"	HACKBERRY	CELTIS OCCIDENTALIS
36140	17"	LAUREL OAK	QUERCUS LAURIFOLIA
36145	10"	BLACK CHERRY	PRUNUS SEROTINA
36147	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36148	7" 8"	LAUREL OAK	QUERCUS LAURIFOLIA
36149	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36150	11"	LAUREL OAK	QUERCUS LAURIFOLIA
36152	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36153	14"	BLACK CHERRY	PRUNUS SEROTINA
36157	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36158	15"	BLACK CHERRY	PRUNUS SEROTINA
36159	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36160	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36161	9"	BLACK CHERRY	PRUNUS SEROTINA
36162	11"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36163	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36164	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36165	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36166	10"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36167	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36168	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36169	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36170	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36171	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36191	23"	PINE	PINUS
36192	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36193	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36194	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36195	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36196	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36197	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36198	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36199	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36200	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36201	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36202	9"	MIMOSA	ALBIZIA JULIBRISSIN
36203	9" 10"	MIMOSA	ALBIZIA JULIBRISSIN
36204	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36205	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
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36285	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA

TREE TABLE CHART

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TREE TABLE CHART

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VERIFY SCALE BAR IS TRUE WHEN PLOTTING AT ANY SIZE.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
0 1"

SEE SHEET ONE OF NINETEEN

REVISION 04/19/2023: EDITED NOTE

CERTIFIED TO:

SURVEY DATE: 03/17/2023
REVISION DATE: 04/19/2023
PROJECT NUMBER: 21-0275

TECHNICIAN: KWM
CREW CHIEF: KWM
CHECKED BY: CAC
FIELD BOOK & PAGE: 668 (1-10, 15-22, 43, 47 & 51-53)

CHAD A. COLSON
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Professional Surveyor & Mapper Fla. License No. 7142

This map prepared by:

Certificate of Authorization No. L.B. 5075
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SHEET NO.: 16 OF 19

Path: kevin Plot Date: Jun 20,2023 3:10pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

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ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

TREE TABLE CHART

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TREE TABLE CHART

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FIELD BOOK & PAGE: 668 (T-10, 15-22, 43, 47 & T-11)

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Professional Surveyor & Mapper Fla. License No. 7142

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SHEET NO.: 17 OF 19

Path: kevin Plot Date: Jun 20,2023 5:11pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

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ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

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18 OF 19

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36202	9"	MIMOSA	ALBIZIA JULIBRISSIN
36203	9" 10"	MIMOSA	ALBIZIA JULIBRISSIN
36204	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36205	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36206	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36207	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36208	11"	LAUREL OAK	QUERCUS LAURIFOLIA
36209	12"	LAUREL OAK	QUERCUS LAURIFOLIA
36210	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36211	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36212	15"	BLACK CHERRY	PRUNUS SEROTINA
36214	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36215	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36220	13"	LAUREL OAK	QUERCUS LAURIFOLIA
36221	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36222	12"	BLACK CHERRY	PRUNUS SEROTINA
36223	12"	BLACK CHERRY	PRUNUS SEROTINA
36224	12"	LAUREL OAK	QUERCUS LAURIFOLIA
36225	12"	LAUREL OAK	QUERCUS LAURIFOLIA
36226	14"	LAUREL OAK	QUERCUS LAURIFOLIA
36227	5" 11"	LAUREL OAK	QUERCUS LAURIFOLIA
36228	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36229	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36230	17"	BLACK CHERRY	PRUNUS SEROTINA
36231	11"	LAUREL OAK	QUERCUS LAURIFOLIA
36232	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36233	11"	LAUREL OAK	QUERCUS LAURIFOLIA
36234	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36235	8" 9"	LAUREL OAK	QUERCUS LAURIFOLIA
36236	14"	LAUREL OAK	QUERCUS LAURIFOLIA
36237	15"	LAUREL OAK	QUERCUS LAURIFOLIA
36249	9"	BLACK CHERRY	PRUNUS SEROTINA
36250	20"	LIVE OAK	QUERCUS VIRGINIANA
36251	31"	LAUREL OAK	QUERCUS LAURIFOLIA
36252	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36255	12"	LAUREL OAK	QUERCUS LAURIFOLIA
36258	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36259	8"	LIVE OAK	QUERCUS VIRGINIANA
36260	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36261	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36262	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36263	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36264	25"	LAUREL OAK	QUERCUS LAURIFOLIA
36265	13"	LAUREL OAK	QUERCUS LAURIFOLIA
36266	12" 13"	LAUREL OAK	QUERCUS LAURIFOLIA
36267	16"	LIVE OAK	QUERCUS VIRGINIANA
36285	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
112184	17"	LAUREL OAK	QUERCUS LAURIFOLIA

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0 1"

REVISION (04/19/2023): EDITED NOTE

CERTIFIED TO:

SURVEY DATE: 03/17/2023
REVISION DATE: 04/19/2023
PROJECT NUMBER: 21-0275

TECHNICIAN: KWM
CREW CHIEF: JW
CHECKED BY: CAC
FIELD BOOK # PAGE: 869 | 1-10, 15-22, 43, 47 & 1-5

SEE SHEET ONE OF NINETEEN

This map prepared by:

CHAD A. COLSON

Professional Surveyor & Mapper Fla. License No. 7142

SEE SHEET ONE OF NINETEEN

Certificate of Authorization No. LB. 5075
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SIGNATURE AND SEAL OR ELECTRONIC
DIGITAL SIGNATURE OF A FLORIDA
LICENSED SURVEYOR AND MAPPER

SHEET NO.:
19 OF 19

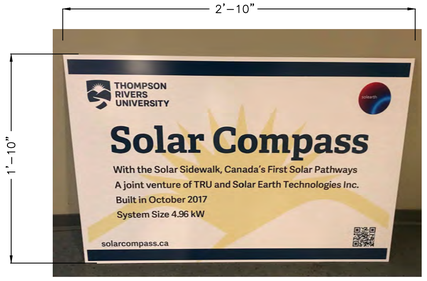
Tech: kwm Plot Date: Jun 20,2023 3:11pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

NOTE: GRAPHIC PROVIDED IS AN EXAMPLE, NOT ACTUAL SIGN. CONTRACTOR TO PLACE "SOLAR SAFETY SIGN" EVERY 1,000 FT. ALONG THE FENCE. ATTACH PER THE MANUFACTURER'S RECOMMENDATION.



1 SOLAR SAFETY SIGN
SCALE: N.T.S.

NOTE: GRAPHIC PROVIDED IS AN EXAMPLE, NOT ACTUAL SIGN. ACTUAL SIGN TO INCLUDE PROJECT OWNER INFORMATION (PLEASANT SOLAR LLC) AND SYSTEM SIZE INFORMATION (74.9kW). ENTRANCE SIGN TO BE INSTALLED AT MAIN ENTRY ALONG PEGGY RD/NW CR 2054. CONTRACTOR TO INSTALL PER MANUFACTURER'S RECOMMENDATION.



2 ENTRANCE SIGN
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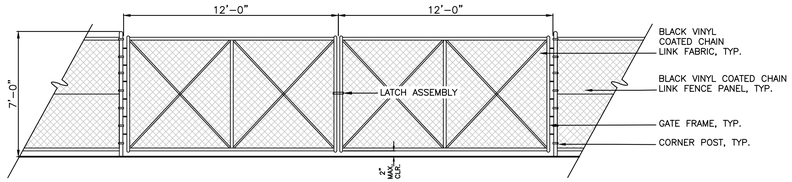
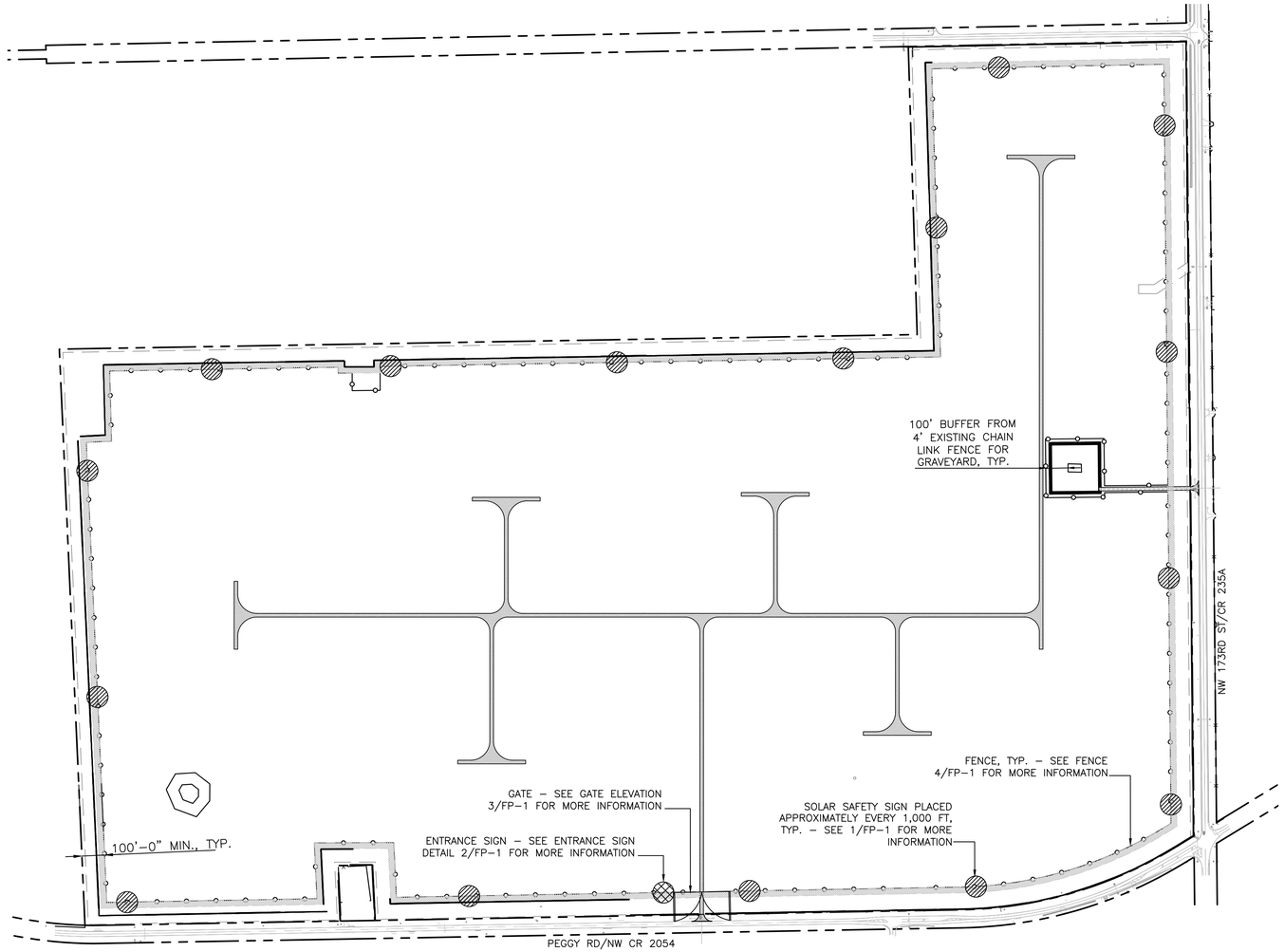


3 GATE ELEVATION
SCALE: 1/4" = 1'-0"



4 FENCE
SCALE: N.T.S.



5 FENCE PLAN
SCALE: 1" = 300'-0"

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03/07/2024 - SUBMITTAL TO CITY OF ALACHUA
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: FENCING PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: FP-1

Tech: john-michaels Plot Date: May 14,2024 4:55pm Filename: N:\2021\21-0275\Departments\03_Design\02_DWGs\01_Permitting\21-0275 Design Base.dwg

LANDSCAPED AREA REQUIREMENT

PER CITY OF ALACHUA COMPREHENSIVE PLAN FUTURE LAND USE ELEMENT, POLICY 2.4.A

TOTAL SITE AREA.....320.50 ACRES

ADJUSTED SITE AREA.....26.00 ACRES

SITE LANDSCAPE CALCULATIONS [Sec. 6.2.2(D)(1)(b)]*

DESCRIPTION	TREE REQUIREMENTS	TREES PROVIDED
PRIMARY SIDE CANOPY TREES (EAST SIDE)	4 TREES PER ACRE X 26.00 ACRES = 104 CANOPY TREES REQUIRED	104 CANOPY TREES PROVIDED
REAR SIDE CANOPY TREES (WEST SIDE)	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	78 CANOPY TREES PROVIDED
SOUTH SIDE CANOPY TREES	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	78 CANOPY TREES PROVIDED
NORTH SIDE CANOPY TREES	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	78 CANOPY TREES PROVIDED
SITE UNDERSTORY TREES	8 UNDERSTORY TREES PER ACRE X 26.00 ACRES = 208 TREES REQUIRED 50% IN FRONT (EAST SIDE) = 104 TREES REQUIRED 25% ON NORTH SIDE = 52 TREES REQUIRED 25% ON SOUTH SIDE = 52 TREES REQUIRED	EAST 104 UNDERSTORY TREES PROVIDED NORTH 52 UNDERSTORY TREES PROVIDED SOUTH 52 UNDERSTORY TREES PROVIDED
*SITE LANDSCAPE CALCULATIONS HAVE BEEN ADJUSTED AS OUTLINED IN THE ALTERNATIVE LANDSCAPE PLAN. REFER TO THE ALTERNATIVE LANDSCAPE PLAN FOR MORE INFORMATION.		

PERIMETER BUFFER LANDSCAPE REQUIREMENTS [Section 6.2.2(D)(3)]

LOCATION	BUFFER LENGTH & TYPE	LANDSCAPE REQUIRED	LANDSCAPE PROVIDED
EAST PERIMETER	3,512 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 140 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 88 UNDERSTORY TREES REQUIRED	CONTINUOUS HEDGE PROVIDED 140 CANOPY TREES PROVIDED 88 UNDERSTORY TREES PROVIDED
WEST PERIMETER	2,548 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 102 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 64 UNDERSTORY TREES REQUIRED	CONTINUOUS HEDGE PROVIDED 76 EXISTING CANOPY TREES 26 CANOPY TREES PROVIDED 64 UNDERSTORY TREES PROVIDED
NORTH PERIMETER	6,292 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 252 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 157 UNDERSTORY TREES REQUIRED	CONTINUOUS HEDGE PROVIDED 127 EXISTING CANOPY TREES 125 CANOPY TREES PROVIDED 157 UNDERSTORY TREES PROVIDED
SOUTH PERIMETER (ROADWAY)	4,815 L.F. BUFFER TYPE 'A'	OPTION 2 CONTINUOUS HEDGE 1 CANOPY TREE/60 L.F. = 80 CANOPY TREES REQUIRED	CONTINUOUS HEDGE PROVIDED 20 EXISTING CANOPY TREES 60 CANOPY TREES PROVIDED
SOUTH PERIMETER (RESIDENTIAL)	639 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 26 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 16 UNDERSTORY TREES REQUIRED	CONTINUOUS HEDGE PROVIDED 19 EXISTING CANOPY TREES 7 CANOPY TREES PROVIDED 16 UNDERSTORY TREES PROVIDED
CEMETERY PERIMETER (PARKS/OPEN SPACE)	835 L.F. BUFFER TYPE 'D'	ALTERNATIVE PLAN OPTION CONTINUOUS HEDGE	ALTERNATIVE PLAN OPTION CONTINUOUS HEDGE

CANOPY AND UNDERTORY TREE REQUIREMENT SUMMARY

LANDSCAPE REQUIREMENTS	TREE TYPE BREAKDOWN
SITE REQUIREMENTS	338 CANOPY TREES 208 UNDERSTORY TREES
BUFFER REQUIREMENTS	600 CANOPY TREES 325 UNDERSTORY TREES
TOTAL REQUIREMENTS	938 CANOPY TREES 533 UNDERSTORY TREES 1,471 TOTAL TREES

PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
TREES				
CC	125	CERCIS CANADENSIS	EASTERN REDBUD	15 GAL., 8' HT., 30" SPR., 1.5" CAL.
CV	129	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	15 GAL., 9' HT., 2' SPR., 1.5" CAL.
IAE	33	ILEX X ATTENUATA 'EAST PALATKA'	EAST PALATKA HOLLY	30 GAL, 7' HT, 3' SPR, 2" CAL
JS	63	JUNIPERUS SILICICOLA	SOUTHERN RED CEDAR	30 GAL, 12' HT, 42" SPR, 2" CAL
LIM	127	LAGERSTROEMIA INDICA 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE	30 GAL, 10' HT, 4' SPR, 2" CAL
LIN	44	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ CRAPE MYRTLE	15 GAL., 6' HT., 30" SPR., 1.5" CAL.
MGD	153	MAGNOLIA GRANDIFLORA 'DD BLANCHARD'	DD BLANCHARD MAGNOLIA	30 GAL, 12' HT, 42" SPR, 2" CAL
PP	53	PINUS PALUSTRIS	LONGLEAF PINE	30 GAL, 12' HT, 42" SPR, 2" CAL
QO	122	QUERCUS MICHAUXII	BASKET OAK	30 GAL, 12' HT, 42" SPR, 2" CAL
QV	89	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	30 GAL, 12' HT, 54" SPR, 2" CAL
TD	134	TAXODIUM DISTICHUM	BALD CYPRESS	30 GAL, 12' HT, 42" SPR, 2" CAL
UA	49	ULMUS ALATA	WINGED ELM	30 GAL, 10' HT, 4' SPR, 2" CAL
VOW	108	VIBURNUM OBOVATUM	WALTER'S VIBURNUM	15 GAL., 6' HT., 30" SPR., 1.5" CAL.
SHRUBS				
BX	2,022	BUXUS MICROPHYLLA	BOXWOOD	3 GAL, 18" HT, 9" SPR
IDB	1,656	ILEX CORNUTA 'DWARF BURFORDII'	DWARF BURFORD HOLLY	3 GAL, 24" HT, 16" SPR
PM	358	PODOCARPUS MACROPHYLLUS	PODOCARPUS	3 GAL., 18" HT., 18"SPR.
VO	1,774	VIBURNUM ODORATISSIMUM	SWEET VIBURNUM	3 GAL., 24" HT. X 12" SPR.
VOS	1,093	VIBURNUM OBOVATUM 'MRS. SHILLER'S DELIGHT'	MRS. SHILLERS DELIGHT VIBURNUM	3 GAL., 18" HT., 18"SPR.
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
SOD/SEED				
SOD		PASPALUM NOTATUM 'ARGENTINE'	BAHIA GRASS	WEED FREE AND SAND GROWN SOD

GENERAL NOTES

ALL ASPHALT, LIMEROCK, AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM PLANTING BEDS AND SOD AREAS PRIOR TO LANDSCAPE INSTALLATION. IF ENCOUNTERED DURING CONSTRUCTION OR INSTALLATION, THESE SHALL BE EXCAVATED AND REMOVED FROM THE SITE. PLANTING DEPTH OF SOIL IN SUCH AREAS SHOULD BE AT LEAST 3'. IF FILL MUST BE ADDED, IT MUST BE FLORIDA CLEAN DEEP FILL (FREE OF WEED SEEDS) WITH pH 6.0 – 7.5.

ALL LANDSCAPED AREAS SHALL BE MULCHED WITH 3" THICKNESS OF MULCH. PINE BARK MULCH SHALL BE USED IN ALL AREAS, EXCEPT RETENTION AREAS. PINE STRAW MULCH SHALL BE USED IN RETENTION AREAS.

NEW TREES OUTSIDE OF MULCHED LANDSCAPED BEDS WILL BE PROTECTED FROM MOWER AND STRING TRIMMER DAMAGE WITH 10" OF PLASTIC DRAIN TUBING.

LEADER SHOOTS AND MAIN STRUCTURAL LIMBS OF TREES SHALL NOT BE TOPPED OR PRUNED. TREES WILL BE STAKED AS NEEDED. GUYLINES WILL BE OF NON-SYNTHETIC BIODEGRADABLE MATERIAL.

REFER TO CIVIL PLANS FOR TREE BARRICADE DETAILS AND INFORMATION.

ALL VEGETATIVE MATERIALS IDENTIFIED IN THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE PLANT SPECIES, AS AMENDED, SHALL BE REMOVED AT TIME OF DEVELOPMENT.

PLANT SELECTION FOR THIS PROJECT HAS BEEN DESIGNED TO UTILIZE FLORIDA FRIENDLY PLANT MATERIALS, AS OUTLINED BY THE UNIVERSITY OF FLORIDA IFAS EXTENSION.

GRASSING

ALL DISTURBED AND UNPAVED AREAS TO BE GRASSED WITH SOD THAT IS FREE OF NOXIOUS WEEDS INCLUDING TROPICAL SODA APPLE OR SHALL BE SEEDED AND MULCHED. SEE CIVIL SITE PLANS FOR ADDITIONAL RELATED INFORMATION.

PLANT MATERIAL

ALL PLANT MATERIAL TO BE FLORIDA NO.1 OR BETTER, GRADED IN ACCORDANCE WITH THE STATE OF FLORIDA DEPARTMENT OF AGRICULTURE, DIVISION OF PLANT INDUSTRY'S 'GRADES AND STANDARDS FOR NURSERY PLANTS'. CURRENT EDITION AT THE TIME PLANS ARE ISSUED. CALL THE LANDSCAPE ARCHITECT PRIOR TO PURCHASING ANY PLANT MATERIAL FOR AN ON SITE INSPECTION AND REVIEW OF LANDSCAPE PLAN.

PLANT QUANTITIES SHOWN ARE FOR PERMITTING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM ALL QUANTITIES SHOWN ON THE PLAN.

10% OPEN SPACE REQUIREMENT

AS PER CITY OF ALACHUA LDR SECTION 6.7.3 (A), THE MINIMUM OPEN SPACE SET ASIDE SHALL BE 10% OF THE DEVELOPMENT SITE. REFER TO CIVIL PLANS FOR OPEN SPACE CALCULATIONS.

IRRIGATION

THE IRRIGATION SYSTEM USED FOR LANDSCAPE SHALL BE DESIGNED TO CORRELATE TO THE WATER USE PLANT ZONES ESTABLISHED IN THE LANDSCAPE DESIGN. IRRIGATION SYSTEM DESIGN STANDARDS SHALL BE IN ACCORDANCE WITH CITY OF ALACHUA LDR SECTION 6.2.2(D)(7)(b)(vi).

A TEMPORARY OR PERMANENT AUTOMATIC IRRIGATION SYSTEM IS REQUIRED FOR ALL NEW REQUIRED LANDSCAPING INSTALLED [ALACHUA COUNTY LDC SEC. 407.46(A)]. TEMPORARY IRRIGATION SYSTEMS MUST BE REMOVED ONCE THE PLANTS ARE ESTABLISHED OR WITHIN TWO YEARS, WHICHEVER OCCURS FIRST. PRIOR TO THE INSTALLATION OF A NEW PERMANENT IRRIGATION SYSTEM OR SUBSTANTIAL MODIFICATION TO AN EXISTING SYSTEM, AN IRRIGATION PLAN MUST BE SUBMITTED TO AND APPROVED BY THE ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT THROUGH THE ONLINE ALACHUA COUNTY IRRIGATION PROFESSIONAL PORTAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE IRRIGATION PLAN THROUGH THE IRRIGATION PROFESSIONAL PORTAL. THE IRRIGATION SYSTEM SHALL COMPLY WITH THE LANDSCAPE IRRIGATION DESIGN AND MAINTENANCE STANDARDS FOUND IN ARTICLE II OF PART II, TITLE 7, CHAPTER 79 OF THE ALACHUA COUNTY CODE, WHICH, AMONG ADDITIONAL DESIGN STANDARDS, LIMITS HIGH VOLUME IRRIGATION TO 60% OF THE LANDSCAPED AREA. FOR MORE INFORMATION, CONTACT THE ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT AT 352-264-6800.

ALL NEWLY PLANTED TREES SHALL HAVE INDIVIDUAL LOW FLOW OR MICRO-IRRIGATION SUPPLIES [ALACHUA COUNTY LDC 407.46(A)3]. ALL IRRIGATION SYSTEMS ARE REQUIRED TO HAVE A MOISTURE SENSOR/AUTOMATIC RAINFALL SHUTOFF DEVICE [ALACHUA COUNTY LDC 407.46(A)4].

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SHEET KEY MAP

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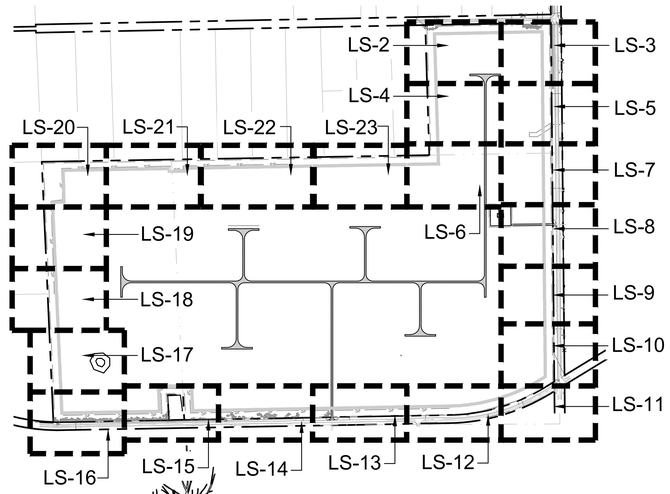

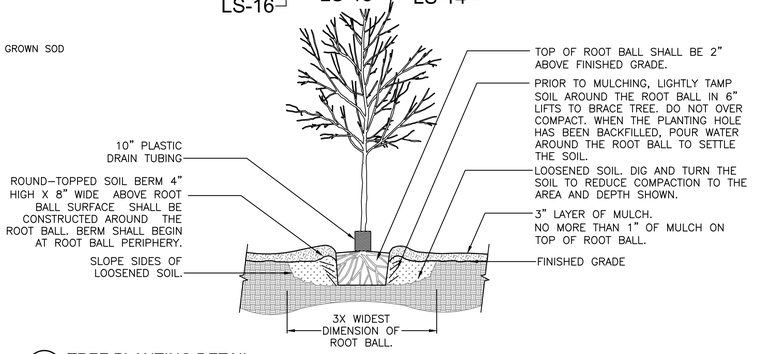

1 TREE PLANTING DETAIL

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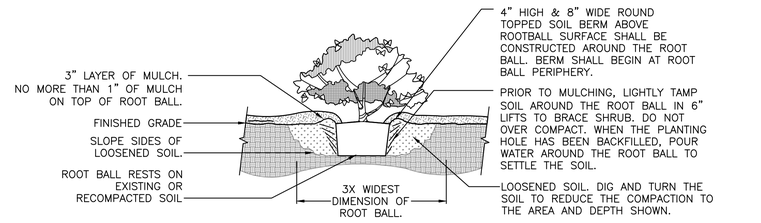

2 SHRUB PLANTING DETAIL

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3 MULCH DETAIL

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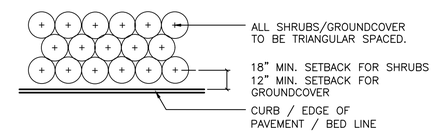

NOTE: THE PERIMETER OF ALL CURVED PLANTING BEDS SHALL BE PLANTED WITH A ROW OF SHRUBS AS SHOWN IN THE PLANS AND AT THE SPACING SHOWN IN THE PLANT LIST. INTERIOR PORTIONS OF EACH BED SHALL BE PLANTED AT APPROPRIATE SPACING ACCORDING TO THIS PLANT SPACING DETAIL.

4 SHRUB PLANTING DETAIL

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05/14/2024 SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE DETAILS, SCHEDULE, & NOTES

TECHNICIAN: L. ROSARIO

DESIGNER: L. ROSARIO

QUALITY CONTROL: JMS

PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT JOHN MICHAEL SIMPSON LA6667436 STATE OF FLORIDA

SHEET NO.: LS-1

Tech: john-michaels Plot Date: May 14,2024 4:56pm Filename: N:\2021\21-0275\Department\03_Design\02_Civil\01_Permitting\21-0275 Design Base.dwg

LEGEND

NEW TREES TO BE ADDED

EXISTING TREES TO REMAIN

MITIGATION TREES

50–VOS
77–IDB
32–VO
100–BX
25–
7–LIM
SOD
1–CC
9–CV
3–TD
10–LIM
3–CC
9–VOW
6–QO
3–MGD
5–QO
1–UA
1–TD
FIRE LANE 25'-0" TYP.
NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35
MATCHLINE LS–2
MATCHLINE LS–3
MATCHLINE LS–2
MATCHLINE LS–4
5–PP
1–QV
1–CC

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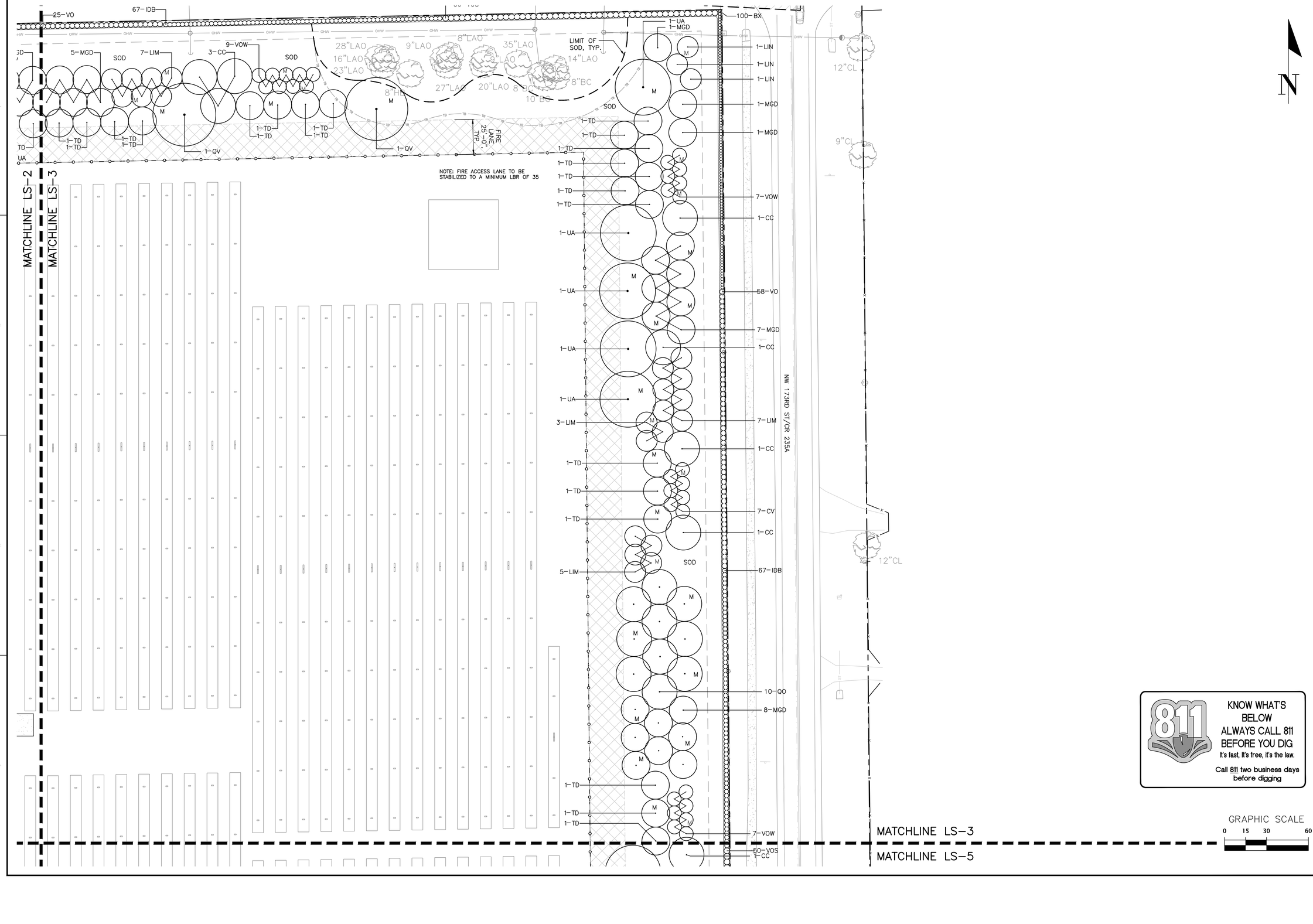
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-2



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05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-3

MATCHLINE LS-2

MATCHLINE LS-4

LOT 1, HARRINGTON PLACE
PLAT BOOK T, PAGE
PARCEL ID: 03900-001
CURRENT OWNER:
OSWALT LUTHER E

37"LO
48"LAO
37"LO
39"LO
20"BC
39"LAO
43"LO
55"LAO
27"LAO
27"LAO
48"LO
29"LAO
27"51"LAO
11"CB
8"CB
14"CB
8"CB
11"
8"CB
8"CB
58"LO
39"HB
12"CB
11"LO
42"LO
10"CB
51"LAO
8"CB
21"LO

1-CC
1-CC
171-VO
1-MGD
1-MGD
1-MGD
1-CC
1-QO
1-CC
1-IAE
1-IAE
1-IAE
100-BX
1-CC
1-QO
1-CC
1-IAE
1-IAE
1-IAE
50-VOS

M

FIRE LANE 25'-0", TYP.

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

MATCHLINE LS-4

MATCHLINE LS-6

MATCHLINE LS-4

MATCHLINE LS-5

GRAPHIC SCALE
0 15 30 60

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SCALE: 1"=30'

VERIFY SCALE
BAR IS 1" INCH ON
ORIGINAL DRAWING
IF NOT ONE INCH ON
THIS SHEET ADJUST
SCALES ACCORDINGLY.
0 1"

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

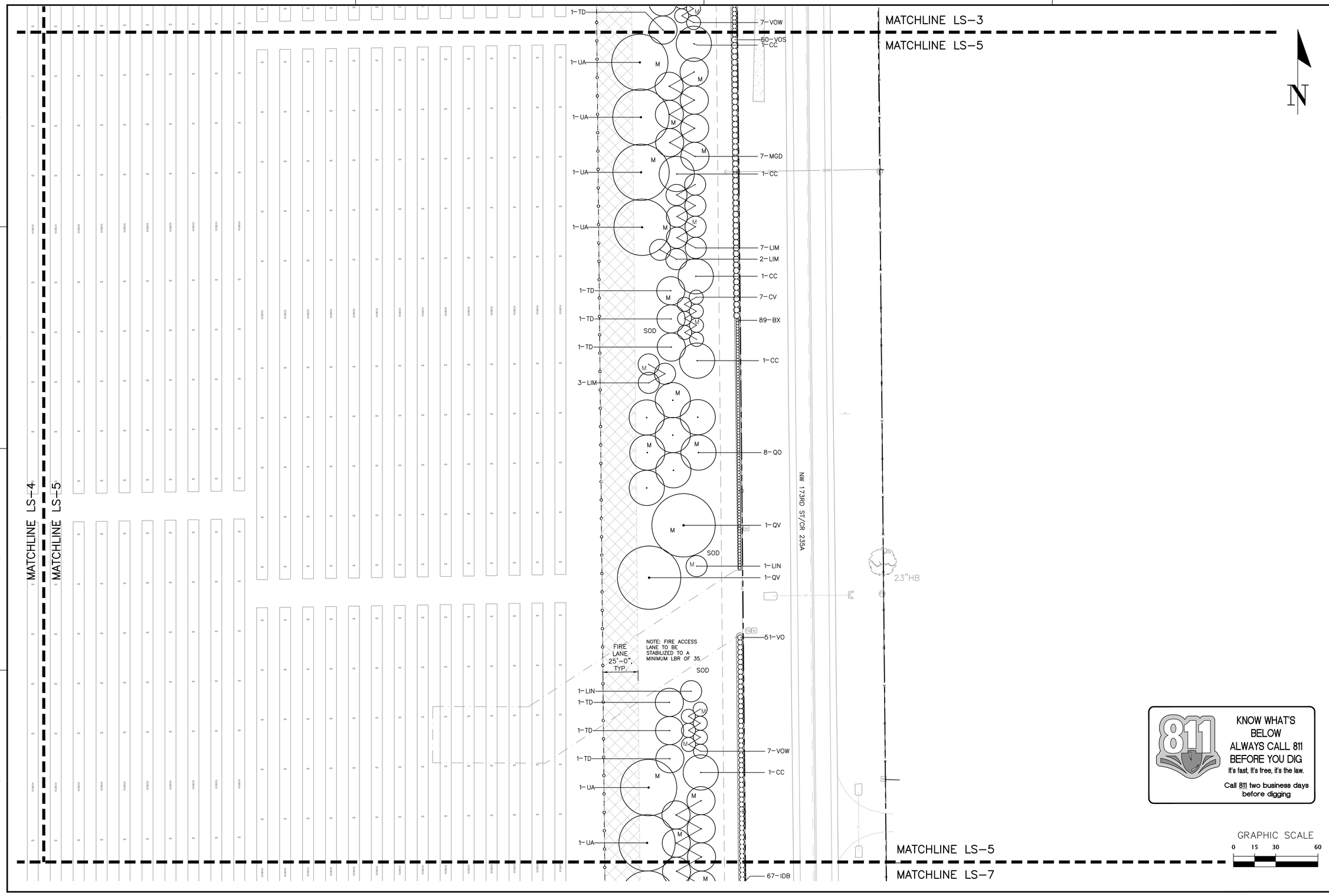
PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMMONS
LA6667436
STATE OF FLORIDA

SHEET NO.:
LS-4



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05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-5

MATCHLINE LS-4

MATCHLINE LS-6

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

FIRE LANE 25'-0", TYP.

67-IDB

112-VO
6-QO

7-PP

1-QV

1-QV

1-QV

1-QV

M

MATCHLINE LS-23

MATCHLINE LS-6

MATCHLINE LS-6

MATCHLINE LS-7

N

GRAPHIC SCALE
0 15 30 60

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SCALE: 1"=30'

VERIFY SCALE
BAR ON ANY SHEET
IF NOT ONE INCH ON
THIS SHEET ADJUST
SCALES ACCORDINGLY.

0 1"

CONSTRUCTION/BID REVISIONS:

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05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

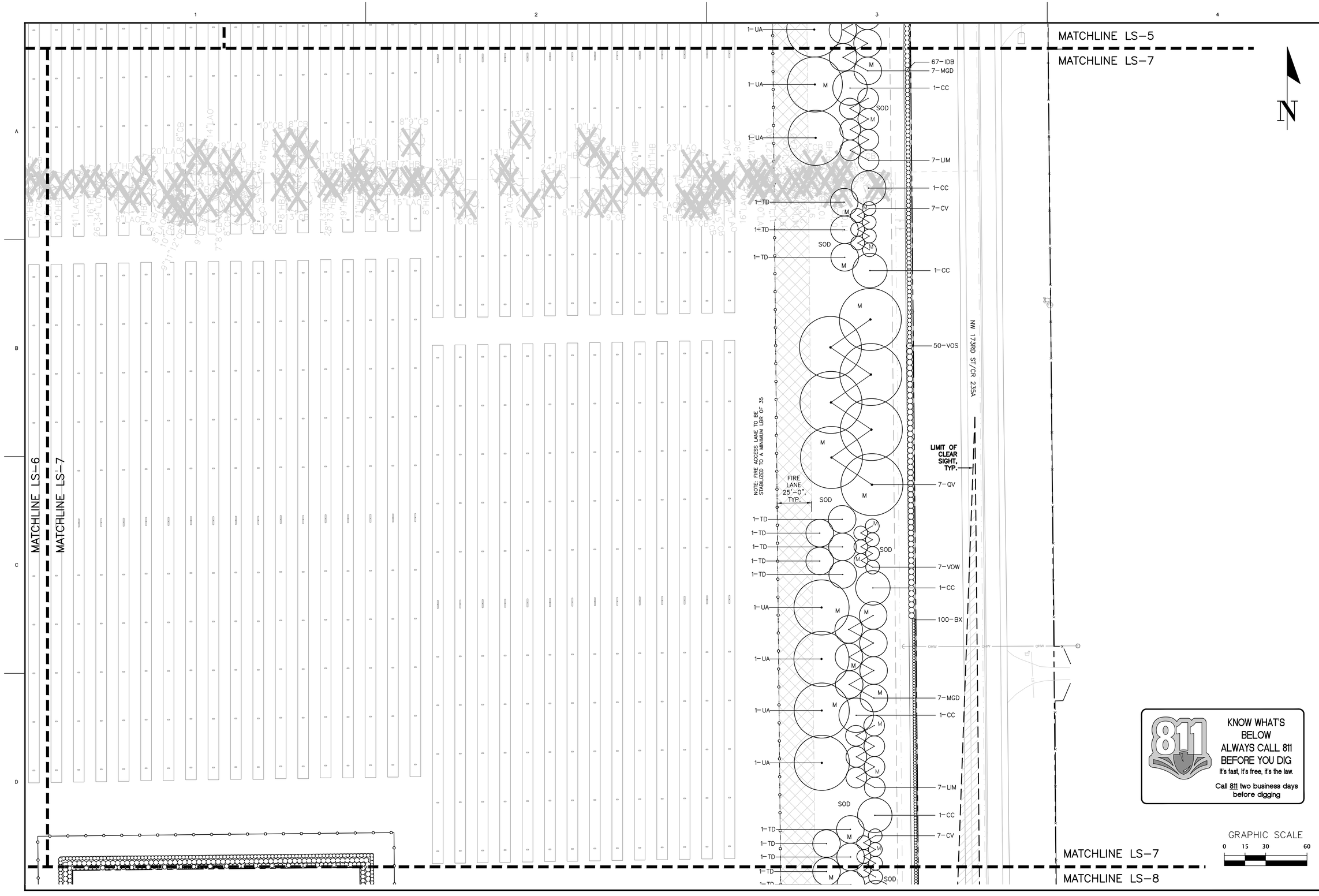
PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. KOSARIO
DESIGNER: L. KOSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.:
LS-6



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VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING

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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO

DESIGNER: L. ROSARIO

QUALITY CONTROL: JMS

PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-7

MATCHLINE LS-7

MATCHLINE LS-8

N

CEMETERY

100' BUFFER FROM 4' EXISTING CHAIN LINK FENCE FOR GRAVEYARD, TYP.

358-PM
248-VO
279-IDB

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

FIRE LANE 25'-0" TYP.

NW 173RD ST/CR 235A

10+00

11+00

11+70

1-TD
M
SOD
48-VO
1-CC
10-QO
1-LIN
1-QV
72-IDB
3-LIM
7-VOW
50-VOS
1-UA
7-MGD
7-LIM

LIMIT OF CLEAR SIGHT, TYP.

MATCHLINE LS-8

MATCHLINE LS-9

GRAPHIC SCALE
0 15 30 60

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SCALE: 1"=30'

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0 1"

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05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

SHEET NO.: LS-8

MATCHLINE LS-8

MATCHLINE LS-9

N

NW 173RD ST/CR 235A

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

FIRE LANE 25'-0", TYP.

BUFFER 100'-0", TYP.

SOD

1-CC
1-TD
100-BX
7-CV
3-LIM
7-QV
58-VO
7-VOW
1-UA
7-MGD
7-LIM
67-IDB
10-QO
8-MGD

8"CL

11"PCN

11"HB

MATCHLINE LS-9

MATCHLINE LS-10

GRAPHIC SCALE
0 15 30 60

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SCALE: 1"=30'

VERIFY SCALE
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0 1"

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05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

SHEET NO.: LS-9

MATCHLINE LS-9

MATCHLINE LS-10

8-MGD
1-TD
1-TD
1-TD
1-TD
1-TD
1-UA
1-UA
1-UA
1-UA
3-LIM
1-TD
1-TD
1-TD
1-TD
1-TD
1-TD
3-LIM
SOD
SOD
SOD
SOD
SOD
50-VOS
7-VOW
1-CC
7-MGD
1-CC
100-BX
7-LIM
1-CC
7-CV
1-CC
90-VO
10-QO
8-MGD
7-CV
3-QV
NW 173RD ST/CR 235A
13"HB
11"HB
FIRE LANE 25'-0", TYP.
NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

MATCHLINE LS-10

MATCHLINE LS-11

GRAPHIC SCALE
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0 1"

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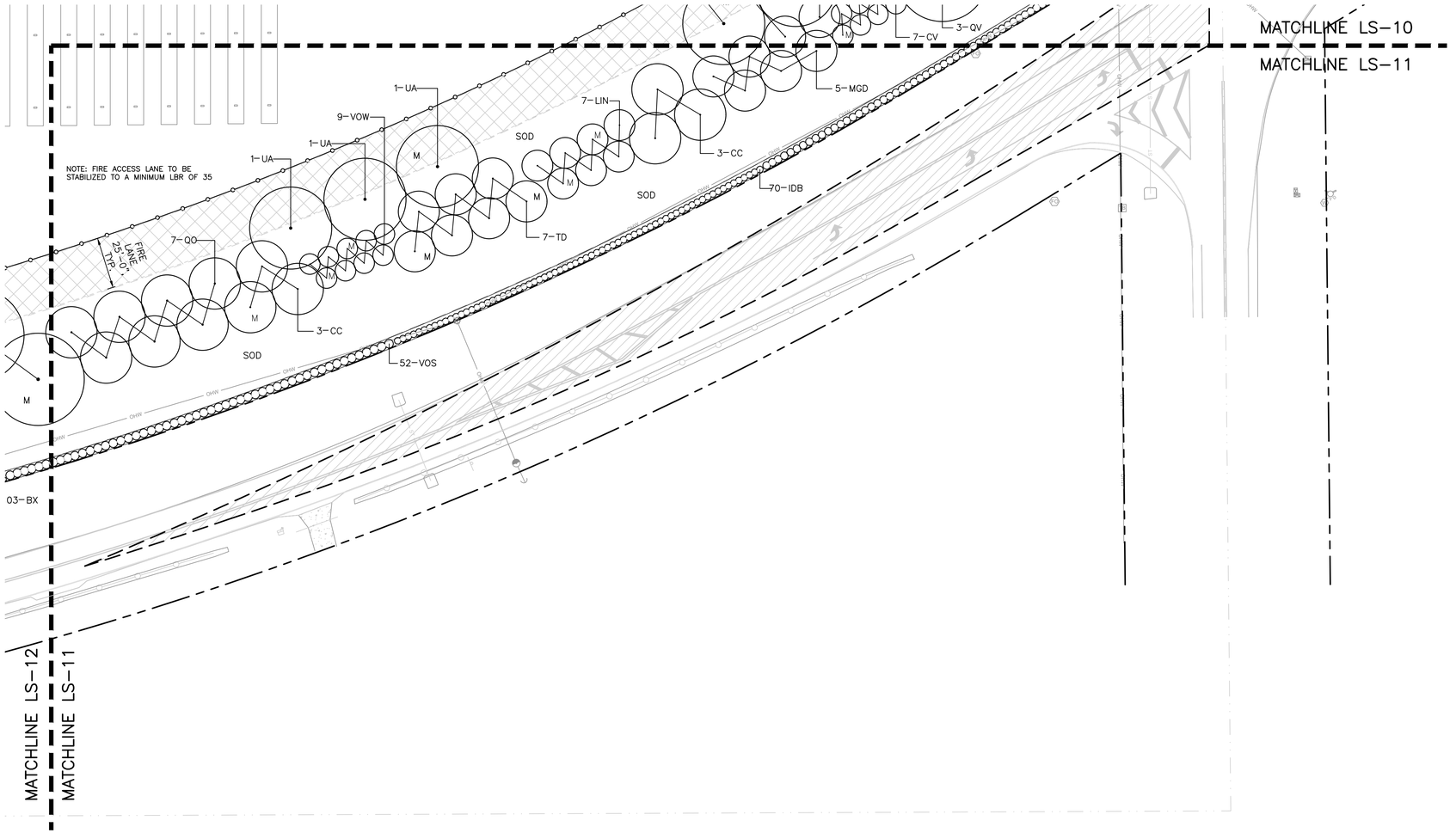
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-10



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0 1"

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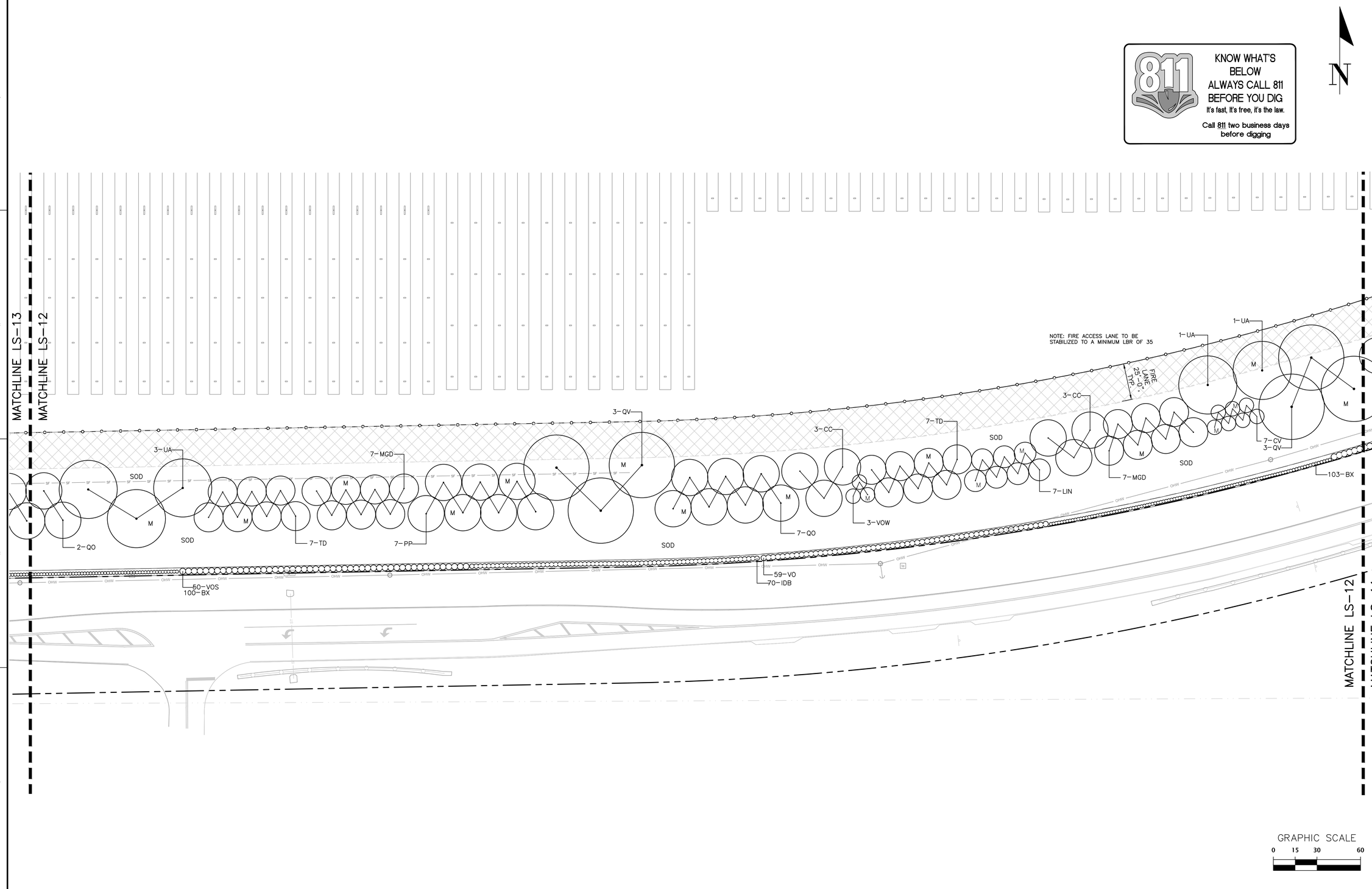
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-11



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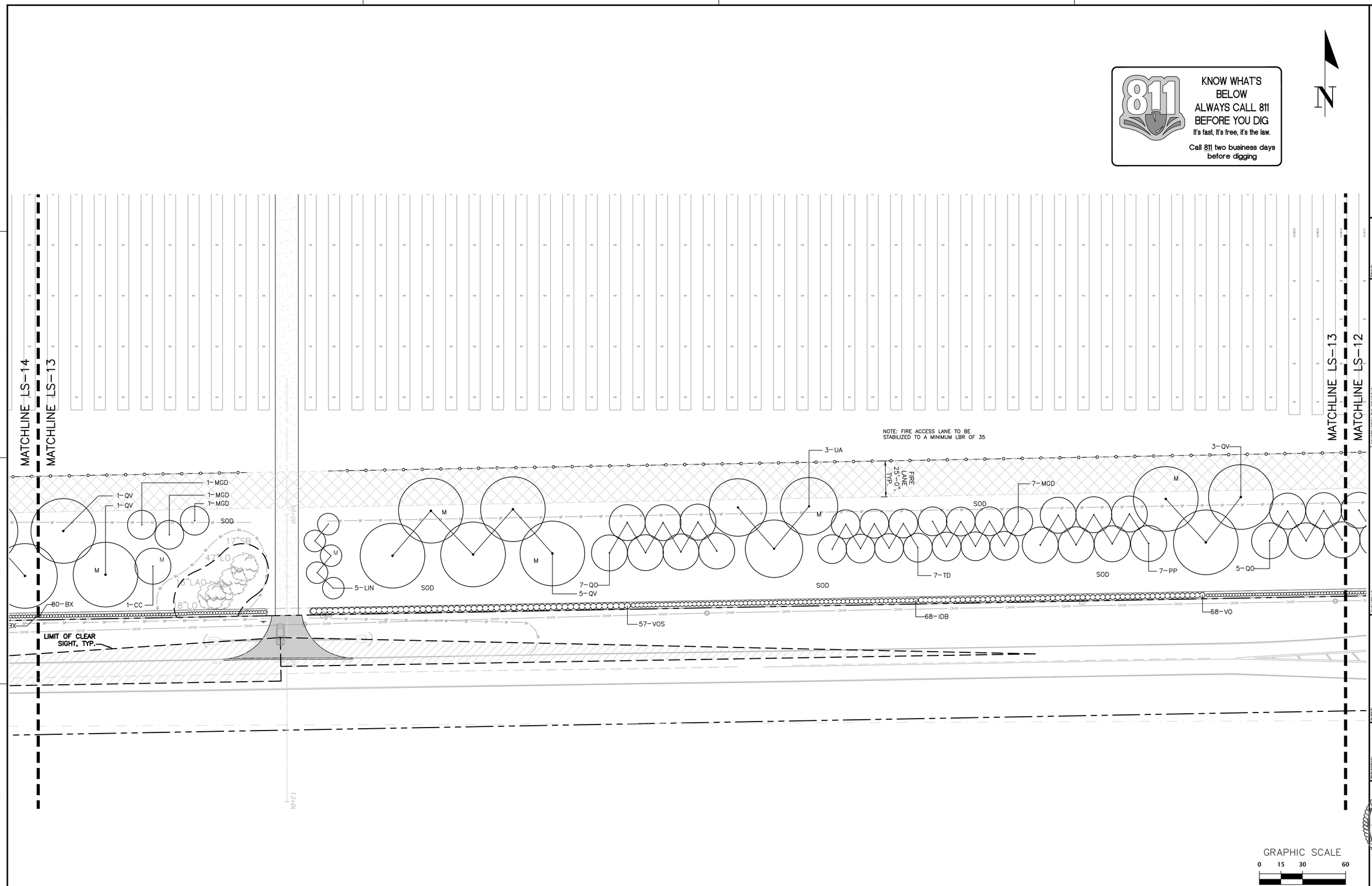
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-12



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0 1"

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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.:
LS-13

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MATCHLINE LS-15

MATCHLINE LS-14

MATCHLINE

MATCHLINE LS-14

MATCHLINE LS-13

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

FIRE LANE 25'-0" TYP.

57-IDB

1-CC

1-IAE

1-QV

3-IAE

1-CC

1-CC

1-CC

170-VO

4-QV

3-CC

M

LIMIT OF SOD, TYP.

SOD

71-BX

LIMIT OF CLEAR SIGHT, TYP.

GRAPHIC SCALE
0 15 30 60

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BAR ON EACH
SHEET IS ACCURATE
IF NOT ONE INCH ON
THIS SHEET ADJUST
SCALES ACCORDINGLY.
0 1"

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05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

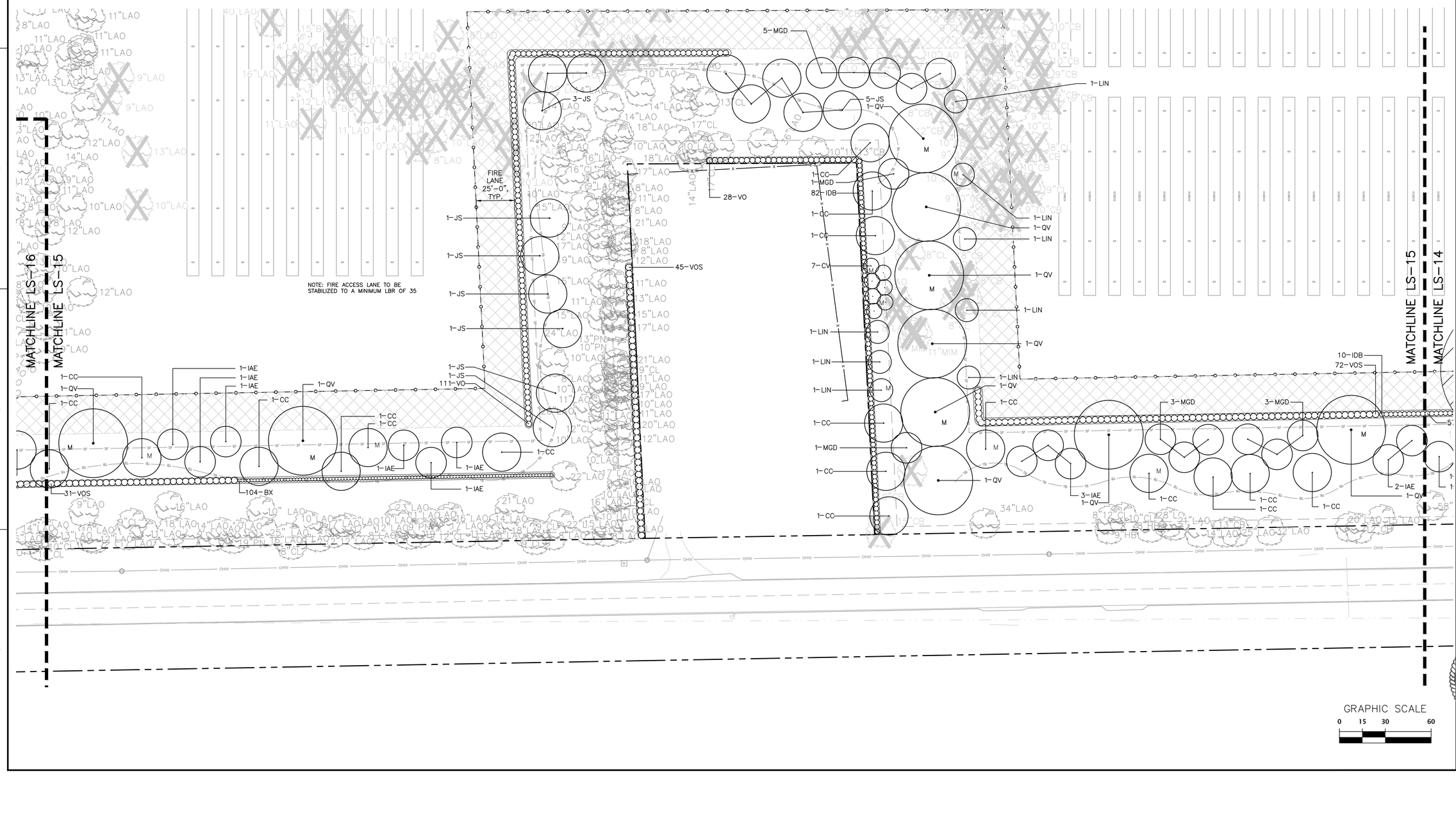
PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-14



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0 1" 2"

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05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

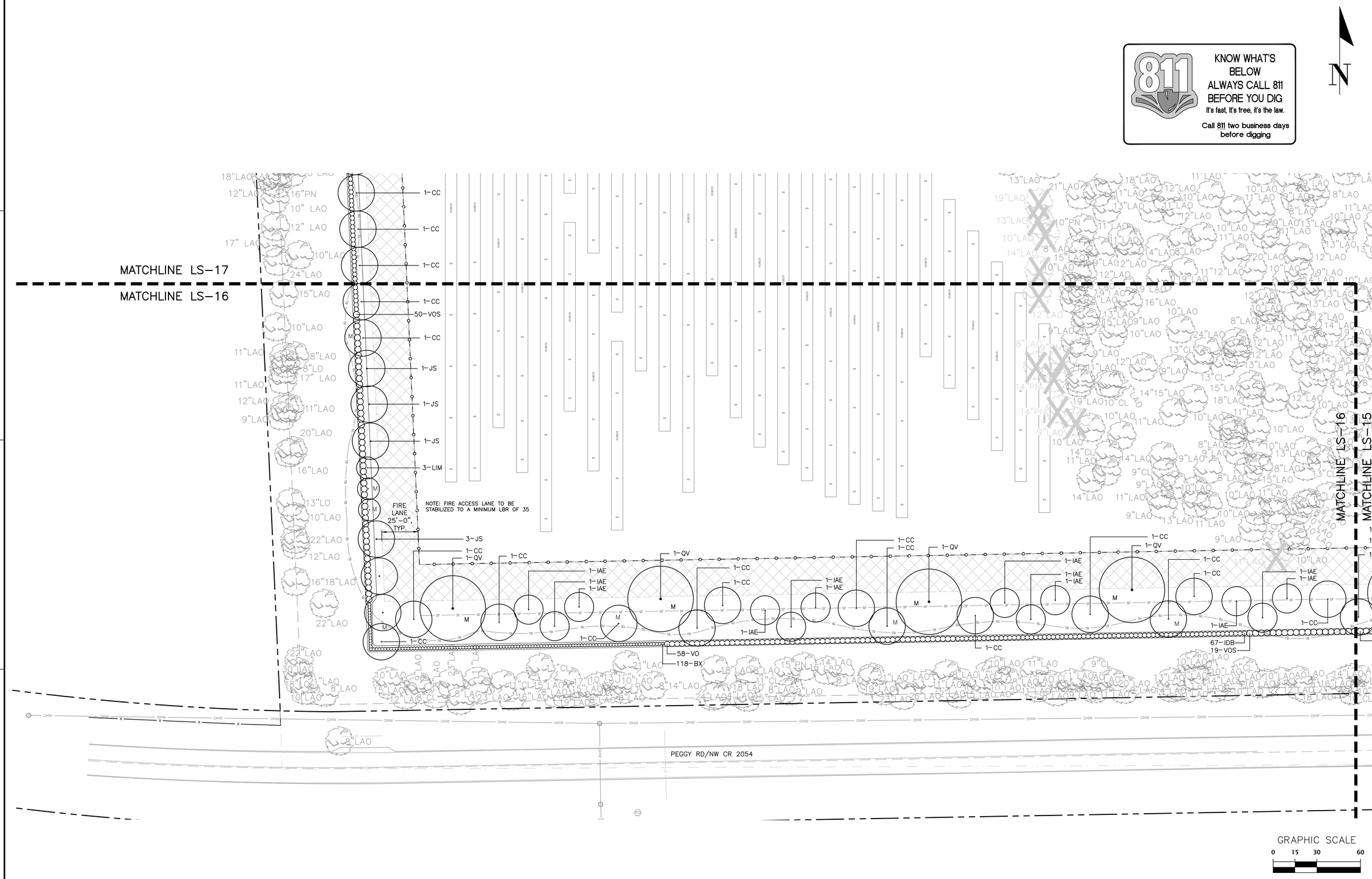
PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-15



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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-16

MATCHLINE LS-18

MATCHLINE LS-17

6-002-000
WNER:
NIEL TRUSTEE

6-VOW
1-VOW
1-CC
1-JS
1-JS
1-JS
1-CC
1-CC
1-CC
1-JS
100-BX
60-VO
1-JS
1-JS
4-LIN
3-CV
1-JS
3-LIN
67-IDB
1-JS
1-JS
1-JS
1-CC
1-CC
1-CC
1-CC
1-CC

FIRE LANE 25'-0", TYP.

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

MATCHLINE LS-17

MATCHLINE LS-16

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SCALE: 1"=30'

VERIFY SCALE
BAR ON ORIGINAL DRAWING
0 1" 2"
IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
09/14/2023 SUBMITTAL TO CITY OF ALACHUA
10/30/2024 SUBMITTAL TO CITY OF ALACHUA
05/02/2024 SUBMITTAL TO CITY OF ALACHUA
05/14/2024 SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

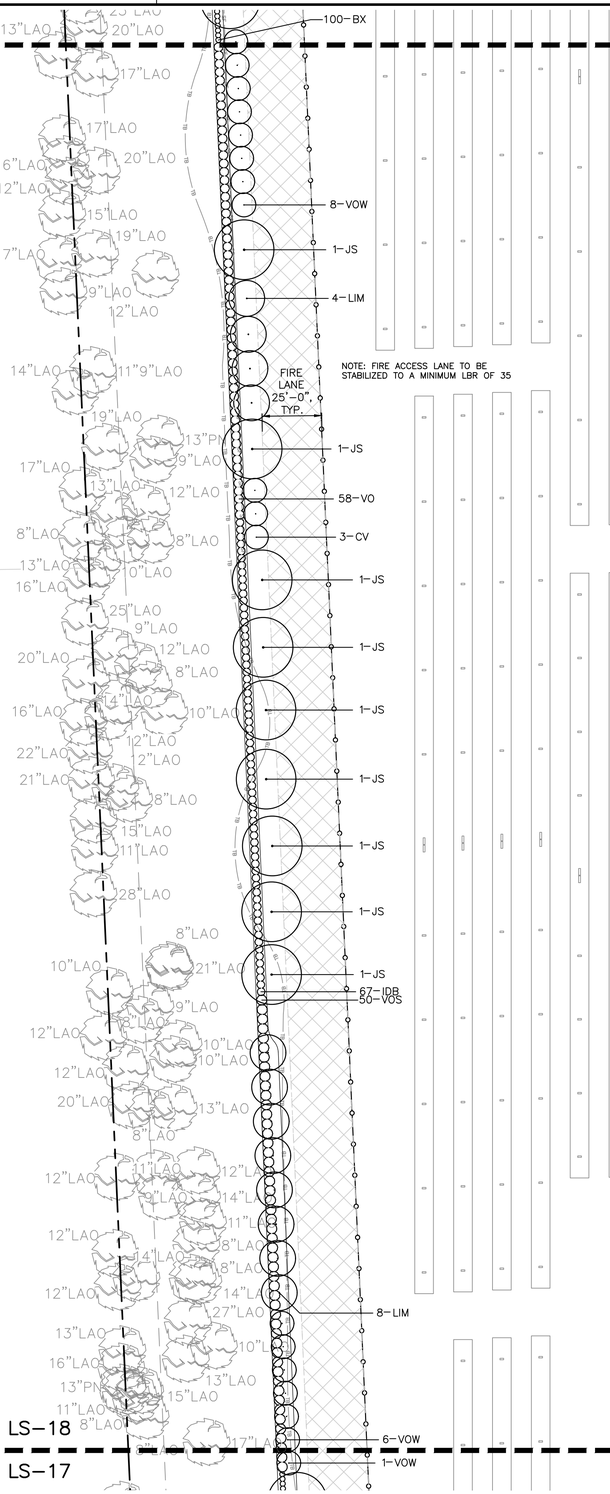
TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-17

MATCHLINE LS-19

MATCHLINE LS-18



MATCHLINE LS-18

MATCHLINE LS-17

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
09/14/2023 - SUBMITTAL TO CITY OF ALACHUA
04/01/2024 - SUBMITTAL TO CITY OF ALACHUA
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO

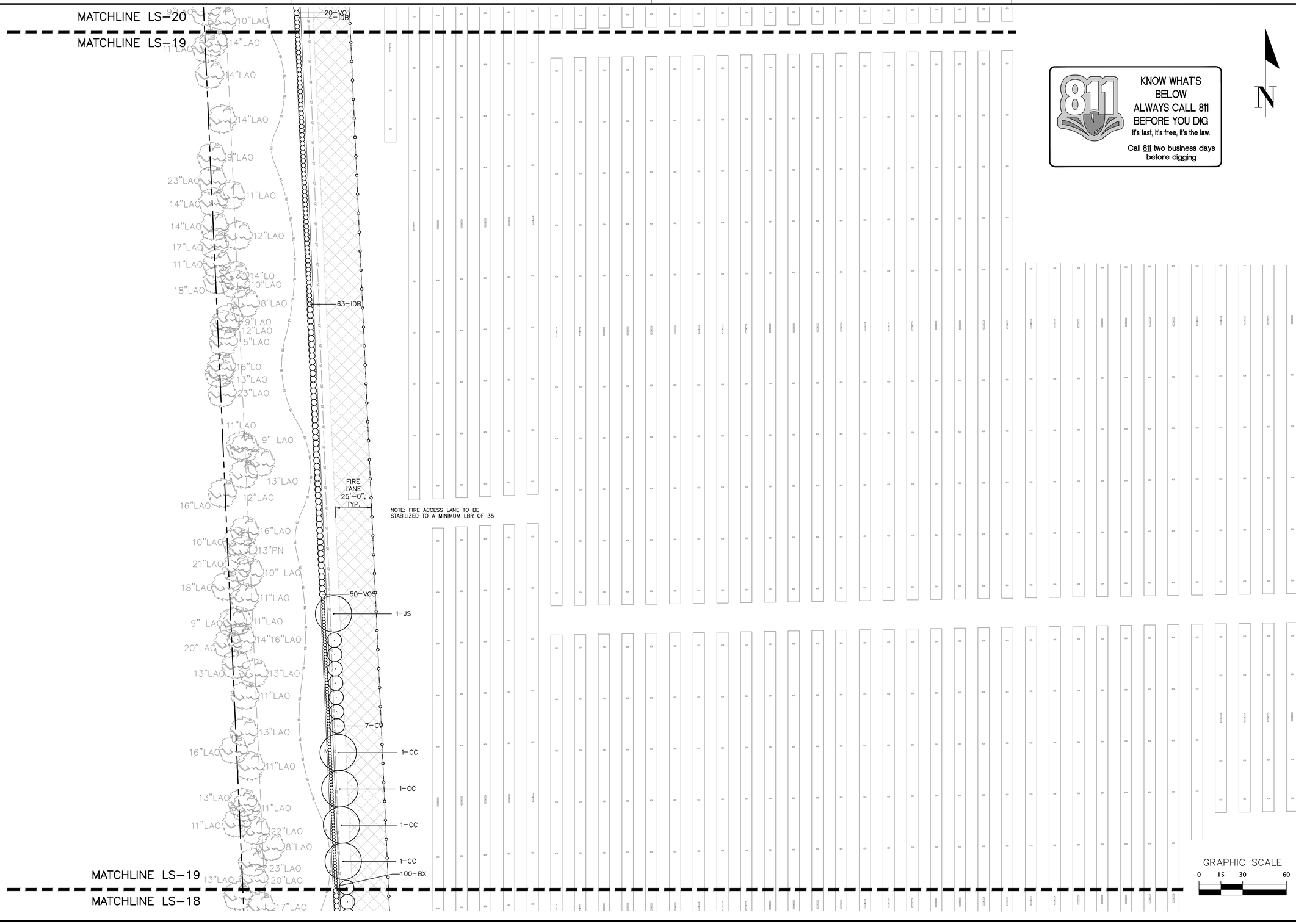
DESIGNER: L. ROSARIO

QUALITY CONTROL: JMS

PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-18



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CONSTRUCTION/BID REVISIONS:

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10/27/2023 - SUBMITTAL TO CITY OF ALACHUA
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO

DESIGNER: L. ROSARIO

QUALITY CONTROL: JMS

PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT JOHN MICHAEL SIMPSON LA6667436 STATE OF FLORIDA

SHEET NO.: LS-19

PARCEL ID: 03900-010-011
CURRENT OWNER:
BATTE JUSTIN & CANDACE LAUREN

CURRENT OWNER:
DELGADO & MILLER H/W

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

FIRE LANE 25'-0", TYP.

1-JS
51-VOS
67-IDB
58-VO
1-CC
155-BX
32-VO
20-VO
4-IDB

MATCHLINE LS-20
MATCHLINE LS-21
MATCHLINE LS-19

GRAPHIC SCALE
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0 1"

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
09/14/2023 - SUBMITTAL TO CITY OF ALACHUA
01/12/2024 - SUBMITTAL TO CITY OF ALACHUA
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-20

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SUBMITTALS:	CONSTRUCTION/BID REVISIONS:
09/14/2023 - SUBMITTAL TO CITY OF ALACHUA	
09/14/2023 - SUBMITTAL TO CITY OF ALACHUA	
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA	
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA	

CLIENT: PLEASANT SOLAR, LLC

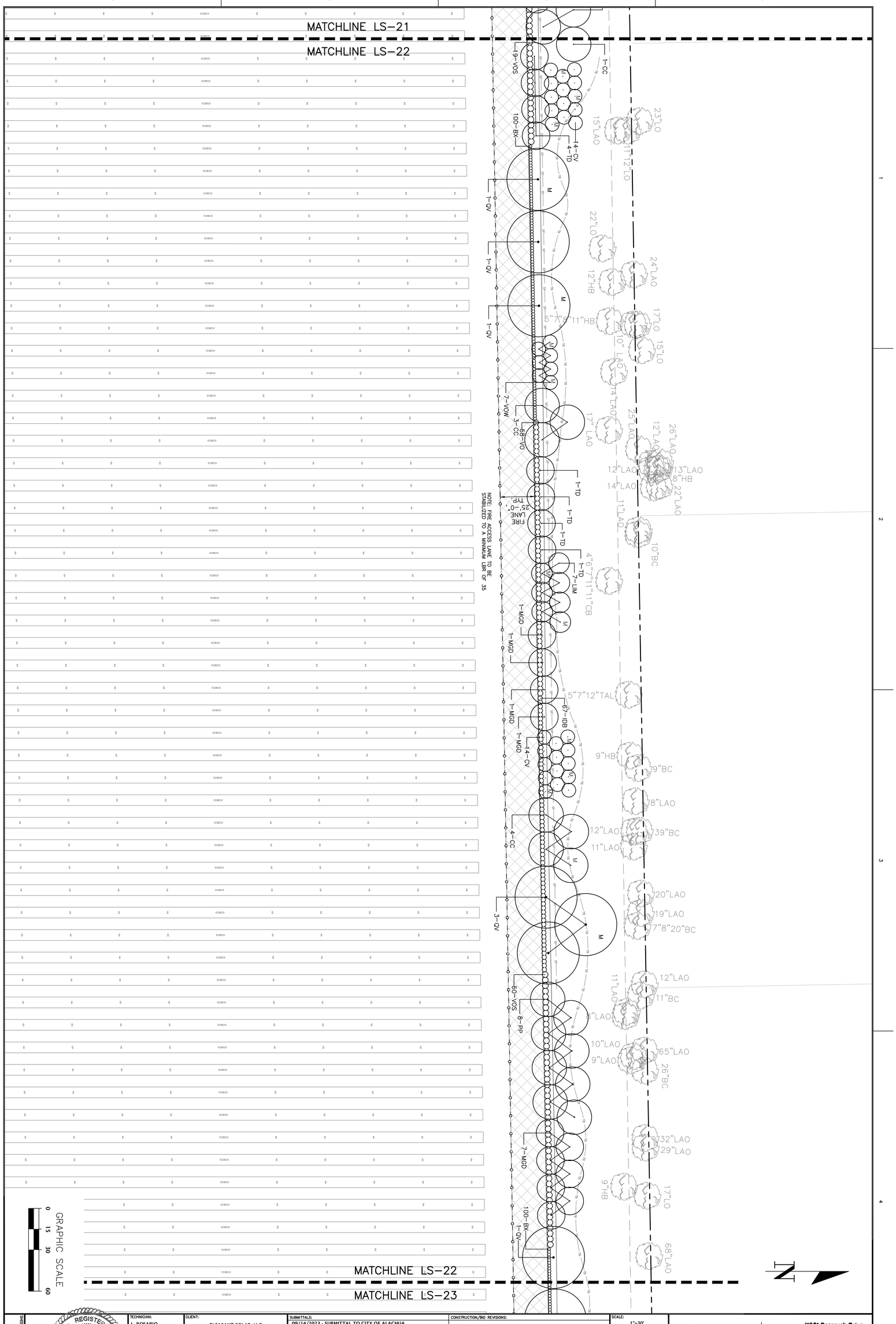
PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

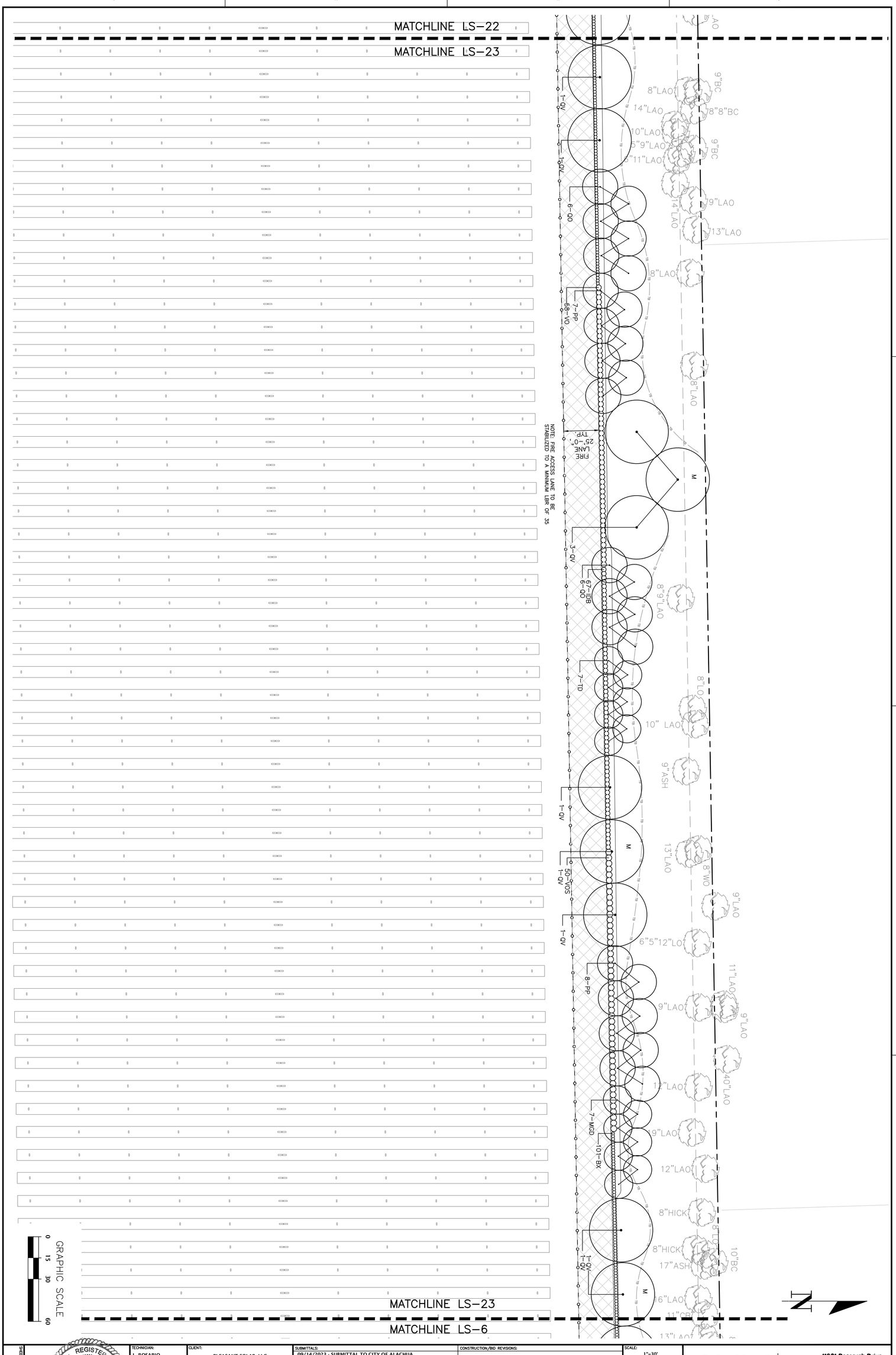
TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.:
LS-21



SHEET NO.: LS-22	REGISTERED LANDSCAPE ARCHITECT JOHN MICHAEL JOHNSON LA6667438 STATE OF FLORIDA	TECHNICIAN: L. ROSARIO DESIGNER: L. ROSARIO QUALITY CONTROL: JMS PROJECT NUMBER: 21-0275	CLIENT: PLEASANT SOLAR, LLC PROJECT: PLEASANT SOLAR SHEET TITLE: LANDSCAPE PLAN	SUBMITTALS: 09/14/2023 - SUBMITTAL TO CITY OF ALACHUA 03/07/2024 - SUBMITTAL TO CITY OF ALACHUA 05/02/2024 - SUBMITTAL TO CITY OF ALACHUA 05/14/2024 - SUBMITTAL TO CITY OF ALACHUA	CONSTRUCTION/BID REVISIONS:	SCALE: 1"=30' VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHW Professional Consultants	11801 Research Drive Alachua, Florida 32615 (352) 331-1976 www.chw-inc.com est. 1988 FLORIDA LA0001683



SHEET NO.: LS-23	REGISTERED LANDSCAPE ARCHITECT JOHN MICHAEL SIMPSON LA667438 STATE OF FLORIDA	TECHNICIAN: L. ROSARIO DESIGNER: L. ROSARIO QUALITY CONTROL: JMS PROJECT NUMBER: 21-0275	CLIENT: PLEASANT SOLAR, LLC PROJECT: PLEASANT SOLAR SHEET TITLE: LANDSCAPE PLAN	SUBMITTALS: 09/14/2023 - SUBMITTAL TO CITY OF ALACHUA 03/07/2024 - SUBMITTAL TO CITY OF ALACHUA 05/02/2024 - SUBMITTAL TO CITY OF ALACHUA 05/14/2024 - SUBMITTAL TO CITY OF ALACHUA	CONSTRUCTION/BID REVISIONS:	SCALE: 1"=30' VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHW Professional Consultants	11801 Research Drive Alachua, Florida 32615 (352) 331-1976 www.chw-inc.com est. 1988 FLORIDA LA0001683

TREE MITIGATION CALCULATIONS

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
19108	17"CL	Prunus caroliniana	Cherry Laurel	2
19114	14"CL	Prunus caroliniana	Cherry Laurel	2
19115	12"CL	Prunus caroliniana	Cherry Laurel	2
19116	13"CL	Prunus caroliniana	Cherry Laurel	2
19118	16"CL	Prunus caroliniana	Cherry Laurel	2
19119	4"10"CL	Prunus caroliniana	Cherry Laurel	2
19124	10"LAO	Quercus laurifolia	Laurel Oak	2
19125	16"CL	Prunus caroliniana	Cherry Laurel	2
19126	11"LAO	Quercus laurifolia	Laurel Oak	2
19128	10"CL	Prunus caroliniana	Cherry Laurel	2
19130	22"LAO	Quercus laurifolia	Laurel Oak	2
19132	16"LAO	Quercus laurifolia	Laurel Oak	2
19133	9"10"LAO	Quercus laurifolia	Laurel Oak	2
19134	17"LAO	Quercus laurifolia	Laurel Oak	2
19139	13"SG	Liquidambar stryaciflua	Sweetgum	2
19140	14"LAO	Quercus laurifolia	Laurel Oak	2
19141	14"LAO	Quercus laurifolia	Laurel Oak	2
19142	26"LAO	Quercus laurifolia	Laurel Oak	2
19143	21"LAO	Quercus laurifolia	Laurel Oak	2
37760	12"LAO	Quercus laurifolia	Laurel Oak	2
37761	19"SG	Liquidambar stryaciflua	Sweetgum	2
37762	20"LAO	Quercus laurifolia	Laurel Oak	2
37764	18"SG	Liquidambar stryaciflua	Sweetgum	2
37783	15"16"24"LO	Quercus virginiana	Live Oak	2
37784	29"LO	Quercus virginiana	Live Oak	2
37785	18"LO	Quercus virginiana	Live Oak	2
37788	20"LO	Quercus virginiana	Live Oak	2
37791	18"LAO	Quercus laurifolia	Laurel Oak	2
37793	20"LO	Quercus virginiana	Live Oak	2
37794	26"LO	Quercus virginiana	Live Oak	2
37795	10"HIC	Carya glabra	Hickory	2
37796	11"HIC	Carya glabra	Hickory	2
37797	15"23"LO	Quercus virginiana	Live Oak	2
37814	11"LAO	Quercus laurifolia	Laurel Oak	2
37815	14"LAO	Quercus laurifolia	Laurel Oak	2
37816	12"LAO	Quercus laurifolia	Laurel Oak	2
37817	10"LAO	Quercus laurifolia	Laurel Oak	2
37818	14"LAO	Quercus laurifolia	Laurel Oak	2
37819	26"LAO	Quercus laurifolia	Laurel Oak	2
37821	20"LAO	Quercus laurifolia	Laurel Oak	2
37822	20"LAO	Quercus laurifolia	Laurel Oak	2
37823	10"LAO	Quercus laurifolia	Laurel Oak	2
37825	20"LAO	Quercus laurifolia	Laurel Oak	2
37839	14"LAO	Quercus laurifolia	Laurel Oak	2
37840	10"LAO	Quercus laurifolia	Laurel Oak	2
37841	10"LAO	Quercus laurifolia	Laurel Oak	2
37843	12"LAO	Quercus laurifolia	Laurel Oak	2
37844	22"LAO	Quercus laurifolia	Laurel Oak	2
37853	12"LAO	Quercus laurifolia	Laurel Oak	2
37854	22"LAO	Quercus laurifolia	Laurel Oak	2
37857	22"SG	Liquidambar stryaciflua	Sweetgum	2
37861	26"SG	Liquidambar stryaciflua	Sweetgum	2
37864	16"SG	Liquidambar stryaciflua	Sweetgum	2
37866	16"SG	Liquidambar stryaciflua	Sweetgum	2
37867	17"LAO	Quercus laurifolia	Laurel Oak	2
37868	12"16"SG	Liquidambar stryaciflua	Sweetgum	2
37869	14"LO	Quercus virginiana	Live Oak	2
37871	10"LO	Quercus virginiana	Live Oak	2
37876	16"LO	Quercus virginiana	Live Oak	2
37877	17"LAO	Quercus laurifolia	Laurel Oak	2
37878	17"LAO	Quercus laurifolia	Laurel Oak	2
37884	18"LAO	Quercus laurifolia	Laurel Oak	2
37885	11"LAO	Quercus laurifolia	Laurel Oak	2
37886	10"LO	Quercus virginiana	Live Oak	2
37887	18"LO	Quercus virginiana	Live Oak	2
37889	14"LO	Quercus virginiana	Live Oak	2
37892	21"LAO	Quercus laurifolia	Laurel Oak	2
37893	15"HIC	Carya glabra	Hickory	2
37894	11"HIC	Carya glabra	Hickory	2
37897	27"LO	Quercus virginiana	Live Oak	2
37898	18"SG	Liquidambar stryaciflua	Sweetgum	2
37899	27"LO	Quercus virginiana	Live Oak	2
37900	11"SG	Liquidambar stryaciflua	Sweetgum	2
37902	13"LAO	Quercus laurifolia	Laurel Oak	2
37903	25"LO	Quercus virginiana	Live Oak	2
37904	25"LO	Quercus virginiana	Live Oak	2
37908	19"LAO	Quercus laurifolia	Laurel Oak	2
37913	14"LAO	Quercus laurifolia	Laurel Oak	2
37914	18"LAO	Quercus laurifolia	Laurel Oak	2
37916	13"LAO	Quercus laurifolia	Laurel Oak	2
37917	28"LAO	Quercus laurifolia	Laurel Oak	2
38002	21"LAO	Quercus laurifolia	Laurel Oak	2
38004	10"LAO	Quercus laurifolia	Laurel Oak	2
38011	11"LAO	Quercus laurifolia	Laurel Oak	2
38013	29"LAO	Quercus laurifolia	Laurel Oak	2
38018	23"LAO	Quercus laurifolia	Laurel Oak	2
38019	16"LAO	Quercus laurifolia	Laurel Oak	2
38022	13"LAO	Quercus laurifolia	Laurel Oak	2
38023	13"LAO	Quercus laurifolia	Laurel Oak	2
38036	12"LAO	Quercus laurifolia	Laurel Oak	2

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
38040	11"LAO	Quercus laurifolia	Laurel Oak	2
38041	14"LAO	Quercus laurifolia	Laurel Oak	2
38049	19"LAO	Quercus laurifolia	Laurel Oak	2
38050	16"LAO	Quercus laurifolia	Laurel Oak	2
38054	12"LAO	Quercus laurifolia	Laurel Oak	2
38055	12"LAO	Quercus laurifolia	Laurel Oak	2
38061	25"LAO	Quercus laurifolia	Laurel Oak	2
38078	20"LAO	Quercus laurifolia	Laurel Oak	2
38087	5"14"LAO	Quercus laurifolia	Laurel Oak	2
38092	19"LAO	Quercus laurifolia	Laurel Oak	2
38093	10"LO	Quercus virginiana	Live Oak	2
38100	28"LAO	Quercus laurifolia	Laurel Oak	2
38108	11"LAO	Quercus laurifolia	Laurel Oak	2
38258	12"LAO	Quercus laurifolia	Laurel Oak	2
38259	4"6"10"MAG	Magnolia grandiflora	Magnolia	2
38260	6"10"MAG	Magnolia grandiflora	Magnolia	2
38268	5"5"11"LAO	Quercus laurifolia	Laurel Oak	2
38269	10"LAO	Quercus laurifolia	Laurel Oak	2
38276	14"LAO	Quercus laurifolia	Laurel Oak	2
38286	10"8"5"LAO	Quercus laurifolia	Laurel Oak	2
38302	14"LAO	Quercus laurifolia	Laurel Oak	2
38303	10"LAO	Quercus laurifolia	Laurel Oak	2
38304	11"15"LAO	Quercus laurifolia	Laurel Oak	2
38305	21"LAO	Quercus laurifolia	Laurel Oak	2
38307	28"LO	Quercus virginiana	Live Oak	2
38308	20"LO	Quercus virginiana	Live Oak	2
38309	17"LAO	Quercus laurifolia	Laurel Oak	2
38310	10"LAO	Quercus laurifolia	Laurel Oak	2
38311	10"LAO	Quercus laurifolia	Laurel Oak	2
38312	10"LAO	Quercus laurifolia	Laurel Oak	2
38313	26"LAO	Quercus laurifolia	Laurel Oak	2
38316	20"LAO	Quercus laurifolia	Laurel Oak	2
38317	14"LAO	Quercus laurifolia	Laurel Oak	2
38319	12"17"LO	Quercus virginiana	Live Oak	2
38321	12"LO	Quercus virginiana	Live Oak	2
38337	12"12"LAO	Quercus laurifolia	Laurel Oak	2
50018	24"CL	Prunus caroliniana	Cherry Laurel	2
50030	14"CL	Prunus caroliniana	Cherry Laurel	2
50055	14"LAO	Quercus laurifolia	Laurel Oak	2
50066	9"10"CL	Prunus caroliniana	Cherry Laurel	2
50070	11"LAO	Quercus laurifolia	Laurel Oak	2
60031	11"LAO	Quercus laurifolia	Laurel Oak	2
60066	12"LAO	Quercus laurifolia	Laurel Oak	2
60067	14"LAO	Quercus laurifolia	Laurel Oak	2
60077	10"LAO	Quercus laurifolia	Laurel Oak	2
60078	13"LAO	Quercus laurifolia	Laurel Oak	2
60079	19"LAO	Quercus laurifolia	Laurel Oak	2
60140	13"LAO	Quercus laurifolia	Laurel Oak	2
60141	16"LAO	Quercus laurifolia	Laurel Oak	2
60192	10"LAO	Quercus laurifolia	Laurel Oak	2
60193	13"LAO	Quercus laurifolia	Laurel Oak	2
110820	12"LAO	Quercus laurifolia	Laurel Oak	2
110821	15"LAO	Quercus laurifolia	Laurel Oak	2
110822	25"CL	Prunus caroliniana	Cherry Laurel	2
110823	18"LAO	Quercus laurifolia	Laurel Oak	2
110824	21"LAO	Quercus laurifolia	Laurel Oak	2
110833	13"LAO	Quercus laurifolia	Laurel Oak	2
110834	10"LAO	Quercus laurifolia	Laurel Oak	2
110836	14"LAO	Quercus laurifolia	Laurel Oak	2
110837	14"LAO	Quercus laurifolia	Laurel Oak	2
110838	10"CL	Prunus caroliniana	Cherry Laurel	2
110839	10"CL	Prunus caroliniana	Cherry Laurel	2
110840	11"LAO	Quercus laurifolia	Laurel Oak	2
110841	12"LAO	Quercus laurifolia	Laurel Oak	2
110842	16"LAO	Quercus laurifolia	Laurel Oak	2
110843	10"LAO	Quercus laurifolia	Laurel Oak	2
110844	10"LAO	Quercus laurifolia	Laurel Oak	2
110845	13"LAO	Quercus laurifolia	Laurel Oak	2
110846	15"LAO	Quercus laurifolia	Laurel Oak	2
110848	12"LAO	Quercus laurifolia	Laurel Oak	2
110849	29"LO	Quercus virginiana	Live Oak	2
110850	14"LAO	Quercus laurifolia	Laurel Oak	2
110851	24"LO	Quercus virginiana	Live Oak	2
110852	13"CL	Prunus caroliniana	Cherry Laurel	2
111376	28"LAO	Quercus laurifolia	Laurel Oak	2
111377	14"LAO	Quercus laurifolia	Laurel Oak	2
111378	14"LAO	Quercus laurifolia	Laurel Oak	2
111380	10"LAO	Quercus laurifolia	Laurel Oak	2
111381	10"LAO	Quercus laurifolia	Laurel Oak	2
111384	26"LAO	Quercus laurifolia	Laurel Oak	2
111385	28"LAO	Quercus laurifolia	Laurel Oak	2
111388	8"11"LAO	Quercus laurifolia	Laurel Oak	2
111390	11"LAO	Quercus laurifolia	Laurel Oak	2
111391	26"LAO	Quercus laurifolia	Laurel Oak	2
111393	10"CL	Prunus caroliniana	Cherry Laurel	2
111394	10"LAO	Quercus laurifolia	Laurel Oak	2
111396	10"LAO	Quercus laurifolia	Laurel Oak	2
111399	27"LAO	Quercus laurifolia	Laurel Oak	2
111400	10"LO	Quercus virginiana	Live Oak	2
111402	10"LAO	Quercus laurifolia	Laurel Oak	2

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
111403	12"LAO	Quercus laurifolia	Laurel Oak	2
111404	15"LO	Quercus virginiana	Live Oak	2
111405	14"LO	Quercus virginiana	Live Oak	2
111407	22"LAO	Quercus laurifolia	Laurel Oak	2
111408	28"CL	Prunus caroliniana	Cherry Laurel	2
111409	14"LAO	Quercus laurifolia	Laurel Oak	2
111410	28"LAO	Quercus laurifolia	Laurel Oak	2
111411	18"LO	Quercus virginiana	Live Oak	2
111412	27"LO	Quercus virginiana	Live Oak	2
111413	12"LAO	Quercus laurifolia	Laurel Oak	2
111415	20"LAO	Quercus laurifolia	Laurel Oak	2
111416	17"LO	Quercus virginiana	Live Oak	2
111419	19"LAO	Quercus laurifolia	Laurel Oak	2
111420	16"LAO	Quercus laurifolia	Laurel Oak	2
111421	13"LAO	Quercus laurifolia	Laurel Oak	2
111422	17"LAO	Quercus laurifolia	Laurel Oak	2
111423	28"LAO	Quercus laurifolia	Laurel Oak	2
111424	27"LAO	Quercus laurifolia	Laurel Oak	2
111425	14"LO	Quercus virginiana	Live Oak	2
111426	29"LAO	Quercus laurifolia	Laurel Oak	2
111429	16"LO	Quercus virginiana	Live Oak	2
111430	10"LO	Quercus virginiana	Live Oak	2
111431	13"CL	Prunus caroliniana	Cherry Laurel	2
111432	12"LAO	Quercus laurifolia	Laurel Oak	2
111433	19"LAO	Quercus laurifolia	Laurel Oak	2
111440	11"LAO	Quercus laurifolia	Laurel Oak	2
111441	13"LAO	Quercus laurifolia	Laurel Oak	2
111442	25"LAO	Quercus laurifolia	Laurel Oak	2
111443	10"LAO	Quercus laurifolia	Laurel Oak	2
111444	15"LAO	Quercus laurifolia	Laurel Oak	2
111445	28"CL	Prunus caroliniana	Cherry Laurel	2
111447	12"LAO	Quercus laurifolia	Laurel Oak	2
111448	10"LAO	Quercus laurifolia	Laurel Oak	2
111449	18"18"CL	Prunus caroliniana	Cherry Laurel	2
111451	16"LAO	Quercus laurifolia	Laurel Oak	2
111452	12"LAO	Quercus laurifolia	Laurel Oak	2
111454	10"LAO	Quercus laurifolia	Laurel Oak	2
111455	16"LAO	Quercus laurifolia	Laurel Oak	2
111456	18"LAO	Quercus laurifolia	Laurel Oak	2
111457	23"LAO	Quercus laurifolia	Laurel Oak	2
111458	13"LAO	Quercus laurifolia	Laurel Oak	2
111459	22"LAO	Quercus laurifolia	Laurel Oak	2
111460	12"LAO	Quercus laurifolia	Laurel Oak	2
111461	14"LAO	Quercus laurifolia	Laurel Oak	2
111462	22"LAO	Quercus laurifolia	Laurel Oak	2
111464	22"LAO	Quercus laurifolia	Laurel Oak	2
111467	16"LAO	Quercus laurifolia	Laurel Oak	2
111468	10"LAO	Quercus laurifolia	Laurel Oak	2
111470	17"RO	Quercus falcata	Red Oak	2
111474	11"LAO	Quercus laurifolia	Laurel Oak	2
111475	15"LAO	Quercus laurifolia	Laurel Oak	2
111476	12"LAO	Quercus laurifolia	Laurel Oak	2
111477	11"LAO	Quercus laurifolia	Laurel Oak	2
111478	22"LAO	Quercus laurifolia	Laurel Oak	2
111479	16"LAO	Quercus laurifolia	Laurel Oak	2
111480	10"LAO	Quercus laurifolia	Laurel Oak	2
111481	12"LAO	Quercus laurifolia	Laurel Oak	2
111483	28"LAO	Quercus laurifolia	Laurel Oak	2
111484	11"LAO	Quercus laurifolia	Laurel Oak	2
111485	25"LAO	Quercus laurifolia	Laurel Oak	2
111486	18"LAO	Quercus laurifolia	Laurel Oak	2
111488	19"LAO	Quercus laurifolia	Laurel Oak	2
111489	22"LAO	Quercus laurifolia	Laurel Oak	2
111490	15"LAO	Quercus laurifolia	Laurel Oak	2
111491	12"CL	Prunus caroliniana	Cherry Laurel	2
111492	15"CL	Prunus caroliniana	Cherry Laurel	2
111493	23"LAO	Quercus laurifolia	Laurel Oak	2
111494	15"HIC	Carya glabra	Hickory	2
111496	10"LAO	Quercus laurifolia	Laurel Oak	2
111497	24"LAO	Quercus laurifolia	Laurel Oak	2
111498	28"LAO	Quercus laurifolia	Laurel Oak	2
111499	12"CL	Prunus caroliniana	Cherry Laurel	2
111500	12"LAO	Quercus laurifolia	Laurel Oak	2
111501	19"LAO	Quercus laurifolia	Laurel Oak	2
111502	14"24"LAO	Quercus laurifolia	Laurel Oak	2
111503	11"LAO	Quercus laurifolia	Laurel Oak	2
111505	13"CL	Prunus caroliniana	Cherry Laurel	2
111506	10"CL	Prunus caroliniana	Cherry Laurel	2
111510	10"LAO	Quercus laurifolia	Laurel Oak	2
111512	10"LAO	Quercus laurifolia	Laurel Oak	2
111515	19"LO	Quercus virginiana	Live Oak	2
111516	15"LAO	Quercus laurifolia	Laurel Oak	2
111517	21"LAO	Quercus laurifolia	Laurel Oak	2
111518	10" LAO	Quercus laurifolia	Laurel Oak	2
111519	14"LAO	Quercus laurifolia	Laurel Oak	2
111520	11"LAO	Quercus laurifolia	Laurel Oak	2
111521	11"CL	Prunus caroliniana	Cherry Laurel	2
111522	15"CL	Prunus caroliniana	Cherry Laurel	2
111523	28"LAO	Quercus laurifolia	Laurel Oak	2
111524	10"LAO	Quercus laurifolia	Laurel Oak	2

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
111525	20"LAO	Quercus laurifolia	Laurel Oak	2
111528	16"LAO	Quercus laurifolia	Laurel Oak	2
111529	11"CL	Prunus caroliniana	Cherry Laurel	2
111530	10"CL	Prunus caroliniana	Cherry Laurel	2
111531	24"LAO	Quercus laurifolia	Laurel Oak	2
111532	14"LAO	Quercus laurifolia	Laurel Oak	2
111533	21"LAO	Quercus laurifolia	Laurel Oak	2
111534	20"LAO	Quercus laurifolia	Laurel Oak	2
111535	14"LAO	Quercus laurifolia	Laurel Oak	2
111536	14"CL	Prunus caroliniana	Cherry Laurel	2
111538	25"LAO	Quercus laurifolia	Laurel Oak	2
111539	11"LAO	Quercus laurifolia	Laurel Oak	2
111540	23"LAO	Quercus laurifolia	Laurel Oak	2
111541	13"CL	Prunus caroliniana	Cherry Laurel	2
111542	27"LAO	Quercus laurifolia	Laurel Oak	2
111543	12"CL	Prunus caroliniana	Cherry Laurel	2
111545	13"CL	Prunus caroliniana	Cherry Laurel	2
111546	26"LAO	Quercus laurifolia	Laurel Oak	2
111548	15"LAO	Quercus laurifolia	Laurel Oak	2
111549	19"LAO	Quercus laurifolia	Laurel Oak	2
111550	25"LAO	Quercus laurifolia	Laurel Oak	2
111551	13"LO	Quercus virginiana	Live Oak	2
111552	11"LAO	Quercus laurifolia	Laurel Oak	2
111553	12" LAO	Quercus laurifolia	Laurel Oak	2
111554	15"LAO	Quercus laurifolia	Laurel Oak	2
111555	13"CL	Prunus caroliniana	Cherry Laurel	2
111556	11"LAO	Quercus laurifolia	Laurel Oak	2
111558	16"LAO	Quercus laurifolia	Laurel Oak	2
111562	12"LAO	Quercus laurifolia	Laurel Oak	2
111563	12"LAO	Quercus laurifolia	Laurel Oak	2
111564	16"LAO	Quercus laurifolia	Laurel Oak	2
111565	11"LAO	Quercus laurifolia	Laurel Oak	2
111567	17"LAO	Quercus laurifolia	Laurel Oak	2
111568	11"LAO	Quercus laurifolia	Laurel Oak	2
111569	13"LAO	Quercus laurifolia	Laurel Oak	2
111571	11"LAO	Quercus laurifolia	Laurel Oak	2
111573	20"CL	Prunus caroliniana	Cherry Laurel	2
111574	21"LAO	Quercus laurifolia	Laurel Oak	2
111575	17"LAO	Quercus laurifolia	Laurel Oak	2
111576	13"CL	Prunus caroliniana	Cherry Laurel	2
111577	16"LAO	Quercus laurifolia	Laurel Oak	2
111580	21"LAO	Quercus laurifolia	Laurel Oak	2
111581	11"LO	Quercus virginiana	Live Oak	2
111582	17"LAO	Quercus laurifolia	Laurel Oak	2
111583	11"LAO	Quercus laurifolia	Laurel Oak	2
111584	12"LAO	Quercus laurifolia	Laurel Oak	2
111585	21"LAO	Quercus laurifolia	Laurel Oak	2
111587	16"LAO	Quercus laurifolia	Laurel Oak	2
111588	19"LAO	Quercus laurifolia	Laurel Oak	2
111590	29"LAO	Quercus laurifolia	Laurel Oak	2
111591	20"LO	Quercus virginiana	Live Oak	2
111592	13"LAO	Quercus laurifolia	Laurel Oak	2
111593	23"LAO	Quercus laurifolia	Laurel Oak	2
111596	21"LAO	Quercus laurifolia	Laurel Oak	2
111597	10"LAO	Quercus laurifolia	Laurel Oak	2
111598	17"CL	Prunus caroliniana	Cherry Laurel	2
111599	15"LAO	Quercus laurifolia	Laurel Oak	2
111600	18"LAO	Quercus laurifolia	Laurel Oak	2
111602	10"LAO	Quercus laurifolia	Laurel Oak	2
111603	12" LAO	Quercus laurifolia	Laurel Oak	2
111604	11"16"LAO	Quercus laurifolia	Laurel Oak	2
111605	12"LAO	Quercus laurifolia	Laurel Oak	2
111606	18"LAO	Quercus laurifolia	Laurel Oak	2
111607	14"LAO	Quercus laurifolia	Laurel Oak	2
111608	14"LAO	Quercus laurifolia	Laurel Oak	2
111609	14"LAO	Quercus laurifolia	Laurel Oak	2
111610	14"LAO	Quercus laurifolia	Laurel Oak	2
111611	19"LAO	Quercus laurifolia	Laurel Oak	2
111612	22"LAO	Quercus laurifolia	Laurel Oak	2
111613	13"LAO	Quercus laurifolia	Laurel Oak	2
111614	16"LAO	Quercus laurifolia	Laurel Oak	2
111615	20"CL	Prunus caroliniana	Cherry Laurel	2
111616	20"LAO	Quercus laurifolia	Laurel Oak	2
111617	15"LAO	Quercus laurifolia	Laurel Oak	2
111618	11"LAO	Quercus laurifolia	Laurel Oak	2
111619	24"LAO	Quercus laurifolia	Laurel Oak	2
111620	11"SG	Liquidambar stryaciflua	Sweetgum	2
111621	12" LAO	Quercus laurifolia	Laurel Oak	2
111622	10"LAO	Quercus laurifolia	Laurel Oak	2
111623	16"LAO	Quercus laurifolia	Laurel Oak	2
111624	12" LAO	Quercus laurifolia	Laurel Oak	2
111625	10"LAO	Quercus laurifolia	Laurel Oak	2
111626	15"LAO	Quercus laurifolia	Laurel Oak	2
111630	14"LAO	Quercus laurifolia	Laurel Oak	2
111631	12" LAO	Quercus laurifolia	Laurel Oak	2
111632	12" LAO	Quercus laurifolia	Laurel Oak	2
111633	13"LAO	Quercus laurifolia	Laurel Oak	2
111634	17"LAO	Quercus laurifolia	Laurel Oak	2
111638	12"LAO	Quercus laurifolia	Laurel Oak	2
111639	13"CL	Prunus caroliniana	Cherry Laurel	2

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CHW Professional Consultants

SCALE: N/A

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
09/14/2023 - SUBMITTAL TO CITY OF ALACHUA
03/07/2024 - SUBMITTAL TO CITY OF ALACHUA
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: TREE MITIGATION CALCULATIONS

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-24

Tech: john-michaels Plot Date: May 14,2024 5:02pm Filename: N:\2021\21-0275\Departments\03_Design\02_DWGs\01_Permitting\21-0275 Design Base.dwg

TREE MITIGATION CALCULATIONS

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
111641	13"CL	Prunus caroliniana	Cherry Laurel	2
111642	12" LAO	Quercus laurifolia	Laurel Oak	2
111643	10" LAO	Quercus laurifolia	Laurel Oak	2
111650	9"15"LAO	Quercus laurifolia	Laurel Oak	2
111651	10"MAG	Magnolia grandiflora	Magnolia	2
111652	28"LAO	Quercus laurifolia	Laurel Oak	2
111653	22"LO	Quercus virginiana	Live Oak	2
111654	25"LO	Quercus virginiana	Live Oak	2
111655	12"LAO	Quercus laurifolia	Laurel Oak	2
111657	11"LAO	Quercus laurifolia	Laurel Oak	2
111658	18"LAO	Quercus laurifolia	Laurel Oak	2
111659	12"LAO	Quercus laurifolia	Laurel Oak	2
111661	11"LAO	Quercus laurifolia	Laurel Oak	2
111663	19"LAO	Quercus laurifolia	Laurel Oak	2
111664	12"LAO	Quercus laurifolia	Laurel Oak	2
111665	14"LAO	Quercus laurifolia	Laurel Oak	2
111666	8"11"LAO	Quercus laurifolia	Laurel Oak	2
111667	13"LAO	Quercus laurifolia	Laurel Oak	2
111668	12"LAO	Quercus laurifolia	Laurel Oak	2
111669	13"HIC	Carya glabra	Hickory	2
111671	11"CL	Prunus caroliniana	Cherry Laurel	2
111672	16"LAO	Quercus laurifolia	Laurel Oak	2
111673	24"LAO	Quercus laurifolia	Laurel Oak	2
111674	28"CL	Prunus caroliniana	Cherry Laurel	2
111675	17"LAO	Quercus laurifolia	Laurel Oak	2
111676	20"LAO	Quercus laurifolia	Laurel Oak	2
111677	16"LAO	Quercus laurifolia	Laurel Oak	2
111680	21"LAO	Quercus laurifolia	Laurel Oak	2
111681	25"LAO	Quercus laurifolia	Laurel Oak	2
111682	14"LAO	Quercus laurifolia	Laurel Oak	2
111683	13"LAO	Quercus laurifolia	Laurel Oak	2
111684	17"LAO	Quercus laurifolia	Laurel Oak	2
111685	22"LAO	Quercus laurifolia	Laurel Oak	2
111687	17"LAO	Quercus laurifolia	Laurel Oak	2
111688	13"LAO	Quercus laurifolia	Laurel Oak	2
111689	13"LAO	Quercus laurifolia	Laurel Oak	2
111690	24"LAO	Quercus laurifolia	Laurel Oak	2
111691	28"LAO	Quercus laurifolia	Laurel Oak	2
111692	27"LAO	Quercus laurifolia	Laurel Oak	2
111693	29"LAO	Quercus laurifolia	Laurel Oak	2
111695	10"CL	Prunus caroliniana	Cherry Laurel	2
111696	27"LAO	Quercus laurifolia	Laurel Oak	2
111697	29"LAO	Quercus laurifolia	Laurel Oak	2
111699	20"LAO	Quercus laurifolia	Laurel Oak	2
111700	15"LAO	Quercus laurifolia	Laurel Oak	2
111701	23"LAO	Quercus laurifolia	Laurel Oak	2
111704	16"RO	Quercus falcata	Red Oak	2
111705	21"LAO	Quercus laurifolia	Laurel Oak	2
111706	21"LAO	Quercus laurifolia	Laurel Oak	2
111708	21"LAO	Quercus laurifolia	Laurel Oak	2
111709	26"LAO	Quercus laurifolia	Laurel Oak	2
111710	11"CL	Prunus caroliniana	Cherry Laurel	2
111711	11"LAO	Quercus laurifolia	Laurel Oak	2
111713	16"CL	Prunus caroliniana	Cherry Laurel	2
111714	25"LAO	Quercus laurifolia	Laurel Oak	2
111715	12"LAO	Quercus laurifolia	Laurel Oak	2
111716	20"RO	Quercus falcata	Red Oak	2
111717	12"LAO	Quercus laurifolia	Laurel Oak	2
111718	12"LAO	Quercus laurifolia	Laurel Oak	2
111719	13"LAO	Quercus laurifolia	Laurel Oak	2
111722	16"LAO	Quercus laurifolia	Laurel Oak	2
111723	15"LAO	Quercus laurifolia	Laurel Oak	2
111724	16"LAO	Quercus laurifolia	Laurel Oak	2
111726	10"LAO	Quercus laurifolia	Laurel Oak	2
111727	18"LAO	Quercus laurifolia	Laurel Oak	2
111728	13"LAO	Quercus laurifolia	Laurel Oak	2
111730	26"LAO	Quercus laurifolia	Laurel Oak	2
111732	10"LAO	Quercus laurifolia	Laurel Oak	2
111733	15"LAO	Quercus laurifolia	Laurel Oak	2
111734	17"LAO	Quercus laurifolia	Laurel Oak	2
111735	16"LAO	Quercus laurifolia	Laurel Oak	2
111736	17"LAO	Quercus laurifolia	Laurel Oak	2
111737	13"LAO	Quercus laurifolia	Laurel Oak	2
111738	11"LAO	Quercus laurifolia	Laurel Oak	2
111740	13"LAO	Quercus laurifolia	Laurel Oak	2
111741	12"LAO	Quercus laurifolia	Laurel Oak	2
111742	12"LO	Quercus virginiana	Live Oak	2
111743	12"LAO	Quercus laurifolia	Laurel Oak	2
111744	10"LO	Quercus virginiana	Live Oak	2
111747	14"LAO	Quercus laurifolia	Laurel Oak	2
111748	20"LAO	Quercus laurifolia	Laurel Oak	2
111749	15"LAO	Quercus laurifolia	Laurel Oak	2
111750	13"LAO	Quercus laurifolia	Laurel Oak	2
111752	10"LAO	Quercus laurifolia	Laurel Oak	2
111753	17"LAO	Quercus laurifolia	Laurel Oak	2
111758	11"LAO	Quercus laurifolia	Laurel Oak	2
111759	16"LO	Quercus virginiana	Live Oak	2
111761	19"LAO	Quercus laurifolia	Laurel Oak	2
111772	24"LAO	Quercus laurifolia	Laurel Oak	2
111773	23"LAO	Quercus laurifolia	Laurel Oak	2

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
111774	11"CL	Prunus caroliniana	Cherry Laurel	2
111788	27"LAO	Quercus laurifolia	Laurel Oak	2
111790	15"LO	Quercus virginiana	Live Oak	2
111792	13"CL	Prunus caroliniana	Cherry Laurel	2
111798	10"CL	Prunus caroliniana	Cherry Laurel	2
111805	18"CL	Prunus caroliniana	Cherry Laurel	2
111806	14"CL	Prunus caroliniana	Cherry Laurel	2
111808	26"LAO	Quercus laurifolia	Laurel Oak	2
111810	19"LAO	Quercus laurifolia	Laurel Oak	2
111811	15"LAO	Quercus laurifolia	Laurel Oak	2
111812	12" LAO	Quercus laurifolia	Laurel Oak	2
111814	15"LAO	Quercus laurifolia	Laurel Oak	2
111816	26"LAO	Quercus laurifolia	Laurel Oak	2
111817	14"LAO	Quercus laurifolia	Laurel Oak	2
111818	21"LAO	Quercus laurifolia	Laurel Oak	2
111819	19"LAO	Quercus laurifolia	Laurel Oak	2
111820	28"LAO	Quercus laurifolia	Laurel Oak	2
111821	12" LAO	Quercus laurifolia	Laurel Oak	2
111843	10"CL	Prunus caroliniana	Cherry Laurel	2
111844	11"CL	Prunus caroliniana	Cherry Laurel	2
111848	14"CL	Prunus caroliniana	Cherry Laurel	2
111851	12"CL	Prunus caroliniana	Cherry Laurel	2
111859	11"LAO	Quercus laurifolia	Laurel Oak	2
111861	14"LAO	Quercus laurifolia	Laurel Oak	2
111862	14"LAO	Quercus laurifolia	Laurel Oak	2
111863	19"LAO	Quercus laurifolia	Laurel Oak	2
111877	15"CL	Prunus caroliniana	Cherry Laurel	2
111882	13"CL	Prunus caroliniana	Cherry Laurel	2
111895	13"CL	Prunus caroliniana	Cherry Laurel	2
111907	11"CL	Prunus caroliniana	Cherry Laurel	2
111919	10"CL	Prunus caroliniana	Cherry Laurel	2
111933	11"SG	Liquidambar stryaciflua	Sweetgum	2
111937	24"LO	Quercus virginiana	Live Oak	2
111939	19"CL	Prunus caroliniana	Cherry Laurel	2
111942	20"CL	Prunus caroliniana	Cherry Laurel	2
111943	17"LAO	Quercus laurifolia	Laurel Oak	2
111945	14"CL	Prunus caroliniana	Cherry Laurel	2
111946	27"CL	Prunus caroliniana	Cherry Laurel	2
111947	14"LAO	Quercus laurifolia	Laurel Oak	2
111948	10"CL	Prunus caroliniana	Cherry Laurel	2
111949	27"LAO	Quercus laurifolia	Laurel Oak	2
111952	13"LAO	Quercus laurifolia	Laurel Oak	2
111960	24"LAO	Quercus laurifolia	Laurel Oak	2
111961	13"LO	Quercus virginiana	Live Oak	2
111962	14"LO	Quercus virginiana	Live Oak	2
111963	10"LO	Quercus virginiana	Live Oak	2
111964	25" LAO	Quercus laurifolia	Laurel Oak	2
111965	10"CL	Prunus caroliniana	Cherry Laurel	2
111966	11"CL	Prunus caroliniana	Cherry Laurel	2
111969	13"CL	Prunus caroliniana	Cherry Laurel	2
111976	18"SG	Liquidambar stryaciflua	Sweetgum	2
111977	13"SG	Liquidambar stryaciflua	Sweetgum	2
111978	15"CL	Prunus caroliniana	Cherry Laurel	2
111979	12"SG	Liquidambar stryaciflua	Sweetgum	2
111981	12" LAO	Quercus laurifolia	Laurel Oak	2
111982	19"CL	Prunus caroliniana	Cherry Laurel	2
111983	15"CL	Prunus caroliniana	Cherry Laurel	2
111985	18"LAO	Quercus laurifolia	Laurel Oak	2
111986	23"LAO	Quercus laurifolia	Laurel Oak	2
111994	10"LAO	Quercus laurifolia	Laurel Oak	2
111996	14"MAG	Magnolia grandiflora	Magnolia	2
111997	12"LO	Quercus virginiana	Live Oak	2
112002	10"SG	Liquidambar stryaciflua	Sweetgum	2
112003	18"LAO	Quercus laurifolia	Laurel Oak	2
112005	11"SG	Liquidambar stryaciflua	Sweetgum	2
112007	15"LAO	Quercus laurifolia	Laurel Oak	2
112009	12" LAO	Quercus laurifolia	Laurel Oak	2
112010	23"LAO	Quercus laurifolia	Laurel Oak	2
112014	25"LAO	Quercus laurifolia	Laurel Oak	2
112015	14"LAO	Quercus laurifolia	Laurel Oak	2
112016	14"LAO	Quercus laurifolia	Laurel Oak	2
112017	11"LAO	Quercus laurifolia	Laurel Oak	2
112018	18"LAO	Quercus laurifolia	Laurel Oak	2
112020	11"LAO	Quercus laurifolia	Laurel Oak	2
112021	10"CL	Prunus caroliniana	Cherry Laurel	2
112022	17"LO	Quercus virginiana	Live Oak	2
112023	22"LAO	Quercus laurifolia	Laurel Oak	2
112028	10"CL	Prunus caroliniana	Cherry Laurel	2
112031	16"CL	Prunus caroliniana	Cherry Laurel	2
112033	17"LAO	Quercus laurifolia	Laurel Oak	2
112036	10"CL	Prunus caroliniana	Cherry Laurel	2
112045	10"CL	Prunus caroliniana	Cherry Laurel	2
112051	10"CL	Prunus caroliniana	Cherry Laurel	2
112058	15"CL	Prunus caroliniana	Cherry Laurel	2
112111	19"LAO	Quercus laurifolia	Laurel Oak	2
112112	10"CL	Prunus caroliniana	Cherry Laurel	2
112116	10"CL	Prunus caroliniana	Cherry Laurel	2
112117	10"CL	Prunus caroliniana	Cherry Laurel	2
112120	10"CL	Prunus caroliniana	Cherry Laurel	2
112126	13"CL	Prunus caroliniana	Cherry Laurel	2

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
112129	14"LAO	Quercus laurifolia	Laurel Oak	2
112161	29"LAO	Quercus laurifolia	Laurel Oak	2
112165	18"LAO	Quercus laurifolia	Laurel Oak	2
112167	11"LAO	Quercus laurifolia	Laurel Oak	2
112168	10"LAO	Quercus laurifolia	Laurel Oak	2
112169	12"LAO	Quercus laurifolia	Laurel Oak	2
112171	10"LAO	Quercus laurifolia	Laurel Oak	2
112174	16"LAO	Quercus laurifolia	Laurel Oak	2
112175	14"LAO	Quercus laurifolia	Laurel Oak	2
112176	14"LAO	Quercus laurifolia	Laurel Oak	2
112177	16"LAO	Quercus laurifolia	Laurel Oak	2
112179	11"LAO	Quercus laurifolia	Laurel Oak	2
150013	19"LAO	Quercus laurifolia	Laurel Oak	2
150014	21"LAO	Quercus laurifolia	Laurel Oak	2
150016	14"LAO	Quercus laurifolia	Laurel Oak	2
150017	11"LAO	Quercus laurifolia	Laurel Oak	2
150018	19"LAO	Quercus laurifolia	Laurel Oak	2
150019	10"LAO	Quercus laurifolia	Laurel Oak	2
150020	16"LAO	Quercus laurifolia	Laurel Oak	2
150021	11"LAO	Quercus laurifolia	Laurel Oak	2
150022	12"LAO	Quercus laurifolia	Laurel Oak	2
150023	21"WO	Quercus nigra	Water Oak	2
150025	16"LAO	Quercus laurifolia	Laurel Oak	2
150026	17"LAO	Quercus laurifolia	Laurel Oak	2
150028	23"LAO	Quercus laurifolia	Laurel Oak	2
150040	10"LAO	Quercus laurifolia	Laurel Oak	2
150050	15"LAO	Quercus laurifolia	Laurel Oak	2
150066	12"LAO	Quercus laurifolia	Laurel Oak	2
150067	16"LO	Quercus virginiana	Live Oak	2
150070	17"LO	Quercus virginiana	Live Oak	2
150072	17"LAO	Quercus laurifolia	Laurel Oak	2
150080	14"LAO	Quercus laurifolia	Laurel Oak	2
150084	29"LAO	Quercus laurifolia	Laurel Oak	2
150086	14"LAO	Quercus laurifolia	Laurel Oak	2
150091	12"CL	Prunus caroliniana	Cherry Laurel	2
150092	18"LAO	Quercus laurifolia	Laurel Oak	2
150100	13"23"LAO	Quercus laurifolia	Laurel Oak	2
150122	25"LAO	Quercus laurifolia	Laurel Oak	2
150124	20"CL	Prunus caroliniana	Cherry Laurel	2
150127	20"LAO	Quercus laurifolia	Laurel Oak	2
150137	13"CL	Prunus caroliniana	Cherry Laurel	2
150139	11"CL	Prunus caroliniana	Cherry Laurel	2
150141	10"CL	Prunus caroliniana	Cherry Laurel	2
150147	16"LAO	Quercus laurifolia	Laurel Oak	2
150168	18"CL	Prunus caroliniana	Cherry Laurel	2
150172	15"CL	Prunus caroliniana	Cherry Laurel	2
150174	10"CL	Prunus caroliniana	Cherry Laurel	2
150181	18"LAO	Quercus laurifolia	Laurel Oak	2
150182	21"HIC	Carya glabra	Hickory	2
150190	15"LAO	Quercus laurifolia	Laurel Oak	2
150191	14"LO	Quercus virginiana	Live Oak	2
150197	18"LAO	Quercus laurifolia	Laurel Oak	2
150199	12"LAO	Quercus laurifolia	Laurel Oak	2
150201	10"CL	Prunus caroliniana	Cherry Laurel	2
150206	20"LAO	Quercus laurifolia	Laurel Oak	2
150209	13"LAO	Quercus laurifolia	Laurel Oak	2
150210	21"LAO	Quercus laurifolia	Laurel Oak	2
150211	15"LAO	Quercus laurifolia	Laurel Oak	2
150212	17"LAO	Quercus laurifolia	Laurel Oak	2
150219	13"LAO	Quercus laurifolia	Laurel Oak	2
150237	18"18"LAO	Quercus laurifolia	Laurel Oak	2
150244	12"LAO	Quercus laurifolia	Laurel Oak	2
150245	12"LAO	Quercus laurifolia	Laurel Oak	2
150253	12"LAO	Quercus laurifolia	Laurel Oak	2
150254	10"CL	Prunus caroliniana	Cherry Laurel	2
150257	12"CL	Prunus caroliniana	Cherry Laurel	2
150268	5"11"CL	Prunus caroliniana	Cherry Laurel	2
150273	11"CL	Prunus caroliniana	Cherry Laurel	2
150274	11"CL	Prunus caroliniana	Cherry Laurel	2
150292	11"CL	Prunus caroliniana	Cherry Laurel	2
150297	9"11"CL	Prunus caroliniana	Cherry Laurel	2
150300	11"CL	Prunus caroliniana	Cherry Laurel	2
150302	9"11"CL	Prunus caroliniana	Cherry Laurel	2
150303	10"CL	Prunus caroliniana	Cherry Laurel	2
150310	13"LAO	Quercus laurifolia	Laurel Oak	2
150311	11"LAO	Quercus laurifolia	Laurel Oak	2
150319	14"HIC	Carya glabra	Hickory	2
150320	9"13"CL	Prunus caroliniana	Cherry Laurel	2
150326	26"LO	Quercus virginiana	Live Oak	2
150331	19"LAO	Quercus laurifolia	Laurel Oak	2
150332	8"17"LAO	Quercus laurifolia	Laurel Oak	2
150344	14"LAO	Quercus laurifolia	Laurel Oak	2
150345	16"LAO	Quercus laurifolia	Laurel Oak	2
150346	27"LAO	Quercus laurifolia	Laurel Oak	2
150355	16"CL	Prunus caroliniana	Cherry Laurel	2
150356	13"CL	Prunus caroliniana	Cherry Laurel	2
150358	10"CL	Prunus caroliniana	Cherry Laurel	2
150369	10"CL	Prunus caroliniana	Cherry Laurel	2
150378	11"CL	Prunus caroliniana	Cherry Laurel	2
150386	10"CL	Prunus caroliniana	Cherry Laurel	2

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
150389	8"10"CL	Prunus caroliniana	Cherry Laurel	2
150392	10"CL	Prunus caroliniana	Cherry Laurel	2
150399	11"CL	Prunus caroliniana	Cherry Laurel	2
150400	10"CL	Prunus caroliniana	Cherry Laurel	2
150416	18"LAO	Quercus laurifolia	Laurel Oak	2
150420	10" CL	Prunus caroliniana	Cherry Laurel	2
150426	26"LAO	Quercus laurifolia	Laurel Oak	2
150427	11"LAO	Quercus laurifolia	Laurel Oak	2
150430	19"LO	Quercus virginiana	Live Oak	2
150433	15"LAO	Quercus laurifolia	Laurel Oak	2
150434	16"LAO	Quercus laurifolia	Laurel Oak	2
150436	14"LAO	Quercus laurifolia	Laurel Oak	2
150437	16"LAO	Quercus laurifolia	Laurel Oak	2
150438	17"LAO	Quercus laurifolia	Laurel Oak	2
150439	11"CL	Prunus caroliniana	Cherry Laurel	2
150442	23"LAO	Quercus laurifolia	Laurel Oak	2
150445	19"LAO	Quercus laurifolia	Laurel Oak	2
150447	23"LAO	Quercus laurifolia	Laurel Oak	2
150448	20"LAO	Quercus laurifolia	Laurel Oak	2
150450	10"LAO	Quercus laurifolia	Laurel Oak	2
150451	13"PLUM	Prunus umbellata	Plum Tree	2
150453	22"LAO	Quercus laurifolia	Laurel Oak	2
150455	23"LAO	Quercus laurifolia	Laurel Oak	2
150456	13"LAO	Quercus laurifolia	Laurel Oak	2
150457	20"LAO	Quercus laurifolia	Laurel Oak	2
150460	16"LAO	Quercus laurifolia	Laurel Oak	2
150462	22"LAO	Quercus laurifolia	Laurel Oak	2
150463	11"LAO	Quercus laurifolia	Laurel Oak	2

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Alachua, FL 32615
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LA0001663

CHW
Professional Consultants

SCALE: N/A

VERIFY SCALE
BAR ON ORIGINAL
IF NOT ONE INCH ON
THIS SHEET ADJUST
SCALES ACCORDINGLY.

0 1"

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
09/16/2023 - SUBMITTAL TO CITY OF ALACHUA
01/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: TREE MITIGATION CALCULATIONS

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS

PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-25

Tech: john-michaele Plot Date: May 14,2024 5:02pm File Name: N:\2021\21-0275\Department\05_Design\02_DWGs\01_Permitting\21-0275 Design Base.dwg

1 2 3 4

HERITAGE TREE CALCULATIONS

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
19110	45"LO	Quercus virginiana	Live Oak	45
37787	35"LO	Quercus virginiana	Live Oak	35
37792	23"26"LO	Quercus virginiana	Live Oak	49
37847	46"LO	Quercus virginiana	Live Oak	46
37849	52"LO	Quercus virginiana	Live Oak	52
37856	34"SG	Liquidambar stryaciflua	Sweetgum	34
37874	41"LO	Quercus virginiana	Live Oak	41
37901	32"LO	Quercus virginiana	Live Oak	32
37906	42"LO	Quercus virginiana	Live Oak	42
38010	13"22"30"LAO	Quercus laurifolia	Laurel Oak	52
38030	44"LO	Quercus virginiana	Live Oak	44
38052	36"LAO	Quercus laurifolia	Laurel Oak	36
38073	41"LAO	Quercus laurifolia	Laurel Oak	41
38075	26"34"LO	Quercus virginiana	Live Oak	60
38320	31"LO	Quercus virginiana	Live Oak	31
38349	40"LO	Quercus virginiana	Live Oak	40
50052	48"LO	Quercus virginiana	Live Oak	48
50063	36"LAO	Quercus laurifolia	Laurel Oak	36
60142	32"LAO	Quercus laurifolia	Laurel Oak	32
110853	42"RO	Quercus falcata	Red Oak	42
111374	40"40"LAO	Quercus laurifolia	Laurel Oak	80
111382	36"LAO	Quercus laurifolia	Laurel Oak	36
111383	32"LO	Quercus virginiana	Live Oak	32
111386	36"LAO	Quercus laurifolia	Laurel Oak	36
111387	36"LAO	Quercus laurifolia	Laurel Oak	36
111389	35"LO	Quercus virginiana	Live Oak	35
111392	36"LO	Quercus virginiana	Live Oak	36
111398	33"LAO	Quercus laurifolia	Laurel Oak	33
111418	44"LAO	Quercus laurifolia	Laurel Oak	44
111439	35"LAO	Quercus laurifolia	Laurel Oak	35
111471	30"LAO	Quercus laurifolia	Laurel Oak	30
111504	31"LAO	Quercus laurifolia	Laurel Oak	31
111526	31"LAO	Quercus laurifolia	Laurel Oak	31
111560	31"LAO	Quercus laurifolia	Laurel Oak	31
111579	34"LAO	Quercus laurifolia	Laurel Oak	34
111594	30"LAO	Quercus laurifolia	Laurel Oak	30
111640	32"LAO	Quercus laurifolia	Laurel Oak	32
111648	31"LAO	Quercus laurifolia	Laurel Oak	31
111649	37"LAO	Quercus laurifolia	Laurel Oak	37
111678	30"LO	Quercus virginiana	Live Oak	30
111686	33"LO	Quercus virginiana	Live Oak	33
111698	32"LAO	Quercus laurifolia	Laurel Oak	32
111729	33"LAO	Quercus laurifolia	Laurel Oak	33
111745	40"LAO	Quercus laurifolia	Laurel Oak	40
111756	59"LO	Quercus virginiana	Live Oak	59
111757	31"LAO	Quercus laurifolia	Laurel Oak	31
111762	36"LO	Quercus virginiana	Live Oak	36
111807	33"LAO	Quercus laurifolia	Laurel Oak	33
111809	34"LAO	Quercus laurifolia	Laurel Oak	34
111815	30"LAO	Quercus laurifolia	Laurel Oak	30
111922	36"LAO	Quercus laurifolia	Laurel Oak	36
111938	35"LO	Quercus virginiana	Live Oak	35
111984	36"LAO	Quercus laurifolia	Laurel Oak	36
111987	32"LO	Quercus virginiana	Live Oak	32
111989	50"LO	Quercus virginiana	Live Oak	50
111991	41"LO	Quercus virginiana	Live Oak	41
112148	39"LAO	Quercus laurifolia	Laurel Oak	39
112178	40"LAO	Quercus laurifolia	Laurel Oak	40
150044	31"LAO	Quercus laurifolia	Laurel Oak	31
150208	36"LAO	Quercus laurifolia	Laurel Oak	36
150213	43"LAO	Quercus laurifolia	Laurel Oak	43
150240	48"LAO	Quercus laurifolia	Laurel Oak	48
150324	34"WO	Quercus nigra	Water Oak	34
150335	38"LAO	Quercus laurifolia	Laurel Oak	38

CATEGORY	MITIGATION CALCULATIONS
INCH-FOR-INCH REPLACEMENT	HERITAGE TREES 64 TREES SEE TREE LIST ON LS-26 TOTAL INCHES REQUIRED.................................. 2,458" TOTAL TREES REQUIRED...................................1,229
1:1 REPLACEMENT	TOTAL TREES TO BE MITIGATED @ 1:1 REPLACEMENT.. 658 TREES TOTAL TREES REQUIRED FOR MITIGATION @ 1:1 REPLACEMENT...................... 658 TREES
TOTAL MITIGATION	TOTAL MITIGATION TREES...................................1,887 TREES 50% 2" TREES..944 TREES (1,888") 50% 1.5" TREES...943 TREES (1,414.5") TOTAL PROVIDED INCHES (@ 25% OF REQUIRED LANDSCAPE) 2" TREES...157 TREES (314") 1.5" TREES...116 TREES (174") TOTAL DEFICIT TREES...1,614 TREES 2" TREES...787 TREES (1,574") 1.5" TREES...827 TREES (1,240.5") TOTAL MITIGATION COST 2,814.5" @ $125.00 PER INCH.....................$351,812.50*

EXISTING TREE HEALTH ASSESSMENT

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	GRADE	LOCATION
37767	17"SG	Liquidambar stryaciflua	Sweetgum	3	North
37769	12"SG	Liquidambar stryaciflua	Sweetgum	3	North
37770	11"SG	Liquidambar stryaciflua	Sweetgum	3	North
37771	26"LAO	Quercus laurifolia	Laurel Oak	2.5	North
37773	20"SG	Liquidambar stryaciflua	Sweetgum	3	North
37775	22"SG	Liquidambar stryaciflua	Sweetgum	3	North
37777	31"LO	Quercus virginiana	Live Oak	3	North
37778	17"LO	Quercus virginiana	Live Oak	3	North
37798	53"LO	Quercus virginiana	Live Oak	3.5	North
37800	11"HIC	Carya glabra	Hickory	2	North
37801	25"LAO	Quercus laurifolia	Laurel Oak	2.5	North
37803	36"LO	Quercus virginiana	Live Oak	3	North
37808	20"LO	Quercus virginiana	Live Oak	2.5	North
37809	15"SG	Liquidambar stryaciflua	Sweetgum	2.5	North
37810	14"SG	Liquidambar stryaciflua	Sweetgum	2.5	North
37811	20"33"LO	Quercus virginiana	Live Oak	2.5	North
37812	23"LO	Quercus virginiana	Live Oak	3	North
37921	48"LO	Quercus virginiana	Live Oak	2.5	North
37935	58"LO	Quercus virginiana	Live Oak	4	North
37947	9"LAO	Quercus laurifolia	Laurel Oak	2	North
37949	39"LO	Quercus virginiana	Live Oak	2	North
37950	37"LO	Quercus virginiana	Live Oak	3	North
37961	27"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38126	14"LAO	Quercus laurifolia	Laurel Oak	3	North
38136	15"LAO	Quercus laurifolia	Laurel Oak	3	North
38138	8"LO	Quercus virginiana	Live Oak	3	North
38139	13"LAO	Quercus laurifolia	Laurel Oak	3	North
38141	16"LAO	Quercus laurifolia	Laurel Oak	3	North
38147	8"LO	Quercus virginiana	Live Oak	2.5	North
38148	8"ASH	Carya glabra	Pignut Hickory	3	North
38149	8"ASH	Carya glabra	Pignut Hickory	3.5	North
38150	12"LAO	Quercus laurifolia	Laurel Oak	3	North
38151	19"LAO	Quercus laurifolia	Laurel Oak	3	North
38152	12"LAO	Quercus laurifolia	Laurel Oak	2	North
38154	9"LAO	Quercus laurifolia	Laurel Oak	2	North
38157	6"5"12"LO	Quercus virginiana	Live Oak	2.5	North
38159	13"LAO	Quercus laurifolia	Laurel Oak	2	North
38160	8"WO	Quercus nigra	Water Oak	3	North
38163	8"LO	Quercus virginiana	Live Oak	3	North
38167	13"LAO	Quercus laurifolia	Laurel Oak	2	North
38169	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38170	6"11"LAO	Quercus laurifolia	Laurel Oak	2	North
38173	10"LAO	Quercus laurifolia	Laurel Oak	2	North
38174	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38178	68"LAO	Quercus laurifolia	Laurel Oak	2	North
38181	29"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38182	32"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38190	11"LAO	Quercus laurifolia	Laurel Oak	3	North
38194	19"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38195	20"LAO	Quercus laurifolia	Laurel Oak	2	North
38197	12"LAO	Quercus laurifolia	Laurel Oak	2	North
38199	8"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38215	17" LAO	Quercus laurifolia	Laurel Oak	3	North
38216	14"LAO	Quercus laurifolia	Laurel Oak	3	North
38223	22"LO	Quercus virginiana	Live Oak	3.5	North
38224	15"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38225	11"12"LO	Quercus virginiana	Live Oak	2.5	North
38231	47"LO	Quercus virginiana	Live Oak	4.5	North
110557	30"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110558	18"LO	Quercus virginiana	Live Oak	2.5	West
110559	22"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110561	16"18"LAO	Quercus laurifolia	Laurel Oak	2	West
110565	13"LO	Quercus virginiana	Live Oak	2	West
110566	16"LAO	Quercus laurifolia	Laurel Oak	2	West
110568	9"LAO	Quercus laurifolia	Laurel Oak	2	West
110569	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110570	12"LAO	Quercus laurifolia	Laurel Oak	2	West
110571	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110572	17" LAO	Quercus laurifolia	Laurel Oak	2	West
110573	8"LO	Quercus virginiana	Live Oak	2	West
110574	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110576	10"LAO	Quercus laurifolia	Laurel Oak	2	West
110578	24"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110580	17" LAO	Quercus laurifolia	Laurel Oak	2	West
110581	12" LAO	Quercus laurifolia	Laurel Oak	2	West
110582	10" LAO	Quercus laurifolia	Laurel Oak	2	West
110583	16"PN	Pinus spp.	Pine	2.5	West
110584	12"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110585	18"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110589	17"LAO	Quercus laurifolia	Laurel Oak	2	West
110590	17"LAO	Quercus laurifolia	Laurel Oak	2	West
110591	27"LAO	Quercus laurifolia	Laurel Oak	2	West
110592	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110594	10"LAO	Quercus laurifolia	Laurel Oak	2	West
110596	12"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110597	20"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110598	19"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110599	28"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110601	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110605	19"LAO	Quercus laurifolia	Laurel Oak	2	West

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	GRADE	LOCATION
110635	25"LAO	Quercus laurifolia	Laurel Oak	2.5	South
110660	8"LAO	Quercus laurifolia	Laurel Oak	2	South
110663	16"LAO	Quercus laurifolia	Laurel Oak	2.5	South
110667	19"PN	Pinus spp.	Pine	2.5	South
110683	14"LAO	Quercus laurifolia	Laurel Oak	2	South
110684	16"LAO	Quercus laurifolia	Laurel Oak	2	South
110722	15"LAO	Quercus laurifolia	Laurel Oak	2	South
110728	23"LAO	Quercus laurifolia	Laurel Oak	2.5	South
110736	11"LAO	Quercus laurifolia	Laurel Oak	2	South
110737	8"LAO	Quercus laurifolia	Laurel Oak	2	South
110738	14"LAO	Quercus laurifolia	Laurel Oak	2	South
110740	18"LAO	Quercus laurifolia	Laurel Oak	2.5	South
110746	15"LAO	Quercus laurifolia	Laurel Oak	2.5	South
110747	8"LAO	Quercus laurifolia	Laurel Oak	2	South
110749	22"LAO	Quercus laurifolia	Laurel Oak	2.5	South
110750	10"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110753	12"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110755	16"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110756	17"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110759	12"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110760	20"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110767	10"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110768	17"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110770	11"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110773	21"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110774	10"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110778	17"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110780	15"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110783	11"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110787	18"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110789	12"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110792	21"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110794	8"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110796	11"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110799	16"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110808	17"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110810	18"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110812	10"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110826	14"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110881	13"PN	Pinus spp.	pine	2	West
110888	10"LAO	Quercus laurifolia	Laurel Oak	2	West
110896	14"LAO	Quercus laurifolia	Laurel Oak	2	West
110898	12"LAO	Quercus laurifolia	Laurel Oak	2	West
110902	12"LAO	Quercus laurifolia	Laurel Oak	2	West
110912	10"LAO	Quercus laurifolia	Laurel Oak	2	West
110916	20"LAO	Quercus laurifolia	Laurel Oak	2	West
110931	14"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110936	15"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110937	8"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110938	8"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110943	10"LAO	Quercus laurifolia	Laurel Oak	2	West
110950	18"LAO	Quercus laurifolia	Laurel Oak	2	West
110952	17"LAO	Quercus laurifolia	Laurel Oak	2	West
110955	12"LAO	Quercus laurifolia	Laurel Oak	2	West
110959	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110960	21"LAO	Quercus laurifolia	Laurel Oak	2	West
110961	20"LAO	Quercus laurifolia	Laurel Oak	2	West
110963	23"LAO	Quercus laurifolia	Laurel Oak	2	West
110969	15"LAO	Quercus laurifolia	Laurel Oak	2	West
110972	12"LAO	Quercus laurifolia	Laurel Oak	2	West
110979	20"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110981	17"LAO	Quercus laurifolia	Laurel Oak	2	West
110982	20"LAO	Quercus laurifolia	Laurel Oak	2	West
110986	22"LAO	Quercus laurifolia	Laurel Oak	2	West
110988	11"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110989	13"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110990	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110992	13"LAO	Quercus laurifolia	Laurel Oak	2	West
110993	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110994	13"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110996	14"16"LAO	Quercus laurifolia	Laurel Oak	2	West
110999	11"LAO	Quercus laurifolia	Laurel Oak	2	West
111001	10" LAO	Quercus laurifolia	Laurel Oak	2	West
111002	11"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111004	13"PN	Pinus spp.	Pine	2.5	West
111006	16"LAO	Quercus laurifolia	Laurel Oak	3	West
111008	12"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111009	13"LAO	Quercus laurifolia	Laurel Oak	2	West
111010	9" LAO	Quercus laurifolia	Laurel Oak	2	West
111011	11"LAO	Quercus laurifolia	Laurel Oak	2	West
111015	15"LAO	Quercus laurifolia	Laurel Oak	2	West
111016	12"LAO	Quercus laurifolia	Laurel Oak	2	West
111020	14"LO	Quercus virginiana	Live Oak	2	West
111024	12"LAO	Quercus laurifolia	Laurel Oak	2	West
111028	11"LAO	Quercus laurifolia	Laurel Oak	2	West
111030	14"LAO	Quercus laurifolia	Laurel Oak	2	West
111032	14"LAO	Quercus laurifolia	Laurel Oak	2	West
111034	10"LAO	Quercus laurifolia	Laurel Oak	2	West
111038	17"LAO	Quercus laurifolia	Laurel Oak	3	West
111039	13"LAO	Quercus laurifolia	Laurel Oak	2.5	West

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	GRADE	LOCATION
111043	11"LAO	Quercus laurifolia	Laurel Oak	2	West
111044	12"LAO	Quercus laurifolia	Laurel Oak	2	West
111054	15"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111055	12"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111056	23"LAO	Quercus laurifolia	Laurel Oak	2	West
111072	18"LAO	Quercus laurifolia	Laurel Oak	3	West
111073	10"LAO	Quercus laurifolia	Laurel Oak	3	West
111074	21"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111122	23"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111123	25"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111125	16"LAO	Quercus laurifolia	Laurel Oak	2	North
111126	19"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111130	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111131	14"LAO	Quercus laurifolia	Laurel Oak	2	North
111133	40"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111136	11"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111137	19"LAO	Quercus laurifolia	Laurel Oak	3	North
111138	15"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111139	13"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111140	13"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111146	16"LAO	Quercus laurifolia	Laurel Oak	2	North
111148	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111155	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111159	15"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111162	17"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111165	19"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111172	17"LAO	Quercus laurifolia	Laurel Oak	2	North
111178	19"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111179	20"LAO	Quercus laurifolia	Laurel Oak	2	West
111181	14"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111192	8"LAO	Quercus laurifolia	Laurel Oak	2	West
111265	18"LAO	Quercus laurifolia	Laurel Oak	2	North
111266	10"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111267	11"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111268	15"LAO	Quercus laurifolia	Laurel Oak	2	North
111275	11"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111276	17"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111281	15"LAO	Quercus laurifolia	Laurel Oak	3	North
111287	10"LAO	Quercus laurifolia	Laurel Oak	2	North
111288	20"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111293	12"LAO	Quercus laurifolia	Laurel Oak	2	North
111294	12"LAO	Quercus laurifolia	Laurel Oak	2	North
111301	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111303	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111305	11"LAO	Quercus laurifolia	Laurel Oak	2	North
111308	10"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111309	11"PN	Pinus spp.	Pine	2	North
111310	12"LAO	Quercus laurifolia	Laurel Oak	2	North
111312	10"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111318	18"LAO	Quercus laurifolia	Laurel Oak	3	North
111321	17"LAO	Quercus laurifolia	Laurel Oak	3	North
111322	26"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111323	15"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111324	20"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111325	20"LAO	Quercus laurifolia	Laurel Oak	3	North
111326	13"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111327	13"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111328	13"24"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111330	10"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111331	19"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111333	12"LAO	Quercus laurifolia	Laurel Oak	3	North
111334	18"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111335	13"LAO	Quercus laurifolia	Laurel Oak	2	North
111339	19"LAO	Quercus laurifolia	Laurel Oak	2	North
111342	23"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111343	11"LAO	Quercus laurifolia	Laurel Oak	2	North
111346	21"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111347	18"LAO	Quercus laurifolia	Laurel Oak	3	North
111349	21"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111350	22"LAO	Quercus laurifolia	Laurel Oak	3.5	North
111351	14"LAO	Quercus laurifolia	Laurel Oak	3.5	North
111352	19"LAO	Quercus laurifolia	Laurel Oak	3	North
111354	19"LAO	Quercus laurifolia	Laurel Oak	3.5	North
111355	18"LAO	Quercus laurifolia	Laurel Oak	3.5	North
111358	11"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111359	11"LAO	Quercus laurifolia	Laurel Oak	2	North
111362	10"LAO	Quercus laurifolia	Laurel Oak	2	North
111363	23"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111366	22"LAO	Quercus laurifolia	Laurel Oak	2	North
111368	24"LAO	Quercus laurifolia	Laurel Oak	2	North
111369	18"PN	Pinus spp.	Pine	3	North
112077	21"LO	Quercus virginiana	Live Oak	3	South
112078	28"LO	Quercus virginiana	Live Oak	2.5	South
112085	15"LAO	Quercus laurifolia	Laurel Oak	2.5	South
150261	43"LO	Quercus virginiana	Live Oak	2	South
150479	20"PN	Pinus spp.	Pine	3	South

NOTE:
THE TREES LISTED ABOVE ARE BEING USED TO PARTIALLY FULFILL LANDSCAPE BUFFER REQUIREMENTS IN THE AREAS THEY ARE LOCATED ON A 1:1 BASIS. NO ADDITIONAL CREDITS ARE BEING UTILIZED.

ALL OF THE ABOVE TREES WEE EVALUATED ONSITE TO CONFIRM SPECIES AND REVIEW HEALTH AND CONDITION. ACCORDINGLY, GRADES OF 0–5 HAVE BEEN ASSIGNED TO EACH TREE BASED ON THE ASSESSED CONDITION AT THE TIME OF THE SITE WALK-THROUGH IN APRIL 2024. ANY TREES GRADED AT A 2 OR ABOVE HAVE BEEN DEEMED OF A CONDITION CONSISTENT WITH THE STANDARDS OF CITY OF ALACHUA CODE TO MEET THE 1:1 LANDSCAPE BUFFER REQUIREMENTS. THESE TREES HAD NO OBVIOUS SIGNS OF IMMEDIATE FAILURE, CONTRIBUTE TO THE OVERALL FORESTED CONDITION OF THE BUFFER, AND ARE OF A SPECIES NATIVE TO THIS AREA. ANY TREES GRADED A 1 OR A 0 WERE IN POOR HEALTH, HAD SIGNS OF POTENTIAL FAILURE, AND/OR WERE DEAD. THESE TREES ARE NOT PROPOSED TO COUNT TOWARDS THE BUFFER REQUIREMENTS.

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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: TREE MITIGATION CALCULATIONS

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

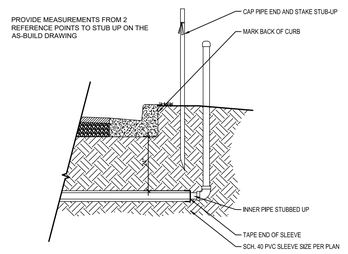
REGISTERED LANDSCAPE ARCHITECT JOHN MICHAEL SIMPSON LA6667436 STATE OF FLORIDA

SHEET NO.: LS-26

Tech: john-michaels Plot Date: May 16,2024 2:42pm Filename: N:\2021\21-0275\Departments\03_Design\02_DWGs\01_Permitting\21-0275 Design Base.dwg

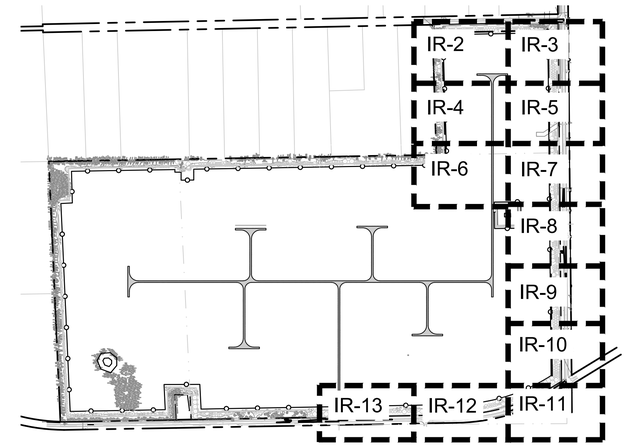
IRRIGATION_SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
W	5" Well with Goulds 85GS 5 hp pump
BF	Zurn 950XL 2" Dual Check Assembly Backflow
C	Hunter A2C-75D-PP Two Wire Controller
S	Hunter Solar Sync Weather Sensor
— — — —	Pipe Mainline: PVC Class 200 3"
= = = = = = = =	Pipe Sleeve: PVC Schedule 40



1 SLEEVING ROUGH-IN DETAIL
SCALE: N.T.S.

SHEET KEY MAP
SCALE: N.T.S.



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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

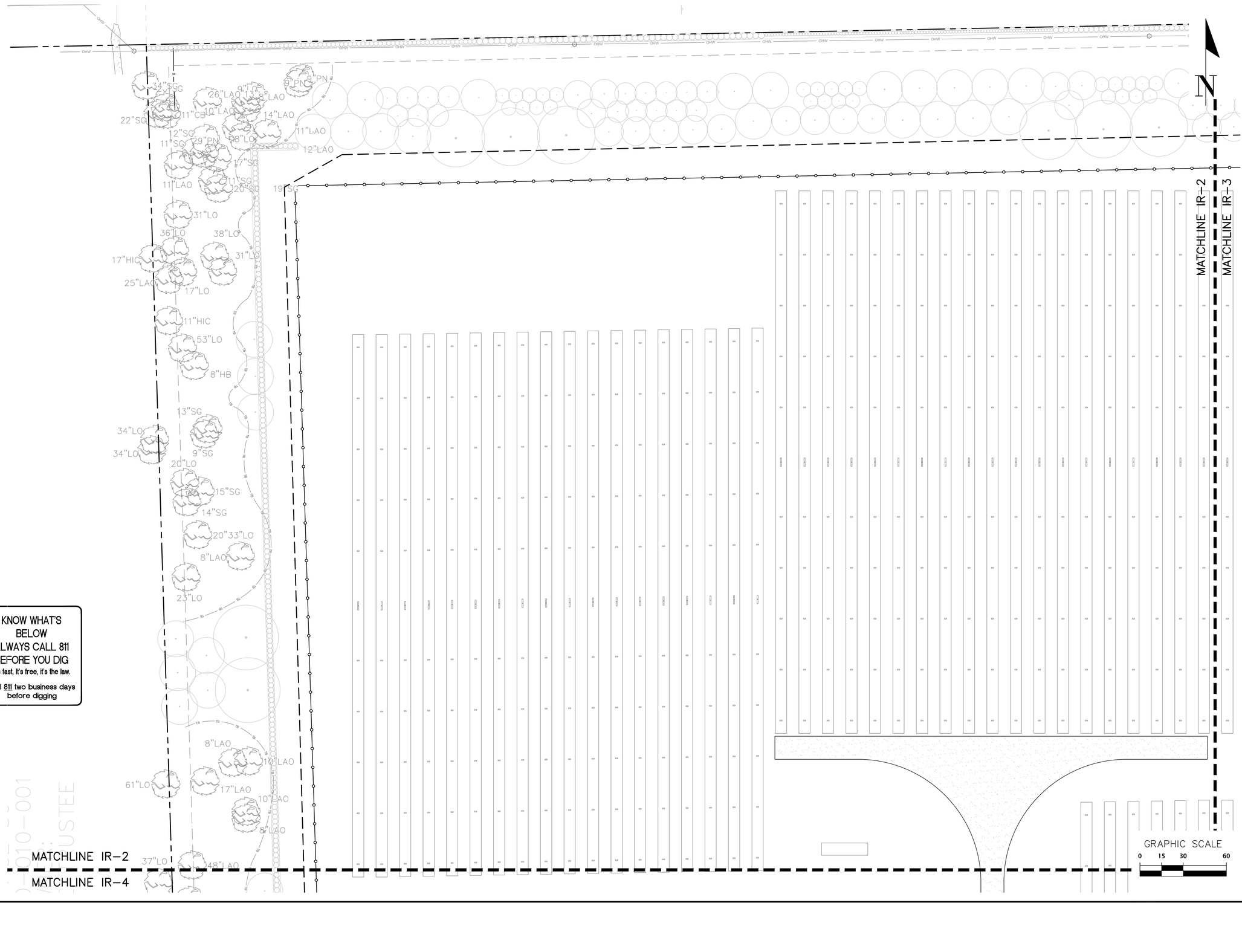
CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: IRRIGATION DETAILS & SCHEDULE

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: IR-1

Tech: john-michaels Plot Date: May 14,2024 5:03pm Filename: N:\2021\21-0275\Departments\03_Design\02_DWGs\01_Permitting\IRRIGATION DETAILS & SCHEDULE.dwg



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CLIENT: PLEASANT SOLAR, LLC

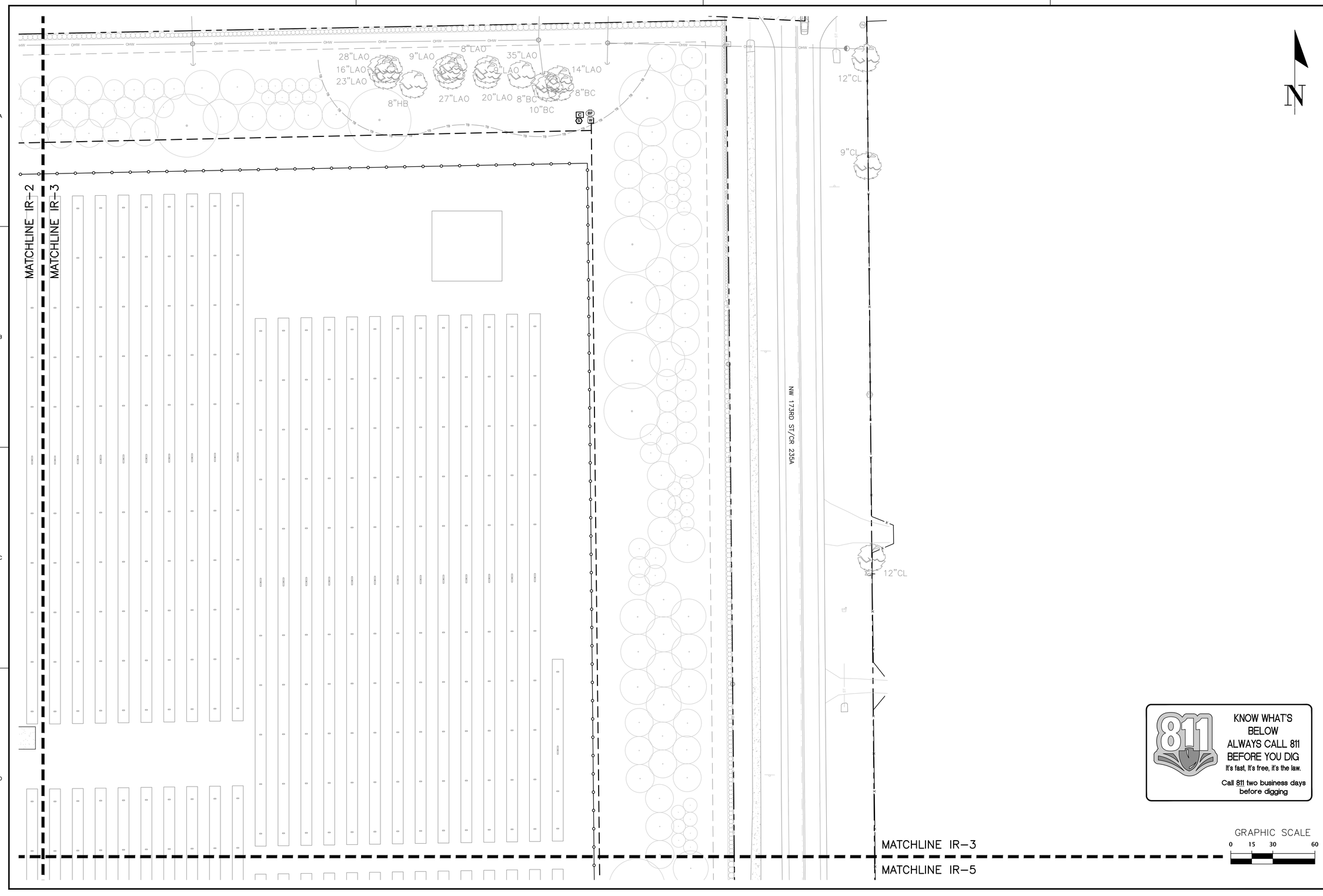
PROJECT: PLEASANT SOLAR

SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: IR-2



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CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: IR-3

MATCHLINE IR-2

MATCHLINE IR-4

LOT 1, HARRINGTON PLACE
PLAT BOOK T, PAGE
PARCEL ID: 03900-001
CURRENT OWNER:
OSWALT LUTHER E

37"LO
48"LAO
37"LO
39"LO
20"BC
9"LAO
43"LO
55"LAO
10"13"CB
27"LAO
27"LAO
48"LO
29"LAO
27"51"LAO
11"CB
8"CB
14"CB
8"CB
11"CB
8"CB
8"CB
58"LO
19"HB
12"CB
11"LO
42"LO
10"CB
51"LAO
8"CB
21"LO

MATCHLINE IR-4

MATCHLINE IR-5

MATCHLINE IR-4

MATCHLINE IR-6

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CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JWS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
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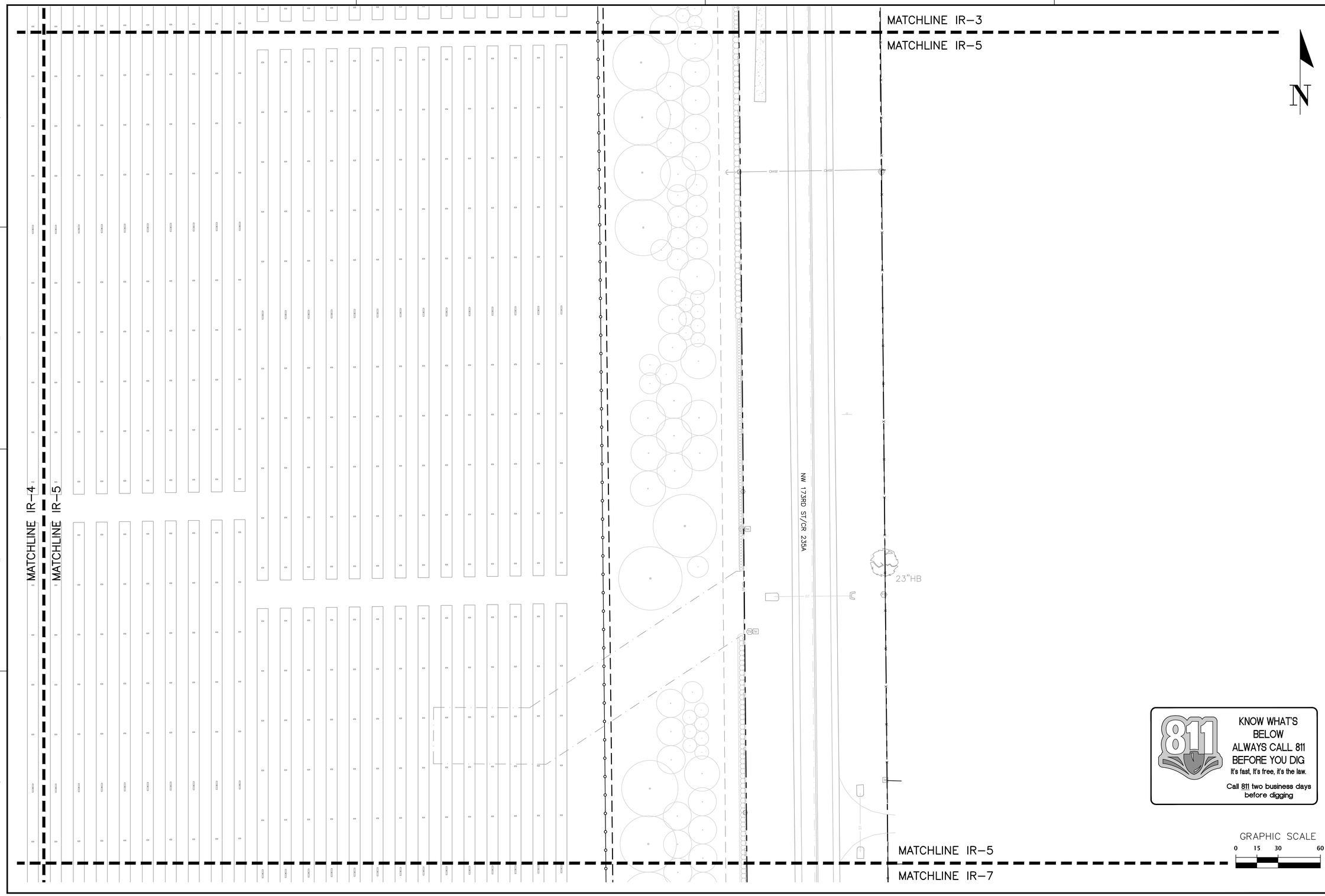
LA6667436
STATE OF FLORIDA

SHEET NO.: IR-4



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CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

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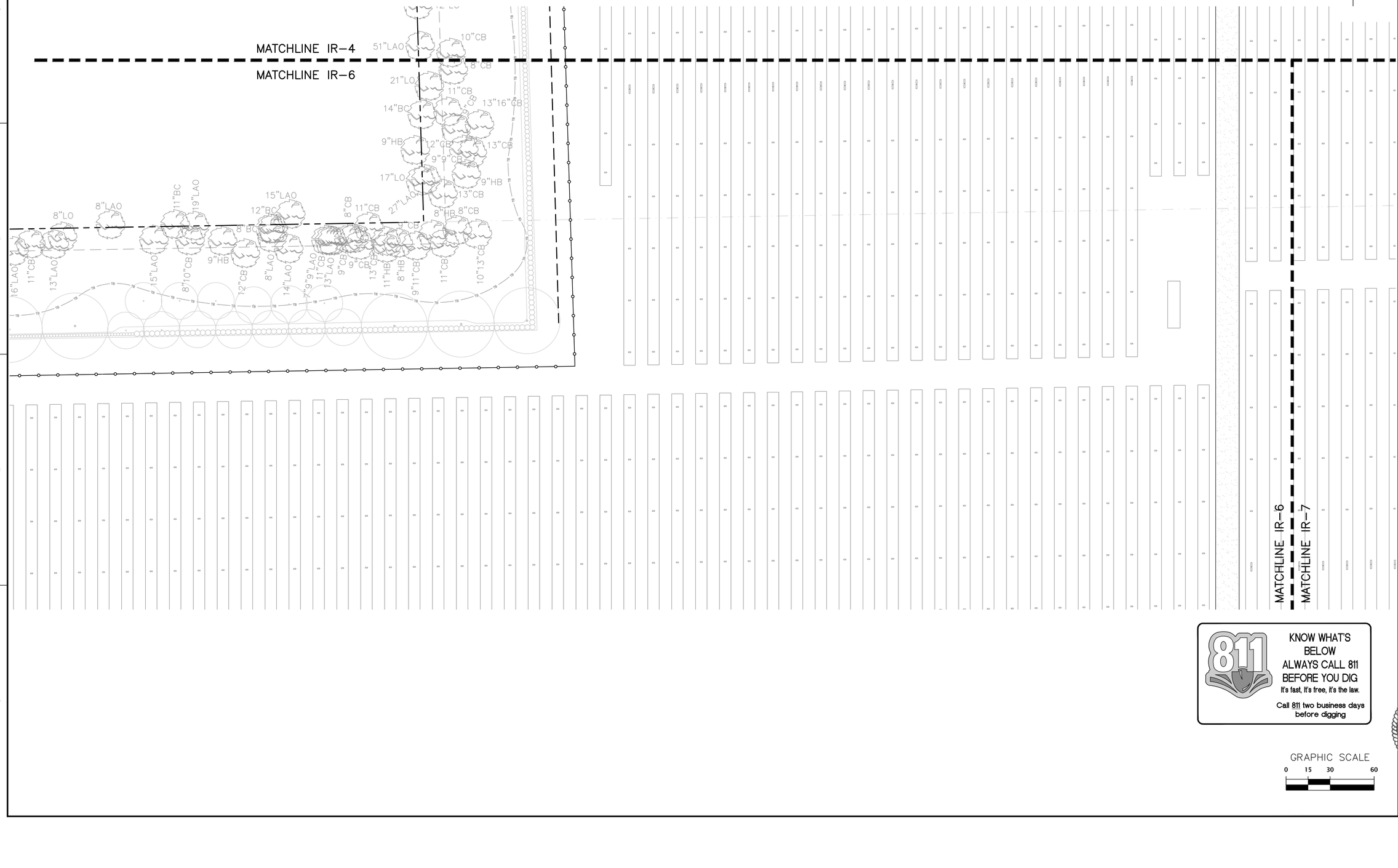
SHEET NO.: IR-5



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CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.:
IR-6

MATCHLINE IR-5

MATCHLINE IR-7

NW 173RD ST/CR 235A

LIMIT OF CLEAR SIGHT, TYP.

OHW

MATCHLINE IR-7

MATCHLINE IR-8

GRAPHIC SCALE

0 15 30 60

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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. KOSARIO
DESIGNER: L. KOSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

SHEET NO.: IR-7

MATCHLINE IR-7

MATCHLINE IR-8

N

100' BUFFER FROM 4' EXISTING CHAIN LINK FENCE FOR GRAVEYARD, TYP.

IETERY

4" SLEEVE

NW 173RD ST/CR 235A

LIMIT OF CLEAR SIGHT, TYP.

MATCHLINE IR-8

MATCHLINE IR-9

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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

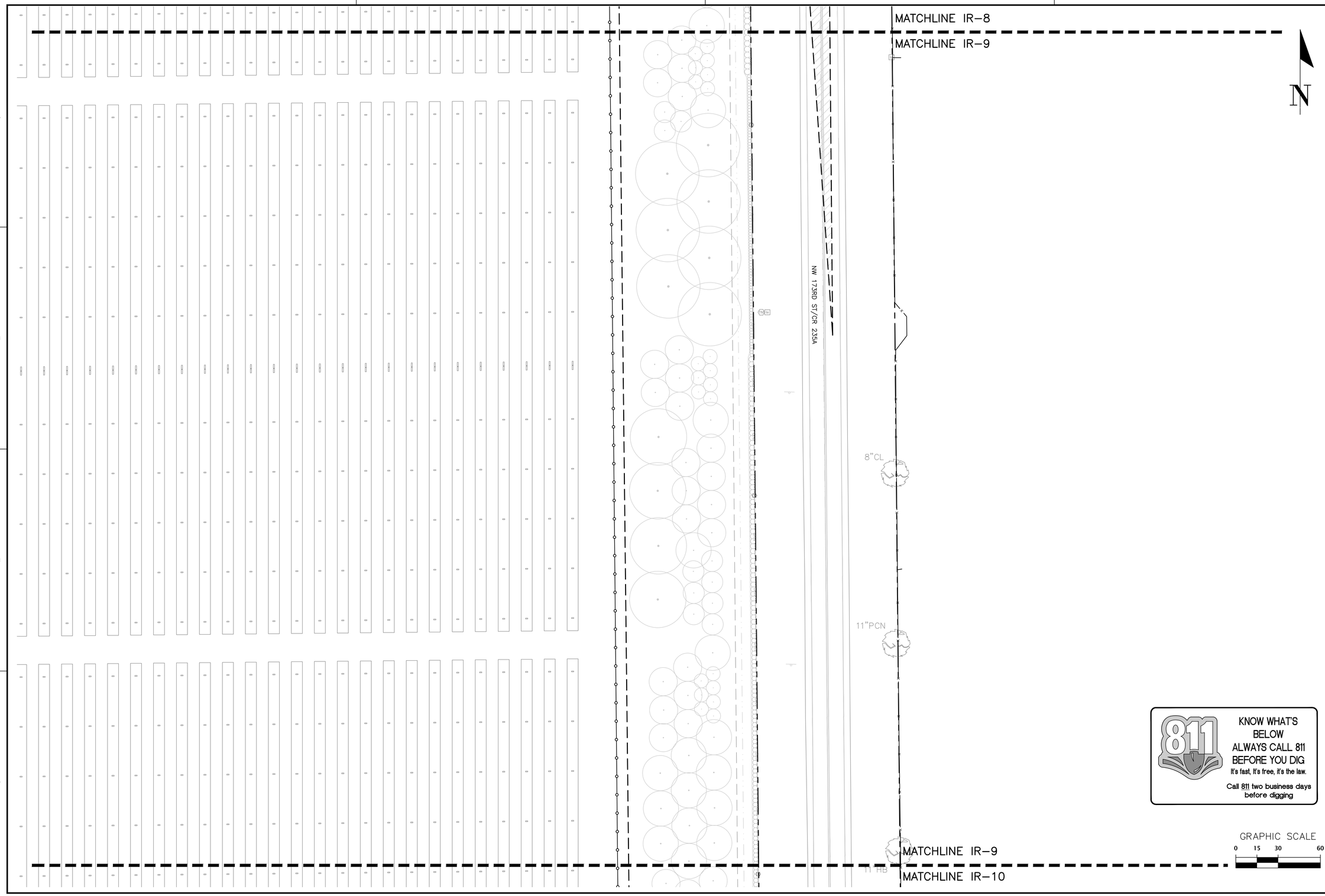
PROJECT: PLEASANT SOLAR

SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: IR-8



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CHW Professional Consultants

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SUBMITALS:
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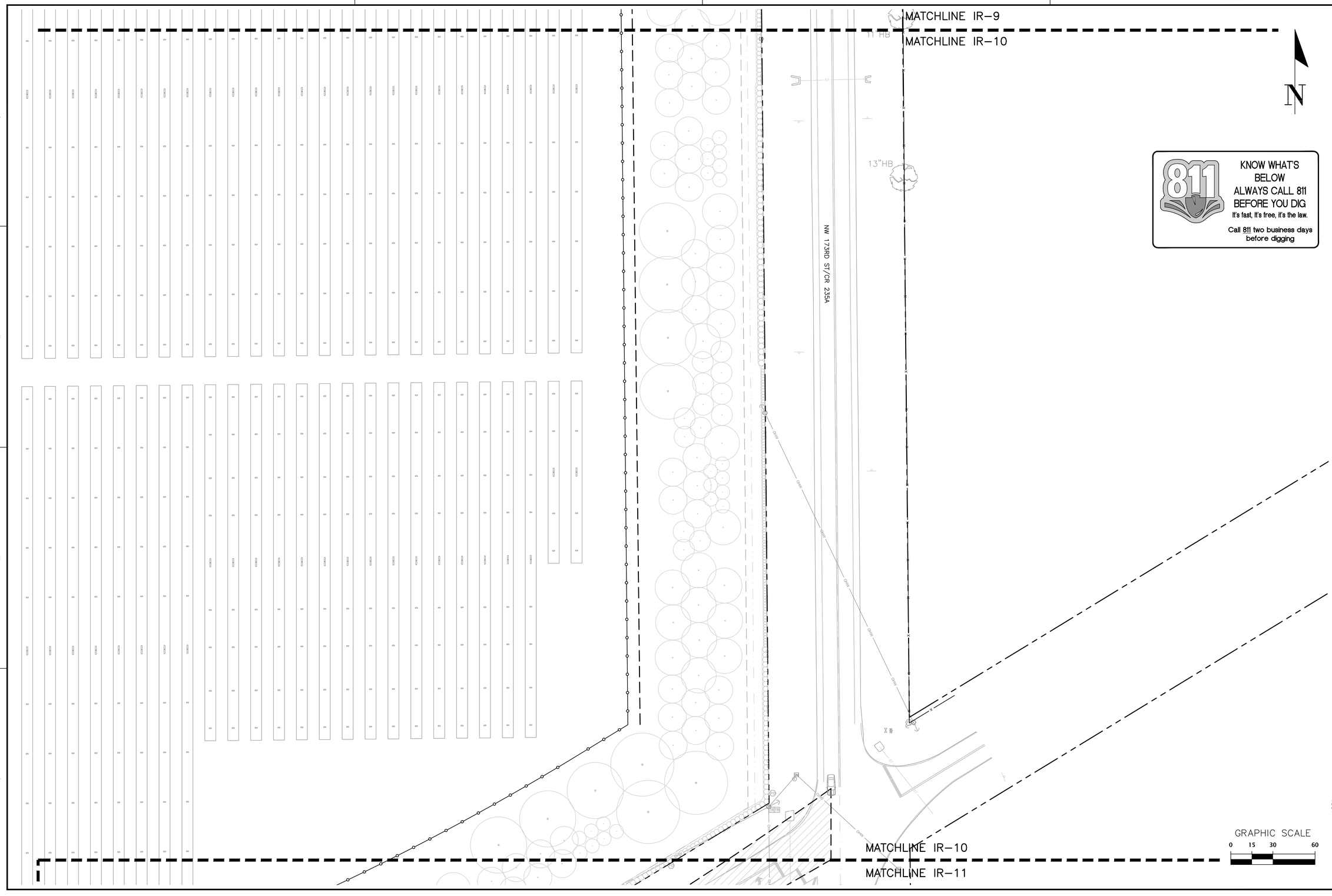
03/07/2024 - SUBMITTAL TO CITY OF ALACHUA
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: IR-9



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QUALITY CONTROL: JMS
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REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

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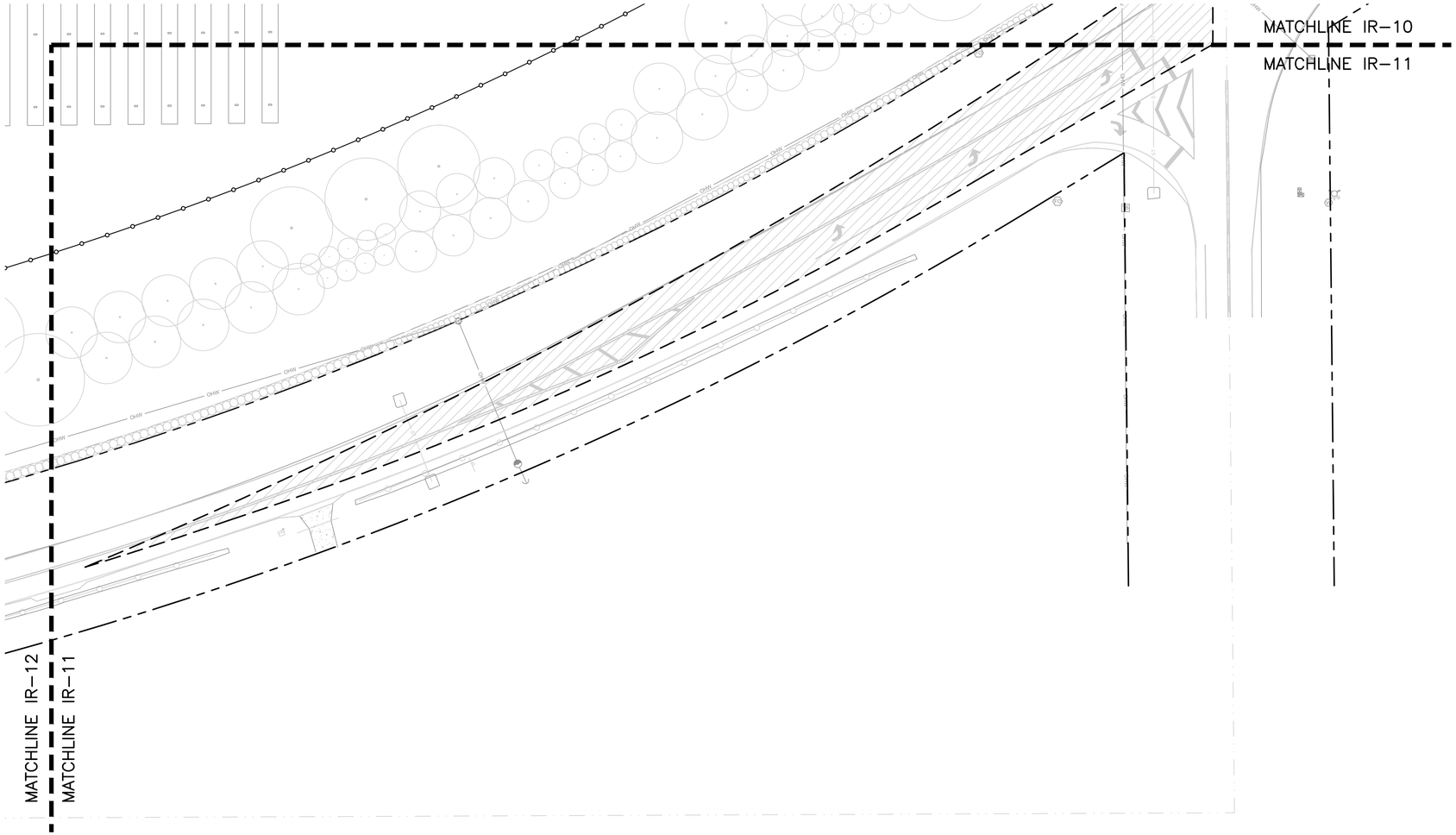

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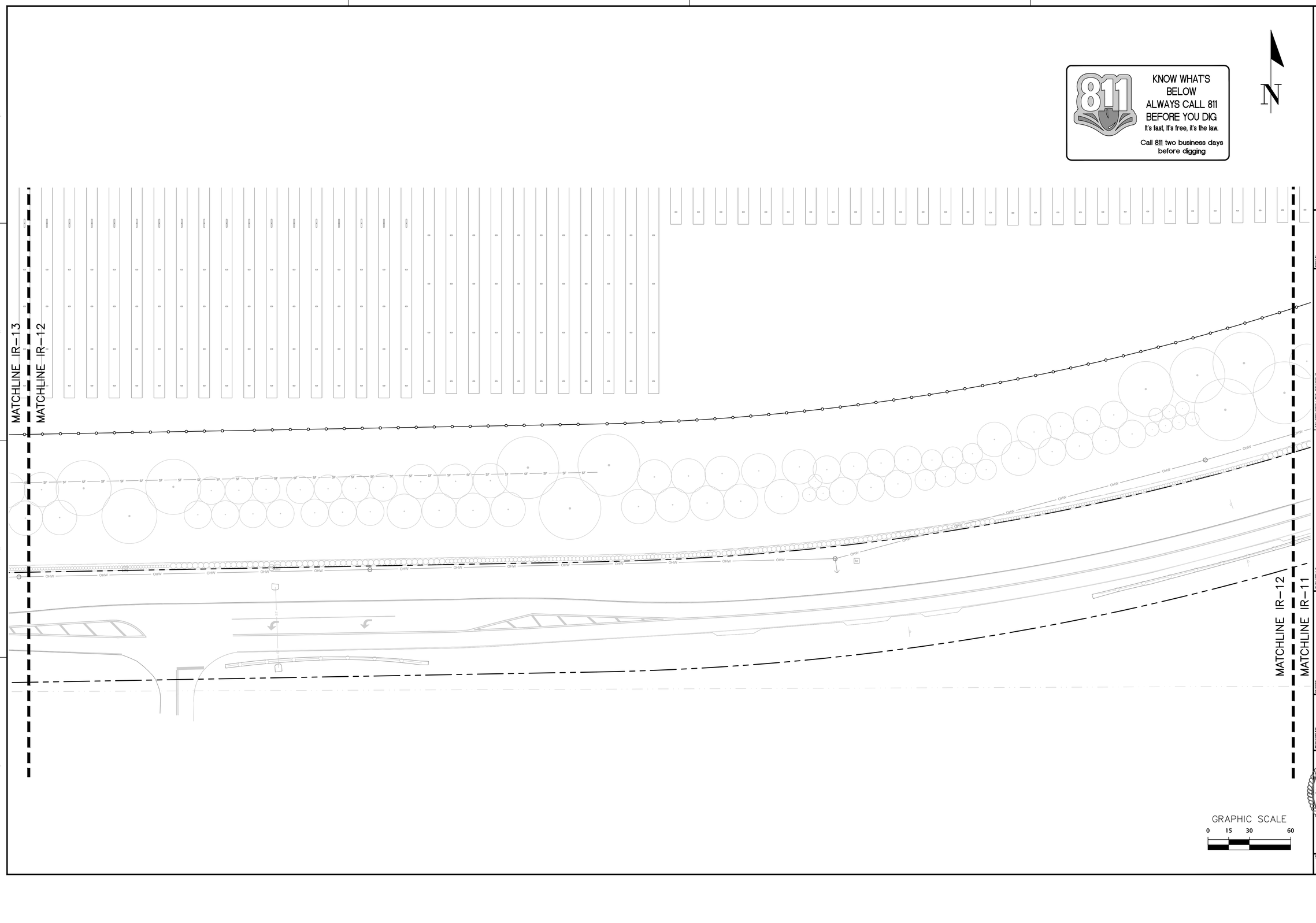
SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMMONS
LA6667436
STATE OF FLORIDA

SHEET NO.:
IR-11



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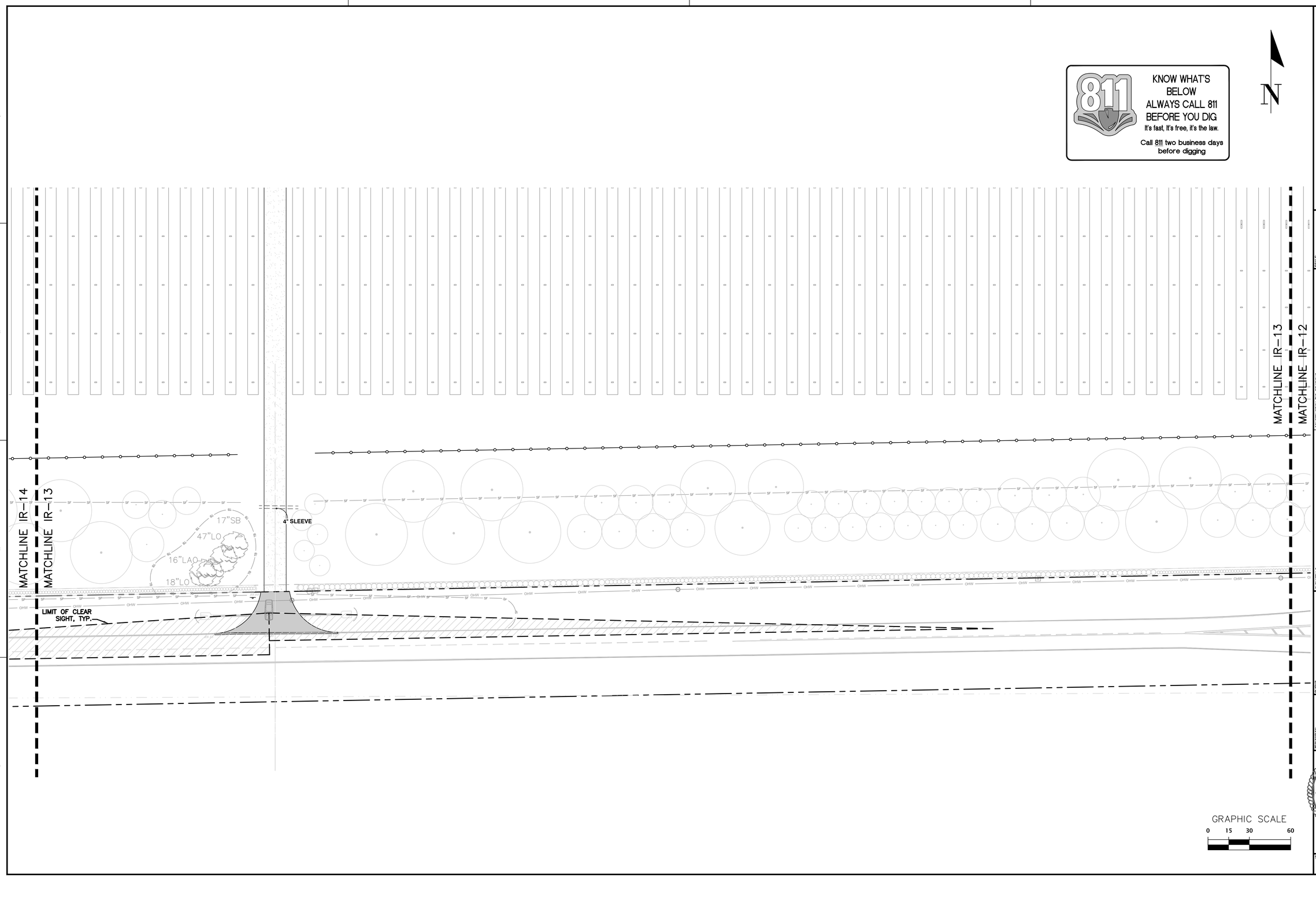
PROJECT: PLEASANT SOLAR

SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMMONS
LA6667436
STATE OF FLORIDA

SHEET NO.:
IR-12



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JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.:
IR-13

CANLESS
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FL 32615

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By

CITY OF ALACHUA
PLANNING AND COMMUNITY DEVELOPMENT
PO BOX 9
ALACHUA, FL 32616

32615-000909

Planning and Community Development May 30, 2024

City of Alachua

PO Box 9

Alachua, FL 32616

REF: Rezoning Parcels 03894-000-000, 03898-000-000

Dear Sir,

I have discovered that the rezoning of the referenced property to allow a Solar Farm to be located on the 321+ acres located north of Peggy Rd (CR2054) and west of 173rd Street (CR235A).

I am a retired Registered Professional Engineer and spent most of my 54 year career involved in the design and construction of $100-800 million dollar industrial facilities mostly in the United States with a sprinkling of international countries. The Solar Farm industry is a relatively new concept that I was too late to participate in. However, I have extensive experience in this type of development and have been outspoken about shortcomings in the design and creation of these "farms". The biggest oversight is the destruction of potential use of the land below the solar panels. I would highly recommend a requirement that the solar panels be mounted on a structural support system that will provide a **minimum** of 10 feet absolute clearance under the system with support posts placed far enough apart to allow other use for the land beneath the solar panel and support system. Other uses could include a myriad of possibilities...raise livestock, farm crops, this location would allow lease of small individual family owned/leased raised planter flower/crop, county/city park, hiking trails, maybe a city of mini-homes for senior citizens, etc.. the developer will scream at the added cost of additional engineering design, site prep, materials, labor, and other small increases. Some may also comment that shading the land under would not allow growth of anything. I would point to shade tobacco vs. bright tobacco...tobacco grown under a cotton cloth vs. tobacco grown in bright sunlight...practices that dominated southern agriculture for at least a hundred years. Shade tobacco was always higher quality. Newer research is proving that "shade" crops of various types are higher quality. Lastly, if climate change increases surface temperatures, perhaps "shade" farms will be the saving grace to allow us to continue to feed ourselves. The supporting culture could be used to gather and store rain water and be used more efficiently...when needed, where needed instead of allowing it to drain off or evaporate, then suffer when drought conditions occur.

These are general concepts that will add to cost. I would make a wild guess of 20-25%. That is a considerable increase but this complex will be there for generations, perhaps hundreds of years if solar becomes what some believe to be the replacement of the Deerhaven power generation plant. All I ask is that the developer be required to think and plan long term. Think Detroit and the Automotive industry. If

Solar proves to be the panacea many see, this facility, located where it is, will be there for a vey long time, and will be modified and retooled every time new technology proves to be profitable enough. In the not too distant future this facility will be based in the middle of a major residential/commercial area of our city...and it will be there forever. This, based on construction efforts exploding as they are now.

Thank you,



John McCanless PE

11504 NW 136 St.

Alachua, FL 32615

386-462-2005 H

352-339-3480 C

City of Alachua
THE GOOD LIFE COMMUNITY

Board/Committee Agenda Item

MEETING DATE: 6/11/2024
SUBJECT: Site Plan - Pleasant Solar: A request by Travis Hastay, P.E., of Causseaux, Hewett, & Walpole, LLC, applicant and agent for Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; & Henderson Brothers, Inc., property owners, for consideration of a site plan proposing the construction of a ± 74.9 MWac solar facility containing ± 248,921 square feet of impervious surface area with associated site improvements on a ± 321.49-acre subject property located at 17920 Peggy Road; FLU: Agriculture, Moderate Density Residential; ZONING: A, RSF-4; Tax Parcel: 03894-000-000, 03898-000-000 (Quasi-Judicial Hearing)

PREPARED BY: Carson J. Crockett, AICP Candidate, Planner

RECOMMENDED ACTION:
Staff recommends that the Planning & Zoning Board approve the Site Plan for Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; & Henderson Brothers, Inc., subject to the two conditions provided in Exhibit "A" and located on page 20 of the June 11, 2024 Staff Report to the Planning & Zoning Board.

Recommended Motion: *I move based upon the competent substantial evidence presented at this hearing, the presentation before this Board, and Staff's recommendation, that this Board finds the application to be consistent with the City of Alachua Comprehensive Plan and in compliance with the Land Development Regulations and approves the Site Plan for Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; & Henderson Brothers, Inc., subject to the two conditions provided in Exhibit "A" and located on page 20 of the June 11, 2024 Staff Report to the Planning & Zoning Board.*

Summary

This application is a request by Travis Hastay, P.E., of Causseaux, Hewett, & Walpole, LLC, applicant and agent for Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; & Henderson Brothers, Inc., property owners, for consideration of a site plan proposing the construction of a ± 74.9 MWac solar facility containing ± 248,921 square feet of impervious surface area with associated site improvements on a ± 321.49-acre subject property (tax parcel: 03894-000-000; 03898-000-000).

The subject property is located at 17920 Peggy Road. The subject property contains portions of land used for agricultural activities, undeveloped lands comprised of naturally wooded areas, and one existing single-family detached dwelling proposed to be demolished.

Access will be provided via Peggy Road.

ATTACHMENTS:

Description

- Staff Report & Supporting Materials
- Public Notice Materials
- Application Materials Part 1 of 3
- Application Materials Part 2 of 3
- Application Materials Part 3 of 3
- Decommissioning Memo
- Site Plan Set Part 1 of 3
- Site Plan Set Part 2 of 3
- Site Plan Set Part 3 of 3
- Written Comment 2024_06_03

City of Alachua
Planning & Community Development Department
Staff Report

Planning & Zoning Board Hearing Date: June 11, 2024
Quasi-Judicial Hearing **Application #: PSP23-0011**

SUBJECT:	A request for a site plan proposing the construction of a ± 74.9 MWac solar facility with associated site improvements.
APPLICANT/AGENT:	Travis Hastay, P.E., Causseaux, Hewett, & Walpole, LLC
PROPERTY OWNER:	Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; Henderson Brothers, Inc.
LOCATION:	17920 Peggy Road
PARCEL ID NUMBER:	03894-000-000; 03898-000-000
FLUM DESIGNATION:	Agriculture; Moderate Density Residential
ZONING:	Agricultural (A); Residential Single Family District-4 (RSF-4)
OVERLAY:	N/A
ACREAGE:	± 321.49
PROJECT PLANNER:	Carson J. Crockett, AICP Candidate
RECOMMENDATION:	Staff recommends that the Planning & Zoning Board approve the Site Plan for Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; & Henderson Brothers, Inc., subject to the two conditions provided in Exhibit "A" and located on page 19 of the June 11, 2024 Staff Report to the Planning & Zoning Board.
RECOMMENDED MOTION:	*I move based upon the competent substantial evidence presented at this hearing, the presentation before this Board, and Staff's recommendation, that this Board finds the application to be consistent with the City of Alachua Comprehensive Plan and in compliance with the Land Development Regulations and approves the Site Plan for Waco Properties, Inc.; Gary D. Brown Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; & Henderson Brothers, Inc., subject to the two conditions provided in Exhibit "A" and located on page 19 of the June 11, 2024 Staff Report to the Planning & Zoning Board.*

SUMMARY

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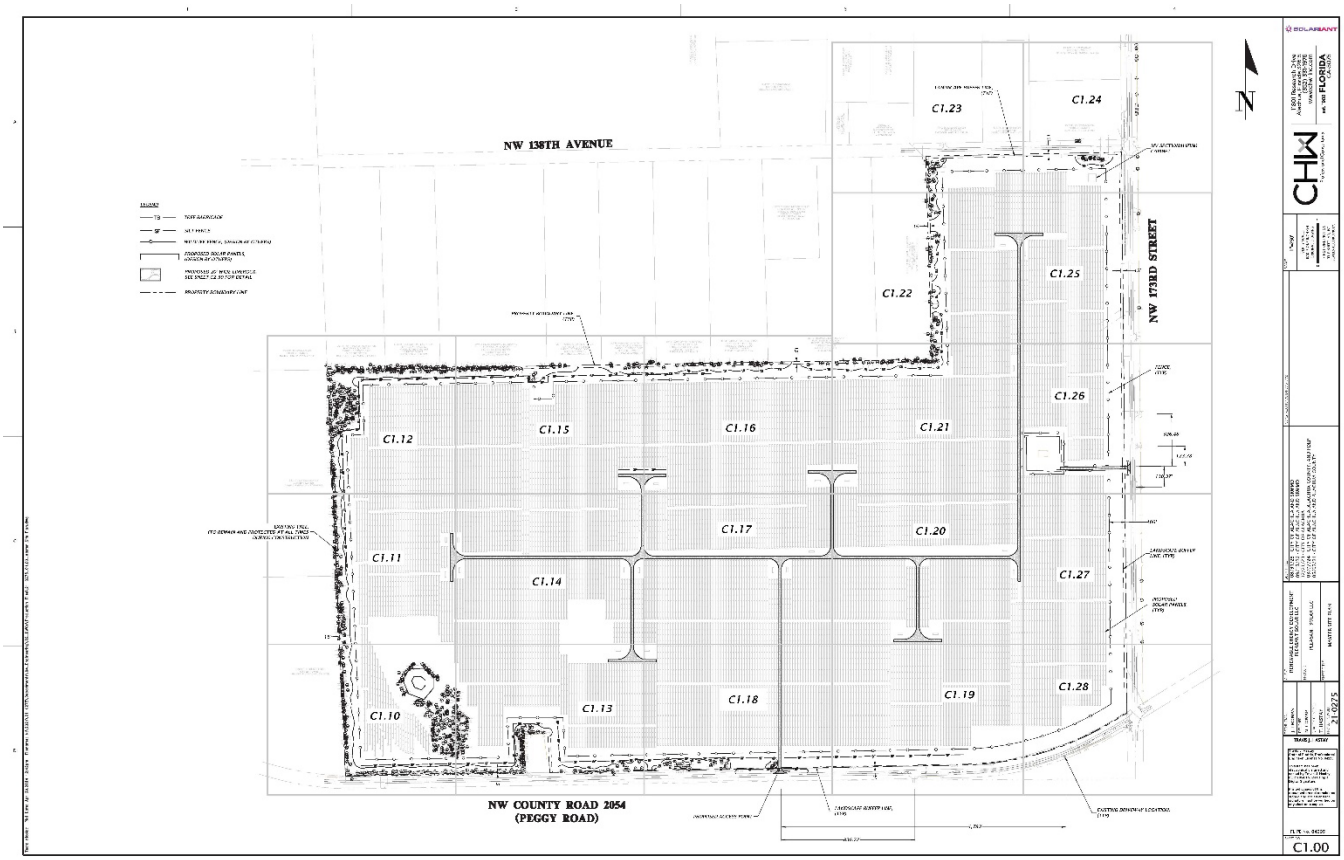


Figure 1. Proposed Site Plan Overview

SURROUNDING USES

The existing uses, Future Land Use Map (FLUM) designations, and zoning districts of the surrounding area are identified in Table 1. Figure 2 provides an overview of the vicinity of the subject property. (NOTE: The information below is intended to provide a general overview of the area surrounding the subject property and to generally orient the reader. The information below is not intended to be all-inclusive, and may not identify all existing uses, FLUM designations, and/or zoning districts surrounding the subject property.)

Table 1. Surrounding Land Uses

Direction	Existing Use(s)	FLUM Designation(s)	Zoning District(s)
North	Agriculture; Single-family residential	Rural/Agriculture (County)	Agricultural (A) (County)
South	Single-family residential; Warehouse & distribution	Agriculture; Industrial	Agricultural (A); General Industrial (IG)
East	Single-family residential	Agriculture	Agricultural (A)
West	Agriculture; Single-family residential	Rural/Agriculture (County)	Agricultural (A) (County)

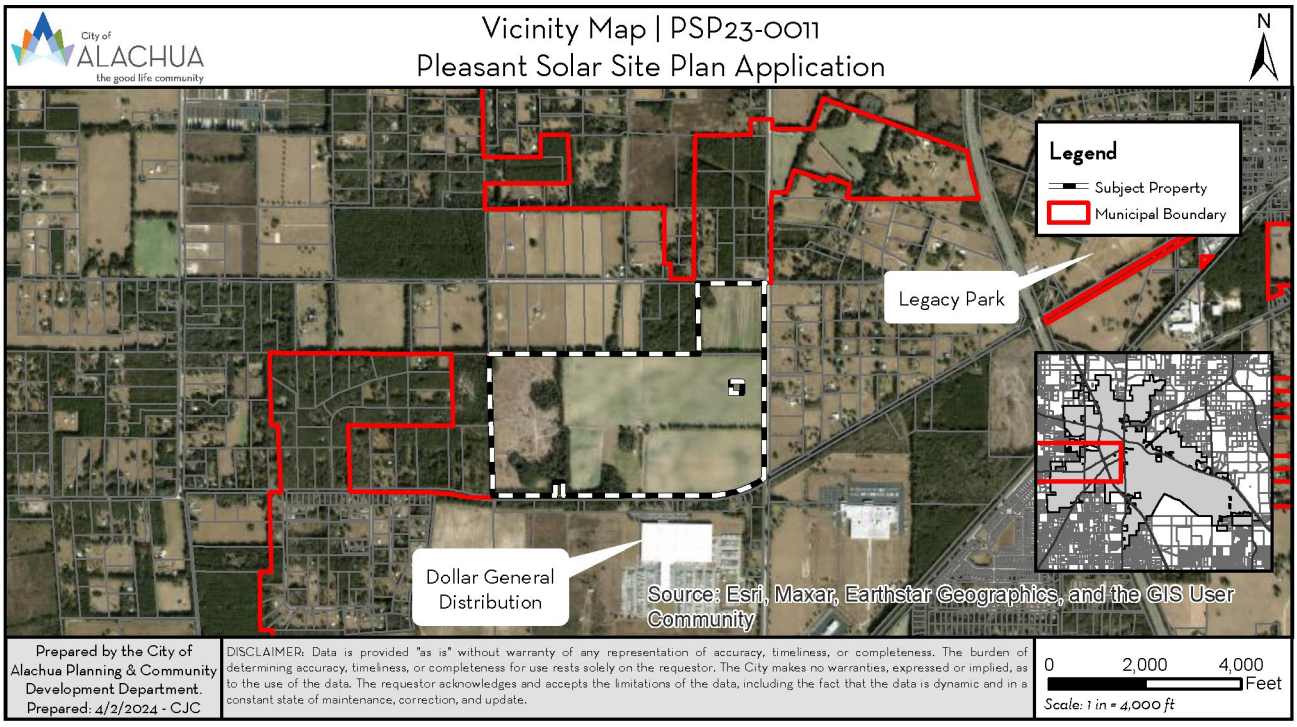


Figure 2. Vicinity Map

NEIGHBORHOOD MEETING

The purpose of a neighborhood meeting is to educate the owners of nearby land and any other interested members of the public about the project and to receive comments regarding the project. Neighborhood meetings are required for site plan applications.

A neighborhood meeting was held on April 27, 2022 at 11801 Research Drive, Alachua Fl 32615 (CHW Office). As required by Section 2.4.4 of the City's Land Development Regulations, all property owners within 400 feet of the subject property were notified and notice of the meeting was published in a newspaper of general circulation. The applicant was available to answer questions. Materials submitted by the applicant indicate that the meeting was attended by 10 members of the public.

An additional neighborhood meeting was held on August 18, 2022 at 11801 Research Drive, Alachua Fl 32615 (CHW Office). The applicant was available to answer questions. Materials submitted by the applicant indicate that the meeting was attended by 16 members of the public.

Neighborhood meeting summaries are available for inspection and are included as part of the application materials.

COMPRHENSIVE PLAN CONSISTENCY ANALYSIS

The Goals, Objectives, and Policies (GOPs) identified below are provided to establish a basis of the application's consistency with the Comprehensive Plan. There may be additional GOPs which the application is consistent with that are not identified within this report. An evaluation and findings of consistency with the identified GOPs is also provided below.

Future Land Use Element

Goal 1: *Future Land Use Map 2035*

The City shall maintain a Future Land Use Map in order to effectively guide development in a sustainable manner and to ensure economic prosperity and stability while maintaining a high quality of life for all of its present and future citizens, businesses, and visitors.

Objective 1.1: *Agriculture*

The City shall establish an Agriculture land use category in order to maintain agriculture operations within the city limits as well as preserve the rural character and small-town charm of Alachua.

Evaluation & Findings – Objective 1.1: State Statute 163.3205 establishes a solar facility as a permitted use in all agricultural land use categories in a local government comprehensive plan. The proposed site plan is consistent with the uses permitted within the Agriculture land use category (solar facility).

Objective 5.1: *Natural features*

The City shall coordinate land use categories with appropriate topography, soils, areas of seasonal flooding, wetlands and habitat during review of proposed amendments to the Future Land Use Map and the development review process. Natural features may be included as amenities within a development project.

Policy 5.1.a: *Topography*: The City shall protect the natural topography of the City, including steep and seepage slopes, by requiring new development to include techniques to minimize negative impacts on the natural terrain. An emphasis will be placed on retaining the natural function of seepage slopes during development. Additionally, retention of existing native vegetation will be encouraged as one method of protecting slopes.

Policy 5.1.b: *Soils*: The City shall ensure soil protection and intervention measures are included in the development review process.

Policy 5.1.c: *Flood prone areas*: The City shall require as part of the development review process the identification of FEMA flood zone areas. Where necessary, base flood elevations and minimum finished floor elevations shall be established. The City shall also require finished floor elevations on subdivision plats, site plans and building permit plans when necessary to determine compliance with flood prone area regulations. The City shall establish standards for a limitation on filling in flood prone areas.

Policy 5.1.d: *Wetlands*: The City shall utilize statewide wetland delineation methodology in accordance with Florida Administrative Code (FAC) and regulations adopted by the FDEP and the Suwannee River Water Management District.

Policy 5.1.e: *Habitat*: The City shall require as part of the development review process, an inventory of listed species for all new developments in areas identified as known habitat for listed species if listed species are known to exist in close proximity to the development. The survey shall include detailed information regarding type, quantity, location, and habitat requirements for any listed species identified. A de minimus threshold for properties required to complete the inventory may be established in the City's Land Development Regulations.

Evaluation & Findings – Policy 1.2.b: An environmental conditions analysis has been included within this staff report. Based upon a wetland delineation completed by TRC Environmental Corporation in December of 2022, a ± 0.12-acre wetland is present on the site. The wetland has been sufficiently buffered and is proposed to remain. Based on the best available data, there are no other significant environmental resources that could limit or impact development.

Transportation Element

Objective 1.1: *Level of Service*

The City shall establish a safe, convenient, and efficient level of service standard for all motorized and non-motorized transportation systems.

Evaluation & Findings – Objective 1.1: An analysis of the impacts to transportation facilities has been provided within this report. The proposed site plan will not result in a decrease in the level of service for transportation facilities monitored for concurrency.

Community Facilities Element

Policy 1.1.d: The City hereby establishes the following level of service standards for sanitary sewer facilities:

Wastewater System Levels of Service

a) *Quality*: Compliance with all applicable standards of the U.S. Environmental Protection Agency (EPA) and the Florida Department of Environmental Protection (FDEP).
b) *Quantity*: System-wide wastewater collection and treatment will be sufficient to provide a minimum of 250 gallons per day per equivalent residential unit (ERU) on an average annual basis. Plant expansion shall be planned in accordance with Rule 62-600.405, Florida Administrative Code, or subsequent provision.
c) *System capacity*: If the existing demand and reserved capacity of the committed use of the City's wastewater facility reaches 85% of the permitted capacity design, no further development orders for projects without reserved capacity will be issued until additional capacity becomes available or funds to increase facility capacity are committed in accordance with a development agreement.

Evaluation & Findings – Policy 1.1.d: An analysis of the impacts to wastewater facilities has been provided within this report. The proposed site plan will not result in a decrease in the level of service for wastewater facilities monitored for concurrency.

Objective 2.1: *Solid Waste Level of Service Standards and Implementation*

The City shall continue to ensure satisfactory and economical solid waste service for all City residents with an emphasis on reuse and recycling.

Policy 2.1.a: The City hereby establishes the following level of service for solid waste disposal facilities for residential uses:

Facility Type	Level of Service Standard
Solid Waste Landfill	0.73 tons per capita per year

Evaluation & Findings – Objective 2.1 and Policy 2.1.a: An analysis of the impacts to solid waste facilities has been provided within this report. The proposed site plan will not result in a decrease in the level of service for solid waste facilities monitored for concurrency.

Policy 4.1.c: The City shall establish the following level of service standards for potable water:

1. *Quality*: Compliance with all applicable standards of the U.S. Environmental Protection Agency (EPA) and the Florida Department of Environmental Protection.
2. *Quantity*: System-wide potable water distribution and treatment will be sufficient to provide a minimum of 275 gallons per day per equivalent residential unit (ERU) on an average annual basis.
3. *Capacity*: Plant expansion shall be planned in accordance with Florida Administrative Code. Additionally, if the existing demand and reserved capacity of the City's potable water facility reach 85% of the permitted design capacity, no further development orders or permits for projects without reserved capacity will be issued until additional capacity becomes available or funds to increase facility capacity are committed in accordance with a development agreement.

Evaluation & Findings – Policy 4.1.c: An analysis of the impacts to potable water facilities has been provided within this report. The proposed site plan will not result in a decrease in the level of service for potable water facilities monitored for concurrency.

Conservation and Open Space Element

Objective 1.10: *Wetlands*

The City shall protect and preserve wetland values and functions from adverse, human caused, physical and hydrological disturbances.

Evaluation & Findings – Objective 1.10: An environmental conditions analysis has been included within this staff report. Based upon a wetland delineation completed by TRC Environmental Corporation in December of 2022, a ± 0.12-acre wetland is present on the site. The wetland has been sufficiently buffered and is proposed to remain.

ENVIRONMENTAL CONDITIONS ANALYSIS

Wetlands

Wetlands are areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal conditions do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

Evaluation & Findings: Based upon a wetland delineation completed by TRC Environmental Corporation in December of 2022, a ± 0.12-acre wetland is present on the subject property. The wetland has been sufficiently buffered and is proposed to remain.

Strategic Ecosystems

Strategic ecosystems were identified by an ecological inventory project in a report prepared for Alachua County Department of Growth Management in 1987 and updated in 1996. The purpose of the inventory was to identify, inventory, map, describe, and evaluate the most significant natural biological communities in private ownership in Alachua County.

Evaluation & Findings: The subject property is not located within or adjacent to a strategic ecosystem, therefore, the development will have no impact upon any strategic ecosystems identified within the ecological inventory report.

Regulated Plant & Animal Species

The Florida Natural Areas Inventory (FNAI) has identified areas throughout the State of Florida which may contain good quality natural communities. This data layer is known as the Potential Natural Areas (PNA) data layer, and identifies privately owned lands that are not managed or listed for conservation purposes. These areas were delineated by FNAI scientific staff through interpretation of natural vegetation from 1988-1993 FDOT aerial photographs and from input received during Regional Ecological Workshops held for each regional planning council. These workshops were attended by experts familiar with natural areas in the region.

Potential Natural Areas were assigned ranks of Priority 1 through Priority 5 based on size, perceived quality, and type of natural community present. The areas included in Priority 5 are exceptions to the above criteria. These areas were identified through the same process of aerial photographic interpretation and regional workshops as the PNA 1 through 4 ranked sites, but do not meet the standard criteria.

Evaluation & Findings: No species identified as endangered, threatened, or of special concern are known to exist on the subject property. A western portion of the subject property is identified as FNAI Priority 5. If a regulated plant or animal species is identified during development, the applicant must adhere to the applicable standards in the City of Alachua Comprehensive Plan and the Land Development Regulations.

Soil Survey

The hydrologic soil group is an indicator of potential soil limitations. The hydrologic soil group, as defined for each specific soil, refers to a group of soils which have been categorized according to their runoff-producing characteristics. These hydrologic groups are defined by the Soil Survey of Alachua County, Florida, dated August 1985. The chief consideration with respect to runoff potential is the capacity of each soil to permit infiltration (the slope and kind of plant cover are not considered, but are separate factors in predicting runoff.) There are four hydrologic groups: A, B, C, and D. "Group A" soils have a higher infiltration rate when thoroughly wet and therefore have a lower runoff potential. "Group D" soils have a lower infiltration rate and therefore a higher runoff potential.

There are nine soil types found within the subject property, shown in Table 2.

Table 2. Soil Types

Soil Type	Hydrologic Group	Drainage Class	Limitations		% of Subject Property (may not total to 100% due to rounding)
			Dwellings Without Basements	Small Commercial Buildings	
Arredondo Fine Sand, 0 to 5% Slope	A	Well drained	Slight	Slight	53.66
Fort Meade Fine Sand, 0 to 5% Slope	A	Well drained	Slight	Slight	14.29
Gainesville Sand, 0 to 5% Slope	A	Well drained	Slight	Slight	10.87
Kendrick Sand, 2 to 5% Slope	A	Well drained	Slight	Slight	7.45
Millhopper Sand, 0 to 5% Slope	A	Moderately well drained	Slight	Slight	6.31
Arredondo Fine Sand, 5 to 8% Slope	A	Well drained	Slight	Moderate: slope	3.61
Lochloosa Fine Sand, 2 to 5% Slope	C	Somewhat poorly drained	Slight	Slight	2.53
Bivans Sand, 5 to 8% Slope	D	Poorly drained	Severe: wetness, shrink-swell	Severe: wetness, shrink-swell	1.01
Lake Fine Sand, 0 to 5% Slope	A	Excessively drained	Slight	Slight	0.27

Evaluation & Findings: The soil types present on the subject property do not pose any significant limitations for the proposed development.

Flood Potential

Panel 12001C0120D of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Series, dated June 16, 2006 indicates that the development area is in Flood Zone X (areas determined to be outside of the 500-year floodplain).

Evaluation & Findings: The subject property is located in Flood Zone X (areas determined to be outside of the 500-year floodplain) and there are no issues related to flood potential.

Karst-Sensitive Features

Karst sensitive areas include geologic features, such as fissures, sinkholes, underground streams, and caverns, and are generally the result of irregular limestone formations.

Evaluation & Findings: The subject property is located within an area designated by the Suwannee River Water Management District (SRWMD) High Aquifer Recharge Map (HARP) as an area with a high aquifer recharge potential. Additionally, best available data indicates five potential sinkholes on the subject property. A Geotechnical Engineering Report prepared by GSE Engineering & Consulting, Inc. concludes that the potential sink holes appear to be relic sinkholes and that the "risk for sinkhole development at this site is lower than what would be expected for the general area of Alachua County."

Wellfield Protection Zones

Policy 7.2.1 of the Future Land Use Element of the City's Comprehensive Plan establishes a 500-foot radius area around each city-owned potable water well.

Evaluation & Findings: The subject property is not located within a City of Alachua wellfield protection zone as identified on the City of Alachua Wellfield Primary Protection Zones Map of the City's Comprehensive Plan and there are no issues related to wellfield protection.

Historic Structures/Markers and Historic Features

The State of Florida and the Alachua County Historic Resources Inventory identify historic structures in addition to the City's Historic Overlay District, as established by Section 3.7 of the City's Land Development Regulations.

Evaluation & Findings: The subject property is not within the City's Historic Overlay District and the State of Florida and Alachua County Historic Resources Inventory note no historic structure or markers on the subject property.

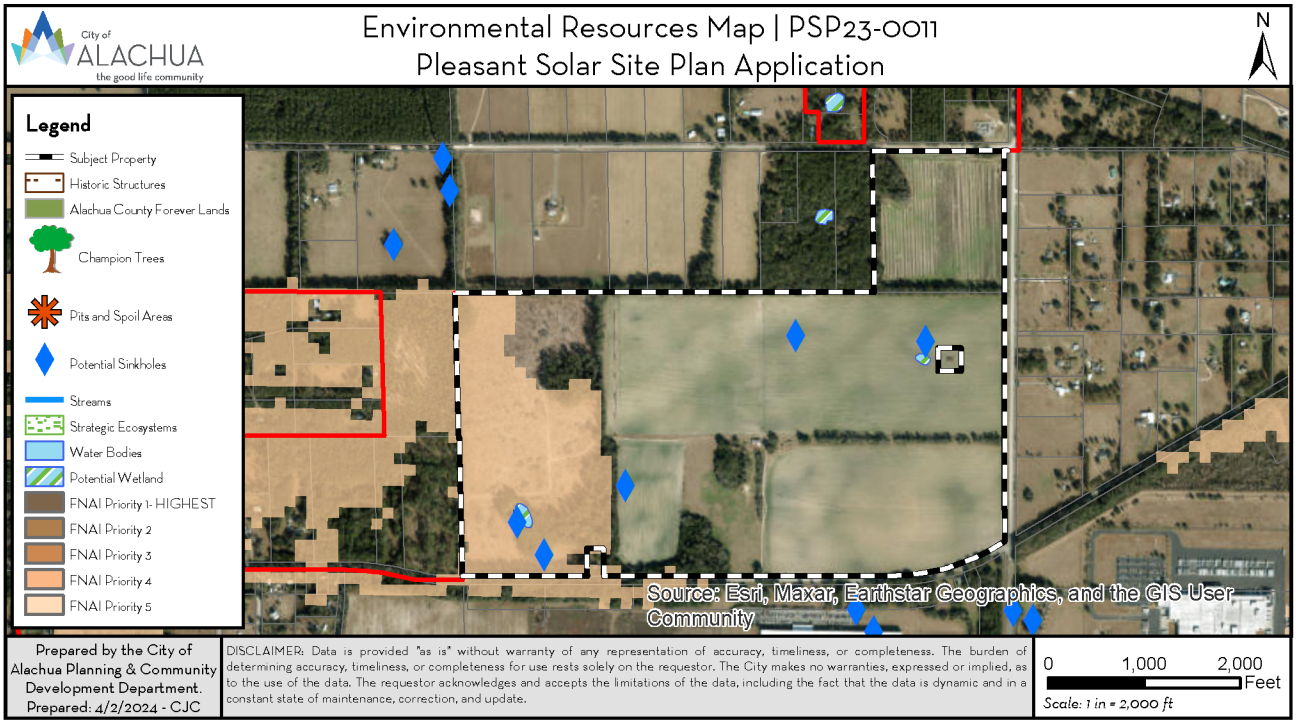


Figure 3. Environmental Resources Map

FINDINGS OF FACT: COMPLIANCE WITH LAND DEVELOPMENT REGULATIONS

Site Plan Standards

Section 2.4.9(E)(1) of the City's Land Development Regulations (LDRs) establishes the standards with which all site plan applications must be found compliant. The application has been reviewed for compliance with the standards of Section 2.4.9(E)(1). An evaluation of the findings of the applicant's compliance with the standards of Section 2.4.9(E)(1) is provided below.

(1) *Minor site plan and site plan standards*. A minor site plan or site plan shall be approved only upon a finding the applicant demonstrates all of the following standards are met:

(a) *Consistency with the Comprehensive Plan*. The development and uses proposed by the minor site plan or site plan comply with the goals, objectives and policies of the Comprehensive Plan.

Evaluation & Findings: An analysis of consistency with the Comprehensive Plan has been provided within this report.

(b) *Use allowed in zone district*. The use is allowed in the zone district in accordance with Article 4, Use regulations.

Evaluation & Findings: The subject property is zoned Agricultural (A) and Residential Single Family District-4 (RSF-4). Major utility is permitted as a special exception use in both zone districts. A companion request for a special exception permit (Application #PSE23-0001) has been submitted with this request.

(c) *Zone district use specific standards*. The development and uses proposed by the minor site plan or site plan comply with Section 4.3, Use specific standards.

Evaluation & Findings: Use specific standards for a major utility use are established in Section 4.3.2(I)(3) of the City's Land Development Regulations. The applicant has demonstrated compliance with all use specific standards.

(d) *Development and design standards*. The development proposed by the minor site plan or site plan and its general layout and design comply with all applicable standards in Article 6, Development Standards.

Evaluation & Findings: The application has been reviewed for and is found to comply with all applicable and relevant provisions of Article 6, Development Standards, including but not limited to Section 6.1, Off-street parking and loading standards, Section 6.2, Tree protection and landscaping standards, Section 6.3, Fencing standards, Section 6.4, Exterior lighting standards, Section 6.7, Open space standards, and Section 6.9, Environmental protection standards.

The applicant has requested off-site tree mitigation in accordance with Section 6.2.1 (D)(7), Tree banking, with the fee established in Resolution 24-05. In accordance with Section 6.2.2(D)(10), the applicant requested, and was granted, an alternative landscape plan by the LDR Administrator (attached in Exhibit "B").

(e) *Subdivision standards*. In cases where a subdivision has been approved or is pending, the development proposed by the minor site plan or site plan and its general layout and design comply with all applicable standards in Article 7, Subdivision Standards.

Evaluation & Findings: No subdivision of land is proposed, therefore, compliance with this standard is not applicable.

(f) *Complies with all other relevant City laws, ordinances, regulations, requirements, and State and Federal laws and regulations*. The proposed development and use complies with all other relevant City laws, ordinances, regulations, and with all State and Federal laws and regulations.

Evaluation & Findings: The application is consistent with all other relevant City ordinances and regulations.

Residential Protection Standards

Section 6.6.3 of the City's Land Development Regulations (LDRs) establishes additional conditions that may be imposed for development located within 500 feet of any residential district or adjacent to any existing single-family or two-family development.

Evaluation & Findings: Existing single-family or two-family residential uses are located within 500 feet to the north, south, east, and west of the subject property. The proposed use and site design subject to the companion special exception permit are not anticipated to result in any adverse impacts to the existing residential development. No additional conditions related to Section 6.6.3 are proposed.

PUBLIC FACILITIES IMPACT ANALYSIS

Section 2.4.14 of the City's Land Development Regulations (LDRs) establishes the standards for a Certificate of Concurrency Compliance which applies to all development orders unless exempted by Section 2.4.14(C). The application has been reviewed for impacts to roads, sanitary sewer, solid waste, stormwater management, potable water, and recreation facilities to ensure the application's potential impacts do not negatively impact the level of service (LOS) for those public facilities.

Traffic Impact

The following impacts are expected on the roadway segments identified in Table 3-1.

Table 3-1. Affected Comprehensive Plan Roadway Segments[1]

Segment Number[2]	Segment Description	Lanes	Functional Classification	Area Type	LOS
14	CR 2054, From SR 235 to the West City Limit	2	Major Collector	Comm	D
17	CR 235A, From US Hwy 441 to CR 235	2	Major Collector	Comm	D

1 City of Alachua Comprehensive Plan, Transportation Element.
2 For developments generating less than 1,000 trips, affected roadway segments are identified as all those wholly or partially located within 1/2 mile of the development's ingress/egress, or to the nearest intersecting major street, whichever is greater [Section 2.4.14(H)(2)(a)of the LDRs].

Table 3-2. Projected Impact on Affected Comprehensive Plan Roadway Segment 14

Traffic System Category	Segment 14 CR 2054, From SR 235 to the West City Limit	
	AADT	Peak Hour
Maximum Service Volume[1]	15,120	1,359
Existing Traffic[2]	2,498	237
Reserved Trips[3]	661	0
Available Capacity[3]	11,961	1,122
Increase/Decrease in Trips Generated by Development[4]	1	0
Residual Capacity	11,960	1,122
Residual Percentage of Permitted Design Capacity Utilized	20.89%	17.46%

1 AADT & Peak Hour MSVs calculated using LOSPLAN 2012. County Facilities reflect a 10 percent reduction in the MSV calculated within LOSPLAN 2012 as set forth in the Generalized Tables for AADT / Peak Hour Volumes, FDOT 2018 Q/LOS Handbook.
2 Florida Department of Transportation. (2024). *2023 Count Data*. Accessed via Florida Traffic Online April 2024.
3 Source: City of Alachua May 2024 Development Monitoring Report.
4 Trip Generation Formula: Projected Trip Generation: Unmanned facility, 1 trip monthly; Trip Distribution: Segment 14 – 100%.

Table 3-3. Projected Impact on Affected Comprehensive Plan Roadway Segment 17

Traffic System Category	Segment 17 CR 235A, From US Hwy 441 to CR 235	
	AADT	Peak Hour
Maximum Service Volume[1]	15,120	1,359
Existing Traffic[2]	5,302	504
Reserved Trips[3]	3,820	392
Available Capacity[3]	5,998	463
Increase/Decrease in Trips Generated by Development[4]	1	0
Residual Capacity	5,217	463
Residual Percentage of Permitted Design Capacity Utilized	60.34%	65.91%

1 AADT & Peak Hour MSVs calculated using LOSPLAN 2012. County Facilities reflect a 10 percent reduction in the MSV calculated within LOSPLAN 2012 as set forth in the Generalized Tables for AADT / Peak Hour Volumes, FDOT 2018 Q/LOS Handbook.
2 Florida Department of Transportation. (2024). *2023 Count Data*. Accessed via Florida Traffic Online April 2024.
3 Source: City of Alachua May 2024 Development Monitoring Report.
4 Trip Generation Formula: Projected Trip Generation: Unmanned facility, 1 trip monthly; Trip Distribution: Segment 17 – 100%.

Evaluation & Findings: The proposed site plan is not anticipated to adversely impact the level of service of the affected roadway segments.

Potable Water Impacts

Table 4. Potable Water Impacts

System Category	Gallons Per Day
Current Permitted Capacity[1]	2,300,000
Less Actual Potable Water Flows[1]	1,548,250
Reserved Capacity[2]	401,945
Available Capacity	349,805
Increase/Decrease in Potable Water Demand from Application[3]	0
Residual Capacity	349,805
Residual Percentage of Permitted Design Capacity Utilized	84.79%

1 City of Alachua Public Services Department, April 2024
2 City of Alachua May 2024 Development Monitoring Report
3 Formula: Per City of Alachua Comprehensive Plan, Community Facilities Element Policy 4.1.c(2): 275 GPD / Unit

Evaluation & Findings: The proposed site plan is not anticipated to adversely impact the level of service of the City's potable water facilities.

Sanitary Sewer Impacts

Table 5. Sanitary Sewer Impacts

System Category	Gallons Per Day
Treatment Plant Permitted Capacity[1]	1,500,000
Less Actual Treatment Plant Flows[1]	764,000
Reserved Capacity[2]	376,009
Available Capacity	359,991
Increase/Decrease in Sanitary Sewer Demand from Application[3]	0
Residual Capacity	359,991
Residual Percentage of Permitted Design Capacity Utilized	76.00%

1 City of Alachua Public Services Department, April 2024
2 City of Alachua May 2024 Development Monitoring Report
3 Formula: Per City of Alachua Comprehensive Plan, Community Facilities Element Policy 1.1.d(b): 250 GPD / Unit

Evaluation & Findings: The proposed site plan is not anticipated to adversely impact the level of service of the City's wastewater facilities.

Solid Waste Impacts

Table 6. Solid Waste Impacts

System Category	Pounds Per Day	Tons Per Year
Existing Demand[1]	44,060.00	8,040.95
Reserved Capacity[2]	47,884.21	8,738.87
Increase/Decrease in Demand Generated by Application[3]	0	0
New River Solid Waste Facility Anticipated Capacity[4]	50+ Years	

1 Bureau of Economic & Business Research, University of Florida, Estimates of Population by County and City in Florida (2023); Policy 2.1.a, Community Facilities Element. Formula: 11,015 Persons x 0.73 tons per year.
2 City of Alachua May 2024 Development Monitoring Report
3 Formula: Per City of Alachua Comprehensive Plan, Community Facilities Element Policy 2.1.a: 0.73 tons / year per capita
4 New River Solid Waste Association, April 2024

Evaluation & Findings: The proposed site plan is not anticipated to adversely impact the level of service of solid waste facilities.

Recreation Facilities

The proposed development is a nonresidential development. Therefore, there are no impacts to recreation facilities. The development will have no impact to the level of service of recreation facilities.

Public School Facilities

The proposed development is a nonresidential development. Therefore, there are no impacts to public school facilities. The development will have no impact to the level of service of public school facilities.

EXHIBIT "A"
TO
PSP23-0011 | PLEASANT SOLAR
SITE PLAN APPLICATION
STAFF REPORT

CONDITIONS

1. The applicant acknowledges and agrees that the applicant and owner will obtain all other applicable local, state, and federal permits before the commencement of site plan work.
2. The applicant acknowledges and agrees that Condition 1 as stated above does not inordinately burden the land and shall be binding upon the property owners, including any subsequent property owners, successors, or assigns, and that the site plan shall comply with Conditions 1-2 as stated herein.

EXHIBIT "B"
TO
PSP23-0011 | PLEASANT SOLAR
SITE PLAN APPLICATION
STAFF REPORT

SUPPORTING APPLICATION MATERIALS SUBMITTED BY CITY STAFF TO THE PLANNING AND ZONING BOARD

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

May 15, 2024

Submitted electronically to travish@chw-inc.com

Travis Hastay, P.E.
Causseaux, Hewett, & Walpole, LLC
11801 Research Drive
Alachua FL, 32615

Application #: PSP23-0011; PSE23-0001

RE: Notice of Hearing to be Scheduled for Pleasant Solar Site Plan and Special Exception Permit Applications

Dear Mr. Hastay,

On May 2, 2024, the City of Alachua received your revised site plan and special exception permit applications for the Pleasant Solar project submitted on behalf of Waco Properties, Inc., and Alspaugh & Brown Trustee & Henderson Brothers Inc. & Weidner. Based on review of the materials submitted, the City has determined that this application can now be scheduled for a hearing before the Planning & Zoning Board.

The application has been scheduled for the **June 11, 2024** Planning & Zoning Board meeting.

You must provide two *double sided, three-hole punched, color sets* of each **complete** application package (two site plan and two special exception permit sets), seven full size sets of site plans, and a digital copy of all materials in PDF format on a CD or by emailing a Cloud/FTP link to download the materials to planning@cityofalachua.org *no later than 10 business days prior to the Planning & Zoning Board meeting at which you application is scheduled to be heard*; therefore, the above referenced materials must be submitted to the City no later than ***Thursday, May 23, 2024***. Materials may be submitted earlier than this date.

Additionally, Section 2.2.9(D) of the Land Development Regulations requires the applicant to place posted notice signs on the subject property at least 14 days prior to the public hearing; therefore, posted notice signs must be placed on the property no later than ***Tuesday, May 28, 2024***. You will be notified when the signs are available for pick up.

If you plan to utilize a PowerPoint presentation or would like other materials to be available for reference during the public hearing, please submit the presentation or materials no later than 12:00 PM on the last business day prior to the Planning & Zoning Board meeting; therefore, the presentation or materials must be submitted no later than 12:00 PM on ***Monday, June 10, 2024***. Any presentation or materials may be submitted electronically by emailing them to planning@cityofalachua.org.

If you have any questions regarding the information above, please contact me at (386) 418-6137 or via email at ccrockett@cityofalachua.org.

Sincerely,



Carson J. Crockett, AICP Candidate
Planner

CC: Mike DaRoza, City Manager *(by electronic mail)*
Rodolfo Valladares, Assistant City Manager *(by electronic mail)*
Kathy Winburn, Planning & Community Development Director *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Project File

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

April 4, 2024

Submitted electronically to travish@chw-inc.com

Travis Hastay, P.E.
CHW, Inc.
11801 Research Drive
Alachua Fl, 32615

Application #: PSP23-0011; PSE23-0001

RE: Project Assistance Team (PAT) Comments for Pleasant Solar Site Plan and Special Exception Permit Applications

Dear Mr. Hastay,

On March 11, 2024, the City of Alachua received your revised site plan and special exception permit applications for the Pleasant Solar project, which proposes the construction of a ± 74.9 MWac solar facility containing approximately ± 248,921 square feet of impervious surface area with associated site improvements on a ± 321.49-acre subject property (tax parcel: 03894-000-000; 03898-000-000). This letter address both the site plan and special exception permit applications.

The application has been reviewed by the City's Planning Assistance Team (PAT). Upon review of the application materials, the following insufficiencies must be addressed. A meeting is scheduled for **10:00 AM on Thursday, April 11, 2024** to review these comments.

Please address all insufficiencies in writing and provide an indication as to how they have been addressed by **5:00 PM on Thursday, May 2, 2024**. A total of four copies of the application package, plans, and a digital copy of all materials in PDF format on a CD or sent by emailing a Cloud/FTP link must be provided by this date. Upon receipt of your revised application, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the Planning & Zoning Board. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time. If all comments are addressed by the resubmission date above, the application may be scheduled for the **June, 2024 Planning & Zoning Board (PZB) Meeting**.

Pursuant to Resolution 20-13, application fees include two (2) PAT reviews, and the reviews associated with each resubmittal to confirm that comments were addressed. **Please note, if an additional PAT review is required, a surcharge of 25% of the site plan application fee and special exception permit application fee will be assessed for the additional PAT review (site plan application fee - $2,700; 25% surcharge - $675; special exception permit application fee - $2,000; 25% surcharge - $500).** You will be notified if an additional PAT review is required, and the surcharge must be paid prior to any further review of the application.

Address the following insufficiencies:

Remaining Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations **

3. **Article 2 – Administration**
   a. Section 2.4.4 – Special exception permit
      iv. Section 2.4.4(D)(4)
         2. The application materials refer to the ability to restore the site to natural conditions at the end of the project lifespan (20-40 years). Provide a preliminary decommissioning plan with more specific information such as contact information for all parties involved, any recycling of PV modules or other components, handling of potentially hazardous waste, conditions under which decommissioning will take place, time period of decommissioning, scope of work, the responsibilities of all parties involved, and contingencies should the owner or operator fail to deliver the decommissioning plan.
            Applicant Response: Pleasant Solar LLC has provided a preliminary Decommissioning Plan, which is included in this resubmittal package. The Decommissioning Plan is also addressed in the revised Special Exception Report.
            Remaining Deficiency: Address contingencies should the owner or operator fail to deliver the decommissioning plan.

5. **Article 6 – Development Standards**
   a. Section 6.2 – Tree protection and landscaping standards
      i. Ensure proposed tree barriers and proposed fencing on sheets LS-15, LS-16, LS-17, LS-19, and LS-21 do not conflict with trees proposed for preservation or planting. Refer to Section 6.2.1(D)(2) and adjust as needed.

         Applicant Response: Conflicts between fencing and protected trees have been resolved and plans have been updated.

         Remaining Deficiency: One tree to be preserved is located within the 25-foot fire access on sheet LS-16. Revise as necessary.

iv. Utility, major is categorized as a public and institutional use. Update the site landscape calculations to reflect the standards under Section 6.2.2(D)(1)(b) and provide required plantings.

Applicant Response: Site landscape calculations have been revised for public/institutional use. See revised Landscape Plans.

Remaining Deficiency: Update code reference on site landscape calculations table to 6.2.2(D)(1)(b).

b. Section 6.3 – Fencing standards

iii. Section 6.3.3, Height

2. In residential districts, any fence installed in a front yard shall be no greater than 50 percent opacity. Update the front yard fence in the residential district to be no greater than 50 percent opacity.

Applicant Response: This major utility/ solar collection facility is allowed by Special Exception in this district. The fence height requirement is regulated by the National Electrical Code (NEC).

Remaining Deficiency: Applicant's response does not address opacity requirement.

v. Section 6.3.5 prohibits chain link fences when visible from the public right-of-way or when located on any land other than land with a residential zoning designation. Black or green vinyl coated chain link are permitted when not visible from an arterial or collector roadway. Refer to section 6.3.5(A) for allowed materials.

Applicant Response: The black vinyl coated chain link fence with privacy slats is located 130 feet from the collector streets, CR 235A and Peggy Road, and is fully screened by a continuous hedge and hundreds of trees.

Remaining Deficiency: The proposed fencing will be visible from CR235A and Peggy Road at the time of installation and will potentially remain visible for multiple years as evidenced by the provided "Landscape Perspective A". Provide fencing consisting of permitted materials.

f. Section 6.9 – Environmental protection standards

i. Show wetland boundaries and provided wetland buffer areas on site plan.

Applicant Response: Buffers have been added to the site plans.

Remaining Deficiency: Buffers shown are 25 feet. The minimum required wetland buffer for a wetland under 0.5-ac in area that does not support federally and/or state regulated vertebrae wetland/aquatic dependent animal species is 35 feet with an average buffer width of 50 feet. Revise provided buffer.

Additional Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations **

1. **Article 6 – Development Standards**
   a. Section 6.2 – Tree protection and landscaping standards
      i. Per Section 6.2.1(D)(6)(a) and Section 6.2.2(D)(4), any existing canopy or understory tree proposed to count towards site landscaping or buffer requirements must be in very good to excellent health and a table displaying a list of all trees claimed for credits under this subsection shall be included in the landscape plan, including common name, botanical name, caliper at DBH, health, number of credits, and reference number to location on a tree survey as part of the landscape plan.
      ii. Sheet LS-2 does not contain the required continuous hedge per the alternative landscape plan. Provide continuous hedge.
      iii. Sheet LS-15 does not contain the required continuous hedge per the alternative landscape plan. Provide continuous hedge.
      iv. Cemetery buffer displays "Mrs. Shiller's Delight Viburnum" (VOS). Per the alternative landscape plan, provide "Sweet Viburnum" (VO).
   b. Section 6.3 – Fencing standards
      i. Fencing plan depicts a gate present on the access road to the cemetery enclave, but it has not been depicted on any other sheet or previous submittals. Clarify if this gate will be present or not.
2. **Outside Review**
   a. Review and address comments from City of Alachua Public Services dated 04/01/2024 (attached).
   b. Review and address comments from Alachua County Fire Rescue dated 03/20/2024 (attached).
3. **Miscellaneous**
   a. Provide updated proof of payment of taxes for year 2023.
   b. Review proposed conditions as part of the special exception permit.

Proposed Conditions as Part of the Special Exception Permit

1. Construction activities associated with any approval or permit issued as part of the site plan and special exception permit shall occur subject to the following:
   a. All staging areas for construction equipment, vehicles, and materials for installation must be internal to the site;
   b. Construction activities may only occur between the hours of 7:00 AM and 7:00 PM, Monday through Friday and between the hours of 9:00 AM and 7:00 PM, Saturday and Sunday;
   c. Dust and debris from construction activities must be minimized as to not spread dust and debris off-site. This may include, but is not limited to, dust control achieved through water trucks, removal of mud/soil from vehicle tires before exiting the site, and street cleaning; and,
   d. Any lighting required for construction activities must be shielded and/or directed as to not spill light to off-site areas or adjacent properties and rights-of-way. Lighting may only be used during the restricted hours of construction activities, except for minimal security lighting, which may be used outside of the restricted hours of construction only such that no disturbances or light spill to off-site areas or adjacent properties and rights-of-way occur.
2. Establishment and approval of required tree banking in lieu of on-site tree mitigation will occur as a resolution separate from the site plan and special exception permit approvals in accordance with Section 6.2.1(D)(7) of the City of Alachua Land Development Regulations. Payment of the fee for off-site tree mitigation established in the aforementioned resolution must be paid prior to the commencement of any construction activities, or the issuance of any permit, associated with any approval or permit issued as part of the site plan and special exception permit.

If you have any questions regarding the information above, please contact me at (386) 418-6137 or via email at ccrockett@cityofalachua.org. We look forward to receiving your revised application.

Sincerely,

Carson J. Crockett, AICP Candidate
Planner

Attachments:
Comments from City of Alachua Public Services 04/01/2024
Comments from Alachua County Fire Rescue 03/20/2024

CC: Kathy Winburn, Planning & Community Development Director *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Project File

City of ALACHUA
the good life community

City of Alachua

MIKE DAROZA
CITY MANAGER

RODOLFO VALLADARES, P.E.
PUBLIC SERVICES DIRECTOR

INTER-OFFICE COMMUNICATION

DATE: **Apr 03, 2024**

TO: **Kathy Winburn, AICP**
Planning & Community Development Director

FROM: **Rodolfo Valladares, P.E.**
Public Services Director
Tom Ridgik, P.E.
Engineering Supervisor

TR 4/1/2024

RE: **Pleasant Solar Site Plan**

Public Services has reviewed the subject project (March 2024 Documents) and offer the following comments. Review was specific to the Public Services Utilities.

NO.	COMMENTS
A	**Meaning of Conditional Approval** Please address the following comments. Rather than submitting a complete hard copy set, the design engineer has the option of (1) to instead forward to Public Services and Planning by email the revised pdf of this sheet. (Public Services contact is Tom Ridgik, th_ridgik@cityofalachua. org) or (2) to provide a link so Public Services and Planning can download the complete PDF set. Public Services would then review this sheet, presumably approve it and so notify the Planning Department.)
1	**Comment on Sept 12 Submittal** **Sheet C0.00** To be consistent with COA planning terminology, please change "CONSTRUCTION DOCUMENTS" to "SITE PLANS". Please **Revise & Resubmit** this sheet.

NO.	COMMENTS
	Comment on March 11 Submittal **Sheet C0.00** The above comment does not appear to have been addressed, and is repeated below: To be consistent with COA planning terminology, please change "CONSTRUCTION DOCUMENTS" to "SITE PLANS". **Conditional Approval.**
2	**Comment on Sept 12 Submittal** **Sheet IR-3** This sheet shows the meter and backflow preventer. What is the water supply? Please show more detail. Please **submit** response & **Revise & Resubmit** sheet(s) as necessary. **Comment on Mar 11 Submittal** **Sheet IR-3** This sheet shows the meter and backflow preventer. What is the water supply? Please show more detail. The Engineer's response is that a well will supply the irrigation system as shown on IR-3. But IR-3 does not appear to show the well (symbol "W" in a box). **Conditional Approval.**
END OF COMMENTS	

Please advise if you have any questions or require additional information.
cc: Justin Tabor – AICP Principal Planner
Adam Hall – AICP Principal Planner

Carson J. Crockett

From: Silver Ware <sware@alachuacounty.us>
Sent: Wednesday, March 20, 2024 12:20 PM
To: Carson J. Crockett
Subject: RE: PAT Request for Review - PSP23-0011; PSE23-0001 Pleasant Solar

Good afternoon

Plan review notes;

1 Provide a detail on the appropriate plan sheet of the Civil Plans on the construction features of the Fire Lane.

Thank you

Chip

Silver Ware
Fire Prevention Officer
Fire Rescue
911 SE 5th ST • Gainesville • FL • 32601
352-384-3121 (office) • 352-494-3140 (mobile) • 352-384-3157 (fax)

PLEASE NOTE: Florida has a very broad public records law (F.S.119).
All e-mails to and from County Officials and County Staff are kept as public records. Your e-mail communications, including your e-mail address, may be disclosed to the public and media at any time.

From: Carson J. Crockett <ca_crockett@cityofalachua.org>
Sent: Monday, March 11, 2024 8:48 AM
To: Mike Daroza <wi_daroza@cityofalachua.org>; Rodolfo Valladares <ro_valladares@cityofalachua.org>; Jeanene Carrillo <ma_carrillo@cityofalachua.org>; Kathy Winburn <ka_winburn@cityofalachua.org>; Justin Tabor <ju_tabor@cityofalachua.org>; Adam Hall <ad_hall@cityofalachua.org>; Marcus Winburn <ma_winburn@cityofalachua.org>; Ashley Spencer <as_spencer@cityofalachua.org>; Thomas Ridgik <th_ridgik@cityofalachua.org>; Eiman Abbas <ei_abbas@cityofalachua.org>; Mark Avery <ma_avery@cityofalachua.org>; Josiah A. Serravalle <jo_serravalle@cityofalachua.org>; Grafton Wilson <gr_wilson@cityofalachua.org>; Anne-Marie DiRocco <an_dirocco@cityofalachua.org>; Corey King <co_king@cityofalachua.org>; John Adler <jadler@alachuacounty.us>; Silver Ware <sware@alachuacounty.us>; 'Marian Rush' <marian@robertarushpa.com>
Subject: RE: PAT Request for Review - PSP23-0011; PSE23-0001 Pleasant Solar

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

PAT members,

The Planning & Community Development Department has received revised applications from CHW, Inc. for a site plan and special exception permit titled Pleasant Solar. (Application: PSP23-0011; PSE23-0001). The applications propose the construction of a ± 74.9 MWac solar facility on a ± 321.49-acre subject property (Tax Parcels 03894-000-000; 03898-000-000).

Project Review Schedule
Application Submitted: September 14, 2023

APPROVED

CITY OF ALACHUA

PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

February 29, 2024

Submitted electronically to danikao@chw-inc.com

Danika Oliverio
Project Manager
CHW, Inc.
11801 Research Dr
Alachua, Fl 32615

Application #: PSP23-0011; PSE23-0001

RE: Pleasant Solar – Alternative Landscape Plan Determination

Dear Ms. Oliverio,

On February 29, 2024 the City of Alachua received your revised request for an alternative landscape plan for the Pleasant Solar Site Plan and Special Exception Permit applications. The Pleasant Solar applications propose the construction of a ± 74.9 MWac solar facility located in the Agricultural (A) and Residential Single Family-4 (RSF-4) zoning districts on a ± 321.49-acre subject property (tax parcel 03894-000-000; 03898-000-000).

Section 6.2.2(D)(10)(a) of the City of Alachua Land Development Regulations (LDRs) states: "an alternative landscape plan may be used where unreasonable or impractical situations would result from application of this section, or to replace a damaged tree pursuant to Subsection 6.2.1 of this section, alternative plans, materials or methods may be justified from natural conditions, such as streams, natural rock formations, topography and physical conditions related to the site. Also, the lot configuration and utility easements may justify an alternative landscape plan."

Section 6.2.2(D)(10)(b) of the LDRs establish allowable deviations, including:

(i) "A reduction in the total number of required trees and/or alteration of the spacing requirements between trees when underground connections to public facilities or public utilities, or public easements or rights-of-way, are located upon or in close proximity to the parcel or whenever a fewer number of trees would be more desirable in terms of good landscape planning practice.

(ii) A reduction in the count, spacing, or species diversity standards which would be more desirable in terms of good landscape planning practice considering the nature of the parcel and adjacent parcels.

(iii) Up to a 33 percent reduction in the total number of required trees provided that the cumulative caliper size of all trees to be planted meets or exceeds the total caliper inches that would have been provided otherwise."

The applicant provided a proposed alternative landscape plan on February 29, 2024, including justification. The applicant contends that "trees directly impact solar production by (1) casting shade along solar panels, (2) presenting possible equipment damage from falling branches/debris, and (3) may present a fire hazard if placed near electrical equipment. Proper landscape planning practices recommend consideration of the anticipated canopy sizes for mature trees", which may be constrained due to the nature of a solar facility.

The alternative plan proposes calculating the required number of plantings based on solely the proposed planting area demonstrated in the attached proposed alternative plan. The proposed plan would result in a reduction from 7,711 total trees required to 1,471 total trees required to be planted. This alternative plan would not affect the mitigation calculations. The proposed alternative plan also calls out proposed plantings and planting arrangements on a typical cross section. A landscape plan is still required to be submitted as part of the Site Plan and Special Exception Permit applications that complies with the alternative landscape plan.

Upon reviewing the request for an alternative landscape plan for the Pleasant Solar Site Plan and Special Exception Permit applications, the LDR Administrator hereby finds that the applications meet the qualifications to apply an alternative landscape plan and approves the alternative landscape plan requirements as submitted on February 29, 2024, and attached to this letter. This approval does not eliminate the requirement to comply with all other applicable provisions of the City's LDRs, including but not limited to Sections 2.4.4, 2.4.9, 4.3.2(I)(3), and 6.3. The alternative landscape plan is not to be construed as an approved fencing plan nor an approved landscape plan and the approval of the alternative landscape plan only applies as to establishing alternative site landscaping and buffering requirements as described in the attached alternative plan.

Include this letter and the alternative landscape plan requirements in all future submissions of the Pleasant Solar Site Plan and Special Exception Permit applications. Reference this letter on the landscape plans associated with these applications.

If you have any questions related to the information above, please contact the Planning & Community Development Department at 386-418-6121.

Sincerely,

Mike DaRoza
City Manager / LDR Administrator

Attachments: Alternative Landscape Plan Requirements (Dated 2/29/2024)

cc: Kathy Winburn, Planning & Community Development Director *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
Carson J. Crockett, AICP Candidate, Planner *(by electronic mail)*
Project File

MEMORANDUM

Pleasant Solar

21-0275

CHW Professional Consultants

To: **Mike DeRoza, City Manager/LDR Administrator**
From: **John-Michael Simpson, PLA**
Date: **2/29/2024**
RE: **Pleasant Solar – Alternative Landscape Plan**

Alternative Landscape Plan Summary

Due to the proposed use, lot configuration, and utility constraints, CHW is submitting a request to use an alternative landscape plan to fulfill site landscape requirements on the project site in accordance with Section 6.2.2(D)(10). Specifically, it is unreasonable and impractical to apply the standards of this section since a solar facility is negatively impacted by the shade created from the required landscape plantings.

The alternative landscape items are detailed below, and attached to this letter is an exhibit highlighting the proposed alternative landscape calculations and supporting planting area exhibits.

Code Reference:

(10) Alternative landscape plan.

(a) Generally. An alternative landscape plan may be used where unreasonable or impractical situations would result from application of this section, or to replace a damaged tree pursuant to Subsection 6.2.1 of this section, alternative plans, materials or methods may be justified from natural conditions, such as streams, natural rock formations, topography and physical conditions related to the site. Also, the lot configuration and utility easements may justify an alternative landscape plan.

(b) Allowable deviations. The LDR Administrator shall approve an alternative landscape plan. Allowable deviations from the standards of this section include, but are not limited to the following:

(i) A reduction in the total number of required trees and/or alteration of the spacing requirements between trees when underground connections to public facilities or public utilities, or public easements or rights-of-way, are located upon or in close proximity to the parcel or whenever a fewer number of trees would be more desirable in terms of good landscape planning practice.

(ii) A reduction in the count, spacing, or species diversity standards which would be more desirable in terms of good landscape planning practice considering the nature of the parcel and adjacent parcels.

Requested Alterations:

Site Landscape Requirements:

This project involves the construction of a utility scale solar power plant in an area zoned for single family residential and agriculture. The project is adjacent to industrial land uses, agricultural property, and some single family residential. The existing property has traditionally been used for agriculture and as a result is largely clear of existing tree canopy. There are 2,162 regulated trees currently on the 320.5 acre site which is 6.75 trees per acre.

The proposed solar site consists of approximately 280.5 acres of solar panels, electric power inverters, battery storage banks, buried electrical cables, and maintenance paths (88% of the site). The solar array is set within a 100’ wide perimeter setback which includes a 25’ fire break/maintenance path, open space, and a 15’ wide landscape buffer. This 100’ perimeter setback creates approximately 40.87 acres of space with 26 acres of that space available for planting.

Per code, there are no landscape requirements for permitting a solar energy utility project. However, a major utility project is classified as a public/institutional land use, which would require 21 trees pre acre to be planted on site in addition to the required buffer plantings. Since the purpose of a solar energy facility is to absorb the maximum amount of available sunlight across the site, shading created by canopy trees which is typically desirable on other land uses instead poses a significant obstacle. Trees directly impact solar production by (1) casting shade along solar panels, (2) presenting possible equipment damage from falling branches/debris, and (3) may present a fire hazard if placed near electrical equipment.

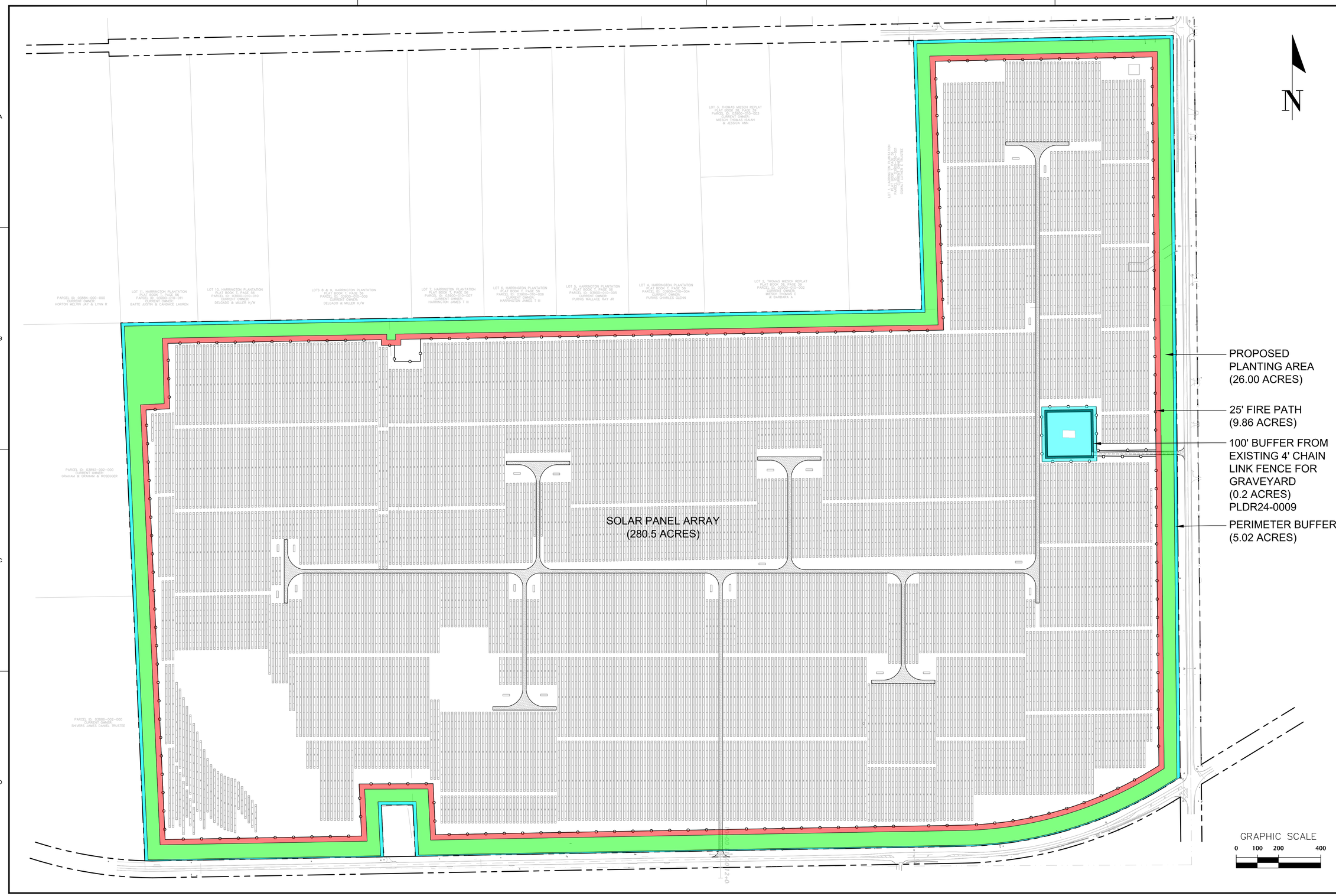
Proper landscape planning practices recommend consideration of the anticipated canopy sizes for mature trees when selecting species and proper spacing of a landscape. This is necessary to avoid over-shading and creating a poor habit for tree growth. Since trees must compete with each other for sunlight, moisture, and nutrients, overcrowding can impact the quality of the future canopy and structure of the trees. When trees are planted in a very dense manner, they will typically focus much of their energy on growing vertically and have limited ability to spread out horizontally. This often results in trees with a very uniform caliper (trunk) size, from top to bottom, which can reduce the structural integrity of the tree and result in significantly smaller canopies. The City's land development regulations require site landscape plantings that take into consideration the appropriate spacing required for trees. Alachua County provides an estimated canopy size of typical trees in area at 20 years. Using the information from the County, along with a diverse tree selection, the code requirements would require approximately 83 acres of space, at 20 years, to provide a typical healthy area for growth. This represents approximately 25% of the existing site area and would present a significant reduction in solar production area.

We propose to calculate the site landscape requirements based on the "plant-able" land that falls outside the main solar energy production area, as well as the 25' fire/maintenance path, as this area cannot be feasibly planted with understory or canopy trees. **The alternative landscape plan requests that we restrict the site calculations to the plant-able perimeter area around the site which is 26 acres in area.**

This will result in a requirement of 338 canopy trees and 208 understory trees for the site landscape. When combined with the buffer plantings the total landscape requirement will be 1,471 trees which is 47.42 trees per acre. These trees would then be placed along the perimeter of the property which will provide a dense visual screen for the proposed solar array. Placing the trees along the perimeter of the site will also allow us to (1) reduce potential shading impact to the solar panels and (2) reduce fire risks by keeping the vegetation further from the high voltage electrical equipment located around the solar panels.

Perimeter Buffer Requirements:
This site has an 18,641 linear foot perimeter. The perimeter area contains many existing trees and is adjacent to some existing overhead utilities. The required landscape buffers that are located along the perimeter are up to 15 feet in width and that area includes 343 existing trees that are at least 8" in diameter at breast height (DBH). The location of these trees along with other existing trees and overhead utilities along portions of the perimeter buffer make planting new trees impractical in some locations. **This alternative plan proposes relocating some of the required buffer landscape to adjacent areas just outside the buffer area but still within the 100' setback area for the solar panels.** Relocating some of the required landscape will help to mitigate impacts to existing utilities and the existing vegetation while still being able to provide screening for the proposed development.

Cemetery Buffer Requirements:
The solar project also surrounds an existing 2,100 sq. ft. small, family cemetery plot. Per LDR Administrator Interpretation PLDR24-0009, this area will require a 100' buffer from the existing 4-foot chain link fence of the cemetery to the perimeter fence surrounding the solar array. The cemetery land use as parks/open space requires a 10' wide Type D landscape buffer. Seeing as this cemetery is central to the main solar array, the required canopy trees in the landscape buffer would pose significant impacts to the surrounding solar panels and electrical equipment. **The alternative landscape plan proposes to utilize shrubs to fulfill the landscape buffer requirements for this area.** A dense continuous hedge can provide an opaque visual screen to reduce the impact of the surrounding solar panels from the cemetery site.



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CHW Professional Consultants

SCALE: 1"=200'

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
02/29/2024 - LANDSCAPE AREA EXHIBIT

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO

DESIGNER: L. ROSARIO

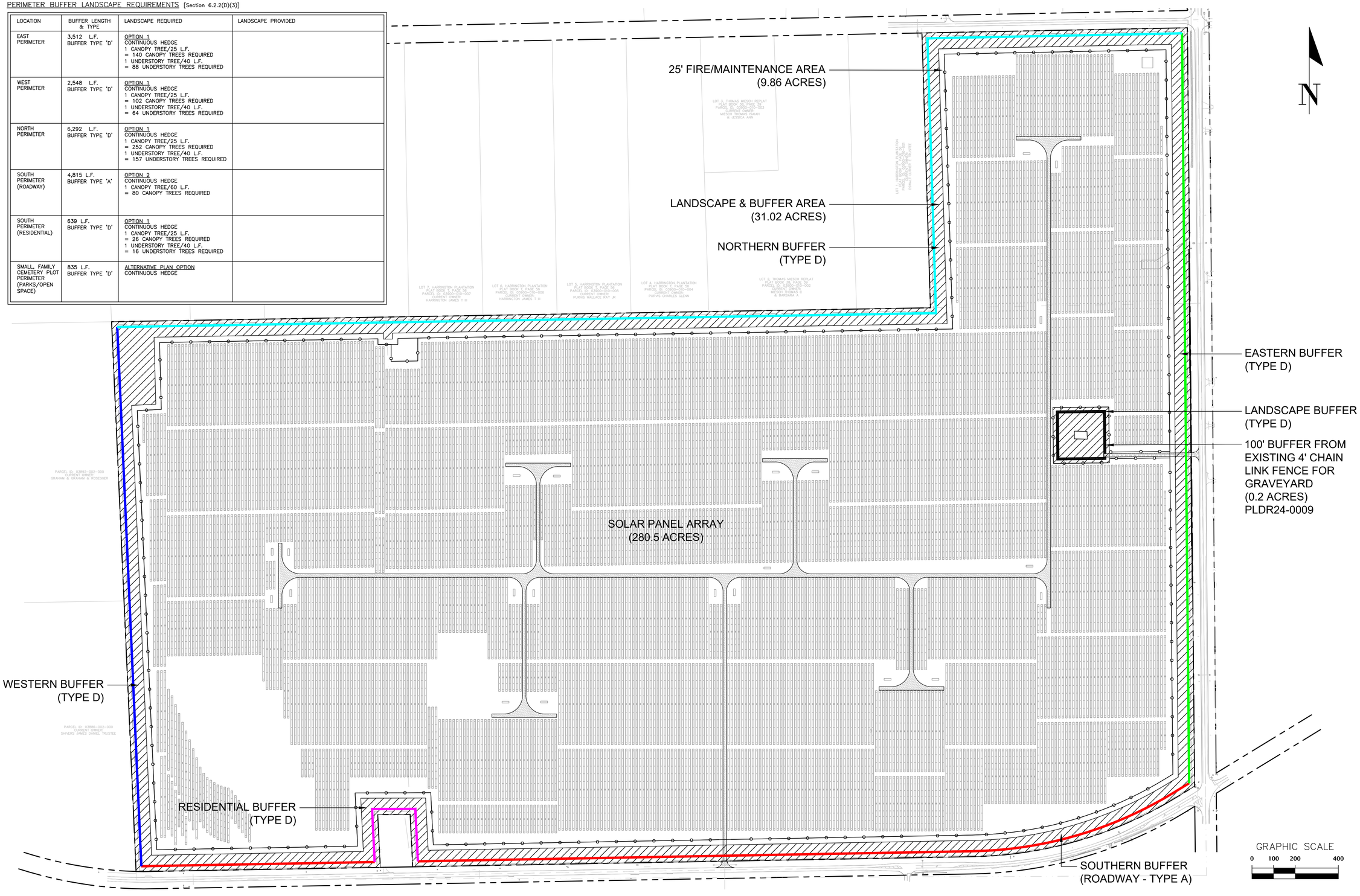
QUALITY CONTROL: C. TOLAR

PROJECT NUMBER: 21-0275

SHEET NO.:

PERIMETER BUFFER LANDSCAPE REQUIREMENTS [Section 6.2.2(D)(3)]

LOCATION	BUFFER LENGTH & TYPE	LANDSCAPE REQUIRED	LANDSCAPE PROVIDED
EAST PERIMETER	3,512 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 140 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 88 UNDERSTORY TREES REQUIRED	
WEST PERIMETER	2,548 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 102 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 64 UNDERSTORY TREES REQUIRED	
NORTH PERIMETER	6,292 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 252 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 157 UNDERSTORY TREES REQUIRED	
SOUTH PERIMETER (ROADWAY)	4,815 L.F. BUFFER TYPE 'A'	OPTION 2 CONTINUOUS HEDGE 1 CANOPY TREE/60 L.F. = 80 CANOPY TREES REQUIRED	
SOUTH PERIMETER (RESIDENTIAL)	639 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 26 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 16 UNDERSTORY TREES REQUIRED	
SMALL, FAMILY CEMETERY PLOT PERIMETER (PARKS/OPEN SPACE)	835 L.F. BUFFER TYPE 'D'	ALTERNATIVE PLAN OPTION CONTINUOUS HEDGE	



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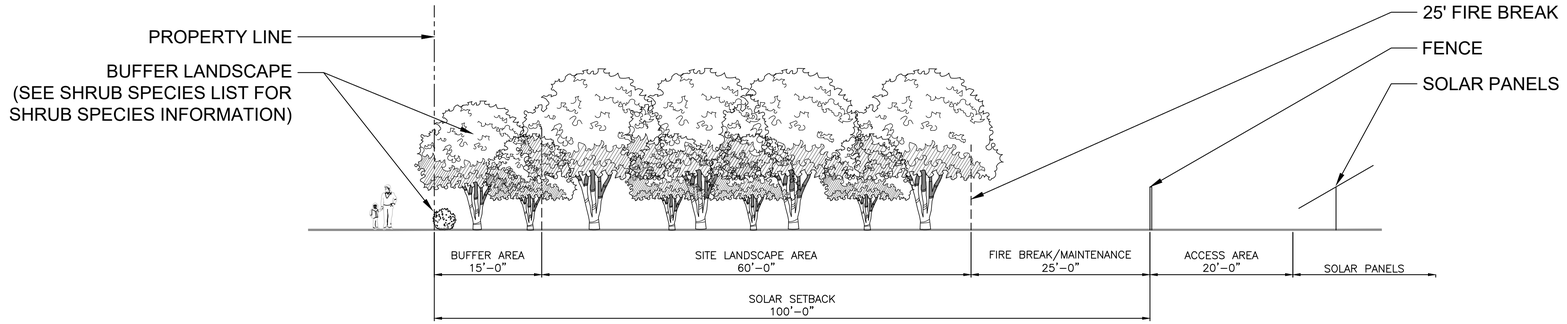
CONSTRUCTION/BID REVISIONS:

SUBMITTALS: 02/29/2024 - LANDSCAPE BUFFER EXHIBIT

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: C. TOLAR
PROJECT NUMBER: 21-0275

SHEET NO.:



PERIMETER SETBACK AND BUFFER SECTION
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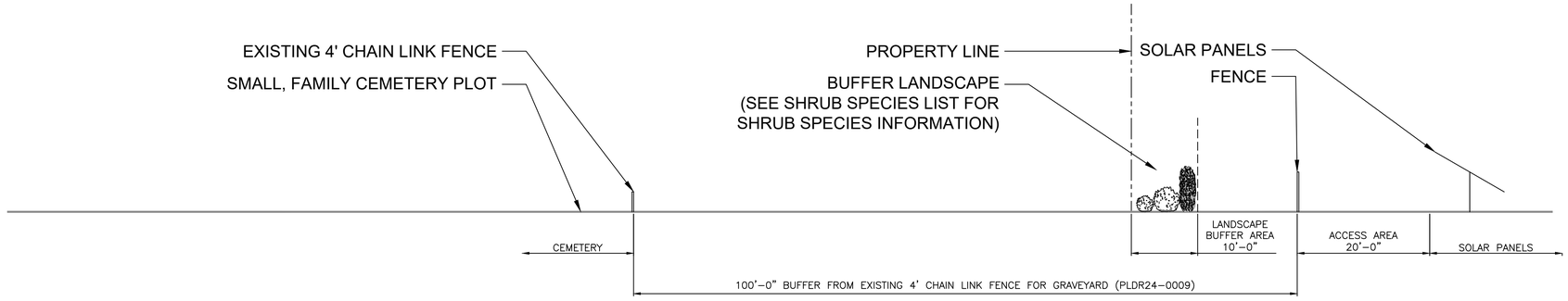

CEMETERY SETBACK AND BUFFER SECTION
SCALE: N.T.S.

SHRUB SPECIES LIST
PERIMETER BUFFER: SWEET VIBURNUM DWARF BURFORD HOLLY BOXWOOD MRS. SCHILLER'S DELIGHT VIBURNUM
CEMETERY BUFFER: PODOCARPUS SWEET VIBURNUM DWARF BURFORD HOLLY

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
02/29/2024 - LANDSCAPE BUFFER EXHIBIT

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE SECTION

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: C. TOLAR
PROJECT NUMBER: 21-0275

SHEET NO.:

LANDSCAPE REQUIREMENTS (PER ALTERNATIVE LANDSCAPE PLAN)

LANDSCAPED AREA REQUIREMENT
PER CITY OF ALACHUA COMPREHENSIVE PLAN FUTURE LAND USE ELEMENT, POLICY 2.4.A

TOTAL SITE AREA.....320.50 ACRES

ADJUSTED SITE AREA.....26.00 ACRES

SITE LANDSCAPE CALCULATIONS [Sec. 6.2.2(D)(1)(c)]*

DESCRIPTION	TREE REQUIREMENTS	TREES PROVIDED
PRIMARY SIDE CANOPY TREES (EAST SIDE)	4 TREES PER ACRE X 26.00 ACRES = 104 CANOPY TREES REQUIRED	
REAR SIDE CANOPY TREES (WEST SIDE)	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	
SOUTH SIDE CANOPY TREES	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	
NORTH SIDE CANOPY TREES	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	
SITE UNDERSTORY TREES	8 UNDERSTORY TREES PER ACRE X 26.00 ACRES = 208 TREES REQUIRED 50% IN FRONT (EAST SIDE) = 104 TREES REQUIRED 25% ON NORTH SIDE = 52 TREES REQUIRED 25% ON SOUTH SIDE = 52 TREES REQUIRED	

PERIMETER BUFFER LANDSCAPE REQUIREMENTS [Section 6.2.2(D)(3)]

LOCATION	BUFFER LENGTH & TYPE	LANDSCAPE REQUIRED	LANDSCAPE PROVIDED
EAST PERIMETER	3,512 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 140 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 88 UNDERSTORY TREES REQUIRED	
WEST PERIMETER	2,548 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 102 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 64 UNDERSTORY TREES REQUIRED	
NORTH PERIMETER	6,292 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 252 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 157 UNDERSTORY TREES REQUIRED	
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SMALL, FAMILY CEMETERY PLOT PERIMETER (PARKS/OPEN SPACE)	835 L.F. BUFFER TYPE 'D'	ALTERNATIVE PLAN OPTION CONTINUOUS HEDGE	

CANOPY AND UNDERTORY TREE REQUIREMENT SUMMARY

LANDSCAPE REQUIREMENTS	TREE TYPE BREAKDOWN
SITE REQUIREMENTS	338 CANOPY TREES 208 UNDERSTORY TREES
BUFFER REQUIREMENTS	600 CANOPY TREES 325 UNDERSTORY TREES
TOTAL REQUIREMENTS	938 CANOPY TREES 533 UNDERSTORY TREES 1,471 TOTAL TREES

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
02/29/2024 - LANDSCAPE REQUIREMENTS EXHIBIT

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE REQUIREMENTS COMPARISONS

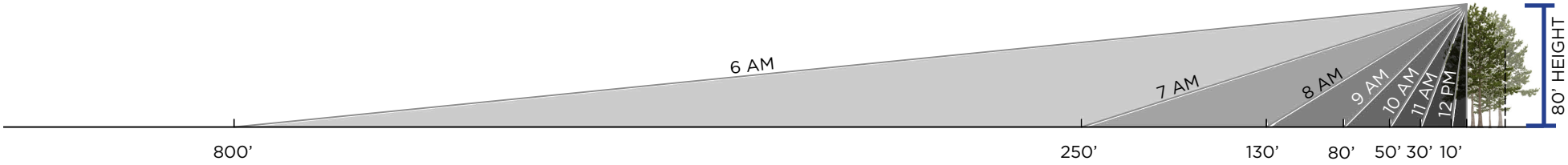
TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: C. TOLAR
PROJECT NUMBER: 21-0275

SHEET NO.:

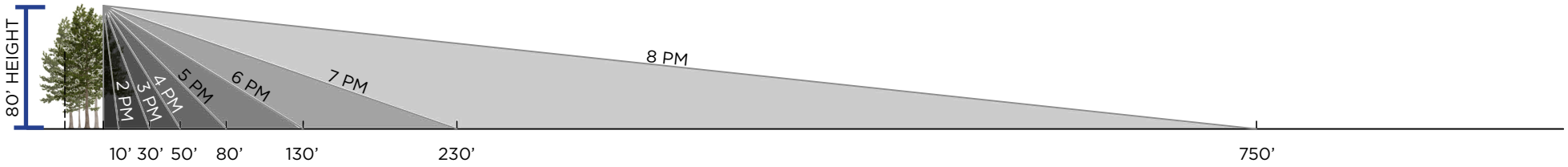
Tech: john-michaels Plot Date: Feb 28,2024 7:54pm Filename: W:\2021\21-0275\Department\01_Design\02_Civil\01_Permitting\21-0275 Design Base_ANSI.dwg

SHADOW ANALYSIS (SECTION VIEW)

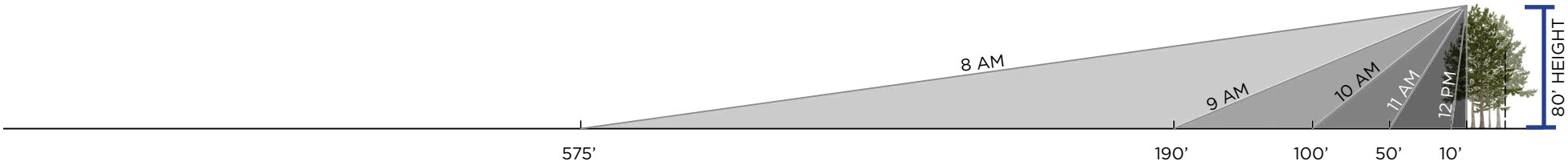
JUNE 20 (MORNING)



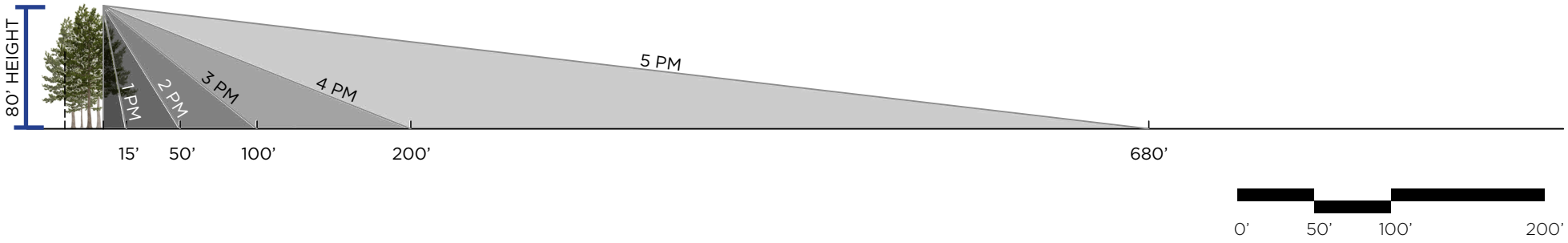
JUNE 20 (AFTERNOON)



DECEMBER 20 (MORNING)

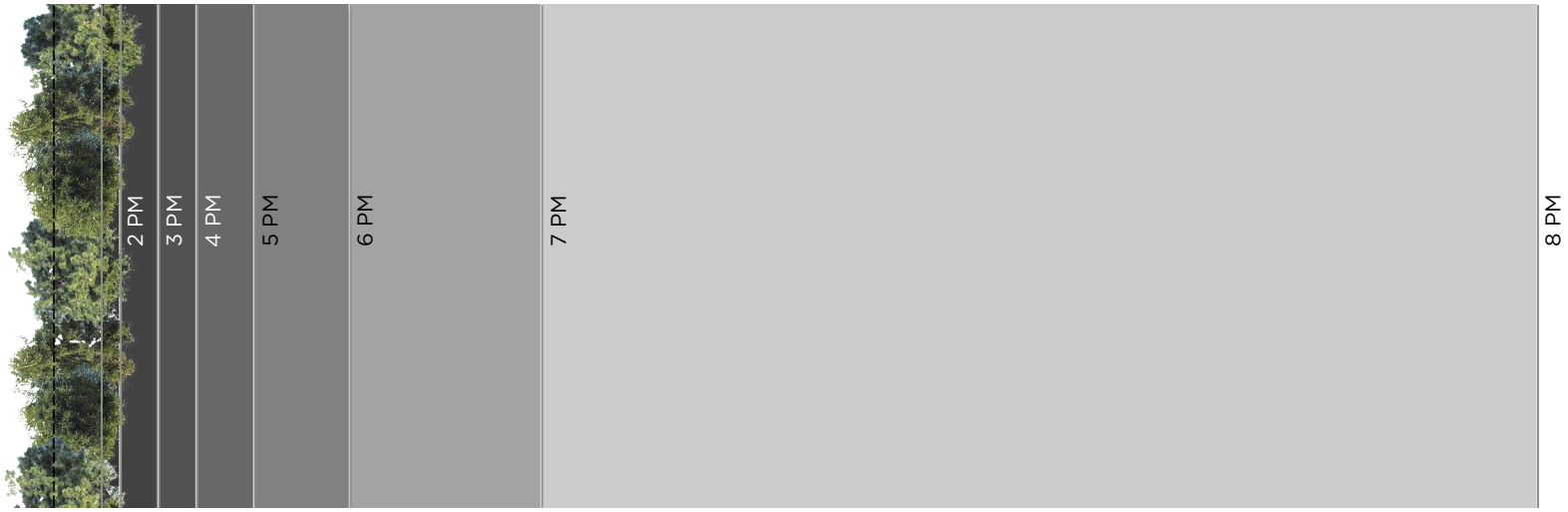


DECEMBER 20 (AFTERNOON)



SHADOW ANALYSIS (PLAN VIEW)

JUNE 20 (AFTERNOON) (80’ CANOPY HEIGHT)



DECEMBER 20 (AFTERNOON) (80’ CANOPY HEIGHT)



City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

February 22, 2024

Submitted electronically to gerryd@chw-inc.com

Gerry Dedenbach, AICP, LEED AP
Vice President Infrastructure Florida
CHW, Inc.
11801 Research Dr
Alachua, Fl 32615

Application #: PLDR24-0009

RE: LDR Administrator Interpretation: Land Development Regulations Text – Application of Section 4.3.2(I)(3)(b) of the LDRs for Pleasant Solar Site Plan & Special Exception Permit Applications.

Dear Mr. Dedenbach,

On February 15, 2024 the City of Alachua received your application for an Interpretation by the Land Development Regulation (LDR) Administrator pursuant to Section 2.4.19 of the City's LDRs. This application requests an interpretation of the text of the LDRs by the LDR Administrator. Specifically, it requests an interpretation of the application of Section 4.3.2(I)(3)(b) of the LDRs with respect to the Pleasant Solar Site Plan and Special Exception Permit applications.

The Pleasant Solar applications propose the construction of a ± 74.9 MWac solar facility located in the Agricultural (A) and Residential Single Family-4 (RSF-4) zoning districts on a ± 321.49-acre subject property (tax parcel 03894-000-000; 03898-000-000).

Article 10 of the LDRs identifies major utilities as "infrastructure services providing regional or communitywide service that normally entail the construction of new buildings or structures such as water towers, waste treatment plants, potable water treatment plants, solid waste facilities, electrical substations, and park-and-ride facilities". The proposed solar facility would provide regional or communitywide services and entails the construction of new structures (the panels).

Article 4 establishes use specific standards for certain uses, with Section 4.3.2(I)(3) establishing use specific standards for major utilities, including "an electrical power facility, substation, or transmission station". Section 4.3.2(I)(3) states:

(3) *Utility, major.* An electrical power facility, substation, or transmission station shall comply with the following standards:

(a) *Location.* Be within reasonable proximity of the area to be served by the facility.
(b) *Setback.* Be set back a minimum of 100 feet from property lines and buffered to ensure it does not have an adverse impact on surrounding uses.
(c) *Compatibility.* Provide adequate setbacks, screening and buffering around the perimeter of the proposed use if it is deemed necessary to ensure land use compatibility with surrounding uses.

The applicant contends that Section 4.3.2(I)(3)(b) does not apply to interior property lines/enclaves under different ownership. "The graveyard is an area internal to the overall project site and not 'surrounding lands' as referenced". Instead, the applicant proposes a 25-foot setback from the interior property lines surrounding tax parcel 03894-002-000, which contains a small, family cemetery plot. The applicant demonstrated that with the proposed 25-foot setback, the buffer distance from the setback to the edge of the cemetery is a minimum of 100-feet. The applicant contends that the 100-foot separation, but only a 25-foot setback, will sufficiently meet the spirit and intent of Section 4.3.2(I)(3)(b). The applicant is "requesting [the] imposition of a site-specific condition to ensure the appropriateness of the use at [this] particular location".

Upon reviewing the LDR interpretation request and the associated conceptual materials, the LDR Administrator hereby finds that **the requirements of Section 4.3.2(I)(3)(b) are met by providing a minimum 100' buffer from the existing "4' CHAIN LINK FENCE FOR GRAVEYRAD" as shown on the attached 'Exhibit A'**, originally provided as part of the application. This approval does not eliminate the requirement to comply with all other applicable provisions of the City's LDRs, including but not limited to Sections 2.4.4, 2.4.9, 4.3.2(I)(3), and 6.2. *Include this letter in all future submissions of the Pleasant Solar Site Plan and Special Exception Applications. Reference this letter when calling out the required setbacks of the buffer area on site plans and other related documents associated with the applications.*

If you have any questions related to this interpretation, please contact the Planning & Community Development Department at 386-418-6121.

Sincerely,

Mike DaRoza
City Manager / LDR Administrator

Attachments: Exhibit A

cc: Kathy Winburn, Planning & Community Development Director *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
Carson J. Crockett, AICP Candidate, Planner *(by electronic mail)*
Project File

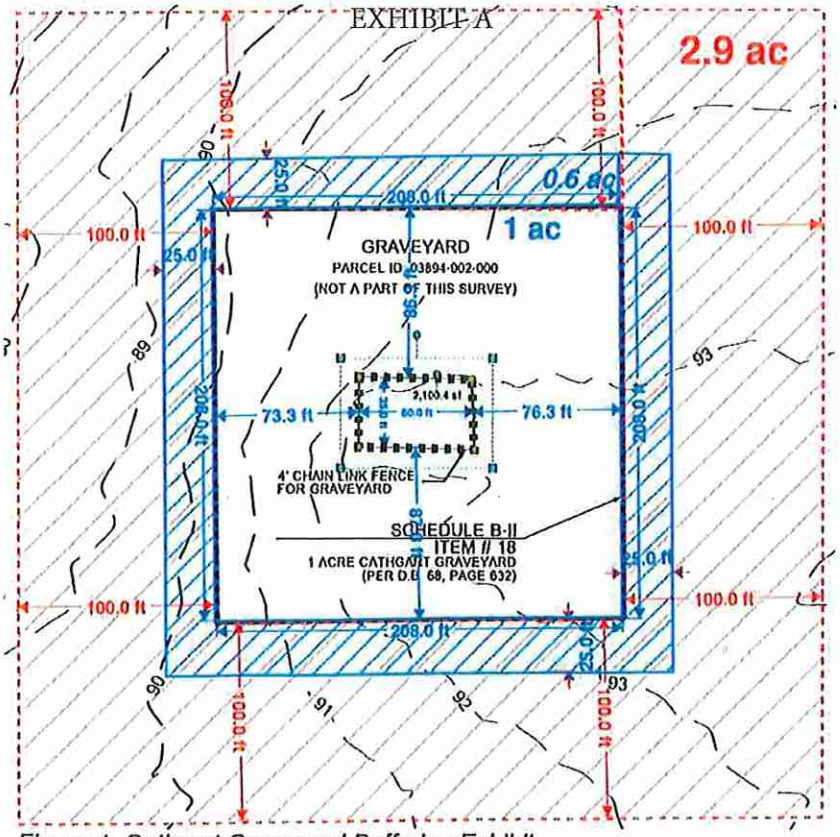


Figure 1: Cathcart Graveyard Buffering Exhibit

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

October 19, 2023

Submitted electronically to travish@chw-inc.com

Travis Hastay, P.E.
Senior Project Manager
Causseaux, Hewett, & Walpole, Inc.
11801 Research Dr
Alachua, Fl 32615

RE: Project Assistance Team (PAT) Comments for Pleasant Solar Site Plan and Special Exception Permit applications

Dear Mr. Hastay:

On September 25, 2023 the City of Alachua received your revised site plan application for the Pleasant Solar project, which proposes the construction of a ±74.9 MWac solar facility containing approximately ±248,921 square feet of impervious area with associated site improvements on a ±321.49 acre subject property (Tax Parcels 03894-000-000 and 03898-000-000). This letter addresses both the Pleasant Solar Site Plan and Special Exception Permit applications.

The applications have been reviewed by the City's Planning Assistance Team (PAT). Upon review of the applications and materials, the following insufficiencies must be addressed. A meeting is scheduled for 4:00 PM on Tuesday, October 24, 2023 to review these comments.

Please address all insufficiencies in writing and provide an indication as to how they have been addressed by 5:00 PM on Monday, November 13, 2023. A total of four (4) copies of the application package, plans, and a digital copy of all materials in PDF format on a CD or sent by emailing a Cloud / FTP link must be provided by this date. Upon receipt of your revised applications, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the PZB. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time.

Address the following insufficiencies:

Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations **

1. Comprehensive Plan Consistency Analysis
   a. Community Facilities Element
      i. The site is located in a karst sensitive area. Analyze the project in relation to the applicable policies under Objective 3.5.
   b. Conservation and Open Space Element
      i. Evaluate the project in relation to Policy 1.2.j, which requires all new development to maintain internal and external connectivity of all open and natural space to the maximum extent practicable.
      ii. Policy 1.8.a applies the Alachua County Hazardous Materials Management Code. Provide an analysis of the project in relation to the Alachua County Hazardous Materials Management Code at all points of the project's life span (construction, use, and decommissioning).
2. Concurrency Impact Analysis
   a. The irrigation plan does not depict a water source. Revise concurrency impact analysis if necessary once a water source is provided.
3. Article 2 - Administration
   a. Section 2.4.4 - Special exception permit
      i. Section 2.4.4 (D)(1) requires the proposed special exception comply with all specific use standards. Refer to the applicable specific use standards in Section 4.3.2 (I)(3). Comply with all standards.
      ii. Section 2.4.4 (D)(3), *Design minimizes adverse impacts*
         1. Provide Staff a landscape viewshed looking from the peak of CR-235A towards the site to help determine the extent of any adverse impacts.
         2. The special exception justification report does not address adverse impacts as part of the construction process. Address the construction process, including proposed access to the site, proposed staging areas, proposed hours of construction, anticipated timeline, and anticipated noise, lighting, and odors.
      iii. Provide landscaping as part of the buffer area surrounding the cemetery enclave to limit adverse impacts. See comment 5.a.vi.
      iv. Section 2.4.4 (D)(4), *Design minimizes environmental impacts*
         1. Wildlife corridors were discussed during pre-application meetings with Staff; however, none are proposed. Neighborhood meeting documents claim these corridors to be infeasible. Neighborhood meeting documents also infer that a six-inch gap would be left under any fencing for accessibility of small wildlife. Provide a narrative addressing this comment and providing clarification.
         2. The application materials refer to the ability to restore the site to natural conditions at the end of the project lifespan (20-40 years). Provide a preliminary decommissioning plan with more specific information such as contact information for all parties involved, any recycling of PV modules or other components, handling of potentially hazardous waste, conditions under which decommissioning will take place, time period of decommissioning, scope of work, the responsibilities of all parties involved, and contingencies should the owner or operator fail to deliver the decommissioning plan.

4. Article 4 – Use Specific Standards
   a. Section 4.3.2 (I)(3)(b) requires a 100-foot setback from property lines. These setbacks apply to all property lines, including the cemetery enclave. Provide 100-foot setback and buffer around the cemetery.
5. Article 6 – Development Standards
   a. Section 6.2 – Tree protection and landscaping standards
      i. Ensure proposed tree barriers and proposed fencing on sheets LS-15, LS-16, LS-17, LS-19, and LS-21 do not conflict with trees proposed for preservation or planting. Refer to Section 6.2.1 (D)(2) and adjust as needed.
      ii. Section 6.2.1 (D)(7), *Tree banking*, establishes the formula for off-site mitigation fees. After referencing recently adopted off-site mitigation fees, Staff advises that the applicant's estimate is significantly below the typical fee per tree. Note, final determination is by the City Commission through resolution.
      iii. Include required note from Section 6.2.1 (G)(1)(c).
      iv. *Utility, major* is categorized as a public and institutional use. Update the site landscape calculations to reflect the standards under Section 6.2.2 (D)(1)(b) and provide required plantings.
      v. Site landscape calculations should be completed using the total site area. Refer to Section 6.2.2 (D)(10), *Alternative landscape plan*, and submit the appropriate request or complete calculations using the total site area.
      vi. Section 6.2.2 (D)(3), *Perimeter Buffers*
         1. The site is not a typical, four-sided site. Update perimeter buffer landscape requirements table to reflect all required buffers by stretch of site perimeter
         2. Provide required 15-foot, Type-D buffer around the southern outcrop surrounding adjacent single-family development (Table 6.2-2).
         3. Provide required 10-foot, Type-D buffer around the cemetery enclave (Table 6.2-2).
      vii. Include required note on irrigation plan from Section 6.2.2 (D)(7)(b)(vi).
      viii. Irrigation plan does not encompass all proposed plantings. Refer to Section 6.2.2 (D)(7)(b)(vi), *Efficient irrigation*.
      ix. Landscape plan cites the Alachua County Land Development Code in the irrigation notes. Remove any nonapplicable notes and replace with applicable City of Alachua Land Development Regulation notes.
      x. Note, Alachua County Environmental Protection Department (EPD) requires the review and approval of all new commercial automatic irrigation systems. It is recommended that the applicant contact Alachua County EPD to coordinate this review and approval. Additional information is available at: https://alachuacounty.us/Depts/epd/WaterResources/WaterConservation/Pages/Irrigation-Efficiency-Design-and-Maintenance-Code.aspx
   b. Section 6.3 – Fencing standards
      i. Section 6.3.1 (A)(2) requires the submission of a fencing plan with an application for a site plan. Staff is requesting a standalone fencing plan separate from the landscape plan, depicting greater detail due to the special exception and the nature and scale of the proposed fencing. Provide fencing plan.

ii. Section 6.3.1 (A)(3), *Exemption for security plan*, is only applicable to fence heights in the business districts. The site is located within residential and agricultural districts.
    1. Provide the full and exact language of cited Rule 110A, Enclosure of equipment, of the NESC. See Building Official's comments.
iii. Section 6.3.3, *Height*
    1. Requested deviation noted. At this time, the proposed fence is still considered to not comply with the height requirement for front yards in residential districts of four feet.
    2. In residential districts, any fence installed in a front yard shall be no greater than 50 percent opacity. Update the front yard fence in the residential district to be no greater than 50 percent opaque.
iv. Section 6.3.4 limits the maximum length of unbroken perimeter wall plane to 200 feet. Breaks may be achieved by two-foot depth changes, measured perpendicular to the street, and at least two feet in length. Provide breaks.
v. Section 6.3.5 prohibits chain link fences when visible from the public right-of-way or when located on any land other than land with a residential zoning designation. Black or green vinyl coated chain link are permitted when not visible from an arterial or collector roadway. Refer to Section 6.3.5 (A) for allowed materials.
vi. Provide typical fence detail, in color.
vii. Show proposed gates on fencing plan. Provide gate details, in color.
viii. Show any proposed signage that may be secured or attached to fencing on fencing plan.
ix. Adjust fencing shown on sheets C1.26 and LS-9 to ensure proper access is maintained to the cemetery site. See comment 7.b.
x. Neighborhood meeting documents show concerns about the aesthetic of fencing provided and a response from the applicant citing that the fencing choices were still being evaluated. Readdress this comment to the Planning and Community Development Department. Provide a narrative explaining the final choice of fencing materials and design. Include reasoning for not updating the design to address aesthetics or provide an updated aesthetic/design to resolve the comments and increase compatibility with surrounding lands.
xi. Applicant noted themselves as amenable to exploring wildlife friendly fencing in pre-application meetings with Staff and in neighborhood meetings. Provide wildlife friendly fencing or provide narrative explaining the infeasibility of wildlife friendly fencing.

c. Section 6.4 – Exterior lighting standards
    i. Correspondence dated September 25, 2023, notes no proposed lighting. The provided special exception justification report notes minimal safety lighting at the on-site inverters. Clarify the nature of the minimal safety lighting and provide details of the proposed lighting fixtures.
    ii. Note, Staff may deem a photometric plan necessary dependent on the applicant's response to the previous comment (comment 5.d.i).
d. Section 6.5 – Signage
    i. The provided special exception justification report notes one business identification sign at the main ingress/egress. Clarify the nature of this sign and show on plans if necessary. Show any additional proposed signage on site plan.

e. Section 6.6 – Infill standards
   i. Section 6.6.3 (A) establishes residential protection standards for any nonresidential development located within 500 feet of any residential district or adjacent to an existing residential single-family or two-family development. Provide an analysis of the residential protection standards from Section 6.6.3 as applicable to the project and possible adverse impacts of the project on neighboring residents.
f. Section 6.9 – Environmental protection standards
   i. Show wetland boundaries and provided wetland buffer areas on site plan.

6. Outside Review
   a. Review and address comments from outside reviewer dated October 18, 2023 (attached).
   b. Review and address comments from City of Alachua Public Services dated October 12, 2023 (attached).
   c. Review and address comments from City of Alachua Building Official dated October 4, 2023 (attached).
   d. Consult directly with Alachua County Fire Rescue regarding an emergency action plan and additional fire protection requirements. Provide a copy of correspondence.
7. Miscellaneous
   a. Provide a copy of the title commitment dated dated March 1, 2022 referenced on sheet C0.00 to City of Alachua Compliance and Risk Management.
   b. Review Florida Statute 704.08, Cemeteries; right of ingress and egress for visiting or maintenance. Ensure access to required parties is maintained at reasonable times and in a reasonable manner.
   c. Pre-application meetings with Staff involved the discussion of an already completed glinting and/or glare analysis. Provide glinting and/or glare analysis.
   d. Provide typical inverter and transformer skid detail.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1606 or via e-mail at ca_crockett@cityofalachua.org. We look forward to receiving your revised application.

Sincerely,

Carson J. Crockett
Planner

Attachments: Comments from outside reviewer - 10/18/2023 (eda consultants, inc.)
Comments from City of Alachua Public Services – 10/12/2023 (Inter-Office Communication)
Comments from City of Alachua Building Official – 10/04/2023

cc: Mike DaRoza, City Manager *(by electronic mail)*
Marian B. Rush, City Attorney *(by electronic mail)*
Kathy Winburn, AICP, Planning & Community Development Director *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
Project File

October 18, 2023

Adam Hall, AICP Principal Planner
Office of Planning and Community Development
ahall@cityofalachua.com | 386-418-6100 ext. 1603
City of Alachua, Florida.

Ref: Pleasant Solar, LLC

Dear Mr. Hall:

The following are our comments for the submittal of Pleasant Solar, LLC.

1. **General comments:**
    a. Plans shall be signed and sealed, and the name of the engineering company should be included in the plans.
    b. Provide storm routing analysis for the proposed swales.

2. **Sheet C0.00:**
    1. Plans need to be signed and sealed.

3. **Several plans:**
    1. Callouts for the Silt Fence are needed.

4. **Sheet C2.00:**
    1. The Pre-Development drainage areas are shown, but not the Post Development drainage areas. Will the roadways change drainage areas? Please clarify.
    2. Is there any proposed grading for the roads? If so, it needs to be shown.

5. **Sheet C2.11:**
    1. Silt Fencing or some kind of Sediment Control must be installed around the swales per Notes Section 5(B) on sheet C0.20.
    2. Show the post development drainage area(s) connected to the proposed swale.

6. **Sheet C2.12:**
    1. Why does one of the hammerhead ends of the proposed access road have swales and the rest do not?

7. **Sheet C2.13:**

1. Silt Fencing or some kind of Sediment Control must be installed around the swales per Notes Section 5(B) on sheet C0.20.
2. Show the post development drainage area(s) connected to the proposed swale.

Please do not hesitate to contact me if you have any questions/comments.

Sincerely,

Digitally signed by Claudia Vega, P.E.
DN: cn=Claudia Vega, P.E., o, ou, email=cvega@edafl.com, c=US
Date: 2023.10.19 09:05:47 -04'00'

Claudia S. Vega, P.E.
Director of Engineering
cvega@edafl.com

City of
ALACHUA
the good life community

City of Alachua

MIKE DAROZA
CITY MANAGER

RODOLFO VALLADARES, P.E.
PUBLIC SERVICES DIRECTOR

INTER-OFFICE COMMUNICATION

DATE: Oct 12, 2023

TO: **Kathy Winburn, AICP**
Planning & Community Development Director

FROM: **Rodolfo Valladares, P.E.**
Public Services Director
Tom Ridgik, P.E.
Engineering Supervisor

TR 10/2/2023

RE: **Pleasant Solar Site Plan**

Public Services has reviewed the subject project (Sept 2023 Documents) and offer the following comments. Review was specific to the Public Services Utilities.

NO.	COMMENTS
1	**Comment on Sept 12 Submittal** **Sheet C0.00** To be consistent with COA planning terminology, please change "CONSTRUCTION DOCUMENTS" to "SITE PLANS". Please **Revise & Resubmit** this sheet.
2	**Comment on Sept 12 Submittal** **Sheet IR-3** This sheet shows the meter and backflow preventer. What is the water supply? Please show more detail. Please **submit** response & **Revise & Resubmit** sheet(s) as necessary.

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

Permit Number: N/A

Review Date: 10/04/2023

Applicant/Contractor: Pleasant Solar

Project Address: 03894-000-000 and 03898-000-000.

☐ **APPROVED WITH CONDITIONS**
☐ **REVISE AND RESUBMIT**
☐ **DENIED, FOR REASONS STATED BELOW**

The City of Alachua Building Department has reviewed the referenced Permit Application for compliance with applicable standards and regulations, including but not limited to standards and regulations within the City's Comprehensive Plan, Land Development Regulations (LDRs), Code of Ordinances, and Florida Building code. The following comments and/or conditions are provided:

COMMENTS / CONDITIONS:

1) **Cover sheet lists permitting through Alachua county and Duke energy. This project is within the city limits of Alachua and permit will be though City of Alachua Building department. Please verify the electric utility is Duke as I understood it was Clay electric.**

2) **On the special exception report sheet #8 you speak of Rule 110 of the NESC. Being this project is not under the exclusive control of an electric utility or on property owned or leased by the utility I don't see how NESC code is governing this project. Please clarify as the National Electric Code (NEC) and Florida Building Code (FBC) should be the only codes being used for this project. (2017 NEC) Article 90.2.**

Thank you.

Reviewed by: Date: 10/04/2023

Tim Hunt
Building Official, Flood plain manager

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

September 25, 2023

Sent by electronic mail to travish@chw-inc.com

Travis Hastay, P.E.
Causseaux, Hewett, & Walpole, Inc.
11801 Research Drive
Alachua, FL 32615

RE: Second Completeness Review: Pleasant Solar Site Plan Application

Dear Mr. Hastay:

On September 25, 2023, the City of Alachua received your revised application for a Site Plan submitted on behalf of Pleasant Solar LLC for the Pleasant Solar project. The application proposes the construction of a total ±75 MWac solar facility with ±248,921 sqft of associated site improvements on a ±321.49 ac subject property, consisting of Alachua County Tax Parcels 03894-000-000 and 03898-000-000.

According to Section 2.2.6 of the Land Development Regulations (LDRs), upon receipt of an application, a completeness review shall be conducted to determine that the application contains all the necessary information and materials, is in proper form and of sufficient detail, and is accompanied by the appropriate fee. The Planning Department has reviewed the aforementioned application for completeness and finds that the application is complete.

These findings are based solely on a preliminary review of your application for completeness. An in-depth review of the content of the application will be performed, and the findings of the in-depth review will be provided to you under separate cover.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1606 or via e-mail at ca_crockett@cityofalachua.org.

Sincerely,

Carson J. Crockett
Planner

cc: Kathy Winburn, AICP, Planning & Community Development Director *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
File

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

September 20, 2023

Sent by electronic mail to travish@chw-inc.com

Travis Hastay, P.E.
Causseaux, Hewett, & Walpole, Inc.
11801 Research Drive
Alachua, FL 32615

RE: Completeness Review: Pleasant Solar Site Plan Application

Dear Mr. Hastay:

On September 14, 2023, the City of Alachua received your application for a Site Plan submitted on behalf of Pleasant Solar LLC for the Pleasant Solar project. The application proposes the construction of a total ±75 MWac solar facility with ±248,921 sqft of associated site improvements on a ±321.49 ac subject property, consisting of Alachua County Tax Parcels 03894-000-000 and 03898-000-000.

According to Section 2.2.6 of the Land Development Regulations (LDRs), upon receipt of an application, a completeness review shall be conducted to determine that the application contains all the necessary information and materials, is in proper form and of sufficient detail, and is accompanied by the appropriate fee. The Planning Department has reviewed the aforementioned application for completeness and finds that the application is incomplete. The following information is needed to begin the review of the application.

The comments below are based solely on a preliminary review of your application for completeness. An in-depth review of the content of the application will be performed, and the findings of the in-depth review will be provided to you under separate cover.

Please address the following:

1. Site Plan Attachment #1.aa., Photometric Plan. Submit a photometric plan demonstrating compliance with the applicable provisions of Section 6.4 of the LDRs or a statement noting no proposed lighting on the site.

2. Site Plan Attachment #3, Fire Department Access and Water Supply Plan. Submit fire protection plans prepared by a professional engineer licensed in the State of Florida, including fire flow calculations, to be reviewed by Alachua County Fire Rescue and the City of Alachua Public Services Department.

3. **Site Plan Attachment #13, Environmental Resource Permit (ERP) or Self-Certification.** Submit documentation which confirms that an ERP application has been submitted to the Suwannee River Water Management District (SRWMD) or Self-Certification under the 10/2 rule has been submitted to the Florida Department of Environmental Protection (FDEP).

4. **Site Plan Attachment #14, Access Management Permit.** Submit documentation which confirms that an Access Management Permit has been submitted to Alachua County Public Works.

In accordance with Section 2.2.6 (B) of the LDRs, the applicant must correct the deficiencies and resubmit the application for completeness determination. *Plans and application materials may be made available for return in order to revise and resubmit as needed.*

The time frame and cycle for review shall be based upon the date the application is determined to be complete. If the applicant fails to respond to the identified deficiencies within forty-five (45) calendar days (Monday, November 6, 2023), the application shall be considered withdrawn.

Please note that if an additional completeness review is required, a resubmittal fee equal to 10% of the application fee will be assessed for each additional completeness review and must be paid prior to further review of the application.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1606 or via e-mail at ca_crockett@cityofalachua.org.

Sincerely,

Carson J. Crockett
Planner

cc: Kathy Winburn, AICP, Planning & Community Development Director *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
File

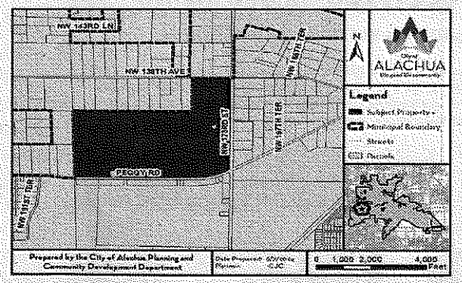
REALTY

City of ALACHUA

NOTICE OF PUBLIC HEARING BEFORE THE PLANNING AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

Notice is hereby given that the Planning and Zoning Board of the City of Alachua will hold a public hearing on June 11, 2024 at 6:00 p.m. The hearing will be held in the James A. Lewis Commission Chambers in City Hall, located 15100 NW 142nd Terrace, Alachua, Florida, to consider the following:

A request by Tavis Hastay, P.E. of Causseaux, Hewett, & Walpole, LLC, applicant, on behalf of Waco Properties, Inc.; Gary D. Brown Revocable Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; and Henderson Brothers, Inc., property owners, for consideration of a special exception permit to allow a major utility (solar facility) within the Agricultural (A) and Residential Single Family District-4 (RSF-4) zone districts on a ± 321.49-acre subject property located at 17920 Peggy Road (tax parcel: 03894-000-000; 03898-000-000). FLUM: Agriculture; Moderate Density Residential. ZONING: Agricultural (A); Residential Single Family District-4 (RSF-4).



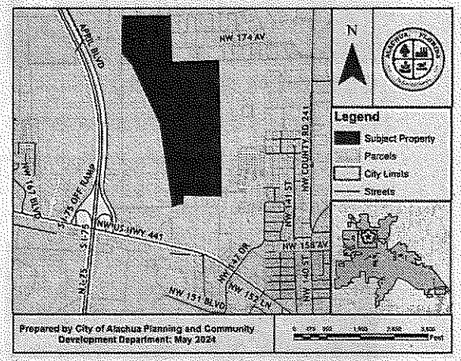
At the public hearing, all interested parties may appear and be heard with respect to the application. Copies of the application are available for public inspection at the Planning and Community Development Department, 15100 NW 142nd Terrace, Alachua, Florida, on any regular business day between the hours of 7:30 a.m. to 6:00 p.m. Written comments on the application may be sent to the following address: City of Alachua, Planning and Community Development, P.O. Box 9, Alachua, FL, 32616. Notice is given pursuant to Section 286.0105, Florida Statutes, that, in order to appeal and decision made at the public hearing, you will need a record of the proceedings, and that, for such purpose, you may need to ensure that a verbatim record of the proceedings is made, which includes the testimony and evidence upon which the appeal is to be based. In accordance with the Americans with Disabilities Act, any persons with a disability requiring reasonable accommodation in order to participate in this meeting should call the City Clerk at (386) 418-6100 x 1501 at least 48 hours prior to the public hearing.

(Published: Alachua County Today - May 30, 2024)

City of ALACHUA

NOTICE OF PUBLIC HEARING BEFORE THE PLANNING AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

Notice is hereby given that the Planning & Zoning Board of the City of Alachua will hold a public hearing on June 11, 2024, at 6:00 p.m. The hearing will be held in the James A. Lewis Commission Chambers in City Hall, located at 15100 NW 142nd Terrace, Alachua, Florida, to consider the following: A request by Logan B. Peters, P.E., of JBrown Professional Group, Inc., applicant and agent for Tara Forest, LLC, property owner, for consideration of the Preliminary Plat for the Tara Forest West subdivision, which proposes the subdivision of a ±198.39 acre property into a total of 523 single family lots, with associated common areas and right-of-way. The subject property is generally located north of US 441 and west of NW 147th Drive; Portions of Tax Parcel Numbers 03008-000-000 and 03067-001-000; Future Land Use Map (FLUM) Designations: Moderate Density Residential, and Recreation; Zoning: Residential Single Family -4 (RSF-4), and Agricultural (A).



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(Published: Alachua County Today - May 30, 2024)

Transportation, Inc. at (352) 375-2784, no later than 72 hours prior to the proceedings. If hearing impaired, call the Florida Relay System at (800) 955-8770.

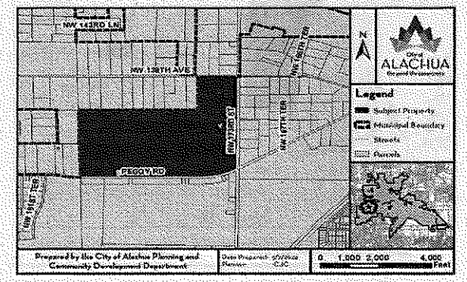
(Published: Alachua County Today - May 30, 2024)

City of ALACHUA

NOTICE OF PUBLIC HEARING BEFORE THE PLANNING AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

Notice is hereby given that the Planning and Zoning Board of the City of Alachua will hold a public hearing on June 11, 2024 at 6:00 p.m. The hearing will be held in the James A. Lewis Commission Chambers in City Hall, located 15100 NW 142nd Terrace, Alachua, Florida, to consider the following:

A request by Tavis Hastay, P.E. of Causseaux, Hewett, & Walpole, LLC, applicant, on behalf of Waco Properties, Inc.; Gary D. Brown Revocable Trust Dated 1/23/04; Linda Weidner; Joanne Alspaugh; and Henderson Brothers, Inc.; property owners, for consideration of a site plan to construct a ± 74.9 MWac solar facility with associated site improvements on a ± 321.49-acre subject property located at 17920 Peggy Road (tax parcel: 03894-000-000; 03898-000-000). FLUM: Agriculture; Moderate Density Residential. ZONING: Agricultural (A); Residential Single Family District-4 (RSF-4).



At the public hearing, all interested parties may appear and be heard with respect to the application. Copies of the application are available for public inspection at the Planning and Community Development Department, 15100 NW 142nd Terrace, Alachua, Florida, on any regular business day between the hours of 7:30 a.m. to 6:00 p.m. Written comments on the application may be sent to the following address: City of Alachua, Planning and Community Development, P.O. Box 9, Alachua, FL, 32616. Notice is given pursuant to Section 286.0105, Florida Statutes, that, in order to appeal and decision made at the public hearing, you will need a record of the proceedings, and that, for such purpose, you may need to ensure that a verbatim record of the proceedings is made, which includes the testimony and evidence upon which the appeal is to be based. In accordance with the Americans with Disabilities Act, any persons with a disability requiring reasonable accommodation in order to participate in this meeting should call the City Clerk at (386) 418-6100 x 1501 at least 48 hours prior to the public hearing.

(Published: Alachua County Today - May 30, 2024)

03903-001-005
PITTMON & WRIGHT W/H
PO BOX 661
ALACHUA, FL 32616

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MAY 29 2024

03884-000-000
HORTON & HORTON TRUSTEES
19005 NW 138TH AVE
ALACHUA, FL 32615-8005

03985-043-000
LEMIEUX KYLA
17327 PEGGY RD
ALACHUA, FL 32615

03903-030-006
MOTA MARCELO
13331 NW 173RD ST
ALACHUA, FL 32615

03903-001-003
WEFLEN TIMAEUS CLARK & CHERYL LYNNE
13139 NW 173RD ST
ALACHUA, FL 32615

City of
ALACHUA
the good life community

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

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City of Alachua
"The Good Life Community"
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Alachua, Florida 32616-0009

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City of ALACHUA
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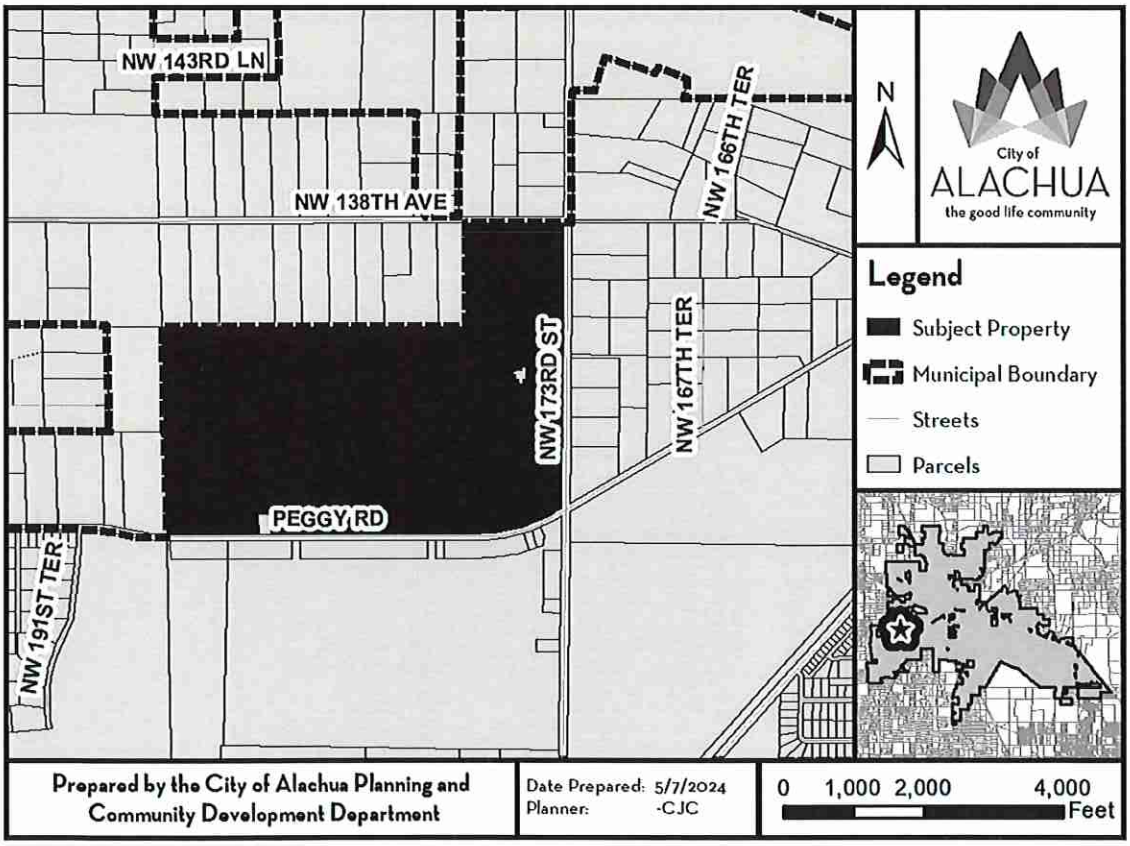

PO Box 9
Alachua, Florida 32616-0009

"The Good Life Community"
www.cityofalachua.com

Phone: (386) 418-6121
Fax: (386) 418-6130

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03864-025-001
VAN DEN BOSCH RICHARD &
NADINE M
17118 NW 138TH AVE
ALACHUA, FL 32615

03896-006-000
HILL MICHAEL ALLEN & YVONNE
17756 NW 138TH AVE
ALACHUA, FL 32615

03897-000-000
CLAY ELECTRIC CO-OP INC
PO BOX 308
KEYSTONE HEIGHTS, FL 32656

03900-010-002
MIESCH THOMAS C & BARBARA
130 ARAPAHO TRAIL
CRESTVIEW, FL 32536

03903-030-002
RIZZO III & RIZZO TRUSTEES
13505 NW 173RD ST
ALACHUA, FL 32615

03985-043-000
ROSS & ROSS & ROSS
17327 PEGGY RD
ALACHUA, FL 32615

03894-002-000
CEMETERY
GENERAL DELIVERY
GAINESVILLE, FL 32601

03903-030-003
PRICE TIMOTHY C
13415 NW 173RD ST
ALACHUA, FL 32615

03903-030-006
DONO DHURATA
13331 NW 173RD ST
ALACHUA, FL 32615

03894-000-000
WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

03896-006-004
BLUE BIRD HILL
FARM LLC
PO BOX 1496
ALACHUA, FL 32616

03898-000-000
ALSPAUGH & BROWN TRUSTEE & HEND
% HIMMELRICH AND COMPANY
898 SW 21ST ST
BOCA RATON, FL 33486

03903-001-006
BROWN JAMES RANDALL & KAREN
13151 NW 173RD ST
ALACHUA, FL 32615

03896-003-001
EMERSON JAMES E & GAIL D
PO BOX 1496
ALACHUA, FL 32616

03896-013-000
SMITH JUSTIN W & KELLY D
803 CEDAR KNOLL DR NORTH
LAKELAND, FL 33809

03900-010-001
OSWALT LUTHER E TRUSTEE
17705 NW 138TH AVE
ALACHUA, FL 32615

03903-030-001
PARRISH CHRISTOPHER
17127 NW 138TH AVE
ALACHUA, FL 32615

03884-000-000
HORTON MELVIN JAY & LYNN R
19005 NW 138TH AVE
ALACHUA, FL 32615

03893-001-000
BLAKE EVELYN
18416 PEGGY RD
ALACHUA, FL 32615

03900-010-006
HARRINGTON JAMES T III
2600 NW 111TH ST
MIAMI, FL 33167

03900-010-010
DELGADO & MILLER H/W
18509 NW 138TH AVE
ALACHUA, FL 32615

03903-001-003
BOGLE TIMOTHY A & JENNIFER
13139 NW 173RD ST
ALACHUA, FL 32615

03886-002-000
SHIVERS JAMES DANIEL TRUSTEE
PO BOX1034
ALACHUA, FL 32615

03900-010-004
PURVIS CHARLES GLENN
14909 NW 107TH TER
ALACHUA, FL 32615

03900-010-011
BATTE JUSTIN & CANDACE
434 NW 134th WAY 2-102
NEWBERRY, FL 32669

03903-001-004
ARIFF ROBYN JILL
13207 NW 173RD ST
ALACHUA, FL 32615

03892-002-000
GRAHAM & GRAHAM & ROSEGGER
518 HUNTERS RUN BLVD
LAKELAND, FL 33809

03905-002-001
BAUGHSE COOPERATIVE INC
SYSCO CORPORATION
ATTN: TAX DEPARTMENT
1390 ENCLAVE
HOUSTON, TX 77077

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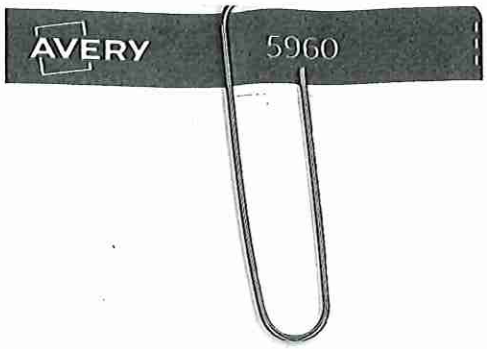

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Michele L. Lieberman
County Manager
12 SE 1st Street
Gainesville, FL 32601

Antoinette Endelicato
5562 NW 93rd Avenue
Gainesville, FL 32653

Linda Dixon, AICP
Assistant Director Planning
PO Box 115050
Gainesville, FL 32611

Tamara Robbins
PO Box 2317
Alachua, FL 32616

Lynda Coon
7216 NW 126 Avenue
Alachua, FL 32615

Joseph & Phyllis Strickland
14103 NW 156th Place
Alachua, FL 32615

Jean Calderwood
14095 NW 174th Ave
Alachua, FL 32615

Lynn Horton
19005 NW 138th Avenue
Alachua, FL 32615

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PURVIS WALLACE RAY JR
1441 PALI HWY
HONOLULU, HI 96813

03903-001-000
NATION JAMES L & DOROTHY C
PO BOX 352
ALACHUA, FL 32615

03983-002-000
DOLGENCORP LLC
DOLLAR GENERAL # 96800 #1635
100 MISSION RIDGE
GOODLETTSVILLE, TN 37072

03905-002-001
BAUGHSE COOPERATIVE INC
SYSCO CORPORATION
ATTN: TAX DEPARTMENT
1390 ENCLAVE
HOUSTON, TX 77077

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AFFIDAVIT FOR POSTED LAND USE SIGN

I, Brett Bartek, POSTED THE LAND USE SIGN(S)
(Print Name)

ON 5/22/24 FOR THE Pleasant Solar Site Plan Application
(Date) (Project name & type of action)

LAND USE ACTION AS PER ARTICLE 2.2.9(D) OF THE LAND DEVELOPMENT

REGULATIONS. THIS WILL BE INCLUDED IN THE STAFF REPORT.

(Signature)

11 (Eleven)
(Number of signs)

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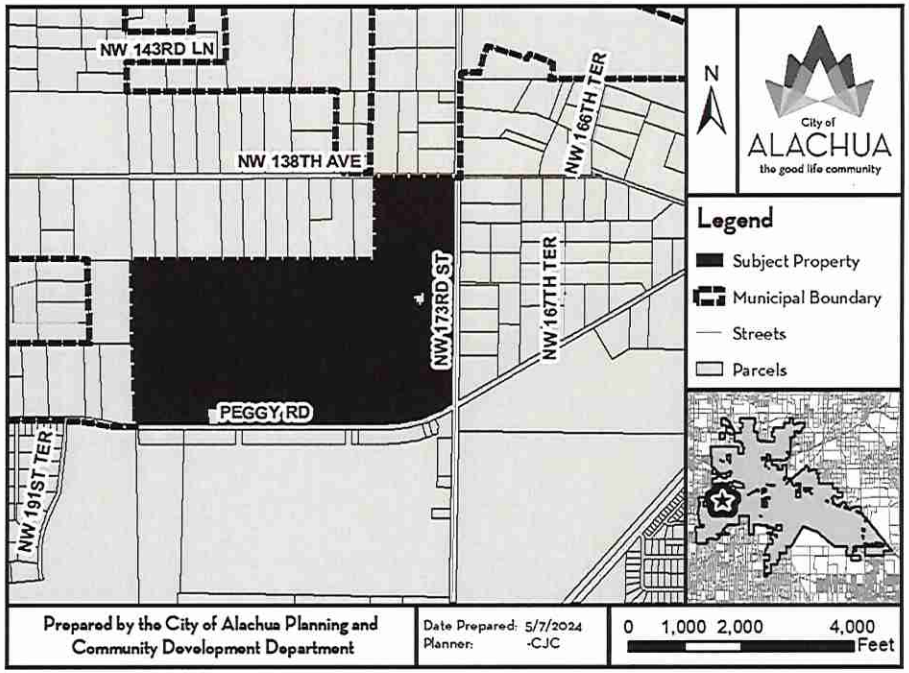

June 11, 2024 @ 6:00 PM

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BY

City of ALACHUA

THE GOOD LIFE COMMUNITY

FOR OFFICE USE ONLY
Case #: _____
Application Fee: $_____
Filing Date: _____
Completeness Date: _____
Review Type: P&Z or PZB & CCOM

Site Plan Application

Reference City of Alachua Land Development Regulations (LDRs), Section 2.4.9

A. PROJECT

1. Project Name: Pleasant Solar LLC
2. Pre-Application Conference Date: July 14, 2023
3. Neighborhood Meeting Date: _____
4. Address of Subject Property: TBD - intersection of NW 138th Ave and NW 173rd St
5. Parcel ID Number(s): 03894-000-000 and 03898-000-000
6. Existing Use of Property: Agriculture/Pasture
7. Future Land Use Map Designation: Agriculture, Moderate Density Residential
8. Zoning Designation: A, RSF-4
9. Acreage: ±320
10. Total Existing Building Square Footage, if applicable: _____
11. Total Existing Impervious Area (not including existing building area), if applicable: _____
12. Total Building Square Footage Proposed: _____
13. Total New Impervious Area Proposed (not including building area): _____

B. APPLICANT

1. Applicant's Status ☐ Owner (title holder) ■ Agent
2. Name of Applicant(s) or Contact Person(s): Travis Hastay, PE Title: Senior Project Manager
   Company (if applicable): CHW
   Mailing address: 11801 Research Dr
   City: Alachua State: FL ZIP: 32615
   Telephone: (352) 331-1976 FAX: _____ e-mail: travish@chw-inc.com
3. If the applicant is agent for the property owner*:
   Name of Owner (title holder): see property owner affidavits
   Mailing Address: _____
   City: _____ State: _____ ZIP: _____

   ** Must provide an executed Authorized Agent Affidavit or other acceptable documentation (as deemed acceptable by the City in its sole discretion) authorizing the agent to act on behalf of the property owner.*

C. ADDITIONAL INFORMATION

1. Is there any additional contact for sale of, or options to purchase, the subject property? ☐ Yes ■ No
   If yes, list names of all parties involved: _____
2. Has the applicant discussed possible utility/infrastructure fees with the Public Services Department?
   If no, contact the Public Services Department at 386-418-6140. ☐ Yes ■ No

D. ATTACHMENTS

1. Site Plan. Sheet size shall be 24" X 36" with a 3" left margin and ½" top, bottom, and right margin.

Site Plan shall include:

a. Name and location of project.
b. Name and contact information (address, telephone, and email address) of property owner, developer (if applicable), and all professional consultants (i.e., landscape architect, photometric, electrical engineer, architect, etc.) for the project.
c. Zoning of the subject property.
d. Vicinity map - indicating general location of the site and major adjacent streets and all adjacent properties.
e. Boundary and topographic survey. Survey shall be signed and sealed by the surveyor, and shall be no older than two (2) years.
f. Complete legal description of the subject property.
g. Statement of proposed uses.
h. Location of the subject property in relation to adjacent properties.
i. Date, north arrow, and graphic scale (not to exceed one (1) inch equal to 50 feet.)
j. Area and dimensions of the subject property.
k. Structures and major features – fully dimensioned – including setbacks from property lines and right-of-ways, distances between structures (if structures are within 25 feet of one another), floor area of each building, floor area ratio, and property lines.
l. Location of all property lines, existing and proposed adjacent right-of-ways, sidewalks, curbs, and gutters.
m. Distance between ingress and egress connections for the project and the ingress / egress connections for all contiguous properties and for properties on the opposite side of the road, measured from the interior radius of all ingress/egress connections.
n. Location of all existing and proposed utilities (electric, potable water, sanitary sewer, gas, etc.) on the subject property, and on adjacent properties if located within 50 feet of the subject property, and within adjacent rights-of-way.
o. Location of all existing and proposed fire hydrants.
p. Location of all existing easements on the property and on adjacent properties if located within 50 feet of the subject property, and recording information for such easements.
q. Location of all proposed easements (legal descriptions and sketches of all proposed easements shall be provided by the applicant following a review of proposed utility locations by Public Services).
r. Location and dimensions of all existing and proposed vehicular parking spaces, dimensions of all drive aisles, and the angle of parking spaces.
s. Location of all bicycle parking areas and specifications of bicycle racks.
t. Location, dimensions, and vertical clearance of all off-street loading spaces, if required by Section 6.1 of the LDRs.
u. Location and dimensions of all vehicle stacking spaces, if required by Section 6.1 of the LDRs.
v. Vehicular parking calculations, indicating the minimum and maximum number of required spaces and the number of parking spaces provided (regular and accessible spaces) in accordance with Section 6.1 of the LDRs.
w. Bicycle parking calculations, if required by Section 6.1 of the LDRs.
x. Striping and signage for all traffic control devices.
y. Landscape Plan, indicating the location, size, and design of required and proposed landscaped areas. Landscape Plans shall identify the following with sufficient detail and calculations to demonstrate compliance with Section 6.2.2 of the LDRs:
    i. Location, identification of the species, and size of all existing trees.
    ii. Required perimeter buffer areas.
    iii. Parking lot perimeter landscaping.
    iv. Parking lot interior landscaping.
    v. Building façade landscaping.
    vi. Calculation of landscaped areas (see Policy 2.4.a of the Comprehensive Plan Future Land Use Element).
    vii. Calculation of open space provided (see Section 6.7 of the LDRs).
    viii. Calculation of tree credits, if applicable. Calculations shall be as set forth in Sections 6.2.1(D)(4) and 6.2.2(D)(6) of the LDRs and shall be shown on the plan in tabular format (if tree credits are utilized, the Landscape Plan must identify in the landscape calculations where credit is applied).
    ix. Tree protection detail in accordance with Section 6.2.1(D)(2) of the LDRs.
    x. If tree removal is proposed, a tree survey, showing:
        (a) Each tree proposed for removal;
        (b) Each tree proposed for retention;
        (c) The size and species (both common and scientific names) of all trees proposed for removal/retention;
        (d) Location, size, and species of all new trees proposed to meet mitigation requirements. Mitigation trees must be shown on the plans and a list of all mitigation trees and calculation of required mitigation must be provided on the plan in tabular format.

z. Location of waste receptacles and detail of waste receptacle screening, demonstrating compliance with Section 6.2.3(B) and, if within the Gateway Overlay District, with Section 3.7.2(C)(5)(c)(ii).
aa. Photometric Plan, demonstrating compliance with the applicable provisions of Section 6.4 of the LDRs.
bb. Location and size of any lakes, ponds, canals, or other waters and waterways, and required setbacks dimensioned on the plans from such waterways.
cc. For development consisting of a nonresidential use, except for single tenant retail sales and services uses greater than or equal to 20,000 square feet in area and except for use types within the industrial services, manufacturing and production, warehouse freight and movement, waste-related services, and wholesale sales use categories ***not*** located within 500 feet of the right-of-way of US Highway 441: Architectural plans demonstrating compliance with the design standards for business uses as provided in Section 6.8.2 of the LDRs. Architectural plans shall include:
    i. Calculation of glazing of:
        (a) the front façade;
        (b) any facade facing a street;
        (c) any façade facing a publicly-accessible parking area which is a part of the development and consisting of 15 percent or more of the minimum off-street parking required by Section 6.1.4(B) of the LDRs; and,
        (d) any façade facing vacant land classified as CSV, A, RSF-1, RSF-3, RSF-4, RSF-6, RMH-5, RMH-P, RMF-8 or RMF-15, or lands containing existing residential uses.
    ii. Calculation of the area of all façades subject to glazing.
    iii. Detail on the architectural plans depicting façade massing or a massing alternative as defined in Section 6.8.2(A)(2)(b).
    iv. Identification of each material utilized in each façade and the percentage of the total area of the façade for each material used.
dd. For development consisting of a nonresidential use where a single retail services tenant is greater than or equal to 20,000 square feet in area: Architectural plans demonstrating compliance with the design standards for single tenant retail sales and service uses greater than or equal to 20,000 square feet in area as provided in Section 6.8.3 of the LDRs. Architectural plans shall include:
    i. Color plans depicting the color of all materials used in the façade.
    ii. Identification of each material utilized in each façade and the percentage of the total area of the façade for each material used.
    iii. Calculation of glazing of:
        (a) the front façade;
        (b) any facade facing a street;
        (c) any façade facing a publicly-accessible parking area which is a part of the development and consisting of 15 percent or more of the minimum off-street parking required by Section 6.1.4(B) of the LDRs; and,
        (d) any façade facing vacant land classified as CSV, A, RSF-1, RSF-3, RSF-4, RSF-6, RMH-5, RMH-P, RMF-8 or RMF-15, or lands containing existing residential uses.
    iv. Calculation of the area of all façades subject to glazing.
    v. If a glazing alternative as defined in Section 6.8.3(A)(2)(a)(iv) is used, calculation of area of alternative materials used or identification of other architectural features meeting the requirements of Section 6.8.3 of the LDRs.
    vi. Detail on the architectural plans depicting façade massing or a massing alternative as defined in Section 6.8.2(A)(2)(b) of the LDRs.
ee. For development consisting multi-family residential uses and/or a mobile home park:
    i. Gross acreage.
    ii. Number of dwelling units proposed.
    iii. Density.
    iv. Location and percentage of total open space and recreation areas.
    v. Floor area of each dwelling unit.
    vi. Number of proposed parking spaces.
    vii. Street layout, if applicable.
    viii. Layout of mobile home stands (for mobile home parks only).
    ix. City of Alachua Public School Student Generation Form.

2. Stormwater management plan - including the following:
    a. Plans showing existing contours at one (1) foot intervals based on U.S. Coastal and Geodetic Datum.
    b. Proposed finished floor elevation of all buildings.
    c. Existing and proposed stormwater management facilities with size and grades.
    d. Proposed orderly disposal of surface water runoff.
    e. Drainage calculations.

3. Fire Department Access and Water Supply Plan. All fire protection plans are subject to review and approval by the Alachua County Fire Marshal and City of Alachua Public Services Department. Fire Department Access and Water Supply Plan shall include:
    a. Plans prepared by a professional engineer licensed in the State of Florida.

b. Fire flow calculations for each newly constructed building. Calculations shall be performed in accordance with Chapter 18, Section 18.4 of the Florida Fire Prevention Code.
c. Documentation from the water purveyor stating the available flow to the subject property.

4. Concurrency Impact Analysis showing the impact on public facilities, including potable water, sanitary sewer, transportation, solid waste, recreation, stormwater, and public schools (if applicable) in accordance with Section 2.4.14 of the LDRs.

5. Analysis of Consistency with the City of Alachua Comprehensive Plan (analysis must identify specific Goals, Objectives, and Policies and describe in detail how the application complies with the noted Goal, Objective, or Policy).

   For commercial/corporate park/industrial projects: In addition to submitting specific written information regarding the development's compliance with the relevant Goals, Objectives, and Policies of the City of Alachua Comprehensive Plan, a response to the design and performance standards as provided in Policy 1.3.d (for commercial projects), Policy 1.4.f (for corporate park projects), or Policy 1.5.d (for industrial projects) of the Future Land Use Element:

   The following criteria shall apply when evaluating commercial/corporate park/industrial development proposals:

   1. Integration of vehicular and non-vehicular access into the site and access management features of site in terms of driveway cuts and cross access between adjacent sites, including use of frontage roads and/or shared access;
   2. Buffering from adjacent existing/potential uses;
   3. Open space provisions and balance of proportion between gross floor area and site size;
   4. Adequacy of pervious surface area in terms of drainage requirements;
   5. Placement of signage;
   6. Adequacy of site lighting and intrusiveness of lighting upon the surrounding area;
   7. Safety of on-site circulation patterns (patron, employee and delivery vehicles), including parking layout and drive aisles, and points of conflict;
   8. Landscaping, as it relates to the requirements of the Comprehensive Plan and Land Development Regulations;
   9. Unique features and resources which may constrain site development, such as soils, existing vegetation and historic significance; and
   10. Performance based zoning requirements, which may serve as a substitute for or accompany land development regulations in attaining acceptable site design.
   11. Commercial/Corporate Park/Industrial uses shall be limited to an intensity of less than or equal to 0.50 floor area ratio for parcels 10 acres or greater, 0.50 floor area ratio for parcels less than 10 acres but 5 acres or greater, a 0.75 floor area ratio for parcels less than 5 acres but greater than 1 acre, and 1.0 floor area ratio to parcels 1 acre or less.
   12. Complementary residential uses (corporate park only).

6. *For Site Plans for Buildings Less than 80,000 Square Feet in Area:* One (1) set of mailing labels for all property owners within 400 feet of the subject property boundaries – even if property within 400 feet falls outside of City limits (obtain from the Alachua County Property Appraiser's web site) – and all persons/organizations registered to receive notice of development applications (current list may be obtained from the Planning & Community Development Department).
   For Site Plans for Buildings Greater than or Equal to 80,000 Square Feet in Area: Two (2) sets of mailing labels for all property owners within 400 feet of the subject property boundaries – even if property within 400 feet falls outside of City limits (obtain from the Alachua County Property Appraiser's web site) – and all persons/organizations registered to receive notice of development applications (current list may be obtained from the Planning & Community Development Department).

7. Neighborhood Meeting Materials, including:
   i. Copy of the required published notice (advertisement) – must be published a newspaper of general circulation, as defined in Article 10 of the City's LDRs;
   ii. Copy of written notice (letter) sent to all property owners within 400 feet and to all persons/organizations registered with the City to receive notice, and a copy of the mailing labels or a list of those who received written notice; and,
   iii. Written summary of meeting – must include (1) those in attendance; (2) a summary of the issues related to the development proposal discussed; (3) comments by those in attendance about the development proposal; and, (4) any other information deemed appropriate.

8. Legal description: (1) on 8.5" x 11" paper; and (2) electronic file in Word format.

9. Proof of ownership (i.e., copy of deed.)

10. Proof of payment of taxes.

11. Traffic Impact Analysis or Statement, as deemed applicable to the project by the City of Alachua in its sole discretion.

12. Environmental Assessment or Study, as deemed applicable to the project by the City of Alachua in its sole discretion.

13. Environmental Resource Permit (or Letter of Exemption) from the Suwannee River Water Management District (SRWMD) or Self-Certification for a Stormwater Management System in Uplands Serving Less than 10 Acres of Total Project Area and Less than 2 Acres of Impervious Surfaces from the Florida Department of Environmental Protection (FDEP) pursuant to Section 403.814(12), Florida Statutes (or documentation which shows a permit application/exemption/self-certification has been submitted to SRWMD or FDEP).

14. If access is from a County Road, access management permit from Alachua County Public Works (or documentation which shows a permit application has been submitted).

15. If access is from a State Road, access management permit from Florida Department of Transportation (or documentation which shows a permit application has been submitted).

16. **Fee.** Please see fee schedule for fee determination. No application shall be accepted for processing until the required application fee is paid in full by the applicant. Any costs associated with outside professional consulting services deemed necessary by the City in its sole discretion will be billed to the applicant at the rate of the consultant. The invoice for such services shall be paid in full prior to any public hearing(s) on the application.

All applicable attachments are required for a complete application. A completeness review of the application will be conducted within five (5) business days of receipt. If the application is determined to be incomplete, the application will be returned to the applicant.

Under penalty of perjury, I/we certify and acknowledge that the information contained herein is true and correct to the best of my/our knowledge.

Signature of Applicant

Signature of Co-applicant

Travis Hastay, PE

Typed or printed name *and title* of applicant

Typed or printed name *and title* of co-applicant

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me by means of ☑ physical presence or ☐ online notarization, this 22 day of August, 2023, by Travis Hastay who executed the same and has ____ produced _____ as identification or ☑ is personally known to me.

Signature of Notary

Print Name: Trina Lemnah
Notary Public, State of Florida

TRINA LEMNAH
Notary Public - State of Florida
Commission # HH 368686
My Comm. Expires Mar 21, 2027
Bonded through National Notary Assn.

My Commission Expires: 3/21/2027

City of ALACHUA

THE GOOD LIFE COMMUNITY

Authorized Agent Affidavit

A. PROPERTY INFORMATION

Address of Subject Property: TBD - at the intersection of NW 138th Ave and NW 173rd St

Parcel ID Number(s): 03894-000-000

Acreage: 285.03

B. PERSON PROVIDING AGENT AUTHORIZATION

Name: _____ Title: _____

Company (if applicable): Waco Properties Inc

Mailing Address: 569 Edgewood Ave South

City: Jacksonville State: FL ZIP: 32205

Telephone: contact agent FAX: _____ e-mail: contact agent

C. AUTHORIZED AGENT

Name: Travis Hastay, PE Title: Senior Project Manager

Company (if applicable): CHW

Mailing address: 11801 Research Dr

City: Alachua State: FL ZIP: 32615

Telephone: (352) 331-1976 FAX: _____ e-mail: travish@chw-inc.com

D. REQUESTED ACTION:

To submit for site plan approval & special exception approval

I hereby certify that I am the property owner of record, or I have received authorization from the property owner of record to file an application for a development permit related to the property identified above. I authorize the agent listed above to act on my behalf for purposes of this application.

Signature of Applicant

Signature of Co-applicant

Richard Exline

Typed or printed name and title of applicant

Typed or printed name of co-applicant

State of Florida County of Duval

The foregoing application is acknowledged before me this 18th day of August, 2023 by _____

_____, who is/are personally known to me, or who has/have produced _____

as identification.

NOTARY SEAL

ELIZABETH HOLMES
NOTARY PUBLIC
STATE OF FLORIDA
NO. HH 283063
MY COMMISSION EXPIRES JUN. 30, 2026

Elizabeth B. Holmes

Signature of Notary Public, State of FL

City of ALACHUA

THE GOOD LIFE COMMUNITY

Authorized Agent Affidavit

A. PROPERTY INFORMATION

Address of Subject Property: TBD - at the intersection of NW 138th Ave and NW 173rd St

Parcel ID Number(s): 03898-000-000

Acreage: 35.33

B. PERSON PROVIDING AGENT AUTHORIZATION

Name: _____ Title: _____

Company (if applicable): Alspaugh & Brown Trustee & Henderson Brothers Inc & Weidner

Mailing Address: 898 SW 21st St

City: Boca Raton State: FL ZIP: 33486

Telephone: contact agent FAX: _____ e-mail: contact agent

C. AUTHORIZED AGENT

Name: Travis Hastay, PE Title: Senior Project Manager

Company (if applicable): CHW

Mailing address: 11801 Research Dr

City: Alachua State: FL ZIP: 32615

Telephone: (352) 331-1976 FAX: _____ e-mail: travish@chw-inc.com

D. REQUESTED ACTION:

To submit for site plan approval & special exception approval

I hereby certify that I am the property owner of record, or I have received authorization from the property owner of record to file an application for a development permit related to the property identified above. I authorize the agent listed above to act on my behalf for purposes of this application.

Peter Horne

Signature of Applicant

In-House Counsel

Peter Horne Henderson Brothers, Inc.

Typed or printed name and title of applicant

_____

Signature of Co-applicant

_____

Typed or printed name of co-applicant

State of Pennsylvania County of Allegheny

The foregoing application is acknowledged before me this 7th day of September, 2023 by Peter Horne

_____, who is/are personally known to me, or who has/have produced Drivers license as identification.

Karen Lewis

Signature of Notary Public, State of PA

NOTARY SEAL

Commonwealth of Pennsylvania - Notary Seal
Karen Lewis, Notary Public
Allegheny County
My commission expires October 23, 2025
Commission number 1322327

Member, Pennsylvania Association of Notaries

City of ALACHUA

THE GOOD LIFE COMMUNITY

Authorized Agent Affidavit

A. PROPERTY INFORMATION

Address of Subject Property: TBD - at the intersection of NW 138th Ave and NW 173rd St

Parcel ID Number(s): 03898-000-000

Acreage: 35.33

B. PERSON PROVIDING AGENT AUTHORIZATION

Name: _____ Title: _____

Company (if applicable): Alspaugh & Brown Trustee & Henderson Brothers Inc & Weidner

Mailing Address: 898 SW 21st St

City: Boca Raton State: FL ZIP: 33486

Telephone: contact agent FAX: _____ e-mail: contact agent

C. AUTHORIZED AGENT

Name: Travis Hastay, PE Title: Senior Project Manager

Company (if applicable): CHW

Mailing address: 11801 Research Dr

City: Alachua State: FL ZIP: 32615

Telephone: (352) 331-1976 FAX: _____ e-mail: travish@chw-inc.com

D. REQUESTED ACTION:

To submit for site plan approval & special exception approval

I hereby certify that I am the property owner of record, or I have received authorization from the property owner of record to file an application for a development permit related to the property identified above. I authorize the agent listed above to act on my behalf for purposes of this application.

Linda Weidner

Signature of Applicant

_____

Signature of Co-applicant

Linda Weidner

Typed or printed name and title of applicant

_____

Typed or printed name of co-applicant

State of Florida County of Hillsborough

The foregoing application is acknowledged before me this 24 day of August, 2023 by Linda Weidner, who is/are personally known to me, or who has/have produced FL D.L. W356-521-50-581-0 as identification.

NOTARY SEAL

KATHY M. LOVELACE
MY COMMISSION # HH 048881
EXPIRES: September 17, 2024
Bonded Thru Notary Public Underwriters

Kathy M Lovelace

Signature of Notary Public, State of Florida

City of ALACHUA

THE GOOD LIFE COMMUNITY

Authorized Agent Affidavit

A. PROPERTY INFORMATION

Address of Subject Property: TBD - at the intersection of NW 138th Ave and NW 173rd St

Parcel ID Number(s): 03898-000-000

Acreage: 35.33

B. PERSON PROVIDING AGENT AUTHORIZATION

Name: _____ Title: _____

Company (if applicable): Alspaugh & Brown Trustee & Henderson Brothers Inc & Weidner

Mailing Address: 898 SW 21st St

City: Boca Raton State: FL ZIP: 33486

Telephone: contact agent FAX: _____ e-mail: contact agent

C. AUTHORIZED AGENT

Name: Travis Hastay, PE Title: Senior Project Manager

Company (if applicable): CHW

Mailing address: 11801 Research Dr

City: Alachua State: FL ZIP: 32615

Telephone: (352) 331-1976 FAX: _____ e-mail: travish@chw-inc.com

D. REQUESTED ACTION:

To submit for site plan approval & special exception approval

I hereby certify that I am the property owner of record, or I have received authorization from the property owner of record to file an application for a development permit related to the property identified above. I authorize the agent listed above to act on my behalf for purposes of this application.

Gary D. Brown

Signature of Applicant

GARY D. BROWN

Typed or printed name and title of applicant

_____

Signature of Co-applicant

_____

Typed or printed name of co-applicant

State of PENNSYLVANIA County of ALLEGHENY

The foregoing application is acknowledged before me this 15 day of September, 2023, by GARY D. BROWN

_____, who is/are personally known to me, or who has/have produced PA DRIVER'S LICENSE as identification.

NOTARY SEAL

_____

Signature of Notary Public, State of PA

Commonwealth of Pennsylvania - Notary Seal
Lisa A. Moretti, Notary Public
Allegheny County
My commission expires November 5, 2025
Commission number 1001855
Member, Pennsylvania Association of Notaries

City of Alachua

Authorized Agent Affidavit

A. PROPERTY INFORMATION

Address of Subject Property: TBD - at the intersection of NW 138th Ave and NW 173rd St

Parcel ID Number(s): 03898-000-000

Acreage: 35.33

B. PERSON PROVIDING AGENT AUTHORIZATION

Name: Estate of Joanne M. Alspaugh Title: Personal Representative

Company (if applicable): Alspaugh & Brown Trustee & Henderson Brothers Inc & Weidner

Mailing Address: 898 SW 21st St

City: Boca Raton State: FL ZIP: 33486

Telephone: contact agent FAX: e-mail: contact agent

C. AUTHORIZED AGENT

Name: Travis Hastay, PE Title: Senior Project Manager

Company (if applicable): CHW

Mailing address: 11801 Research Dr

City: Alachua State: FL ZIP: 32615

Telephone: (352) 331-1976 FAX: e-mail: travish@chw-inc.com

D. REQUESTED ACTION:

To submit for site plan approval & special exception approval

I hereby certify that I am the property owner of record, or I have received authorization from the property owner of record to file an application for a development permit related to the property identified above. I authorize the agent listed above to act on my behalf for purposes of this application

Signature of Applicant

Estate of Joanne M Alspaugh, Christopher J Swift Personal Representative

Typed or printed name and title of applicant

Signature of Co-applicant

Typed or printed name of co-applicant

State of Ohio County of Geauga

The foregoing application is acknowledged before me this 29th day of August, 2023 by Christopher Swift, who is/are personally known to me, or who has/have produced _____ as identification.

THOMAS D. ROONEY, Attorney-At-Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date.
Section 147.03 R.C.

Signature of Notary Public, State of

Prepared by and record and return to:
John T. Sefton, Esq.
Foley & Lardner LLP
P.O. Box 240
Jacksonville, FL 32201-0240

RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 2263795 1 PG
2006 AUG 03 10:46 AM BK 3433 PG 1150
J. K. "BUDDY" IRBY
CLERK OF CIRCUIT COURT
ALACHUA COUNTY, FLORIDA
CLERK25 Receipt#294707
Doc Stamp-Deed: 7.00

2263795

QUIT-CLAIM DEED

This Indenture, made as of this 13 day of July, 2006, between **MILLER OIL PROPERTIES, L.L.C.**, a limited liability company organized under the laws of Oklahoma, whose address is 10202 Grand Teton Court, Austin, TX 78759-5519, party of the first part, and **WACO PROPERTIES, INC.**, a Florida corporation, whose address is c/o John T Sefton, PO Box 240, Jacksonville, FL 32201-0240, party of the second part.

WITNESSETH:

That party of the first part for and in consideration of the sum of $10 and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, has remised, released, and quitclaimed to party of the second part, and party of the second part's heirs, successors and assigns forever, all of party of the first part's right, title, and interest, if any, in and to the following described real property located in Alachua County, Florida, to wit:

W 1/2 of SW 1/4, Section 20, T8S, R18E

which party of the first part may have as of the date of this deed, together with all tenements, hereditaments, appurtenances thereunto belonging or in anywise appurtaining, to have and to hold unto party of the second part's successors and assigns, forever.

IN WITNESS WHEREOF, party of the first part has hereunto set its hand and seal as of the day and year first above written.

Witnesses

Chris Finger
CHRIS FINGER
Printed or typed name of witness

Janie L. Burkholder
Janie L. Burkholder
Printed or typed name of witness

MILLER OIL PROPERTIES, L.L.C.

By: J. Keith Miller
J. Keith Miller, its manager

STATE OF TEXAS; COUNTY OF Kendall

The foregoing instrument was acknowledged before me this 13th day of July, 2006, by **J. KEITH MILLER,** the manger of **MILLER OIL PROPERTIES, L.L.C.**, an Oklahoma limited liability company, on behalf of said company. J. Keith Miller ***[check applicable box]*** X produced a current Texas driver's license as identification or ___ is personally known to me.

{Notary Seal must be affixed}

ALICE J. DUNCAN
Notary Public
STATE OF TEXAS
My Comm. Exp. 01-11-2009

Alice Duncan
Signature of Notary

Alice Duncan
Name of Notary Typed, Printed or Stamped

My Commission Expires (if not legible on seal): 01/11/2009

RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 2137959 2 PGS
2005 MAY 27 02:20 PM BK 3133 PG 24
J. K. "BUDDY" IRBY
CLERK OF CIRCUIT COURT
ALACHUA COUNTY, FLORIDA
CLERK10 Receipt#237555
Doc Stamp-Deed: 4,025.00

Record & Return To:
Darryl J. Tompkins, P.A.
P.O. Box 519
Alachua, FL 32616

2137959

Parcel ID Number: 03898-000-000

Warranty Deed

This Indenture, Made this 17th day of May , 2005 A.D., **Between**

WILLIAM R. SABIS, a married man;

of the County of ALACHUA, State of Florida, **Grantor**, and

GARY D. BROWN, as Trustee of the GARY D. BROWN REVOCABLE TRUST DATED 1/23/04, as to an undivided 25% interest; and LINDA WEIDNER, as to an undivided 25% interest; and JOANNE ALSPAUGH, as to an undivided 25% interest; and HENDERSON BROTHERS, INC., as to an undivided 25% interest, as tenants in common.

whose post office address is: c/o Paul Himmelrich, 710 E. Hillsboro Blvd., Suite 201, Deerfield Beach, FL 33441.

of the County of BROWARD, State of Florida, **Grantee**

Witnesseth that the GRANTOR, for and in consideration of the sum of TEN & NO/100 ($10.00), and other good and valuable consideration to GRANTOR in hand paid by GRANTEE, the receipt of which is hereby acknowledged, has granted, bargained and sold to the said GRANTEE and GRANTEE'S successors and assigns forever, the following described land, situate, lying and being in the County of ALACHUA, State of Florida to wit:

See Attached Exhibit "A"

SUBJECT TO THE FOLLOWING:

A. Zoning restrictions, prohibitions and other requirements imposed by governmental authority;
B. Restrictions and matters appearing on the plat and/or common to the subdivision;
C. Taxes for the year 2005 and subsequent years.

The Grantee Trustee named herein shall have the power and authority either to protect, conserve and to sell, or to lease, or to encumber, or otherwise to manage and dispose of the real property described in the recorded instrument.

and the grantor does hereby fully warrant the title to said land, and will defend the same against lawful claims of all persons whomsoever.

Grantor hereby warrants and represents that the subject property is not his Constitutional Homestead, nor of his spouse, if any, nor is it contiguous thereto.

In Witness Whereof, the grantor has hereunto set his hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Printed Name: Bob Bienick

Printed Name: Rebecca Budny

WILLIAM R. SABIS
330 SW 132nd Terrace, Gainesville, FL 32669

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 17th day of May, 2005, by WILLIAM R. SABIS who is personally known to me or has produced his Florida Drivers License Driver's Licenses as identification.

REBECCA BUDNY
Notary Public, State of Florida
My comm. exp. Dec. 17, 2008
Comm. No. DD 367138

Notary Public State of Florida
Printed Name: Rebecca Budny
My Commission Expires: 12-17-05

EXHIBIT "A"

The Southeast Quarter (SE 1/4) of the Northeast Quarter (NE 1/4) in Section 20, Township 8 South, Range 18 East, Alachua County, Florida. LESS road right-of-way as per deed recorded in Official Records Book 103, page 432 of the Public Records of Alachua County, Florida. ALSO LESS the North 40 feet for County Road right-of-way per Official Records Book 880, page 168, Public Records of Alachua County, Florida.

INSTRUMENT # 2137959
2 PGS

AYESHA SOLOMON
ALACHUA COUNTY
PROPERTY APPRAISER
KNOWLEDGEABLE - COMMUNITY FOCUSED - COMMITTED

Sign Up for Property Watch

Parcel Summary

No Image Available

Parcel ID	03894-000-000
Prop ID	15309
Location Address	17910 PEGGY RD ALACHUA, FL 32615
Neighborhood/Area	233200.00
Subdivision	
Legal Description	SE1/4 LESS SR S-235A SW1/4 LESS S 300 FT OF E 150 FT OF SW1/4 OF SW1/4 LESS 1 ACRE FOR CEMETERY LESS COUNTY ROAD NW 26 LESS 2.5 ACRES IN SE CORNER OF SEC S OF CR 2054 LESS COUNTY RD 2054 PER OR 1096/ 0575)(LESS MINERAL RIGHTS) OR 2140/1837 (Note: *The Description above is not to be used on legal documents.)
Property Use Code	CROPSOIL CLASS2 (05200)
Sec/Twp/Rng	20-08-18
Tax Area	ALACHUA (1700)
Acres	285.03
Homesteaded	False

View Map

Millage Rate Value

Millage Rate: 21.5087

Owner Information

WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

Valuation

	2022 Certified Values	2021 Certified Values	2020 Certified Values	2019 Certified Values	2018 Certified Values
Improvement Value	$17,667	$17,667	$17,667	$17,667	$14,700
Land Value	$0	$0	$0	$0	$0
Land Agricultural Value	$72,000	$72,000	$72,000	$72,000	$72,000
Agricultural (Market) Value	$5,130,540	$5,130,540	$5,130,540	$5,130,540	$5,130,500
Just (Market) Value	**$5,148,207**	**$5,148,207**	**$5,148,207**	**$5,148,207**	**$5,145,200**
Assessed Value	$89,667	$89,667	$89,667	$88,170	$86,700
Exempt Value	$0	$0	$0	$0	$0
Taxable Value	$89,667	$89,667	$89,667	$88,170	$86,700
Maximum Save Our Homes Portability	$0	$0	$0	$1,497	$0

"Just (Market) Value" description - This is the value established by the Property Appraiser for ad valorem purposes. This value does not represent anticipated selling price.

TRIM Notice

2022 TRIM Notice (PDF)

Land Information

Land Use	Land Use Desc	Acres	Square Feet	Eff. Frontage	Depth	Zoning
5200	CROPLAND 2	200.00	8712000	0	0	RSF-4
5900	PINE/HARDWOOD	85.03	3703906.8	0	0	RSF-4

Building Information

Type	SOH MISC	**Heat**	
Total Area	2	**HC&V**	
Heated Area		**HVAC**	
Exterior Walls		**Bathrooms**	
Interior Walls		**Bedrooms**	
Roofing		**Total Rooms**	
Roof Type		**Stories**	1.0
Frame		**Actual Year Built**	0
Floor Cover		**Effective Year Built**	1998

Type	NSOH MISC	**Heat**	
Total Area	10,032	**HC&V**	
Heated Area		**HVAC**	
Exterior Walls		**Bathrooms**	
Interior Walls		**Bedrooms**	
Roofing		**Total Rooms**	
Roof Type		**Stories**	1.0
Frame		**Actual Year Built**	0
Floor Cover		**Effective Year Built**	1980

Sub Area

Type	Description	Sq. Footage	Quality	Imprv Use	Imprv Use Descr
2400	WELL	1		R5	RES
2402	WELL IRR	1		R5	RES

Type	Description	Sq. Footage	Quality	Imprv Use	Imprv Use Descr
0221	BARN 1	280		R2	RES
0221	BARN 1	720		R2	RES
0241	BARN POLE 1	1,040		R2	RES
0241	BARN POLE 1	3,600		R2	RES
0241	BARN POLE 1	4,392		R2	RES

Sales

Sale Date	Sale Price	Instrument	Book	Page	Qualified	Vacant/Improved	Grantor	Grantee	Link to Official Records
7/13/2006	$1,000	QD	3433	1150	U - UNQUALIFIED	Improved	* MILLER OIL PROPERTIES LLC PT	WACO PROPERTIES INC	Link (Clerk)
7/13/2006	$3,500	QD	3433	1149	U - UNQUALIFIED	Improved	* W H & HILLARY WELLBORN PT OF	* MILLER OIL PROPERTIES LLC PT	Link (Clerk)
7/3/2006	$100	QD	3433	1148	U - UNQUALIFIED	Improved	* A K GUTHRIE PT OF THIS PARCE	* W H & HILLARY WELLBORN PT OF	Link (Clerk)
11/18/1997	$784,000	SD	2140	1837	Q - QUALIFIED	Improved	* IBM	* A K GUTHRIE PT OF THIS PARCE	Link (Clerk)

Official Public Records information is provided by the Alachua County Clerk's Office. Clicking on these links will direct you to their web site displaying the document details for this specific transaction.

Permits

Permit Number	Type	Primary	Active	Issue Date	Value
98-00000	OVER THE COUNTER INSPECT	Yes	No	1/1/1998	$0
97-00000	OVER THE COUNTER INSPECT	Yes	No	1/1/1997	$0

Our permitting information is pulled from the Alachua County Permitting Offices. Permitting information shown here is all the Property Appraiser has on file for this property. Any detailed questions about permits should be directed to the Permitting Offices.

Map



No data available for the following modules: Extra Features, Sketches, Photos.

This web application and the data herein is prepared for the inventory of real property found within Alachua County and is compiled from recorded deeds, plats, and other public records and data. Users of this web application and the data herein are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information. Alachua County Property Appraiser's Office assumes no legal responsibility for the information contained herein.
User Privacy Policy
GDPR Privacy Notice

Developed by Schneider GEOSPATIAL

Last Data Upload: 6/21/2023, 2:59:44 AM

Version 3.1.15

AYESHA SOLOMON
ALACHUA COUNTY
PROPERTY APPRAISER
KNOWLEDGEABLE - COMMUNITY FOCUSED - COMMITTED

Sign Up for Property Watch

Parcel Summary

No Image Available

Parcel ID	03898-000-000
Prop ID	15328
Location Address	UNASSIGNED LOCATION RE
Neighborhood/Area	233200.00
Subdivision	
Legal Description	SE1/4 OF NE1/4 LESS E 50 FT R/W OR 825/56 LESS N 50 FT R/W OR 1146/0926) OR 3133/0024 (Note: *The Description above is not to be used on legal documents.)
Property Use Code	CROPSOIL CLASS2 (05200)
Sec/Twp/Rng	20-08-18
Tax Area	ALACHUA (1700)
Acres	35.78
Homesteaded	False

View Map

Millage Rate Value

Millage Rate: 21.5087

Owner Information

ALSPAUGH & BROWN TRUSTEE &
HENDERSON BROTHERS INC & WEIDNER
% HIMMELRICH AND COMPANY
898 SW 21ST ST
BOCA RATON, FL 33486

Valuation

	2022 Certified Values	2021 Certified Values	2020 Certified Values	2019 Certified Values	2018 Certified Values
Improvement Value	$0	$0	$0	$0	$0
Land Value	$0	$0	$0	$0	$0
Land Agricultural Value	$9,800	$9,800	$9,800	$9,800	$9,800
Agricultural (Market) Value	$78,716	$78,716	$78,716	$78,716	$78,700
Just (Market) Value	**$78,716**	**$78,716**	**$78,716**	**$78,716**	**$78,700**
Assessed Value	$9,800	$9,800	$9,800	$9,800	$9,800
Exempt Value	$0	$0	$0	$0	$0
Taxable Value	$9,800	$9,800	$9,800	$9,800	$9,800
Maximum Save Our Homes Portability	$0	$0	$0	$0	$0

"Just (Market) Value" description - This is the value established by the Property Appraiser for ad valorem purposes. This value does not represent anticipated selling price.

TRIM Notice

2022 TRIM Notice (PDF)

Land Information

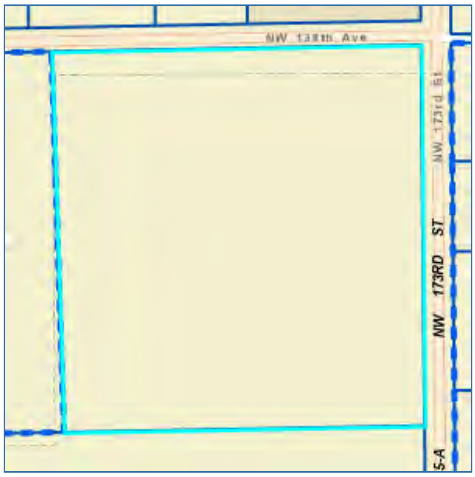
Land Use	Land Use Desc	Acres	Square Feet	Eff. Frontage	Depth	Zoning
5200	CROPLAND 2	35.78	1558576.8	0	0	A

Sales

Sale Date	Sale Price	Instrument	Book	Page	Qualified	Vacant/Improved	Grantor	Grantee	Link to Official Records
5/17/2005	$575,000	WD	3133	24	Q - QUALIFIED	Improved	* SABIS WILLIAM R	ALSPAUGH JOANNE	Link (Clerk)
3/31/2000	$67,400	WD	2283	1644	U - UNQUALIFIED	Vacant	* NADEAU & SABIS /// LEONARD &	* SABIS WILLIAM R	Link (Clerk)

Official Public Records information is provided by the Alachua County Clerk's Office. Clicking on these links will direct you to their web site displaying the document details for this specific transaction.

Map



No data available for the following modules: Building Information, Sub Area, Extra Features, Permits, Sketches, Photos.

This web application and the data herein is prepared for the inventory of real property found within Alachua County and is compiled from recorded deeds, plats, and other public records and data. Users of this web application and the data herein are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information. Alachua County Property Appraiser's Office assumes no legal responsibility for the information contained herein.
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GDPR Privacy Notice

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Last Data Upload: 6/21/2023, 2:59:44 AM

Detail by Entity Name

Florida Profit Corporation
WACO PROPERTIES, INC.

Filing Information

Document Number	P97000106854
FEI/EIN Number	59-1635702
Date Filed	12/19/1997
State	FL
Status	ACTIVE
Last Event	REINSTATEMENT
Event Date Filed	09/27/2022

Principal Address

569 EDGEWOOD AVENUE SOUTH
JACKSONVILLE, FL 32205

Changed: 04/26/2006

Mailing Address

569 EDGEWOOD AVENUE SOUTH
JACKSONVILLE, FL 32205

Changed: 04/26/2006

Registered Agent Name & Address

C T Corporation System
1200 South Pine Island Road
Plantation, FL 33324

Name Changed: 04/26/2019

Address Changed: 04/26/2019

Officer/Director Detail

Name & Address

Title President, Director

MCARTHUR, WILLIAM A, Jr.
569 EDGEWOOD AVENUE SOUTH
JACKSONVILLE, FL 32205

Title VP

Exline, Richard A
569 EDGEWOOD AVENUE SOUTH
JACKSONVILLE, FL 32205

Title VP

MCARTHUR, Donald W, IV
569 EDGEWOOD AVENUE SOUTH
JACKSONVILLE, FL 32205

Annual Reports

Report Year	Filed Date
2021	04/05/2021
2022	09/27/2022
2023	01/23/2023

Document Images

01/23/2023 -- ANNUAL REPORT	View image in PDF format
09/27/2022 -- REINSTATEMENT	View image in PDF format
04/05/2021 -- ANNUAL REPORT	View image in PDF format
04/29/2020 -- ANNUAL REPORT	View image in PDF format
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04/22/2018 -- ANNUAL REPORT	View image in PDF format
04/26/2017 -- ANNUAL REPORT	View image in PDF format
02/19/2016 -- ANNUAL REPORT	View image in PDF format
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04/05/2013 -- ANNUAL REPORT	View image in PDF format
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03/02/2011 -- ANNUAL REPORT	View image in PDF format
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03/04/2009 -- ANNUAL REPORT	View image in PDF format
04/28/2008 -- ANNUAL REPORT	View image in PDF format
02/02/2007 -- ANNUAL REPORT	View image in PDF format
05/09/2006 -- ANNUAL REPORT	View image in PDF format
04/26/2006 -- ANNUAL REPORT	View image in PDF format
04/29/2005 -- ANNUAL REPORT	View image in PDF format
04/26/2004 -- ANNUAL REPORT	View image in PDF format
02/14/2003 -- ANNUAL REPORT	View image in PDF format

04/08/2002 -- ANNUAL REPORT	View image in PDF format
03/19/2001 -- ANNUAL REPORT	View image in PDF format
04/13/2000 -- Name Change	View image in PDF format
02/09/2000 -- ANNUAL REPORT	View image in PDF format
04/26/1999 -- ANNUAL REPORT	View image in PDF format
03/16/1998 -- ANNUAL REPORT	View image in PDF format
12/31/1997 -- Merger	View image in PDF format
12/19/1997 -- Domestic Profit	View image in PDF format

PARCEL 1 DESCRIPTION:
(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

A TRACT OF LAND SITUATED IN THE SOUTH 1/2 OF SECTION 20, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 20 FOR A POINT OF REFERENCE AND RUN N.01°43'30"W., ALONG THE WEST LINE OF SAID SECTION 20, A DISTANCE OF 40.32 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID WEST LINE OF SECTION 20 WITH THE NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054 (80 FOOT RIGHT OF WAY) AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE N.01°43'30"W., ALONG SAID WEST LINE OF SECTION 20, A DISTANCE OF 2547.72 FEET TO A CONCRETE MONUMENT AT THE NORTHWEST CORNER OF THE AFOREMENTIONED SOUTH ½ OF SECTION 20; THENCE RUN N.89°48'16"E., ALONG THE NORTH LINE OF SAID SOUTH 1/2 , A DISTANCE OF 4989.78 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY RIGHT OF WAY LINE OF COUNTY ROAD 235A (100 FOOT RIGHT OF WAY); THENCE RUN S.00°14'05"W., ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 2239.68 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID WESTERLY RIGHT OF WAY LINE WITH THE AFOREMENTIONED NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054; THENCE RUN S.59°24;55"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 100.58 FEET TO A CONCRETE MONUMENT AT THE BEGINNING OF A CURVE CONCAVE NORTHWESTERLY, SAID CURVE HAVING A RADIUS OF 1869.86 FEET; THENCE RUN SOUTHWESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 30°23'36", AN ARC DISTANCE OF 991.89 FEET (CHORD BEARING AND DISTANCE OF S.74°36'43"W., 980.30 FEET RESPECTIVELY) TO A CONCRETE MONUMENT AT THE END OF SAID CURVE; THENCE RUN S.89°48'31"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 2591.89 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTHERLY RIGHT OF WAY LINE WITH THE EAST LINE OF THE WEST ½ OF THE SOUTHWEST ¼ OF SAID SECTION 20; THENCE RUN N.01°58'22"W., ALONG SAID EAST LINE, A DISTANCE OF 243.48 FEET TO A CONCRETE MONUMENT LOCATED 300.00 FEET NORTH OF THE SOUTH LINE OF SAID SECTION 20; THENCE RUN N.89°27'14"W., PARALLEL WITH SAID SOUTH LINE OF SECTION 20, A DISTANCE OF 150.00 FEET; THENCE RUN S.01°58'22"E., PARALLEL WITH SAID EAST LINE, A DISTANCE OF 245.42 FEET TO SAID NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054; THENCE RUN S.89°48'31"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 1096.30 FEET TO A STEEL ROD AND CAP AT THE BEGINNING OF A CURVE CONCAVE NORTHERLY, SAID CURVE HAVING A RADIUS OF 1869.86 FEET; THENCE RUN WESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 01°02'35", AN ARC DISTANCE OF 34.04 FEET (CHORD BEARING AND DISTANCE OF N.89°40'12"W., 34.04 FEET RESPECTIVELY) TO THE TRUE POINT OF BEGINNING, LESS AND EXCEPT ONE ACRE RESERVED THEREIN FOR GRAVEYARD.

SAID ONE ACRE RESERVED FOR GRAVEYARD BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 20 FOR A POINT OF REFERENCE AND RUN N.01°43'30"W., ALONG THE WEST LINE OF SAID SECTION 20, A DISTANCE OF 2588.04 FEET TO A CONCRETE MONUMENT AT THE NORTHWEST CORNER OF THE AFOREMENTIONED SOUTH ½ OF SECTION 20, THENCE RUN N.89°48'16"E., ALONG THE NORTH LINE OF SAID SOUTH 1/2 , A DISTANCE OF 4989.78 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY RIGHT OF WAY LINE OF COUNTY ROAD 235A (100 FOOT RIGHT OF WAY); THENCE RUN S.00°14'05"W., ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 501.38 FEET; THENCE RUN N.89°45'54"W., A DISTANCE OF 405.49 FEET TO A STEEL ROD AND CAP AT THE TRUE POINT OF BEGINNING OF GRAVEYARD PARCEL; THENCE RUN

S.00°14'06”W., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN N.89°45'54”W., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN N.00°14'06”E., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN S.89°45'54”E., A DISTANCE OF 208.71 FEET TO THE TRUE POINT OF BEGINNING.

AND BEING THE SAME PROPERTY CONVEYED TO WACO, INC., QUALIFIED TO DO BUSINESS IN FLORIDA AS WACO OF ALABAMA, INC., AN ALABAMA CORPORATION FROM INTERNATIONAL BUSINESS MACHINES CORPORATION, A NEW YORK CORPORATION BY SPECIAL WARRANTY DEED DATED NOVEMBER 10, 1997 AND RECORDED NOVEMBER 18, 1997 IN DEED BOOK 2140, PAGE 1837.; SAID WACO, INC, AN ALABAMA CORPORATION MERGED INTO WADE ALABAMA CORPORATION, A FLORIDA CORPORATION; AND SAID WACO OF ALABAMA, INC, AN ALABAMA CORPORATION MERGED INTO WADE ALABAMA CORPORATION, AN ALABAMA CORPORATION, AND SAID WADE ALABAMA CORPORATION, AN ALABAMA CORPORATION CHANGED ITS NAME TO WACO OF ALABAMA, INC., A FLORIDA CORPORATION, AND SAID WACO OF ALABAMA, INC, A FLORIDA CORPORATION CHANGED ITS NAME TO WACO PROPERTIES, INC, A FLORIDA CORPORATION.

TAX PARCEL NO. 03894-000-000

PARCEL 2 DESCRIPTION:
(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) IN SECTION 20, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA. LESS ROAD RIGHT-OF-WAY AS PER DEED RECORDED IN OFFICIAL RECORDS BOOK 103, PAGE 432 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. ALSO LESS THE NORTH 40 FEET FOR COUNTY ROAD RIGHT-OF-WAY PER OFFICIAL RECORDS BOOK 880, PAGE 168, PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.

AND BEING THE SAME PROPERTY CONVEYED TO GARY D. BROWN, AS TRUSTEE OF THE GARY D. BROWN REVOCABLE TRUST DATED JANUARY 23, 2004, AS TO AN UNDIVIDED 25% INTEREST AND LINDA WEIDNER, AS TO AN UNDIVIDED 25% INTEREST AND JOANNE ALSPAUGH, AS TO AN UNDIVIDED 25% INTEREST; AND HENDERSON BROTHERS, INC., AS TO AN UNDIVIDED 25% INTEREST, AS TENANTS IN COMMON FROM WILLIAM R. SABIS BY WARRANTY DEED DATED MAY 17, 2005 AND RECORDED MAY 27, 2005 IN DEED BOOK 3133, PAGE 24.

TAX PARCEL NO. 03898-000-000

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Permit #: DRV23-000351
Project #: 23-020368
Status: Online Application Received
Address: 17910 PEGGY RD
Description: Pleasant Solar LLC



Permit | Reviews | Documents | Inspections

Permit #:
DRV23-000351
Permit Type:
Right-of-Way Connection
Sub Type:
Non-Residential/Commercial
Issue Date:
Expiration Date:

CONNECTION INFORMATION
Connection Type:
Class II (under 1200 ADTs)
Licensed Contractor:

Type of Development:

Industrial

Normal Vehicle Usage:

Auto

Requested Date for Location Approval:

12/12/2023

Are auxiliary lanes provided:

No

I agree to all stated terms and conditions for right of way permits:

Yes

CONTRACTORS

Site Supervisor:

SUBMITTAL DOCUMENTS

Plans:

PLANS 230822 Pleasant Solar Civil Set.pdf

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citizenserve

ALATB15081F

John Power TAX COLLECTOR Serving Alachua County
FLORIDA STERLING AWARD RECIPIENT

2023 PAID REAL ESTATE 15309

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

ACCOUNT NUMBER	PROPERTY ADDRESS	MILLAGE CODE
03894 000 000	17910 PEGGY RD	1700

WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

EXEMPTIONS:

SCAN TO PAY ONLINE

AD VALOREM TAXES

TAXING AUTHORITY	MILLAGE RATE	ASSESSED VALUE	EXEMPTION(S)	TAXABLE VALUE	TAXES LEVIED
COUNTY GENERAL	7.6414	89,667	0	89,667	685.18
LIBRARY GENERAL	1.0339	89,667	0	89,667	92.71
SCHOOL CAP PROJECT	1.5000	89,667	0	89,667	134.50
SCHOOL DISCRNRY & CN	0.7480	89,667	0	89,667	67.07
SCHOOL GENERAL	3.1840	89,667	0	89,667	285.50
SCHOOL VOTED	1.0000	89,667	0	89,667	89.67
CHILDREN'S TRUST	0.4612	89,667	0	89,667	41.35
SUWANNEE RIVER WATER MGT DIST	0.3113	89,667	0	89,667	27.91
CITY OF ALACHUA	5.9500	89,667	0	89,667	533.52

TOTAL MILLAGE 21.8298 AD VALOREM TAXES $1,957.41

LEGAL DESCRIPTION

SE1/4 LESS SR S-235A SW1/4 LESS S 300 FT OF E 150 FT OF SW1/4 OF SW1/4 LESS 1 AC
See Additional Legal on Tax Roll

NON-AD VALOREM ASSESSMENTS

LEVYING AUTHORITY	UNIT	RATE	AMOUNT
550 COUNTY FIRE SERVICES	1.000	Varies	115.62

NON-AD VALOREM ASSESSMENTS $115.62

PAY ONLY ONE AMOUNT.

COMBINED TAXES AND ASSESSMENTS $2,073.03

IF PAID BY	Nov 30, 2023				
PLEASE PAY	$0.00				

Please Retain this Portion for your Records. Receipt Available Online.

JOHN POWER, CFC
ALACHUA COUNTY TAX COLLECTOR

2023 PAID REAL ESTATE 15309
NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

PLEASE PAY IN U.S. FUNDS TO JOHN POWER, TAX COLLECTOR • P.O. Box 44310 • Jacksonville, FL 32231-4310

ACCOUNT NUMBER	PROPERTY ADDRESS
03894 000 000	17910 PEGGY RD

WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

PAY ONLY ONE AMOUNT

	IF PAID BY	PLEASE PAY
☐	Nov 30, 2023	$0.00
☐		
☐		
☐		
☐		

WANT TO RECEIVE YOUR BILL ELECTRONICALLY NEXT YEAR? VISIT www.AlachuaCollector.com AND SIGN UP FOR E-BILLS!

Receipt # 23-0056693 $1,990.11 Paid 12/08/2023
11/30/2023 Effective Date

ALATB15081F

John Power TAX COLLECTOR Serving Alachua County
FLORIDA STERLING AWARD RECIPIENT

2023 PAID REAL ESTATE 15328

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

ACCOUNT NUMBER	PROPERTY ADDRESS	MILLAGE CODE
03898 000 000	UNASSIGNED LOCATION RE	1700

ALSPAUGH & BROWN TRUSTEE &
HENDERSON BROTHERS INC &
WEIDNER
% HIMMELRICH AND COMPANY
898 SW 21ST ST
BOCA RATON, FL 33486

EXEMPTIONS:

SCAN TO PAY ONLINE

AD VALOREM TAXES

TAXING AUTHORITY	MILLAGE RATE	ASSESSED VALUE	EXEMPTION(S)	TAXABLE VALUE	TAXES LEVIED
COUNTY GENERAL	7.6414	9,800	0	9,800	74.89
LIBRARY GENERAL	1.0339	9,800	0	9,800	10.13
SCHOOL CAP PROJECT	1.5000	9,800	0	9,800	14.70
SCHOOL DISCRNRY & CN	0.7480	9,800	0	9,800	7.33
SCHOOL GENERAL	3.1840	9,800	0	9,800	31.20
SCHOOL VOTED	1.0000	9,800	0	9,800	9.80
CHILDREN'S TRUST	0.4612	9,800	0	9,800	4.52
SUWANNEE RIVER WATER MGT DIST	0.3113	9,800	0	9,800	3.05
CITY OF ALACHUA	5.9500	9,800	0	9,800	58.31

TOTAL MILLAGE 21.8298 AD VALOREM TAXES $213.93

Please Retain this Portion for your Records. Receipt Available Online.

LEGAL DESCRIPTION

SE1/4 OF NE1/4 LESS E 50 FT R/W OR 825/56 LESS N 50 FT R/W OR 1146/0926) OR 3133
See Additional Legal on Tax Roll

NON-AD VALOREM ASSESSMENTS

LEVYING AUTHORITY	UNIT	RATE	AMOUNT

NON-AD VALOREM ASSESSMENTS $0.00

PAY ONLY ONE AMOUNT.

COMBINED TAXES AND ASSESSMENTS $213.93

IF PAID BY PLEASE PAY	Nov 30, 2023 $0.00				

JOHN POWER, CFC
ALACHUA COUNTY TAX COLLECTOR

2023 PAID REAL ESTATE 15328

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

PLEASE PAY IN U.S. FUNDS TO JOHN POWER, TAX COLLECTOR • P.O. Box 44310 • Jacksonville, FL 32231-4310

ACCOUNT NUMBER	PROPERTY ADDRESS
03898 000 000	UNASSIGNED LOCATION RE

ALSPAUGH & BROWN TRUSTEE &
HENDERSON BROTHERS INC &
WEIDNER
% HIMMELRICH AND COMPANY
898 SW 21ST ST

PAY ONLY ONE AMOUNT

	IF PAID BY	PLEASE PAY
☐	Nov 30, 2023	$0.00
☐		
☐		
☐		
☐		

WANT TO RECEIVE YOUR BILL ELECTRONICALLY NEXT YEAR? VISIT www.AlachuaCollector.com AND SIGN UP FOR E-BILLS!

Receipt # 23-0052677 $205.37 Paid 12/05/2023
11/30/2023 Effective Date

FLORIDA DEPARTMENT OF Environmental Protection

Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

Permittee
Pleasant Solar, LLC
Attn: Andrew Cerrato, Project Development Manager
301 North Lake Avenue, Suite 950
Pasadena, California 91101
acerrato@solariant.com

Engineering Consultant
Travis Hastay, P.E.
CHW Inc.
11801 Research Drive
Alachua, Florida 32615
travish@chw-inc.com

Environmental Consultant
Keith Suderman
TRC Environmental Corporation
4155 Shackleford Road, Suite 225
Norcross, Georgia 30024
KSuderman@trccompanies.com

Pleasant Solar Project

Environmental Resource Permit

State-owned Submerged Lands Authorization – Not Applicable

U.S. Army Corps of Engineers Authorization – Not Included

Alachua County
Permit No.: 01-0408317-002-EI

Permit Issuance Date: May 13, 2024
Permit Construction Phase Expiration Date: May 13, 2029

Environmental Resource Permit

Permittee: Pleasant Solar Project
Permit No: 01-0408317-002-EI

PROJECT LOCATION

The activities authorized by this permit are located at 17910 Peggy Road, Parcel IDs 03894-000-000 and 03898-000-000, Alachua, Florida 32615, in Section 20, Township 8 S, Range 18 E in Alachua County, at latitude 29º 46' 29.17" N, longitude 82º 32' 2.14" W.

PROJECT DESCRIPTION

The project is to construct a stormwater management system associated with the development of a 74.9-megawatt solar photovoltaic energy facility upon approximately 320 acres of agricultural and silvicultural lands. The facility consists of solar panels, inverters, and 16-ft wide at-grade access roads. The total proposed impervious area is approximately 5.71 acres. The stormwater management system consists of one (1) proposed swale and fifteen (15) existing depressions. The swale is 2.0-ft wide at the bottom, 1.0-ft deep, 4H:1V side slope, and 300-ft long in Basin 3. Some existing depressions will have their bottoms raised and flattened but still have storages. The proposed swale combined with the remaining volumes of the existing depressions will provide stormwater collection; stormwater treatment in a volume that is runoff from 2.0 inches of rainfall over the drainage area of each basin; and stormwater attenuation up to 100-year storm event with 1-, 2-, 4-, 8-, 24-hour durations for the entire project area. In addition, two new culverts will be constructed at the facility entrances from Peggy Road and NW 173rd St. Authorized activities are depicted on the attached exhibits.

AUTHORIZATIONS

Pleasant Solar Project

Environmental Resource Permit

The Department has determined that the activity qualifies for an Environmental Resource Permit. Therefore, the Environmental Resource Permit is hereby granted, pursuant to Part IV of Chapter 373, Florida Statutes (F.S.), and Chapter 62-330, Florida Administrative Code (F.A.C.).

Sovereignty Submerged Lands Authorization

As staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), the Department has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, F.S., or Rule 18-21, F.A.C.

Federal Authorization

Your proposed activity as outlined on your application and attached drawings does not qualify for Federal authorization pursuant to the State Programmatic General Permit and a SEPARATE permit or authorization shall be required from the Corps. You must apply separately to the Corps using the Application for Department of the Army Permit (ENG 4345) or alternative as allowed by Corps regulations. More information on Corps permitting may be found online in the Jacksonville District Regulatory Division Sourcebook:

(https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/).
Authority for review - an agreement with the USACOE entitled "Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection (or Duly Authorized Designee), State Programmatic General Permit", Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Water Quality Certification
This permit also constitutes a grant of water quality certification under Section 401 of the Clean Water Act, 33 U.S.C. Section 1341. Pursuant to Rule 62-330.062, F.A.C. issuance of the individual or conceptual approval permit under this chapter shall constitute certification of compliance with water quality standards.

Other Authorizations
You are advised that authorizations or permits for this activity may be required by other federal, state, regional, or local entities including but not limited to local governments or municipalities. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

The activity described may be conducted only in accordance with the terms, conditions and attachments contained in this document. Issuance and granting of the permit and authorizations herein do not infer, nor guarantee, nor imply that future permits, authorizations, or modifications will be granted by the Department.

PERMIT CONDITIONS
The activities described must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to beginning the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings herein. If you are using a contractor, the contractor also should read and understand these conditions and drawings prior to beginning any activity. Failure to comply with these conditions, including any mitigation requirements, shall be grounds for the Department to revoke the permit and authorization and to take appropriate enforcement action. Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit as described.

SPECIFIC CONDITIONS - PRIOR TO ANY CONSTRUCTION

1. The permittee must acquire legal ownership or legal control of all project areas as delineated in the permitted construction drawings.

2. Prior to commencement of work authorized by this permit, the permittee shall provide written notification of the date of the commencement and proposed schedule of construction to the Department of Environmental Protection, Northeast District, 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

3. This permit does not authorize the removal of any vegetation within the jurisdictional area. No dredging, filling, or other construction activity, including the removal of tree stumps and/or vegetative root masses, shall be conducted within the wetlands other than that performed within the specifically authorized work corridor.

4. Outside the specific limits of construction authorized by this permit, any disturbance of or damage to wetlands shall be corrected by restoring pre-construction elevations as to maintain natural hydrology, drainage patterns, and planting vegetation of the same species, size, and density that exist in adjacent undisturbed wetland area.

5. There shall be no storage or stockpiling of tools, equipment, materials (e.g., lumber, pilings, riprap, and debris) within wetlands, along the shoreline within the littoral zone, or elsewhere within waters of the state unless specifically approved in this permit. Any and all construction debris shall be removed from wetlands/waters of the state within 14 days of completion of the work authorized by this permit.

6. There shall be no discharge of construction debris into the waters of the state as conditioned by this permit enforceable under the Florida Litter Law 403.413, F.S., by all law enforcement officers.

7. Best management practices for erosion control shall be implemented prior to construction commencement and shall be maintained at all times during construction to prevent siltation and turbid discharges in excess of State water quality standards pursuant to Rule 62-302, F.A.C. Methods shall include, but are not limited to, the use of staked hay bales, staked filter cloth, sodding, seeding, staged construction and the installation of silt fencing around the immediate project site. Erosion control methods shall be implemented as depicted in the attached best management plan.

8. Fill material which has escaped the containment devices shall be immediately removed from the wetlands and deposited within the authorized construction area landward of the limit of fill as depicted on the attached permit drawings.

9. Historic properties Site AL04791, Catchart Family Cemetery, should be avoided by all ground disturbing project activities, including staging. If avoidance is not possible, further consultation with the Florida Department of State, Division of Historical Resources will be necessary.

10. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at

any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The applicant shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section at (850)-245-6333. Project activities shall not resume without verbal and/or written authorization. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately, and the proper authorities notified in accordance with Section 872.05, Florida Statutes.

SPECIFIC CONDITIONS - OTHER LISTED SPECIES

11. This permit does not authorize the permittee to cause any adverse impact to or "take" of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or permittee associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, Florida Fish and Wildlife Conservation Commission (FWC) staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a "take" permit cannot be issued. Requests for further information or review can be sent to ConservationPlanningServices@MyFWC.com

12. If new information (e.g. listing of new species, new critical habitat, etc.) shows that the magnitude of impacts to federally listed species has the potential for adverse effects, the U.S. Fish and Wildlife Service (USFWS) will notify the Department. The Department will initiate coordination with the permittee and with the USFWS to determine what adverse impacts are likely and if additional minimization measures, reporting, or monitoring are required in order to be consistent with the Endangered Species Act, as deemed necessary by USFWS.

13. The Permittee shall report any injured, sick, or dead federally or state listed animal(s) discovered onsite to the Florida Fish and Wildlife Conservation Commission Wildlife Alert number at 888-404-FWCC (3922).

14. The bald eagle has been removed from state and federal listing but is still governed by the state bald eagle rule (68A-16.002 F.A.C.) and the federal Bald and Golden Eagle Protection Act. No activities shall occur within a 660-foot buffer distance from an eagle nest. If activities within a 660-foot buffer distance from an eagle nest cannot be avoided, the Permittee shall follow the USFWS Eagle Management Guidelines (https://www.fws.gov/southeast/our-services/permits/eagles/#southeast-region-bald-eagle-monitoring-guidelines-section). If the protective measures in the referenced guidance cannot be followed, no activities shall occur unless, and until, an eagle permit is issued by USFWS. Applications and information about federal eagle permits are available online (https://www.fws.gov/southeast/our-services/permits/eagles/#southeast-region-bald-eagle-and-golden-eagle-permitting-section) or by contacting the regional USFWS Migratory Bird Office directly at (404) 679- 7070 or permitsR4MB@fws.gov .

SPECIFIC CONDITIONS - CONSTRUCTION COMPLETION

15. Upon completion of construction, the permittee shall submit to the Department of Form 62-330.310(1) "As-Built Certification and Request for Conversion to Operation Phase". The form shall be certified by a registered professional and serve to notify the Department that the project, or independent portion of the project, is completed and ready for inspection by the Department. The person completing Form 62-330.310(1) shall inform the Department if there are substantial deviations from the plans approved as part of the permit and include as-built drawings with the form.

16. The plans must be clearly labeled as "as-built" or "record" drawings and shall consist of the permitted drawings that clearly highlight (such as through "red lines" or "clouds") any substantial deviations made during construction. The permittee shall be responsible for correcting the deviations [as verified by a new certification using Form 62-330.310(1)]. If such deviations require a modification of the permit under Rule 62-330.315, F.A.C., the permittee shall separately request a modification to the permit, which must be issued by the Department prior to the Department approving the request to convert.

17. When projects authorized by the permit are to be constructed in phases, each phase or independent portion of the permitted project must be completed and the permittee must have submitted Form 62-330.310(1) "As-Built Certification and Request for Conversion to Operation Phase," in accordance with subparagraph 62-330.350(1)(f)2., F.A.C., certifying as to such completion prior to the use of that phase or independent portion of the project. The request for conversion to the operating phase for any phase or independent portion of the permitted project shall occur before construction of any future work that may rely on that infrastructure for conveyance and water quality treatment and attenuation. Phased construction can include a partial certification.

SPECIFIC CONDITIONS – OPERATION AND MAINTENANCE ACTIVITIES

18. In accordance with Section 373.416(2), F.S., unless revoked or abandoned, all stormwater management systems, dams, impoundments, reservoirs, appurtenant works, or works permitted under Part IV of Chapter 373, F.S., must be operated and maintained in perpetuity. The operation and maintenance shall be in accordance with the designs, plans, calculations, and other specifications that are submitted with an application, approved by the Department, and incorporated as a condition into any permit issued.

19. A registered professional shall perform inspections every three years after conversion of the permit to the operation and maintenance phase to identify if there are any deficiencies in structural integrity, degradation due to insufficient maintenance, or improper operation that may endanger public health, safety, or welfare, or the water resources, and to ensure that systems are functioning as designed and permitted. Within 30 days of the inspection, a report shall be submitted electronically or in writing to the Department using Form 62-330.311(1), "Operation and Maintenance Inspection Certification".

20. The permittee shall conduct periodic inspections in addition to the above professional inspections, especially after heavy rain. The permittee shall maintain a record of each

inspection, including the date of inspection, the name and contact information of the inspector, whether the system was functioning as designed and permitted, and make such record available upon request of the Department. Within 30 days of any failure of any system or deviation from the permit, a report shall be submitted electronically or in writing to the Department using Form 62-330.311(1), "Operation and Maintenance Inspection Certification," describing the remedial actions taken to resolve the failure or deviation.

21. The following operational maintenance activities shall be performed on all permitted systems on a regular basis or as needed:
a. Inspection of pipes and structures for damage and blockage
b. Removal of trash, debris, and sediments from the proposed swale and existing depressions
c. Mowing and removal of clippings from the proposed swale and existing onsite depressions
d. Stabilization and restoration of eroded areas and slopes
e. Maintenance of overland flow areas to prevent channelization
f. Check for any indication of sinkhole development and repair of any sinkhole or solution pipe that develops in the system

GENERAL CONDITIONS FOR INDIVIDUAL PERMITS

The following general conditions are binding on all individual permits issued under this chapter, except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate project-specific conditions.

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under chapter 373, F.S.

2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.

3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007), and the Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to

the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," (October 1, 2013), (http://www.flrules.org/Gateway/reference.asp?No=Ref-02505), incorporated by reference herein, indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C., and shall be submitted electronically or by mail to the Agency. However, for activities involving more than one acre of construction that also require a NPDES stormwater construction general permit, submittal of the Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b), shall also serve as notice of commencement of construction under this chapter and, in such a case, submittal of Form 62-330.350(1) is not required.

5. Unless the permit is transferred under rule 62-330.340, F.A.C., or transferred to an operating entity under rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms, and conditions of the permit for the life of the project or activity.

6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:
a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex – "Construction Completion and Inspection Certification for Activities Associated with a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or
b. For all other activities – "As-Built Certification and Request for Conversion to Operation Phase" [Form 62-330.310(1)].
c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

7. If the final operation and maintenance entity is a third party:
a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as-built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.4 of Volume I) as filed with the Florida Department of State, Division of Corporations, and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.
b. Within 30 days of submittal of the as-built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation and Maintenance Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:
a. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in chapter 62-330, F.A.C.;
b. Convey to the permittee or create in the permittee any interest in real property;

c. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
d. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.

10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

11. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.

12. The permittee shall notify the Agency in writing:
a. Immediately if any previously submitted information is discovered to be inaccurate; and
b. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

13. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

14. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850)245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with section 872.05, F.S. For project activities subject to prior consultation with the DHR and as an alternative to the above requirements, the permittee may follow procedures for unanticipated discoveries as set forth within a cultural resources assessment survey determined complete and sufficient by DHR and included as a specific permit condition herein.

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under rule 62-

330.201, F.A.C., provides otherwise.

16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with subsection 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

19. In addition to those general conditions in subsection (1), above, the Agency shall impose any additional project-specific special conditions necessary to assure the permitted activities will not be harmful to the water resources, as set forth in rules 62-330.301 and 62-330.302, F.A.C., Volumes I and II, as applicable, and the rules incorporated by reference in this chapter.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely

filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing
A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-
106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:
(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of when and how the petitioner received notice of the agency decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.
The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition
In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver will not apply to persons who have not received written notice of this action.

Extension of Time
Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation
Mediation is not available in this proceeding.

FLAWAC Review
The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

Judicial Review
Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Executed in Jacksonville, Florida

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Jaylen Comstock

For Katie Sula Miller
Permitting Program Administrator

KM:tc:js

Attachments:
Project Drawings and Design Specs., 16 pages
Construction Commencement Notice/Form 62-330.350(1)
As-built Certification and Request for Conversion to Operational Phase/ Form 62-330.310(1)
Operation and Maintenance Inspection Certification/Form 62-330.311(1)

Copies furnished to:
Travis Hastay, P.E., CHW Inc, travish@chw-inc.com
Keith Suderman, TRC Environmental Corporation, KSuderman@trccompanies.com
Michael DuBose, Division of Historical Resources, Michael.DuBose@dos.myflorida.com
Division of Historical Resources, CompliancePermits@DOS.MyFlorida.com

Katie Miller, FDEP NED
Paul Duff, FDEP NED
Taylor Comstock, FDEP NED
Junhong Shi, FDEP NED
Tianna Goodhart, FDEP NED

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit, including all copies, were mailed before the close of business on May 13, 2024**,** to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under 120.52(7) of the Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



May 13, 2024

Clerk Date



We love being your national partner

For the benefit of:	Solariant Capital, LLC		
Issue Date:	April 7, 2022	**Our Order No.:**	36523532
County:	Alachua	**State:**	FL
Address:	, FL		
Customer Ref. No.:	Pleasant Solar		

It's been a delight to serve you. Connect with us at:

Customer Care Team
Contact for all title needs including ordering, title questions and order status
- sms-commercial@fnf.com

Closing Team
Contact for all escrow and closing needs and support
- sms-closing@fnf.com

Post Closing Team
Contact for all recording and policy needs
- sms-postclosing@fnf.com

Bookkeeping Team
Contact for all billing and accounting needs
- elaine.bishop@fnf.com

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866.522.0129

ALTA COMMITMENT FOR TITLE INSURANCE

Issued By:

Fidelity National Title Insurance Company

Commitment Number:

36523532

NOTICE

IMPORTANT - READ CAREFULLY: THIS COMMITMENT IS AN OFFER TO ISSUE ONE OR MORE TITLE INSURANCE POLICIES. ALL CLAIMS OR REMEDIES SOUGHT AGAINST THE COMPANY INVOLVING THE CONTENT OF THIS COMMITMENT OR THE POLICY MUST BE BASED SOLELY IN CONTRACT.

THIS COMMITMENT IS NOT AN ABSTRACT OF TITLE, REPORT OF THE CONDITION OF TITLE, LEGAL OPINION, OPINION OF TITLE, OR OTHER REPRESENTATION OF THE STATUS OF TITLE. THE PROCEDURES USED BY THE COMPANY TO DETERMINE INSURABILITY OF THE TITLE, INCLUDING ANY SEARCH AND EXAMINATION, ARE PROPRIETARY TO THE COMPANY, WERE PERFORMED SOLELY FOR THE BENEFIT OF THE COMPANY, AND CREATE NO EXTRACONTRACTUAL LIABILITY TO ANY PERSON, INCLUDING A PROPOSED INSURED.

THE COMPANY'S OBLIGATION UNDER THIS COMMITMENT IS TO ISSUE A POLICY TO A PROPOSED INSURED IDENTIFIED IN SCHEDULE A IN ACCORDANCE WITH THE TERMS AND PROVISIONS OF THIS COMMITMENT. THE COMPANY HAS NO LIABILITY OR OBLIGATION INVOLVING THE CONTENT OF THIS COMMITMENT TO ANY OTHER PERSON.

COMMITMENT TO ISSUE POLICY

Subject to the Notice; Schedule B, Part I-Requirements; Schedule B, Part II-Exceptions; and the Commitment Conditions, Fidelity National Title Insurance Company, a Florida corporation (the "Company"), commits to issue the Policy according to the terms and provisions of this Commitment. This Commitment is effective as of the Commitment Date shown in Schedule A for each Policy described in Schedule A, only when the Company has entered in Schedule A both the specified dollar amount as the Proposed Policy Amount and the name of the Proposed Insured.

If all of the Schedule B, Part I-Requirements have not been met within six (6) months after the Commitment Date, this Commitment terminates and the Company's liability and obligation end.

Fidelity National Title Insurance Company

By:

Michael J. Nolan, President

Attest:

Marjorie Nemzura, Secretary

Countersigned By:

Authorized Officer or Agent
Walter A. Wilson, III

This page is only a part of a 2016 ALTA® Commitment for Title Insurance issued by Fidelity National Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I-Requirements; Schedule B, Part II-Exceptions; and a counter-signature by the Company or its issuing agent that may be in electronic form.

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Transaction Identification Data for reference only:

ISSUING OFFICE:
Strategic Market Services-FNT 7130 Glen Forest Drive, Suite 300 Richmond, VA 23226 Main Phone: (866)552-0129 Email: sms-commercial@fnf.com

Order Number: 36523532
Prepared For: Solariant Capital, LLC
Customer Ref.: Pleasant Solar

SCHEDULE A

1. Commitment Date: March 1, 2022

2. Policy to be issued:

   (a) ALTA Owner's Policy 2006 (with Florida Modifications)
   Proposed Insured: Pleasant Solar LLC, a Florida limited liability company
   Proposed Policy Amount: $0.00

   (b)
   Proposed Insured:
   Proposed Policy Amount: $0.00

3. The estate or interest in the Land described or referred to in this Commitment is:

   Leasehold Estate

4. The Title is, at the Commitment Date, vested in:

   Waco Properties, Inc., a Florida corporation (As to Parcel 1)

   Gary D. Brown, as Trustee of the Gary D. Brown Revocable Trust dated January 23, 2004, as to an undivided 25% interest; Linda Weidner, as to an undivided 25% interest; Joanne Alspaugh, as to an undivided 25% interest and Henderson Brothers, Inc., as to an undivided 25% interest, as tenants in common, (As to Parcel 2)

5. The Land is described as follows:

   SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

END OF SCHEDULE A

This page is only a part of a 2016 ALTA® Commitment for Title Insurance issued by Fidelity National Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I-Requirements; Schedule B, Part II-Exceptions; and a counter-signature by the Company or its issuing agent that may be in electronic form.

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EXHIBIT "A"

Legal Description

An interest in land, said interest being over a portion of the following described parent parcel:

Parcel 1:

Overall Tract “E”:

A tract of land situated in the South 1/2 of Section 20, Township 8 South, Range 18 East, Alachua County, Florida, said tract of land being more particularly described as follows:
Commence at the Southwest corner of the aforementioned Section 20 for a point of reference and run N.01°43'30”W., along the West line of said Section 20, a distance of 40.32 feet to a concrete monument at the intersection of said West line of Section 20 with the Northerly right of way line of County Road 2054 (80 foot right of way) and the true point of beginning; thence continue N.01°43'30”W., along said West line of Section 20, a distance of 2547.72 feet to a concrete monument at the Northwest corner of the aforementioned South 1/2 of Section 20; thence run N.89°48'16”E., along the North line of said South 1/2, a distance of 4989.78 feet to a concrete monument at the intersection of said North line with the Westerly right of way line of County Road 235A (100 foot right of way); thence run S.00°14'05”W., along said Westerly right of way line, a distance of 2239.68 feet to a concrete monument at the intersection of said Westerly right of way line with the aforementioned Northerly right of way line of County Road 2054; thence run S.59°24'55”W., along said Northerly right of way line, a distance of 100.58 feet to a concrete monument at the beginning of a curve concave Northwesterly, said curve having a radius of 1869.86 feet; thence run Southwesterly, along said right of way line and with said curve, through an arc angle of 30°23'36", an arc distance of 991.89 feet (chord bearing and distance of S.74°36’43"W., 980.30 feet respectively) to a concrete monument at the end of said curve; thence run S.89°48'31”W., along said Northerly right of way line, a distance of 2591.89 feet to a concrete monument at the intersection of said Northerly right of way line with the East line of the West 1/2 of the Southwest 1/4 of said Section 20; thence run N.01°58'22”W., along said East line, a distance of 243.48 feet to a concrete monument located 300.00 feet North of the South line of said Section 20; thence run N.89°27'14”W., parallel with said South line of Section 20, a distance of 150.00 feet; thence run S.01°58'22”E., parallel with said East line, a distance of 245.42 feet to said Northerly right of way line of County Road 2054; thence run S.89°48’31”W., along said Northerly right of way line, a distance of 1096.30 feet to a steel rod and cap at the beginning of a curve concave Northerly, said curve having a radius of 1869.86 feet; thence run Westerly, along said right of way line and with said curve, through an arc angle of 01°02'35”, an arc distance of 34.04 feet (chord bearing and distance of N.89°40'12”W., 34.04 feet respectively) to the true point of beginning, less and except one acre reserved therein for graveyard, containing a total of 285.031 acres more or less.

Said one acre reserved for graveyard being more particularly described as follows:
Commence at the Southwest corner of the aforementioned Section 20 for a point of reference and run N.01°43'30"W., along the West line of said Section 20, a distance of 2588.04 feet to a concrete monument at the Northwest corner of the aforementioned South 1/2 of Section 20; thence run N.89°48'16”E., along the North line of said South 1/2, a distance of 4989.78 feet to a concrete monument at the intersection of said North line with the Westerly right of way line of County Road 235A (100 foot right of way); thence run S.00°14'05”W., along said Westerly right of way line, a distance of 501.38 feet; thence run N.89°45'54”W., a distance of 405.49 feet to a steel rod and cap at the true point of beginning of graveyard parcel; thence run S.00°14'06”W., a distance of 208.71 feet to a steel rod and cap; thence run N.89°45'54”W., a distance of 208.71 feet to a steel rod and cap; thence run N.00°14'06”E., a distance of 208.71 feet to a steel rod and cap; thence run S.89°45'54”E., a distance of 208.71 feet to the true point of beginning, containing 1.000 acres more or less.

AND BEING the same property conveyed to Waco, Inc., qualified to do business in Florida as Waco of Alabama, Inc., an Alabama corporation from International Business Machines Corporation, a New York corporation by Special Warranty Deed dated November 10, 1997 and recorded November 18, 1997 in Deed Book 2140, Page 1837.; said Waco, Inc, an Alabama corporation merged into Wade Alabama Corporation, a Florida corporation; and said Waco of Alabama, Inc, an Alabama corporation merged into Wade Alabama Corporation, an Alabama corporation, and said Wade Alabama

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EXHIBIT "A"
Legal Description

Corporation, an Alabama corporation changed its name to Waco of Alabama, Inc., a Florida corporation, and said Waco of Alabama, Inc, a Florida corporation changed its name to Waco Properties, Inc, a Florida corporation.

Tax Parcel No. 03894-000-000

Parcel 2:

The Southeast Quarter (SE 1/4) of the Northeast Quarter (NE 1/4) in Section 20, Township 8 South, Range 18 East, Alachua County, Florida. LESS road right-of-way as per deed recorded in Official Records Book 103, Page 432 of the Public Records of Alachua County, Florida. ALSO LESS the North 40 feet for County Road right-of-way per Official Records Book 880, Page 168, Public Records of Alachua County, Florida.

AND BEING the same property conveyed to Gary D. Brown, as Trustee of the Gary D. Brown Revocable Trust dated January 23, 2004, as to an undivided 25% interest and Linda Weidner, as to an undivided 25% interest and Joanne Alspaugh, as to an undivided 25% interest; and Henderson Brothers, Inc., as to an undivided 25% interest, as tenants in common from William R. Sabis by Warranty Deed dated May 17, 2005 and recorded May 27, 2005 in Deed Book 3133, Page 24.

Tax Parcel No. 03898-000-000

Said interest being over land more particularly described by the following description:

Insert metes and bounds description of area

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SCHEDULE B, PART I
REQUIREMENTS

All of the following Requirements must be met:

1. The Proposed Insured must notify the Company in writing of the name of any party not referred to in this Commitment who will obtain an interest in the Land or who will make a loan on the Land. The Company may then make additional Requirements or Exceptions.

2. Pay the agreed amount for the estate or interest to be insured.

3. Pay the premiums, fees, and charges for the Policy to the Company.

4. Documents satisfactory to the Company that convey the Title or create the Mortgage to be insured, or both, must be properly authorized, executed, delivered, and recorded in the Public Records.

5. The Company must be provided with the executed Owner's Affidavit and Agreement relating to, among other items, bankruptcy, mechanics' liens, and parties in possession.

6. Instrument(s) satisfactory to create the estate or interest to be insured must be properly executed (see Document(s) Requirement Note below), delivered and duly filed for record, including any Recorder of Deeds' or Clerks' required Cover Sheets, Affidavits or Forms:

   A. Memorandum of Lease from Waco Properties, Inc, a Florida corporation, (As to Parcel 1) and Gary D. Brown, as Trustee of the Gary D. Brown Revocable Trust dated January 23, 2004; Linda Weidner; Joanne Alspaugh and Henderson Brothers, Inc., as tenants in common, (As to Parcel 2) to Pleasant Solar LLC, a Florida limited liability company.

   i. Each document submitted for recording must be executed before an FNF approved Notary for acknowledgement. Properly completed and executed attached Affidavit of Notary will be sufficient evidence of compliance with FNF approved Notary requirement.
   ii. Each document involving an entity as a party, must include a statement of the state of formation for the entity and must correctly recite any mergers, name changes, fictitious names or erroneous names appearing in the title to clarify the record.
   iii. Power of Attorney ("POA") - We will not accept documents signed by an agent without prior review and approval by this office. Additional requirements will be added upon approval of a POA.
   iv. Each document received by this office for recording must be dated and executed no more than five (5) days before we receive it. In some cases a document received by our office more than five (5) days after execution, may be subject to fines or additional fees imposed by the Clerk's office. FNF-SMS is not responsible for payment or fronting of any fine or fee for tardy submission of a document and we may hold such document until we receive funds sufficient to cover the cost of recording plus the fine or fee.

7. The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance by the corporation named below:

   Name of Corporation: Waco Properties, Inc, a Florida corporation

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SCHEDULE B, PART I
REQUIREMENTS
(continued)

a) A Copy of the corporation By-laws and Articles of Incorporation

b) An original or certified copy of a resolution authorizing the transaction contemplated herein

c) If the Articles and/or By-laws require approval by a 'parent' organization, a copy of the Articles and By-laws of the parent

d) A current dated certificate of good standing from the proper governmental authority of the state in which the entity was created

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

8. Marital status of individuals needs to be disclosed and for a married individual, or more than one individual not married to one another, the following must be complied with {document must recite marital status in spousal/homestead state}: Non-vested spouse must sign if property in:
AK, AZ, AR, CA, IA, KS, KY, LA, MN, MO, NC, NE, NV, NH, NM, OH, OK, PA (only if pending divorce or action involving equitable distribution), SD, TN, UT, WA, or WY; or
Non-vested spouse must sign if property is homestead property and in:
AL, CO, FL, ID, IL, MA, MI, MS, MT, NJ (referred to as "joint possession of the principal matrimonial residence"), ND, TX (non-vested spouse must sign Homestead Affidavit or insured document), VT or WI (unless purchase money mortgage); or
Non-vested spouse not required to transfer to a bona fide purchaser if property in:
CT, DE, DC, GA, HI, IN, ME, MD, NY, OR, RI, SC, VA, or WV.

9. For Gary D. Brown, as Trustee of the Gary D. Brown Revocable Trust (hereinafter referred to as Trust):
A. The Company must be provided with evidence that the Trustees have full and complete power and authority to sell or encumber described property pursuant to and in accordance with the terms and provisions of the Trust Agreement under which title is held and vested and further that all provisions of the Trust have been complied with concerning the transaction and there is no violation of any of the provisions thereof.
B. In order to satisfy our requirements we require a current copy of Trust Agreement(s) and all amendments, or a current Certification of Trustee(s) preapproved by Company.

10. The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance by the corporation named below:

Name of Corporation: Henderson Brothers, Inc.

a) A Copy of the corporation By-laws and Articles of Incorporation

b) An original or certified copy of a resolution authorizing the transaction contemplated herein

c) If the Articles and/or By-laws require approval by a 'parent' organization, a copy of the Articles and By-laws of the parent

d) A current dated certificate of good standing from the proper governmental authority of the state in which the

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SCHEDULE B, PART I
REQUIREMENTS
(continued)

entity was created

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

11. The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance from the entity named below.

Limited Liability Company: Pleasant Solar LLC, a Florida limited liability company

a. A copy of its operating agreement, if any, and any and all amendments, supplements and/or modifications thereto, certified by the appropriate manager or member.

b. If a domestic Limited Liability Company, a copy of its Articles of Organization and all amendment thereto with the appropriate filing stamps.

c. If the Limited Liability Company is member-managed a full and complete current list of members certified by the appropriate manager or member.

d. A current dated certificate of good standing from the proper governmental authority of the state in which the entity was created

e. If less than all members, or managers, as appropriate, will be executing the closing documents, furnish evidence of the authority of those signing.

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

12. The actual value of the estate or interest to be insured must be disclosed to the Company, and subject to approval by the Company, entered as the amount of the policy to be issued. Until the amount of the policy to be issued shall be determined, and entered as aforesaid, it is agreed that as between the Company, the applicant for this Company, and every person relying on this Commitment, the Company cannot be required to approve any such evaluation in excess of $100,000.00 and the total liability of the Company on account of this Commitment shall not exceed said amount.

END OF REQUIREMENTS

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SCHEDULE B, PART I
(continued)

NOTES

Note A: The Company must be furnished proof of payment of all real property taxes and assessments that are due and payable.
Type of Tax: County
For the period: 2021
In the amount of: $2,008.74 annually
Tax parcel ID #: 03894-000-000 (Parcel 1)
Paid through: 2021
Total Assessment: $89,667.00
Any tax delinquencies noted above must be paid at closing, plus penalties and interest.

Note B: The Company must be furnished proof of payment of all real property taxes and assessments that are due and payable.
Type of Tax: County
For the period: 2021
In the amount of: $207.41 annually
Tax parcel ID #: 03898-000-000 (Parcel 2)
Paid through: 2021
Total Assessment: $9,800.00
Any tax delinquencies noted above must be paid at closing, plus penalties and interest.

Note C: Notice: Please be aware that due to the conflict between federal and state laws concerning the cultivation, distribution, manufacture or sale of marijuana, the Company is not able to close or insure any transaction involving Land that is associated with these activities.

Note D: For transactions this office is not acting as closing agent please send the recording package, instructions, and all documents related to the herein described transaction to the following mailing address within 24 hours prior to the anticipated closing date:

Attn: Post-Closing Department
Strategic Market Services
Fidelity National Title Insurance Company
7130 Glen Forest Drive, Suite 300
Richmond, VA 23226
Email: SMS-PostClosing@fnf.com

END OF SCHEDULE B, PART I

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SCHEDULE B, PART II
EXCEPTIONS

THIS COMMITMENT DOES NOT REPUBLISH ANY COVENANT, CONDITION, RESTRICTION, OR LIMITATION CONTAINED IN ANY DOCUMENT REFERRED TO IN THIS COMMITMENT TO THE EXTENT THAT THE SPECIFIC COVENANT, CONDITION, RESTRICTION, OR LIMITATION VIOLATES STATE OR FEDERAL LAW BASED ON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, GENDER IDENTITY, HANDICAP, FAMILIAL STATUS, OR NATIONAL ORIGIN.

The Policy will not insure against loss or damage resulting from the terms and provisions of any lease or easement identified in Schedule A, and will include the following Exceptions unless cleared to the satisfaction of the Company:

CLICK HERE TO ACCESS DOCUMENT IMAGES

General Exceptions:

1. Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date on which all of the Schedule B, Part I—Requirements are met.

2. Rights or claims of parties in possession not shown by the Public Records.

3. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the title that would be disclosed by an accurate and complete land survey of the Land.

4. Easements, or claims of easements, not shown by the Public Records.

5. Any lien, or right to a lien, for services, labor, or material heretofore or hereafter furnished, imposed by law and not shown by the Public Records.

6. Taxes or special assessments which are not shown as existing liens by the Public Records.

   NOTE: Upon receipt of satisfactory Owner/Seller Affidavit Schedule B - Section II Items 2, 4, 5 and 6 will be deleted from final policy, and Item 3 will be deleted upon receipt of satisfactory ALTA/NSPS Survey. Item 1 will be deleted from final policy upon receipt of all requirements and a satisfactory title update.

Special Exceptions:

7. Taxes for the year 2022 and subsequent years, a lien not yet due and payable. (As to Parcel 1 and Parcel 2)

8. Easement in favor of State of Florida, recorded on October 17, 1960 in Deed Book 114, Page 427. (As to Parcel 1)

9. 80 foot wide strip of land conveyed in Warranty Deed from W. D. Pope, Jr. and James A. Lewis to Alachua County, recorded on October 14, 1977 in Deed Book 1096, Page 575. (As to Parcel 1)

10. Mineral Deed to W. H. Wellborn and Hillary Wellborn, dated November 21, 1996 and recorded January 6, 1997 in Deed Book 2094, Page 476. (As to Parcel 1)

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SCHEDULE B, PART II
(continued)

11. Right-of-Way Easement in favor of Clay Electric Cooperative, Inc., a Florida corporation set forth in instrument recorded on February 23, 2000 in Deed Book 2277, Page 757. (As to Parcel 1)

12. Unrecorded Right of Way Easement in favor of Clay Electric Cooperative, Inc. dated May 17, 1955; Partial Release of Easement, recorded on February 23, 2000 in Deed Book 2277, Page 760. (As to Parcel 2)

13. Drainage Easement in favor of State of Florida set forth in instrument recorded on July 12, 1960 in Deed Book 103, Page 414. (As to Parcel 2)

14. Easement in favor of State of Florida, recorded on July 12, 1960 in Deed Book 103, Page 432. (As to Parcel 2)

15. Right of Way, 100 feet in width, in favor of International Business Machines Corporation, a New York corporation set forth in instrument recorded on May 15, 1981 in Deed Book 1346, Page 680. (as to Parcel 1)

16. Rights, easements, limitation of access, rights of others both public and private (if any) in and to any railroad tracts, railroad switches, sidetracks, spur tracks, and right of way, including appurtenances thereto, located upon premises described herein; any reversionary rights contained in the original grant to the railroad; and failure of transfer of property from a railroad. (As to both Parcel 1 and Parcel 2)

17. a. Title to no portion of the Land constituting or used as burial grounds is insured.
b. Easement rights of all persons for ingress and egress to any burial grounds located on the Land, together with the rights of maintenance of such burial grounds, set forth in section 704.08, Florida Statutes.
c. Regulation by the State of Florida of burial mounds and unmarked human burials under chapter 872, Florida Statutes, and of historical resources under chapter 267, Florida Statutes.

(As to both Parcel 1 and Parcel 2)

18. Reservation of one acre in NE 1/4 of SW 1/4 and N 1/2 of SE 1/4 of Section 20-8-18 for Cathgart Graveyard, recorded in Deed Book 68, Page 632, of the public records of Alachua Couny, Florida. (As to Parcel 1)

19. Mineral Right and Royalty Transfer of undivided one-half interest by J.H. Davis and Allie L. Davis, his wife, to W. R. Mosely, dated September 13, 1944, recorded in Miscellaneous Book 32, page 94, of the public records of Alachua County, Florida. (As to Parcel 1)

END OF SCHEDULE B, PART II

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COMMITMENT CONDITIONS

1. DEFINITIONS

(a) "Knowledge" or "Known": Actual or imputed knowledge, but not constructive notice imparted by the Public Records.

(b) "Land": The land described in Schedule A and affixed improvements that by law constitute real property. The term "Land" does not include any property beyond the lines of the area described in Schedule A, nor any right, title, interest, estate, or easement in abutting streets, roads, avenues, alleys, lanes, ways, or waterways, but this does not modify or limit the extent that a right of access to and from the Land is to be insured by the Policy.

(c) "Mortgage": A mortgage, deed of trust, or other security instrument, including one evidenced by electronic means authorized by law.

(d) "Policy": Each contract of title insurance, in a form adopted by the American Land Title Association, issued or to be issued by the Company pursuant to this Commitment.

(e) "Proposed Insured": Each person identified in Schedule A as the Proposed Insured of each Policy to be issued pursuant to this Commitment.

(f) "Proposed Policy Amount": Each dollar amount specified in Schedule A as the Proposed Policy Amount of each Policy to be issued pursuant to this Commitment.

(g) "Public Records": Records established under state statutes at the Commitment Date for the purpose of imparting constructive notice of matters relating to real property to purchasers for value and without Knowledge.

(h) "Title": The estate or interest described in Schedule A.

2. If all of the Schedule B, Part I-Requirements have not been met within the time period specified in the Commitment to Issue Policy, this Commitment terminates and the Company's liability and obligation end.

3. The Company's liability and obligation is limited by and this Commitment is not valid without:

(a) the Notice;

(b) the Commitment to Issue Policy;

(c) the Commitment Conditions;

(d) Schedule A;

(e) Schedule B, Part I-Requirements;

(f) Schedule B, Part II-Exceptions; and

(g) a counter-signature by the Company or its issuing agent that may be in electronic form.

4. COMPANY'S RIGHT TO AMEND

The Company may amend this Commitment at any time. If the Company amends this Commitment to add a defect, lien, encumbrance, adverse claim, or other matter recorded in the Public Records prior to the Commitment Date, any liability of the Company is limited by Commitment Condition 5. The Company shall not be liable for any other amendment to this Commitment.

5. LIMITATIONS OF LIABILITY

(a) The Company's liability under Commitment Condition 4 is limited to the Proposed Insured's actual expense incurred in the interval between the Company's delivery to the Proposed Insured of the Commitment and the delivery of the amended Commitment, resulting from the Proposed Insured's good faith reliance to:

(i) comply with the Schedule B, Part I-Requirements;

(ii) eliminate, with the Company's written consent, any Schedule B, Part II-Exceptions; or

(iii) acquire the Title or create the Mortgage covered by this Commitment.

(b) The Company shall not be liable under Commitment Condition 5(a) if the Proposed Insured requested the amendment or had Knowledge of the matter and did not notify the Company about it in writing.

(c) The Company will only have liability under Commitment Condition 4 if the Proposed Insured would not have incurred the expense had the Commitment included the added matter when the Commitment was first delivered to the Proposed Insured.

(d) The Company's liability shall not exceed the lesser of the Proposed Insured's actual expense incurred in good faith and described in Commitment Conditions 5(a)(i) through 5(a)(iii) or the Proposed Policy Amount.

(e) The Company shall not be liable for the content of the Transaction Identification Data, if any.

(f) In no event shall the Company be obligated to issue the Policy referred to in this Commitment unless all of the Schedule B, Part I-Requirements have been met to the satisfaction of the Company.

(g) In any event, the Company's liability is limited by the terms and provisions of the Policy.

6. LIABILITY OF THE COMPANY MUST BE BASED ON THIS COMMITMENT

(a) Only a Proposed Insured identified in Schedule A, and no other person, may make a claim under this Commitment.

(b) Any claim must be based in contract and must be restricted solely to the terms and provisions of this Commitment.

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(continued)

(c) Until the Policy is issued, this Commitment, as last revised, is the exclusive and entire agreement between the parties with respect to the subject matter of this Commitment and supersedes all prior commitment negotiations, representations, and proposals of any kind, whether written or oral, express or implied, relating to the subject matter of this Commitment.

(d) The deletion or modification of any Schedule B, Part II-Exception does not constitute an agreement or obligation to provide coverage beyond the terms and provisions of this Commitment or the Policy.

(e) Any amendment or endorsement to this Commitment must be in writing and authenticated by a person authorized by the Company.

(f) When the Policy is issued, all liability and obligation under this Commitment will end and the Company's only liability will be under the Policy.

7. IF THIS COMMITMENT HAS BEEN ISSUED BY AN ISSUING AGENT

The issuing agent is the Company's agent only for the limited purpose of issuing title insurance commitments and policies. The issuing agent is not the Company's agent for the purpose of providing closing or settlement services.

8. PRO-FORMA POLICY

The Company may provide, at the request of a Proposed Insured, a pro-forma policy illustrating the coverage that the Company may provide. A pro-forma policy neither reflects the status of Title at the time that the pro-forma policy is delivered to a Proposed Insured, nor is it a commitment to insure.

END OF CONDITIONS

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Fidelity National Title

7130 Glen Forest Drive, Suite 300
Richmond, VA 23226
Phone: (866)552-0129
Email: sms-commercial@fnf.com

ADDITIONAL INFORMATION

THIS INFORMATION IS PROVIDED AS A CONVENIENCE AND COURTESY AND IS NOT CONSIDERED TO BE PART OF THE TITLE PRODUCT.

The following real estate tax information deemed reliable and is provided for informational purposes only.

Real Estate Tax Type:	County
Taxes are Paid:	Annual
Due Date(s):	March 31 (See Note)
Tax Authority Name:	Alachua County Tax Collector
Phone:	352-374-5236

Additional notes regarding taxes, documents and/or special recordation requirements:

·Taxes due November 1st, delinquent after March 1st

FIDELITY NATIONAL FINANCIAL
PRIVACY NOTICE

Effective January 1, 2021

Fidelity National Financial, Inc. and its majority-owned subsidiary companies (collectively, "FNF," "our," or "we") respect and are committed to protecting your privacy. This Privacy Notice explains how we collect, use, and protect personal information, when and to whom we disclose such information, and the choices you have about the use and disclosure of that information.

A limited number of FNF subsidiaries have their own privacy notices. If a subsidiary has its own privacy notice, the privacy notice will be available on the subsidiary's website and this Privacy Notice does not apply.

Collection of Personal Information

FNF may collect the following categories of Personal Information:

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- demographic information (*e.g.*, date of birth, gender, marital status);
- identity information (*e.g.* Social Security Number, driver's license, passport, or other government ID number);
- financial account information (*e.g.* loan or bank account information); and
- other personal information necessary to provide products or services to you.

We may collect Personal Information about you from:

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- information about your transactions with FNF, our affiliates, or others; and
- information we receive from consumer reporting agencies and/or governmental entities, either directly from these entities or through others.

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- Internet Protocol (IP) address and operating system;
- browser version, language, and type;
- domain name system requests; and
- browsing history on the FNF Website, such as date and time of your visit to the FNF Website and visits to the pages within the FNF Website.

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- To provide products and services to you or in connection with a transaction involving you.
- To improve our products and services.
- To communicate with you about our, our affiliates', and others' products and services, jointly or independently.

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We may disclose your Personal Information and Browsing Information in the following circumstances:

- to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure;
- to nonaffiliated service providers who provide or perform services or functions on our behalf and who agree to use the information only to provide such services or functions;
- to nonaffiliated third party service providers with whom we perform joint marketing, pursuant to an agreement with them to jointly market financial products or services to you;
- to law enforcement or authorities in connection with an investigation, or in response to a subpoena or court order; or
- in the good-faith belief that such disclosure is necessary to comply with legal process or applicable laws, or to protect the rights, property, or safety of FNF, its customers, or the public.

The law does not require your prior authorization and does not allow you to restrict the disclosures described above. Additionally, we may disclose your information to third parties for whom you have given us authorization or consent to make such disclosure. We do not otherwise share your Personal Information or Browsing Information with nonaffiliated third parties, except as required or permitted by law. We may share your Personal Information with affiliates (other companies owned by FNF) to directly market to you. Please see "Choices with Your Information" to learn how to restrict that sharing.

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Security of Your Information

We maintain physical, electronic, and procedural safeguards to protect your Personal Information.

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Fidelity National Financial, Inc.
601 Riverside Avenue,
Jacksonville, Florida 32204
Attn: Chief Privacy Officer

WIRE SAFE™ | Inquire before you wire!

WIRE FRAUD ALERT

This Notice is not intended to provide legal or professional advice.
If you have any questions, please consult with a lawyer.

All parties to a real estate transaction are targets for wire fraud and many have lost hundreds of thousands of dollars because they simply relied on the wire instructions received via email, without further verification. **If funds are to be wired in conjunction with this real estate transaction, we strongly recommend verbal verification of wire instructions through a known, trusted phone number prior to sending funds.**

In addition, the following non-exclusive self-protection strategies are recommended to minimize exposure to possible wire fraud.

- **NEVER RELY** on emails purporting to change wire instructions. Parties to a transaction rarely change wire instructions in the course of a transaction.
- **ALWAYS VERIFY** wire instructions, specifically the ABA routing number and account number, by calling the party who sent the instructions to you. DO NOT use the phone number provided in the email containing the instructions, use phone numbers you have called before or can otherwise verify. **Obtain the number of relevant parties to the transaction as soon as an escrow account is opened.** DO NOT send an email to verify as the email address may be incorrect or the email may be intercepted by the fraudster.
- **USE COMPLEX EMAIL PASSWORDS** that employ a combination of mixed case, numbers, and symbols. Make your passwords greater than eight (8) characters. Also, change your password often and do NOT reuse the same password for other online accounts.
- **USE MULTI-FACTOR AUTHENTICATION** for email accounts. Your email provider or IT staff may have specific instructions on how to implement this feature.

For more information on wire-fraud scams or to report an incident, please refer to the following links:

Federal Bureau of Investigation:
http://www.fbi.gov

Internet Crime Complaint Center:
http://www.ic3.gov

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To:	Kathy Winburn, AICP, City of Alachua Planning & Community Dev. Director
From:	Danika Oliverio, Project Manager
Date:	March 7, 2023 – Resubmitted May 2, 2024
RE:	Pleasant Solar LLC – Comprehensive Plan Consistency Analysis

This Comprehensive Plan Consistency Analysis is submitted in support of the site plan application for Pleasant Solar LLC in Alachua. The proposed use is a solar energy collection and storage facility. The site is ±321.49 acres and includes Alachua County Tax Parcels 03894-000-000 and 03898-000-000. The development area is located at 17910 Peggy Road (north of Peggy Rd/CR 2054), and on the west side of NW 173rd Street/CR 235A. The site's Future Land Use (FLU) categories are Agriculture (A) and Moderate Density Residential (MOD). The Zoning District classifications are Agricultural (A) and Residential District (RSF-4).

The following identifies specific **City of Alachua Comprehensive Plan Goals, Objectives, and Policies** and explains how this application is consistent with each. Comprehensive Plan text is provided in normal font, while consistency statements are provided in **bold**.

FUTURE LAND USE ELEMENT

Policy 2.4.b Landscaping: Buffering – A buffer consists of horizontal space (land) and vertical elements (plants, berms, fences, walls) that physically separate and visually screen adjacent uses. The City shall establish buffer yard requirements that are based on the compatibility of the adjacent uses and the desired result of the buffer.

Landscape buffers are provided per City of Alachua Land Development Regulations (LDRs) and shown on the Landscape Plan submitted with this application. Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001 is included with this application.

All landscape buffers are provided within a 100' setback from the property line around the project perimeter, defined by a black vinyl-coated chain link fence around the solar array and a 25' fire break/maintenance path. The north, west, and southwest buffers are provided by a 15' wide area of preserved existing vegetation and proposed landscape plantings. The northeast and east buffers are provided by a 15' landscape buffer. A 15' buffer is provided around the southern boundary outcrop and a 5' buffer along the remaining southern perimeter. There is a 10' wide landscape buffer surrounding the small, family cemetery plot that is internal to the southern parcel (as shown on the Landscape Section in the approved Alternative Landscape Plan Determination #PSP23-0011 and PSE23-0001).

Policy 2.5 a: There shall be a minimum of 10% open space required. The City shall establish incentives for the provision of open space beyond minimum requirements.

The proposed solar collection and storage facility site plan provides ±11% of open space, exceeding the 10% open space requirement. A Landscape Plan showing this information has been submitted with this application.

Policy 5.1.a Topography: The City shall protect the natural topography of the City, including steep and seepage slopes, by requiring new development to include techniques to minimize negative impacts on the natural terrain. An emphasis will be placed on retaining the natural function of seepage slopes during development. Additionally, retention of existing native vegetation will be encouraged as one method of protecting slopes.

The natural drainage pattern of the site will be maintained and there will be minimal grading onsite. Along with the perimeter fence and landscape buffering, the natural slope of the property will further obscure views of the solar panels from CR 235A and adjacent properties. *The geotechnical summary report by GSE has been submitted with this application.*

Policy 5.1.d Wetlands: The City shall utilize statewide wetland delineation methodology in accordance with Florida Administrative Code (FAC) and regulations adopted by the FDEP and the Suwannee River Water Management District.

The application complies with State and Federal laws and regulations for delineation and protection of wetland areas. The wetland is protected with a 50' setback, and the natural depressional areas are protected with a 100' setback. *The geotechnical summary report by GSE has been submitted with this application. The Wetland Delineation Report has been submitted with this application.*

COMMUNITY FACILITIES ELEMENT

Objective 3.5: Stormwater System Design in High Aquifer Recharge Areas
The City shall work with the Suwanee River Water Management District and the FL Dept of Environmental Protection criteria for karst stormwater management system design.

Policy 3.5.a: The following general requirement apply to stormwater management systems within high aquifer recharge areas:

1. Stormwater shall not be directly discharged to active sinkholes;

Natural stormwater sheet flow will be maintained to the existing depression.

2. When soil and water table conditions allow, the use of offline retention systems for stormwater systems shall be required;

The goal of the stormwater treatment plan on this project is to maintain natural drainage patterns; therefore no offline retention systems are proposed.

3. Swale conveyances shall be used to the greatest extent possible and contextually appropriate;

The goal of the stormwater treatment plan on this project is to maintain natural drainage patterns. The majority of the site will remain at natural grade and some areas will be minimally graded. Two basins with swales are proposed in the areas with minimal grading.

4. Projects in areas zoned for industrial land uses shall not discharge industrial pollutants into the stormwater system or allow permit pollutants to come in contact with groundwater;

No industrial uses are proposed on the site. Solar panels are completely sealed. Routine inspection of the facility, including the solar modules, by an Operations & Management provider will occur and in the rare event of panel damage, the modules will be replaced and recycled as needed.

5. Natural depressions may be used for stormwater management only when hydrogeological evidence shows that the geologic structure and soils are stable and unlikely to form a direct connection to the groundwater. To verify geologic stability, the design professional shall provide soil boring information and/or supplemental data such as ground penetrating radar.

Hydrogeological stability is addressed in the geotechnical review, and soil borings are included in the data. Refer to the geotechnical report by GSE, which has been submitted with this application.

6. If the hydrogeological conditions are suitable and a natural depression is proposed for use as part of the stormwater management system, a spreader swale shall be employed at the inflow location;

No point discharges to the existing depression are proposed. Natural sheet flow condition will be preserved.

7. Regular inspection shall be conducted by developer/maintenance entity to visibly check for the indicators of or the existence of solution pipes; and

Inspections will be conducted as described in the Stormwater Operations and Maintenance document. Refer to the Stormwater Report for detailed information.

8. Remedial plugging activities shall employ methodologies acceptable to the applicable regulatory agency (the FL Dept of Environmental Protection or the Suwannee River WMD).

Remedial plugging activities, if required, shall meet the requirements and best practices of the Florida Department of Environmental Protection (FDEP) and Suwannee River Water Management District (SRWMD).

Policy 3.5.c. In addition to the requirements of Policy 3.5.a., stormwater systems in high aquifer recharge areas shall:

1. Use swales, preferably with cross block or raised driveway culverts, to promote retention/infiltration within swales; and

Natural sheet flow and drainage patterns on the site will be maintained.

2. Use shallow, vegetated, offline infiltration systems that are incorporated into a project's open space/landscaping areas.

No offline retention systems are proposed; the stormwater design will maintain natural drainage patterns.

CONSERVATION AND OPEN SPACE ELEMENT

Policy 1.2.j. The City shall require all new developments to maintain internal and external connectivity of all open space to the maximum extent practicable.

The ±11% open space set-aside exceeds the 10% requirement for the site. The project proposes to retain the existing wooded vegetation within the buffer areas of the 100 foot setback around the site's external perimeter. The majority of this existing wooded area stretches from the southwest, along the western boundary, and across the northern property line for a length of over 10,000 feet.

As shown on the Site Plan, the majority of the open space is located in the buffers. The open space area around the perimeter of the solar array will not be disturbed, affected by grading activities, and will remain natural and traversable for wildlife. Refer to the Memorandum "Pleasant Solar Perimeter Fencing and Wildlife Corridor" prepared by CHW Ecological Services for more information.

The open space area surrounding the existing natural depression is proposed to remain within the fenced area of the site for safety. The internal area of the site within the fence will be comprised of solar collection equipment and will be unmanned and remotely monitored. No parking areas or facilities will be provided. To provide safety for the public, the internal solar array areas of the site will be fully fenced. The land underneath the solar array area will be seeded with pollinator friendly plant species to increase biodiversity and benefit pollinating invertebrates.

Policy 1.8.a. The City shall comply with the Alachua County Hazardous Materials Management Code.

The purpose of the Alachua County Hazardous Material Management Code is to regulate and provide standards for storage, handling, and monitoring of hazardous materials to prevent discharges to the environment.

Solar panels are not addressed in the Alachua County Hazardous Materials Management Code. Federal and state solid and hazardous waste regulations may apply to solar panels only at the point that they are removed from service and/or must be discarded. Therefore, no monitoring is required.

Policy 1.10.a: The City shall utilize statewide wetland delineation methodology in accordance with Florida Administrative Code and regulations adopted by the DEP and the Suwannee River Water Management District.

An environmental analysis was conducted for the site. One wetland and three depressional areas were identified. A Site Plan (submitted with this application) has been designed to protect these areas with a 50' setback around the wetland area, and 100' setbacks around the depressional areas. *The geotechnical summary report by GSE has been submitted with this application. The Wetland Delineation Report and Sinkhole Survey have been submitted with this application.*

Objective 1.13 Energy Conservation. The City shall encourage and promote the conservation of energy resources to reduce negative impacts to the environment.

Solar energy use supports the City's objective to conserve energy resources and reduce negative impacts to the environment. This proposed solar energy collection and storage facility will provide the City of Alachua and surrounding areas with an additional source of renewable energy.

To:	Kathy Winburn, AICP, City of Alachua Planning & Community Dev. Director
From:	Danika Oliverio, Project Manager
Date:	March 7, 2024 – Resubmitted May 2, 2024
RE:	Pleasant Solar LLC – Concurrency Impact Analysis

This Concurrency Impact Analysis is submitted in support of the site plan application for the Pleasant Solar LLC in Alachua. The proposed use is a solar energy collection and storage facility. The site is ±321.49 acres and includes Alachua County Tax Parcels 03894-000-000 and 03898-000-000. The development area is located at 17910 Peggy Road (north of Peggy Rd/CR 2054), and on the west side of NW 173rd Street/CR 235A. The site's Future Land Use (FLU) categories are Agriculture (A) and Moderate Density Residential (MOD). The Zoning District classifications are Agricultural (A) and Residential District (RSF-4).

The following analysis estimates potential impacts on City of Alachua public facilities that may result from the proposed development.

Roadways / Transportation

Table 1: Projected Trip Generation

Variable Type	Variable Size	Daily	AM Peak			PM Peak		
		Total	Total	In	Out	Total	In	Out
KSF GLA	1	1	0	0	0	0	0	0

NOTE: The Solar Facility will be unmanned and monitored remotely. There will be a maintenance visit once or twice monthly.

Conclusion: Approval of this application may generate up to **1 daily vehicle trip**. Thus, the proposed development will not negatively impact the adopted LOS for adjacent and nearby roadways, as demonstrated in Tables 2 of this report.

Per City LDR §2.4.14(H)(2), affected roadways for developments generating *less* than 1,000 external average daily trips (ADT) are those within one-half mile of the development's ingress/egress, or to the nearest intersecting major street, whichever is greater. Table 2 calculates projected impacts on City of Alachua roadways.

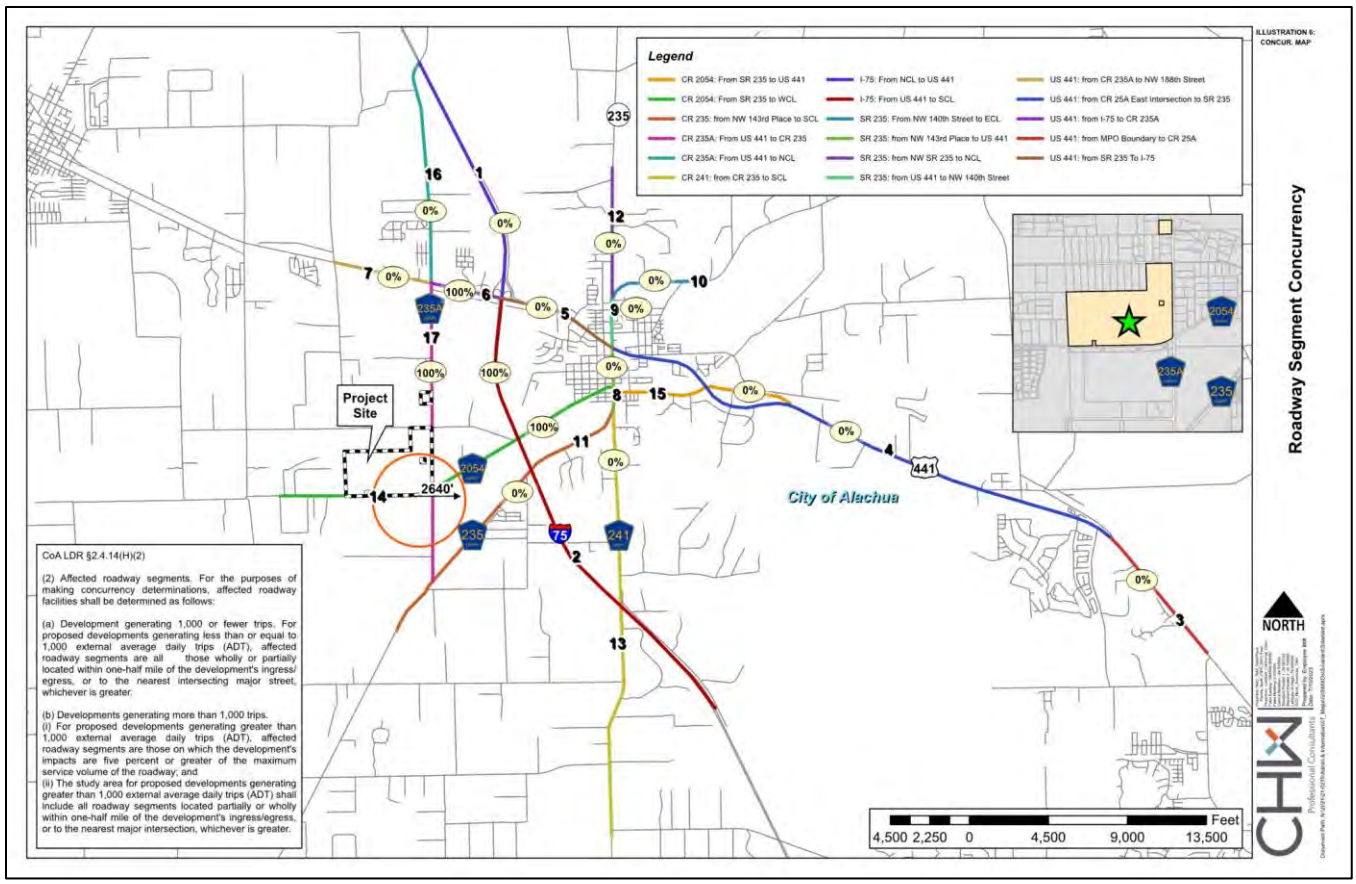

Figure 1: Traffic Segment Map

Table 2a: Projected Impacts on Roadway Segments 14 and 17

Traffic System Category	AADT	PM	AADT	PM
	Segment 14		Segment 17	
	CR 2054 - From SR 235 to West City Limit		CR 235A – From US 441 To CR 235	
Maximum Service Volume[1]	15,120	1,359	15,120	1,359
Existing Traffic[1]	2,498	237	5,302	504
Reserved Trips[1]	0	0	0	0
Available Capacity	12,622	1,122	9,671	838
Projected Trip Generation[2]	1	0	1	0
Available Capacity w/ Application approval	**12,621**	**1,122**	**9,670**	**838**

1. *Source: City of Alachua June 2023 Development Monitoring Report*
2. *NOTE: Projected trip distribution percentage is as follows:*
    a. *Segment 14 and 17: 100%*

Table 2b: Projected Impacts on Roadway Segments 2 and 6

Traffic System Category	AADT	PM	AADT	PM
	Segment 2		Segment 6	
	I-75, From US 441 to the South City Limit		US Hwy 441 – From I-75 to CR 235A	
Maximum Service Volume[1]	91,600	8,250	39,000	3,510
Existing Traffic[1]	67,958	7,136	27,914	2,652
Reserved Trips[1]	0	0	0	0
Available Capacity	23,257	1,076	8,089	606
Projected Trip Generation[2]	1	0	1	0
Available Capacity w/ Application approval	**23,256**	**1,076**	**8,088**	**606**

1. *Source: City of Alachua June 2023 Development Monitoring Report*
2. *NOTE: Projected trip distribution percentage is as follows:*
    a. *Segment 2 and 6: 100%*

Conclusion: Affected roadway segments include Segments 2, 6, 14, and 17. There is available capacity with this application's approval. Therefore, this development *will not* cause the roadway segments to fall below the LOS standards.

Potable Water/Sanitary Sewer

Table 3: Projected Potable Water Impact

System Category	Gallons Per Day (GPD)
Current Permitted Capacity[1]	2,300,000
Less actual Potable Water Flows[1]	1,309,883
Reserved Capacity[1]	295,666
Residual Capacity[1]	613,501
Percentage of Permitted Design Capacity Utilized[1]	73.33%
Projected Potable Water Demand from Proposed Project[2]	0
Residual Capacity after Proposed Project	**613,501**

1. *Source: City of Alachua June 2023 Development Monitoring Report*
2. *Formulas used: (1 gallon per unit up to 200 units [200] + 1 gallon for each 2 units over 200 [128/2])*
    a. *Source: 62-6.008 Florida Administrative Code (FAC)*

*Note: After construction, the landscape plantings will be temporarily irrigated using the **existing on-site well**. Refer to Site Plan & Irrigation Plan for water source information/location.*

Conclusion: There is residual capacity with this application's approval. Therefore, the proposed development *will not* cause the City's potable water facilities to fall below LOS standards.

Table 4: Projected Sanitary Sewer Impact

System Category	Gallons Per Day (GPD)
Treatment Plant Current Permitted Capacity[1]	1,500,000
Less actual Treatment Plant Flows[1]	719,250
Reserved Capacity[1]	278,135
Residual Capacity[1]	502,615
Percentage of Permitted Design Capacity Utilized[1]	66.49%
Projected Potable Water Demand from Proposed Project[2]	0
Residual Capacity after Proposed Project	**502,615**

1. *Source: City of Alachua June 2023 Development Monitoring Report*
2. *Formulas used: (1 gallon per unit up to 200 units [200] + 1 gallon for each 2 units over 200 [128/2])*
    a. *Source : 62-6.008 Florida Administrative Code (FAC)*

Conclusion: There is residual capacity with this application's approval. Therefore, the proposed development will not cause sanitary sewer facilities to fall below LOS standards.

Solid Waste

Table 5: Projected Solid Waste Impact

System Category	LBs Per Day	Tons Per Year
Existing Demand[1]	43,376.00	7,916.12
Reserved Capacity[1]	38,651.26	7,053.85
New River Solid Waste Facility Capacity[1]	50 years	
Solid Waste Generated by Proposed Project[2]		**0**

1. *Source: City of Alachua June 2023 Development Monitoring Report.*
2. *Source: Sincero and Sincero; Environmental Engineering: A Design Approach. Prentice Hall, New Jersey, 1996. Formula used: (((12 lbs. / 1,000 ft^2/day x 56299 sq. ft.) x 365)/2,000)*

Conclusion: There is available capacity with this application's approval. Therefore, the proposed development *will not* cause the City's solid waste facilities to fall below LOS standards.

Mailed Memorandum

NEIGHBORHOOD MEETING NOTIFICATION

PN 21-0275

To: Neighbors of Peggy Road / CR 235A Intersection

From: Craig Brashier, AICP

Date: 13 April 2022

RE: Neighborhood Meeting Public Notice

A Neighborhood Meeting will be held to discuss a Special Exception application and site plan application on ±320 acres in the City of Alachua (Alachua County Tax Parcels # 03894-000-000 and 03898-000-000). The property's Future Land Use classifications are Agriculture and Moderate Density Residential. The property's zoning districts are Agriculture (A) and Residential Single Family (RSF-4).

The site is located generally at the northwestern intersection of Peggy Road and County Road 235A.

The intent of the Special Exception application is to permit a solar energy collection facility, which is considered a "major utility" by City of Alachua Land Development Regulations. Major utilities are permitted in the property's zoning districts by Special Exception, per City of Alachua Land Development Regulations Table 4.1-1.

The solar energy collection facility will be operated by Solariant Capital, LLC. More information about Solariant can be found at their website, https://www.solariantcapital.com/.

Meeting Details:

Date: 27 April 2022

Time: 6:00 PM

Location: CHW Office, 11801 Research Drive, Alachua, FL, 32615

Contact: Craig Brashier, AICP
11801 Research Drive
Alachua, FL 32615
(352) 331-1976
Live@CHW-inc.com

This is not a public hearing. The purpose of the neighborhood meeting is to inform the public about the nature of the proposal and seek their comments.

If you are unable to attend the meeting, please contact CHW using the information above, and we will provide materials after the meeting is held. Comments may also be submitted in writing to the address or email above or by phone at the phone number above.

t: (904) 619-6521 | 8563 Argyle Business Loop, Suite 3, Jacksonville, FL 32244
t: (352) 331-1976 | 11801 Research Drive, Alachua, FL 32615
t: (352) 414-4621 | 101 NE 1st Avenue, Ocala, FL 34470
www.chw-inc.com

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03896-003-001
EMERSON JAMES E & GAIL D
PO BOX 1496
ALACHUA, FL 32616

03896-006-000
HILL MICHAEL ALLEN & YVONNE JO
17756 NW 138TH AVE
ALACHUA, FL 32615

03896-006-004
BLUE BIRD HILL FARM LLC
PO BOX 1496
ALACHUA, FL 32616

03896-013-000
SMITH JUSTIN W & KELLY D
803 CEDAR KNOLL DR NORTH
LAKELAND, FL 33809

03897-000-000
CLAY ELECTRIC CO-OP INC
PO BOX 308
KEYSTONE HEIGHTS, FL 32656

03898-000-000
ALSPAUGH & BROWN TRUSTEE & HEND
% HIMMELRICH AND COMPANY
898 SW 21ST ST
BOCA RATON, FL 33486

03900-010-001
OSWALT LUTHER E TRUSTEE
17705 NW 138TH AVE
ALACHUA, FL 32615

03900-010-002
MIESCH THOMAS C & BARBARA A
130 ARAPAHO TRAIL
CRESTVIEW, FL 32536

03903-001-006
BROWN JAMES RANDALL & KAREN P
13151 NW 173RD ST
ALACHUA, FL 32615

03903-030-001
PARRISH CHRISTOPHER
17127 NW 138TH AVE
ALACHUA, FL 32615

03903-030-002
RIZZO III & RIZZO TRUSTEES
13505 NW 173RD ST
ALACHUA, FL 32615

03903-030-003
PRICE TIMOTHY C
13415 NW 173RD ST
ALACHUA, FL 32615

03903-030-006
DONO DHURATA
13331 NW 173RD ST
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WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
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03894-002-000
CEMETERY
GENERAL DELIVERY
GAINESVILLE, FL 32601

03884-000-000
HORTON MELVIN JAY & LYNN R
19005 NW 138TH AVE
ALACHUA, FL 32615

03886-002-000
SHIVERS JAMES DANIEL TRUSTEE
PO BOX 1034
ALACHUA, FL 32615

03892-002-000
GRAHAM & GRAHAM & ROSEGGER
518 HUNTERS RUN BLVD
LAKELAND, FL 33809

03893-001-000
BLAKE EVELYN
18416 PEGGY RD
ALACHUA, FL 32615

03894-000-000
WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

03894-002-000
CEMETERY
GENERAL DELIVERY
GAINESVILLE, FL 32601

03898-000-000
ALSPAUGH & BROWN TRUSTEE & HENL
% HIMMELRICH AND COMPANY
898 SW 21ST ST
BOCA RATON, FL 33486

03900-010-001
OSWALT LUTHER E TRUSTEE
17705 NW 138TH AVE
ALACHUA, FL 32615

03900-010-002
MIESCH THOMAS C & BARBARA A
130 ARAPAHO TRAIL
CRESTVIEW, FL 32536

03900-010-003
MIESCH THOMAS C & BARBARA A
130 ARAPAHO TRAIL
CRESTVIEW, FL 32536

03900-010-004
PURVIS CHARLES GLENN
14909 NW 107TH TER
ALACHUA, FL 32615

03900-010-005
PURVIS WALLACE RAY JR
1441 PALI HWY
HONOLULU, HI 96813

03900-010-006
HARRINGTON JAMES T III
2600 NW 111 TH ST
MIAMI, FL 33167

03900-010-007
HARRINGTON JAMES T III
2600 NW 111TH ST
MIAMI, FL 33167

03900-010-009
DELGADO & MILLER W/H
18509 NW 138TH AVE
ALACHUA, FL 32615

03900-010-010
DELGADO & MILLER H/W
18509 NW 138TH AVE
ALACHUA, FL 32615

03900-010-011
BATTE JUSTIN & CANDACE LAUREN
434 nw 134th way 2-102
NEWBERRY, FL 32669

03903-001-000
NATION JAMES L & DOROTHY C
PO BOX 352
ALACHUA, FL 32615

03903-001-003
BOGLE TIMOTHY A & JENNIFER ANN
13139 NW 173RD ST
ALACHUA, FL 32615

03903-001-004
ARIFF ROBYN JILL
13207 NW 173RD ST
ALACHUA, FL 32615

03903-001-005
NATION JAMES L & DOROTHY C
PO BOX 352
ALACHUA, FL 32616

03903-001-006
BROWN JAMES RANDALL & KAREN P
13151 NW 173RD ST
ALACHUA, FL 32615

03903-030-003
PRICE TIMOTHY C
13415 NW 173RD ST
ALACHUA, FL 32615

03903-030-006
DONO DHURATA
13331 NW 173RD ST
ALACHUA, FL 32615

03905-002-001
BAUGH SOUTHEAST COOPERATIVE INC
SYSCO CORPORATION
ATTN TAX DEPARTMENT 1390 ENCLAVE
HOUSTON, TX 77077

03983-000-000
WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

03983-002-000
DOLGENCORP LLC
DOLLAR GENERAL # 96800 #1635 , ATTN:
100 MISSION RIDGE
GOODLETTSVILLE, TN 37072

03985-001-000
DOLGENCORP LLC
DOLLAR GENERAL # 96800 #1635 , ATTN:
100 MISSION RIDGE
GOODLETTSVILLE, TN 37072

03985-002-000
WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

03985-032-000
DOLGENCORP LLC
DOLLAR GENERAL # 96800 #1635 , ATTN:
100 MISSION RIDGE
GOODLETTSVILLE, TN 37072

03985-043-000
ROSS & ROSS & ROSS
17327 PEGGY RD
ALACHUA, FL 32615

03986-000-000
WACO PROPERTIES INC
569 EDGEWOOD AVE SOUTH
JACKSONVILLE, FL 32205

Newspaper Advertisement

PUBLIC NOTICE

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The intent of the Special Exception application is to permit a solar energy collection facility, which is considered a "major utility" by City of Alachua Land Development Regulations. Major utilities are permitted in the property's zoning districts by Special Exception.

The site is located generally at the northwestern intersection of Peggy Road and County Road 235A.

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Time: 6:00 pm on April 27, 2022
Location: CHW Office, 11801 Research Drive, Alachua, FL, 32615

Contact: Craig Brashier, AICP
Phone Number: (352) 331-1976
Email: Live@CHW-inc.com

CHW
Professional Consultants

Alimony

Continued from Page 3A

Battle over alimony in Florida has been decades-long

Proponents launched the latest offensive in the decade-long battle three years ago. That's when Marc Johnson formed the Florida Family Fairness Political Committee (FFFPC) to end life-long alimony payments and impose a presumption of equal custody of children.

FFFPC was seeded with $28,000 from the now-defunct Florida Family Law Reform (FFLR) Political Action Committee and another $20,000 from Key West millionaire James Lindstrom. Before disbanding, FFLR also donated to the campaigns of eight lawmakers who voted for SB 1796 and to Gov. Ron DeSantis.

FFFPC spent $46,000 in contributions to lawmakers' campaigns and three other political action committees leading up to the 2020 election. Those three committees contributed to the campaigns of at least another 10 lawmakers who supported SB 1796, including Senate President Wilton Simpson and incoming House Speaker Paul Renner.

Fiveash notes that FFPC shares the same mailing address, telephone number and treasurer or registered agent with a half-dozen other committees that funneled millions of dollars to Republican lawmakers, the Florida House Republican Campaign, and the Florida Republican Party itself.

"They are all the same people: A bunch of wealthy men and their lawyers. Whenever they think they need to clean up their image, they change their name," Fiveash said.

Fiveash describes what she calls an incestuous relationship among the committees that funds a cash pipeline to the Legislature to tilt Florida law toward the interest of men who had dumped their wives as they prepare for retirement.

Four committees connected to FFPC — the Eagle Eye PAC, Florida Conservative Committee, Conservatives for Principled Leadership, and the Conservative Legacy Fund — at a suite of offices opposite the Capitol contributed at least $134,000 to 15 lawmakers and candidates in 2020 and another $1.5 million to committees affiliated with the Republican Party or have a history of supporting GOP candidates.

SB 1796 passed the Senate on a straight party-line vote. It was approved in the House where two Democrats crossed the aisle and voted with Republicans.

Sen. Joe Gruters, R-Sarasota, doubles as the GOP state party chair, and defended the bill he sponsored as a way to provide "consistency and predictability" in divorce proceedings.



When lawmakers sent a similar proposal to then Gov. Rick Scott in 2016, protesters descended on Scott's office to demand a veto JOE RONDONE/DEMOCRAT

The proposal sets up a schedule for alimony payments based on the length of a marriage. There would be no alimony for a marriage of less than three years, and spouses in a marriage of longer than 20 years would be eligible to receive payments for a time equal to 75% of the length of the marriage.

"It eliminates the inequitable standard of maintaining the 'marital lifestyle' post-divorce that causes so much litigation and replaces it with a more reasonable presumption that lifestyles of the parties will presumably be lower when the same marital income is sustaining two households," said Johnson, chair of Florida Family Fairness, Inc.

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Sponsor calls it 'fairest and most equitable' alimony reform bill ever

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A contentious provision in the measure would require judges to begin with a "presumption" that children should split their time equally between parents. Scott flagged a similar child-sharing requirement in a 2016 veto as not necessarily in a child's best interest.

The Florida Bar Family Law Section and the American Academy of Matrimonial Lawyers worked with Gruters and Persons-Mulicka on the proposal.

They were surprised by a strike-all amendment in the session's final week that created the 50/50 children time-share presumption and made the end to permanent alimony agreements retroactive. The Florida Bar pulled its support.

In a letter to Gov. DeSantis, Heather Lynn Apicella, chair of the Family Law Section, said SB 1796 will negatively impact seniors and children and called for a veto of "unwarranted changes to alimony and timesharing."

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Fiveash's 30-year marriage ended 11 years ago with a marriage settlement agreement where in exchange for a set amount of alimony she assumed the mortgage on the family home and gave up her rights to a share of her ex-husband's pension and 401K.

If DeSantis does sign the bill, Fiveash and others expect a court challenge over the provision making it retroactive, voiding marital settlement agreements, which are signed contracts.

"They passed an unconstitutional bill," Fiveash said. "We just don't know how they get away with this."

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Jones

Continued from Page 3A

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The church held services at a Boys and Girls Club that used to be located on Northeast Eighth Avenue and Waldo Road and at the old Odd Feller Building at 110 S.E. Eight St. As the church grew, construction of its sanctuary was completed in 1978.

Owen Headley, who used to attend the church studying at the University of Florida in the 1980s, describes the late Jones as a preacher who taught the word of God "letter by letter, word by word, sentence by sentence, paragraph by paragraph, page by page, chapter by chapter and book by book."

Jones' teachings didn't stop with religion.

He went on to a bachelor's degree from Florida A&M University, earning numerous counseling and theological certificates and degrees along the way. He completed three years of study at the Medical Training Institute of America in Indianapolis and later received his pastoral training at the Charles E. Fuller Institute in Pasadena, California.

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Jones, during his presidency of the group, traveled to Washington, D.C., with his wife and other group members to successfully lobby former U.S. representatives Corrine Brown and Cliff Stearns to get $1.2 million in federal funding to make infrastructure improvements, especially along Northeast 25th Street between Eighth and East University avenues, in the Duval neighborhood in northeast Gainesville.

Considering all of his accomplishments and service to the community, he will undoubtedly be best known for being a champion of successful and prosperous marriages, says his wife and son.

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Those who knew him best say a big part of Samuel Jones' legacy will be that he helped people through tough times.

"He always teaches and preaches about making sure your heart is right," Timothy Jones said.

It was that kind of lessons that attracted Audrey Aldridge to the church.

"If it wasn't for him, I wouldn't be the person I am now," said Aldridge, 75, who joined the church in 1978. "He believes in marriage and he builds up your character. I joined the church because he helped me see my need for Jesus. He was a good man and he is going to be missed."

Funeral services for Pastor Jones will be held at 10 a.m. Saturday at Greenhouse Church Gainesville, 11200 N.W. 39th Ave. A public viewing will be held from 3-7 p.m. Friday at Open Door Ministries, 601 N.E. 19th St.

He is survived by his wife, Margaret Ann Jones; daughters Cynthia Jones Tennell (Greg), Katrina Gainey (Eddie), Casandra McNair (U.S. Army Capt. Erwin McNair); sons Dr. Samuel Jones III (Allison), Pastor Timothy Jones Sr. (Lady Nona Jones); 16 grandchildren, nine great-grandchildren, siblings and a host of other relatives and friends.

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Continued from Page 3A

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The intent of the Special Exception application is to permit a solar energy collection facility, which is considered a "major utility" by City of Alachua Land Development Regulations. Major utilities are permitted in the property's zoning districts by Special Exception.

The site is located generally at the northwestern intersection of Peggy Road and County Road 235A.

This is not a public hearing. The purpose of this meeting is to inform the public about the nature of the proposals and seek their comments.

Time: 6:00 pm on April 27, 2022
Location: CHW Office, 11801 Research Drive, Alachua, FL, 32615

Contact: Craig Brashier, AICP
Phone Number: (352) 331-1976
Email: Live@CHW-inc.com

CHW

NOTICE OF PUBLIC HEARING

The Alachua County Board of County Commissioners will hold public hearings Tuesday, April 26, 2022. The meeting will be held in the John R. "Jack" Durrance Auditorium, room 209, 12 SE 1st Street, Gainesville, Florida to consider the following quasi-judicial zoning items:

Item to be considered at 11:30 AM or as soon thereafter as it may be heard:

ZOM-04-22 (Fletcher's Financial rezoning)
A request by Ryan Thompson of CHW Inc., agent, for Fletcher's Center West, LLC, owners, to rezone from the BR (Business, Retail Sales and Services) and BW (Wholesale and Warehousing) zoning districts to the BH (Highway Oriented Business) zoning district. The site has a future land use designation of Commercial (Jonesville Activity Center) and is approximately 1.02 acres, located on tax parcel number 04344-007-002 at 14133 W. Newberry Rd.

Item to be considered at 5:00 PM or as soon thereafter as it may be heard:

ZOX-03-21 (Duke Energy Substation Special Exception, continued from 12/14/21)
A request by Shutts & Bowen LLP, agent, for Duke Energy Florida, Inc., owner, for a special exception to allow a major utility in the Agriculture zoning district. The site has an existing utility substation and is proposing to add a new, unmanned telecommunications shelter (13' x 17' building within a 40' x 40' gated compound area). As the existing substation predates the Comprehensive Plan and ULDC (operating since 1962), it exists as a legal, nonconforming use. The site has a future land use designation of Institutional and is approximately 15.12 acres, located on tax parcel number 04631-001-000 at 10329 SW 154th St.

This meeting will allow for in person participation at 12 SE 1st Street, Gainesville, FL, Second Floor, Jack Durrance Board Room.

PUBLIC COMMENTS / PARTIES / EVIDENCE

The public is encouraged to submit any written or photographic documents prior to the meeting.

No later than 7 calendar days prior to the hearing, an individual or entity wishing to participate as a party in a quasi-judicial public hearing must provide the County with a written request to be considered as a party. The request must include a factual basis for why the requestor believes that he or she should be allowed to participate as a party.

If an individual or entity intends to participate as a party and provide evidence, beyond testimony, at the public hearing, the individual or entity must provide electronic copies of all evidence to the County no later than 5 calendar days prior to the hearing. Any evidence provided electronically will be entered into the record and provided to all identified parties.

All comments, party requests and party evidence should be submitted at:
https://growth-management.alachuacounty.us/PublicComment

The Planning Commission shall consider written requests for party status at the outset of the hearing and make a determination of which requesting individuals or entities qualify for party status in the hearing.

If any accommodations are needed for persons with disabilities, please contact the Alachua County Equal Opportunity Office at least two business days in advance at (352) 374-5275 (voice) or (352) 374-5284 TDD users, please call 711 (Florida Relay Service). Printed materials are available in alternate format upon request.

All persons are advised that, if they decide to appeal any decision made at this public hearing or meeting, they will need a record of the proceedings and, for such purpose, they may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

General Information: A draft of the above items will be available on Friday of the week preceding the meeting by visiting https://mapgenius.alachuacounty.us/development-projects/. For further information call (352) 374-5249. Visit www.alachuacounty.us and click on the meetings tab on the homepage for the most up to date information.

Workshop Presentation

Pleasant Solar + Storage

Special Exception and Site Plan Applications

SOLARIANT

CHW
Professional Consultants

City of Alachua
Neighborhood Meeting
April 27, 2022

The purpose of the neighborhood meeting:

The City of Alachua requires applicants to host a neighborhood meeting *prior* to application submittal.

The purpose is to inform neighbors of the proposed action's nature and to get feedback early in the process.

This meeting provides the applicant with an opportunity to identify concerns prior to the application's submission.



PUBLIC NOTIFICATION

NEIGHBORHOOD MEETING NOTIFICATION

To: Neighbors of Peggy Road / CR 235A Intersection
From: Craig Brashier, AICP
Date: 13 April 2022
RE: Neighborhood Meeting Public Notice

A Neighborhood Meeting will be held to discuss a Special Exception application and site plan application on ±320 acres in the City of Alachua (Alachua County Tax Parcels # 03894-000-000 and 03898-000-000). The property's Future Land Use classifications are Agriculture and Moderate Density Residential. The property's zoning districts are Agriculture (A) and Residential Single Family (RSF-4).

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The solar energy collection facility will be operated by Solariant Capital, LLC. More information about Solariant can be found at their website, https://www.solariantcapital.com/.

SOLARIANT

Meeting Details:

Date: 27 April 2022
Time: 6:00 PM
Location: CHW Office, 11801 Research Drive, Alachua, FL, 32615
Contact: Craig Brashier, AICP
11801 Research Drive
Alachua, FL 32615
(352) 331-1976
Live@CHW-inc.com

This is not a public hearing. The purpose of the neighborhood meeting is to inform the public about the nature of the proposal and seek their comments.

If you are unable to attend the meeting, please contact CHW using the information above, and we will provide materials after the meeting is held. Comments may also be submitted in writing to the address or email above or by phone at the phone number above.

www.chw-inc.com



GAINESVILLE.COM | WEDNESDAY, APRIL 13, 2022 | 5A

Alimony

Continued from Page 3A

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The site is located generally at the northwestern intersection of Peggy Road and County Road 235A.

This is not a public hearing. The purpose of this meeting is to inform the public about the nature of the proposals and seek their comments.

Time: 6:00 pm on April 27, 2022
Location: CHW Office, 11801 Research Drive, Alachua, FL, 32615

Contact: Craig Brashier, AICP
Phone Number: (352) 331-1976
Email: Live@CHW-inc.com

CHW

NOTICE OF PUBLIC HEARING

The Alachua County Board of County Commissioners will hold public hearings on Tuesday, April 26, 2022. The meeting will be held in the James "Jack" Durrence Auditorium, room 209, 12 SE 1st Street, Gainesville, Florida to consider the following quasi-judicial zoning items:

Item to be considered at 11:30 AM or as soon thereafter as it may be heard:

ZOM-04-21 (Hatcher's Financial rezoning)
A request by Ryan Thompson of CHW Inc., agent, for [illegible] Center West, LLC, owners, to rezone from [illegible] (Business, Retail Sales, and Services) and RW (Wholesale and Warehousing) zoning districts to the MU (Highway Oriented Business) zoning district. The site has a future land use designation of Commercial (Gainesville Activity Center) and is approximately 1.02 acres, located on the parcel number 04344-007-002 at 14133 W. Newberry Rd.

Item to be considered at 5:00 PM or as soon thereafter as it may be heard:

ZOX-03-21 (Duke Energy Substation Special Exception, Continued from 12/14/21)
A request by Shutts & Bowen LLP, agent, for Duke Energy Florida Inc., owner, for a special exception to allow a major utility in the Agriculture zoning district. The site has an existing utility substation and is proposing to add a new, unmanned telecommunications shelter (12' x 17' building within a 60' x 40' gated compound area). As the existing substation predates the Comprehensive Plan and ULDC (operating since 1962), it exists as a legal, nonconforming use. The site has a future land use designation of Institutional and is approximately 13.12 acres, located on tax parcel number 06821-001-000 at 16225 SW 154th St.

The meeting will start in person participation at 12 SE 1st Street, Gainesville, FL, Second Floor, Jack Durrence Board Room.

PUBLIC COMMENTS / PARTIES / EVIDENCE

The public is encouraged to submit any written or [illegible] documents prior to the meeting.

All persons wishing to speak during the meeting, as [illegible] or virtually, must register as a party. In a quasi-judicial public hearing, each person the County wish to speak, register to be considered as a party. The request must include a factual basis for why the requestor believes that he or she should be allowed to participate as a party.

Each individual or entity issued to participate as a party and provide evidence, beyond testimony, at the public hearing, the individual or entity must provide electronic copies of all materials to the County no later than 3 calendar days prior to the hearing. Any evidence provided additionally will be entered into the record and provided to all identified parties.

All comments, party requests and party evidence should be submitted at: [illegible]

The Planning Commission shall consider written comments by any citizen at the conclusion of the hearing and make a determination of which requested exhibits are or are not qualified for party status at the hearing.

Many accommodations are provided for persons with disabilities upon request. Contact the Alachua County Equal Opportunity Office at least two business days in advance at (352) 374-5275 (voice) or (352) 374-5284 TDD users, please call 711 (Florida Relay Service). Printed materials are available in alternate formats upon request.

All persons are advised that, if they decide to appeal any decision made at this public hearing or meeting, they will need a record of the proceedings and, for such purpose, they may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

General Information: A draft of the above ordinance is available on Friday of the week before the meeting in the [illegible] Department, [illegible] Suite 300, Gainesville, Florida, [illegible] and click on the hearings tab on the homepage for the most up to date information.

PUBLIC NOTICE

A Neighborhood Meeting will be held to discuss a Special Exception application on ±320 acres in the City of Alachua (Alachua County Tax Parcels # 03894-000-000 and 03898-000-000). The property's Future Land Use classifications are Agriculture and Moderate Density Residential. The property's zoning districts are Agriculture (A) and Residential Single Family (RSF-4).

The intent of the Special Exception application is to permit a solar energy collection facility, which is considered a "major utility" by City of Alachua Land Development Regulations. Major utilities are permitted in the property's zoning districts by Special Exception.

The site is located generally at the northwestern intersection of Peggy Road and County Road 235A.

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Time: 6:00 pm on April 27, 2022
Location: CHW Office, 11801 Research Drive, Alachua, FL, 32615

Contact: Craig Brashier, AICP
Phone Number: (352) 331-1976
Email: Live@CHW-inc.com

CHW

CHW

SOLARIANT EXPERTISE & BACKGROUND

United States

- Based in Pasadena, CA; development team across the U.S. (including in FL)
- Solariant Capital LLC is mandated by its investors to source and structure financing for U.S. infrastructure and renewable energy projects
- Solariant is currently developing 12+ solar and storage projects totaling more than 1,000 MWp of solar and 2.5 GWh of battery storage

Japan

- Solariant Inc. & Solariant Japan Co., Ltd., established in 2012 with offices in Tokyo
- Since expanded its operation with 90 team members in four offices in Asia
- Completed development of seven utility-scale power projects throughout Japan
- Other activities include developing woody biomass plantations and pellet plants in the Philippines and SE Asian countries to supply fuel for Japanese biomass energy plants

INTENT:

Permit and build a 74.9 MWac PV solar energy collection and energy storage facility.

REQUESTS:

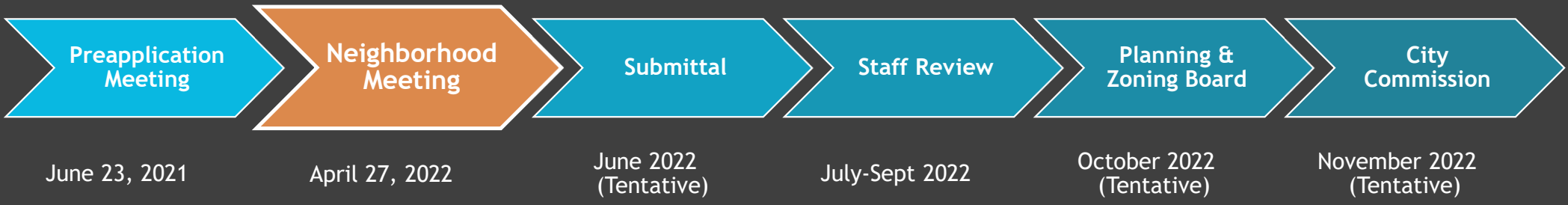
- Special Exception Application for a major utility
- Site Plan Application

OPPORTUNITIES:

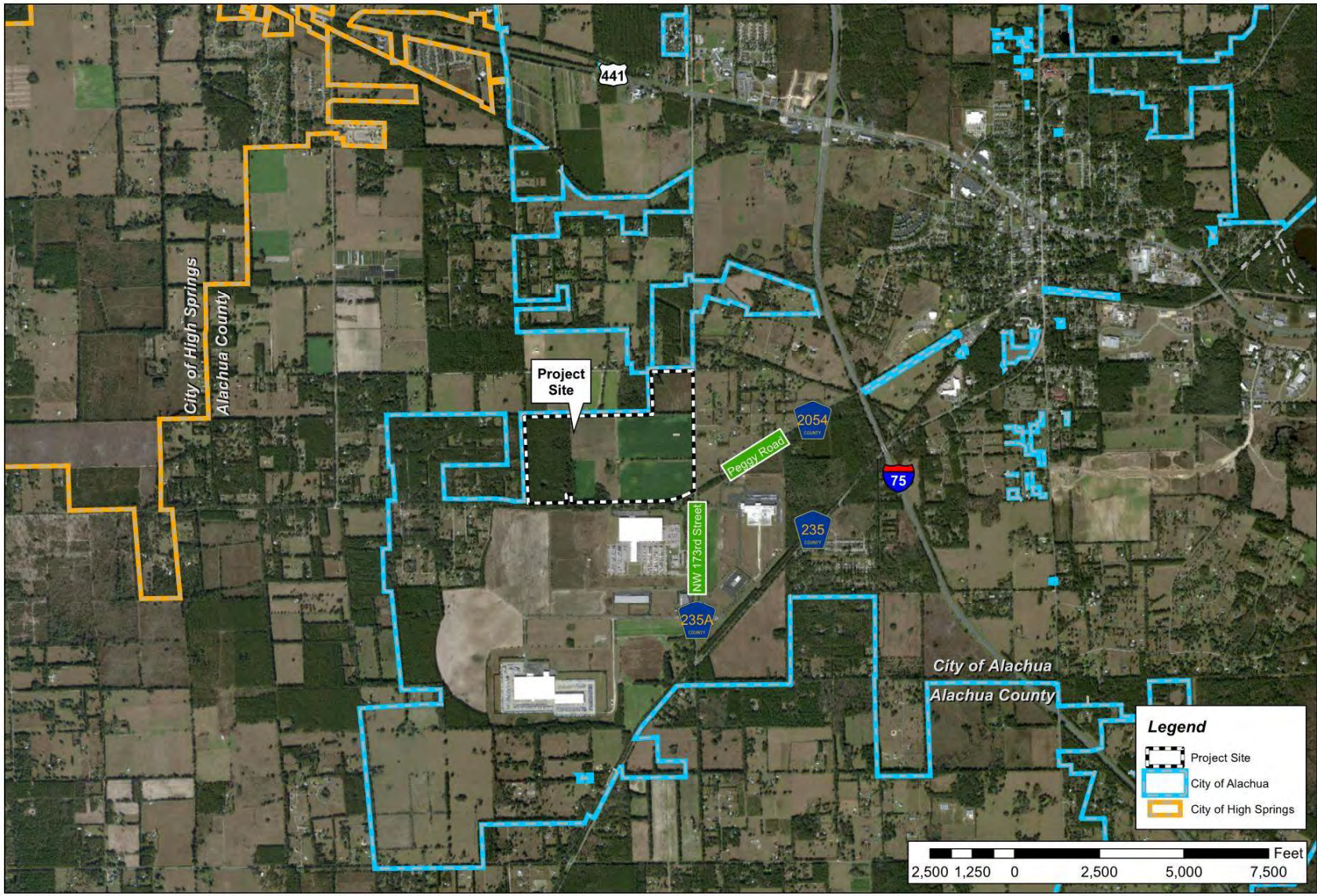
- Diversify energy supply for North Central Florida
- Reserve undeveloped land on boundary of city with low-intensity use for years to come
- Economic development, job creation, and community benefits (e.g. property tax revenue)



SPECIAL EXCEPTION
ESTIMATED TIMELINE



Context Map

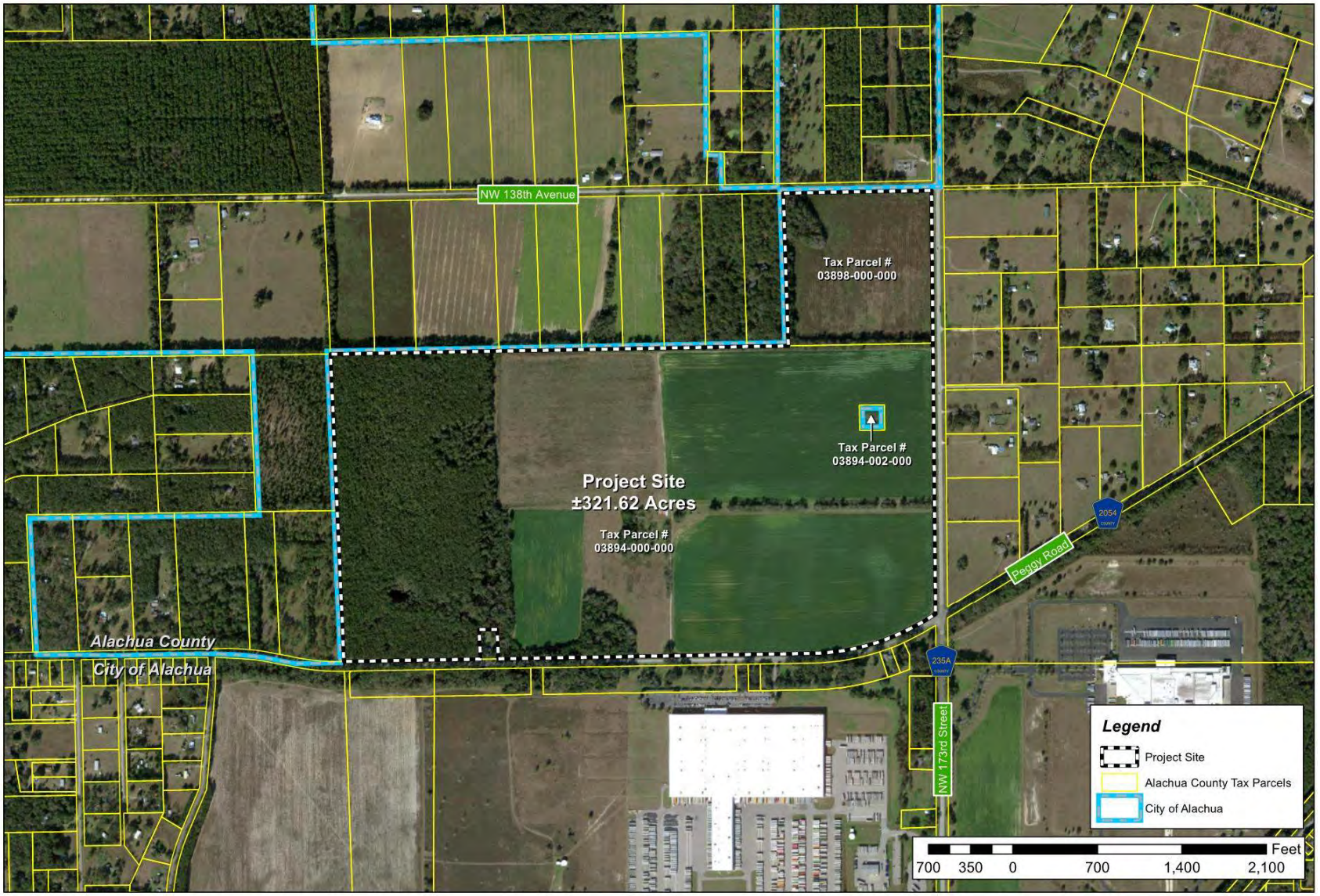

441
City of High Springs
Alachua County
Project Site
2054
Peggy Road
75
NW 173rd Street
235
235A
City of Alachua
Alachua County
Legend
Project Site
City of Alachua
City of High Springs
Feet
2,500 1,250 0 2,500 5,000 7,500

Aerial Map

Tax Parcel # 03894-002-000 contains a cemetery. This parcel will not be included in the Special Exception application.

Access to this cemetery will be maintained and improved with the new use via a constructed road, and the cemetery will be buffered appropriately from adjacent use.

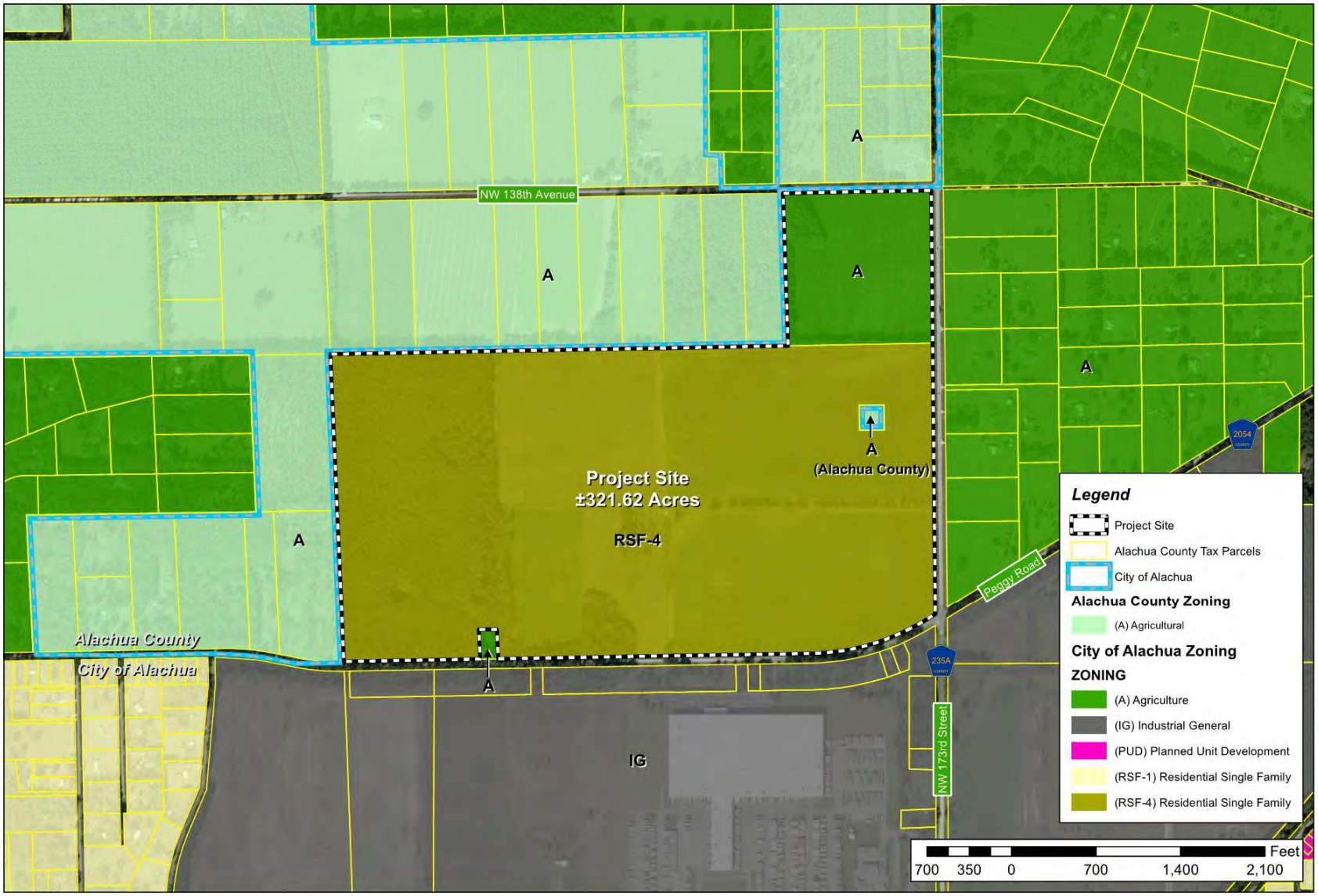
CHW



Zoning Map

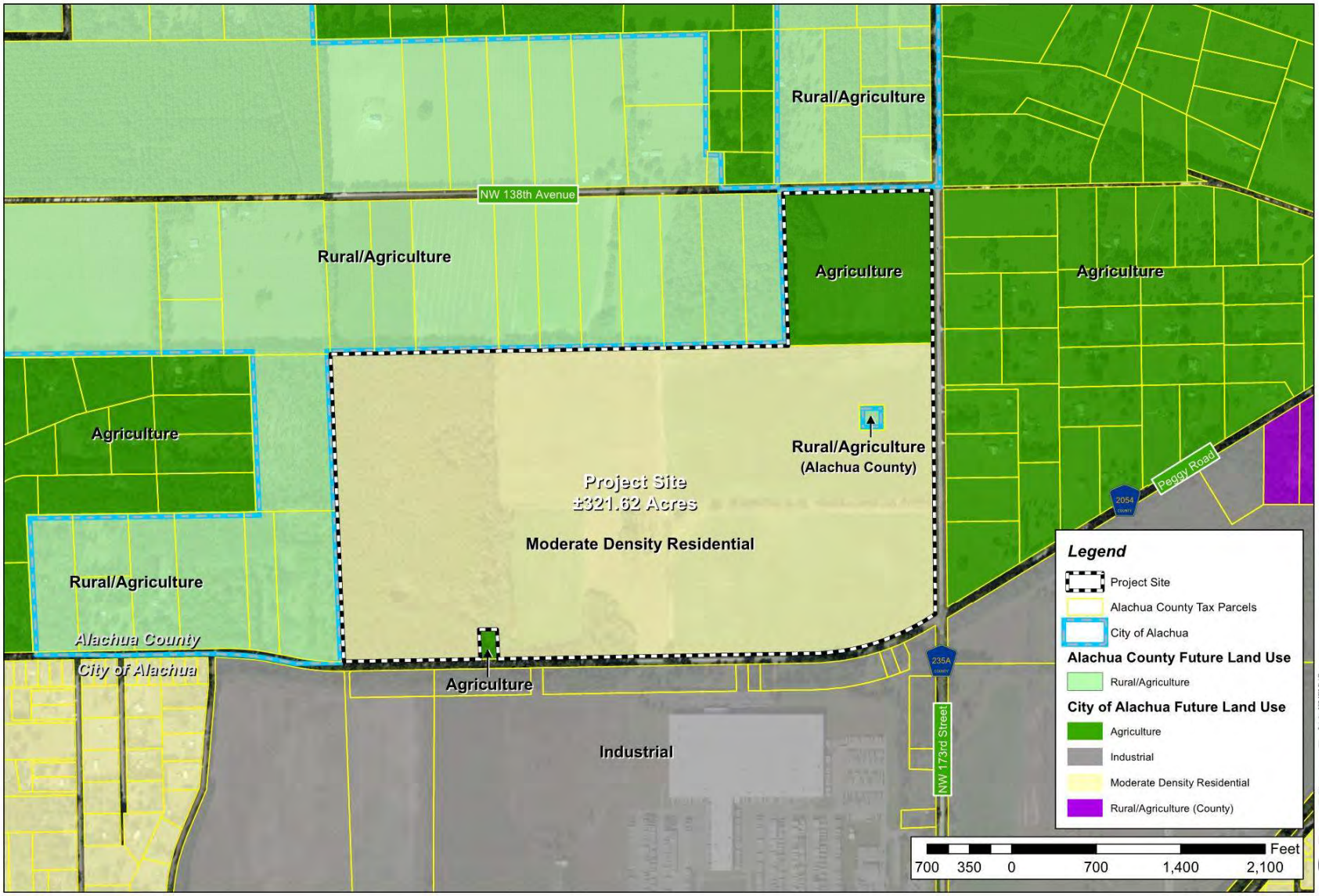
Solar Energy Collection Facilities *permitted by right* in Agriculture per Florida Statutes 163.3205(3)

Major Utilities are permitted in RSF-4 by Special Exception



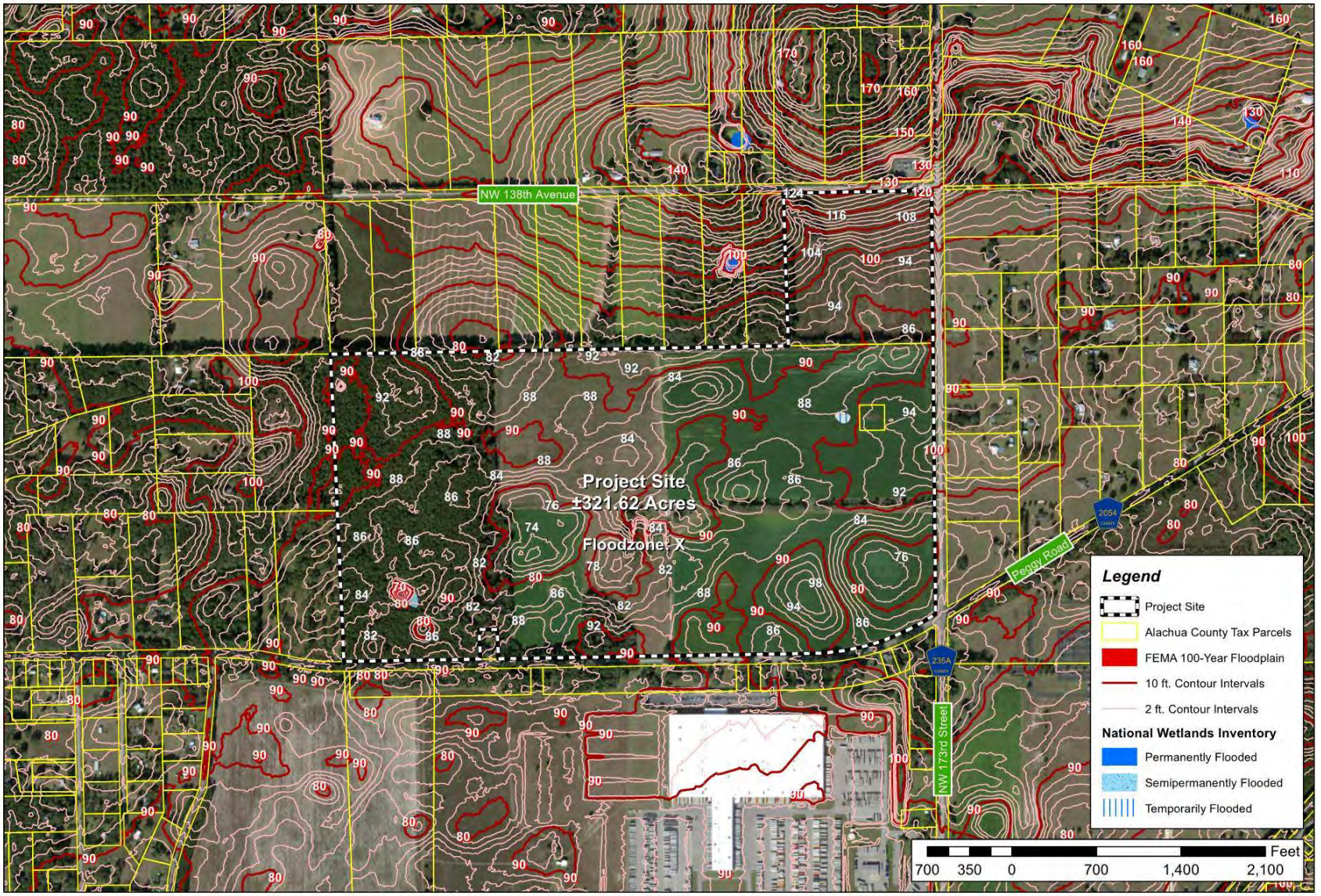
Future Land Use (FLU) Map

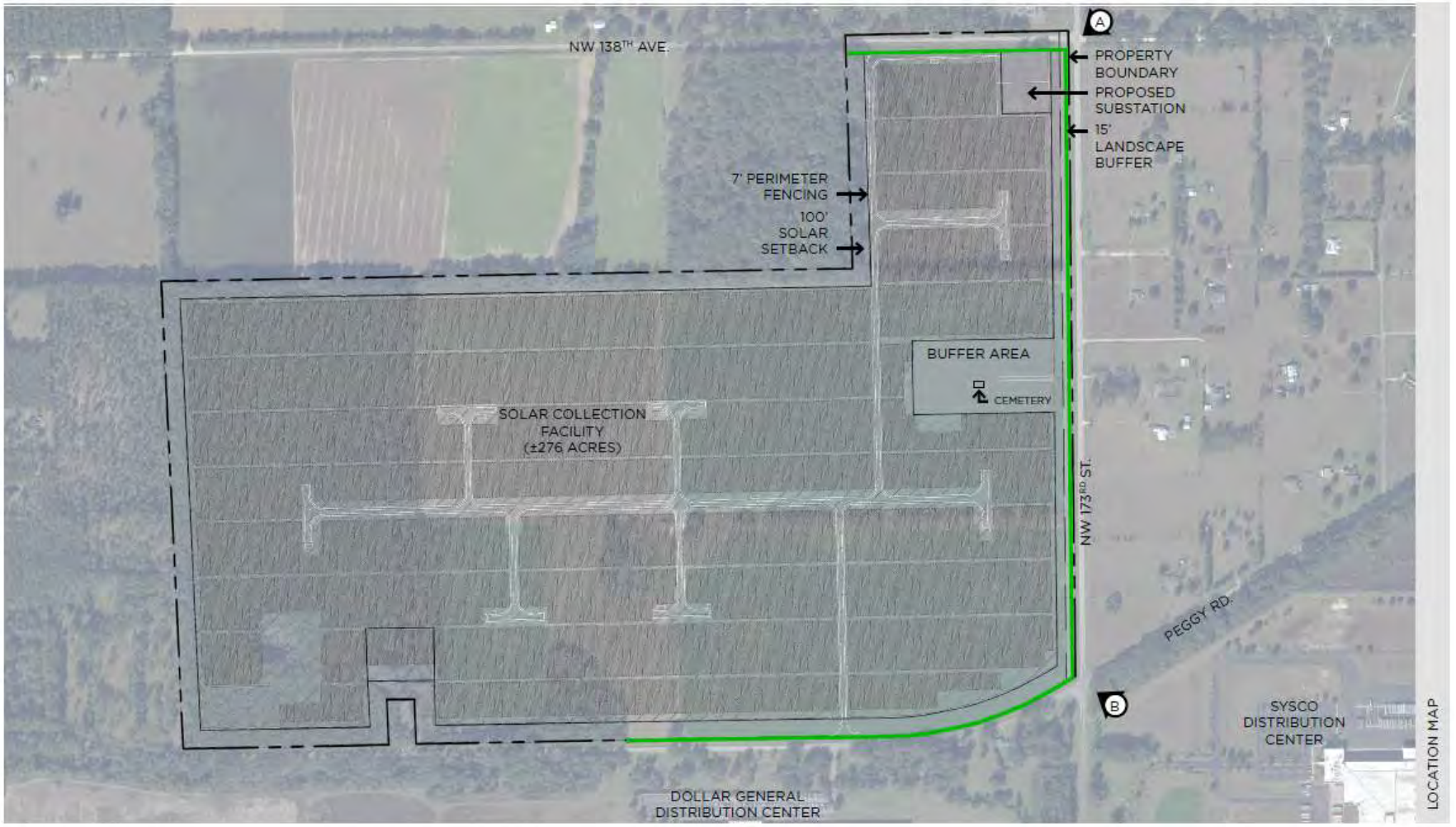
Future Land Use closely matches existing land use in general area of development



Environmental Map

Site plan includes proper buffers from existing floodplains and wetland locations





NORTH

0' 250' 500' 1500'

PLEASANT SOLAR | CONCEPTUAL SITE PLAN | 9-14-2021

SOLARIANT | CHW

LOCATION MAP



PERSPECTIVE A - EXISTING





PERSPECTIVE A - PER CODE (AT INSTALLATION)



PERSPECTIVE A - PER CODE (+10 YEARS)

PLEASANT SOLAR | PERSPECTIVE A

SOLARIANT | CHW

ADDRESSING COMMON QUESTIONS:

- **Traffic:** *Insignificant amount generated, maintenance only*
- **Noise:** *Inverters' sound at level equivalent to an AC wall unit; placed centrally within the property*
- **Lights:** *Lighting at key points for security and personnel*
- **Smell:** *No odor anticipated*
- **Aquifer:** *Solar panels are sealed*
- **Wildlife:** *Harm to wildlife by panels not typical*

- **Buffers/fencing:** *Large buffers with fencing protects privacy of neighbors and mitigates sound*
- **Security Vandalism:** *Property will be completely fenced & landscaped*

- **Property values:** *Studies indicate either no impact or slight positive impact from solar development & long-term use*

KAGOSHIMA SOLAR PROJECT

- **41.3 MWp**
- **Kirishima, Kagoshima Prefecture, Japan**



SOLARIANT

Questions?





Sign-in Sheet

SIGN-IN SHEET

Pleasant Solar + Storage Neighborhood Meeting

21-0275

CHW Professional Consultants

Event: Neighborhood Meeting

Date/Time: April 27, 2022 @ 6:00 PM

Place: CHW Office – 11801 Research Drive, Alachua, FL, 32615

Re: Special Exception & Site Plan Applications

	Print Name	Street Address	Signature
1	Resident (No Signature)		
2	Resident (No Signature)		
3	Jennifer Bogle	13139 NW 173rd St Alachua FL 32615	[signature]
4	Roberta Gastmeyer	4118 NW 69 St Grille 32606	[signature]
5	Tristen Horton	19005 NW 138th ave	[signature]
6	Jay HORTON	"	[signature]
7	Lynn Horton	"	[signature]
8	Tamara Robbins	13627 NW 146th Alachua FL 32615	[signature]
9	Daniel Pope	~~11940~~	[signature]
10			
11			
12			
13			

Workshop Minutes

NEIGHBORHOOD MEETING MINUTES

Pleasant Solar + Storage

21-0275

Event:	City of Alachua required Neighborhood Meeting, Special Exception / Site Plan
Date/Time:	April 27, 2022 @ 6:00 PM
Place:	CHW Office – 11801 Research Drive, Alachua, FL, 32615
Re:	Special Exception and Site Plan Applications

Solariant Attendees: Andy Cerrato; Kevin Kohlstedt
Patrice Boyes, P.A. Attendees: Patrice Boyes, Esq.
CHW Attendees: Craig Brashier, AICP; Gerry Dedenbach, AICP; Seth Wood
Public Attendees: 10

CHW hosted the required Neighborhood Meeting and presented the following: the meeting's purpose; the applications' requests and intents; the opportunities presented by the applications; the general application review process and a preliminary estimated project timeline; maps illustrating the site's regulatory and physical characteristics; and a conceptual layout. Following the presentation, the floor was opened for questions and comments. Questions and comments from public attendees are below, with agent responses. Please note, these meeting minutes are not a verbatim transcript of the meeting.

AREA COMMENTS

Comment: This land is beautiful, this soil is fertile, and you are eliminating primary agricultural land.
Response: Thank you for your comment. Solar energy collection facilities like the one proposed are very low intensity activities. The passive use as a solar collection field also will allow the soil to rebound from years of agricultural production. Once built, the facility will have minimal impact on the land itself due to the lack of permanent impervious surface area installed. The site's buffering, combined with the minimal noise generated at the internal inverters, has been found to be less than the ambient context area. These factors ensure the development has no deleterious impacts to the quality of life for neighbors and the community.

Question: Why our neighborhood? Why not somewhere where there aren't people?
Response: The existing electric infrastructure in this specific area makes the location a good candidate for locating a solar facility. Existing infrastructure where power can be injected into the electric grid is the major factor in selecting sites for utility-scale solar energy collection facilities. People live everywhere, and building in an area without people is nearly impossible. We believe, based on our experience and data, that solar energy collection facilities are quiet, low-intensity, good neighbors that do not generate noise, odors, light, traffic, or other impacts.

Comment: The cemetery on this property is charming.
Response: The cemetery will not be part of the Special Exception or Site Plan applications and will be protected by generous buffers in development of the site. Access to the cemetery will be enhanced by the creation of a stabilized driveway, as the facility today exists in a farm field.

Comment: I do not want this, but it is preferable to a 1,150-home subdivision.
Response: Thank you for your comment.

Question: Why not build on environmentally damaged land, such as a superfund or brownfield site?
Response: Development of any sort on lands such as those requires very costly remediation that would make the project, or any other similar proposal, economically infeasible.

t: (904) 619-6521 | 8563 Argyle Business Loop, Suite 3, Jacksonville, FL 32244
t: (352) 331-1976 | 11801 Research Drive, Alachua, FL 32615
t: (352) 414-4621 | 101 NE 1st Avenue, Ocala, FL 34470
www.chw-inc.com

Mailed Memorandum

NEIGHBORHOOD MEETING NOTIFICATION

PN 21-0275

To: Neighbors of Peggy Road / CR 235A Intersection

From: Gerry Dedenbach, AICP

Date: 5 August 2022

RE: Neighborhood Meeting Public Notice

A hybrid Neighborhood Meeting will be held to discuss updates regarding the Pleasant Solar Special Exception application and Site Plan application on ±320 acres in the City of Alachua (Alachua County Tax Parcels # 03894-000-000 and 03898-000-000). The property's Future Land Use classifications are Agriculture and Moderate Density Residential. The property's zoning districts are Agriculture (A) and Residential Single Family (RSF-4).

The site is located generally at the northwestern intersection of Peggy Road and County Road 235A.

The intent of the Special Exception application is to permit a solar energy collection facility, which is considered a "major utility" by City of Alachua Land Development Regulations.

The solar energy collection facility will be operated by Solariant Capital, LLC. More information about Solariant can be found at their website, https://www.solariantcapital.com/.

Meeting Details:

Date: 18 August 2022

Time: 6:00 PM

Location: CHW Office, 11801 Research Drive, Alachua, FL, 32615

Virtual Option: Zoom meeting Link: bit.ly/21-275-NHM2
Zoom Call-in Number: 896 0332 3142
Zoom Meeting ID: +1 646 931 3860

Contact: Gerry Dedenbach, AICP
11801 Research Drive, Alachua, FL 32615
(352) 331-1976
Live@CHW-inc.com

If attending virtually, you can either:

- Type the "Zoom Meeting Link" into your web browser; or
- Call the "Zoom Call-in Number" and enter the "Zoom Meeting ID" when prompted.

If you are unable to attend the meeting, please contact CHW using the information above, and we will provide materials after the meeting is held. Comments may also be submitted in writing to the address or email above or by phone at the phone number above.

N:\2021\21-0275\Admin & Information\06_NHWS\Ad and Mailing\MAIL 220803 Pleasant Solar Workshop 2.docx

Mailing Labels

Antoinette Endelicato
5562 NW 93rd Avenue
Gainesville FL 32653

Dan Rhine
288 Turkey Creek
Alachua FL 32615

Tom Gorman
9210 NW 59th Street
Alachua FL 32653

Richard Gorman
5716 NW 93rd Avenue
Alachua FL 32653

Peggy Arnold
410 Turkey Creek
Alachua FL 32615

David Forest
23 Turkey Creek
Alachua FL 32615

President, TCMOA
1000 Turkey Creek
Alachua FL 32615

Linda Dixon, AICP, Assistant Director
Planning
PO Box 115050
Gainesville FL 32611

Craig Parenteau, FL Department of
Environmental Protection
4801 Camp Ranch Road
Gainesville FL 32641

Jeannette Hinsdale
P.O. Box 1156
Alachua FL 32616

Lynn Coullias
7406 NW 126th Ave
Alachua FL 32615

Lynda Coon
7216 NW 126 Avenue
Alachua FL 32615

Tamara Robbins
PO Box 2317
Alachua FL 32616

Michele L. Lieberman, County Manager
12 SE 1st Street
Gainesville FL 32601

Bonnie Flynn
16801 NW 166th Drive
Alachua FL 32615

Hugh & Jean Calderwood
14095 NW 174th Ave
Alachua FL 32615

Lisia Jenkins
P.O. Box 1071
Alachua FL 32616

Shasta Schoellhorn
15907 NW 188th St.
Alachua FL 32615

Carrie Luke
16611 NW 138th Ave.
Alachua FL 32615

Dena Courtney
P.O. Box 1215
High Springs FL 32655

Workshop Presentation

Pleasant Solar

Special Exception and Site Plan Applications

SOLARIANT

CHW Professional Consultants

City of Alachua
Neighborhood Meeting
August 18, 2022

1

MEETING AGENDA

- Project Background
- Panels/materials demonstration
- Noise levels video
- Tree harvesting schedule
- Environmental Analysis findings
- Fencing options

2

The purpose of this neighborhood meeting:

Solariant seeks to follow up with neighbors on their project *prior* to application submittal.

The purpose is to update neighbors on the progress of the project and results of recent studies.

This meeting provides the applicant with an opportunity to communicate with neighbors prior to the application's submission.



3

PROJECT INTENT:

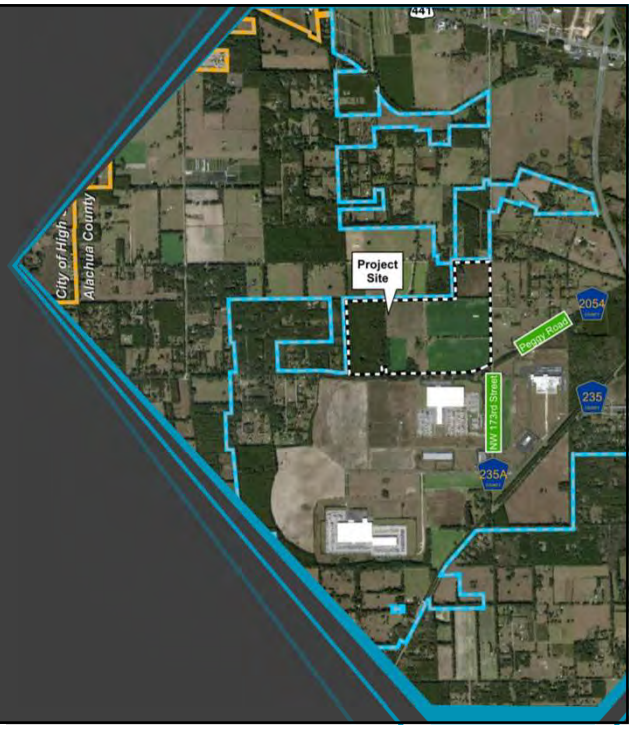
Permit and build a 74.9 MWac PV solar energy collection and energy storage facility.

APPLICATIONS:

- Special Exception Application for a major utility
- Site Plan Application

OPPORTUNITIES:

- Diversify energy supply for North Central Florida
- Reserve land on boundary of city with low-intensity use for years to come
- Economic development, job creation, and community benefits (e.g. property tax revenue)



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SPECIAL EXCEPTION
ESTIMATED TIMELINE

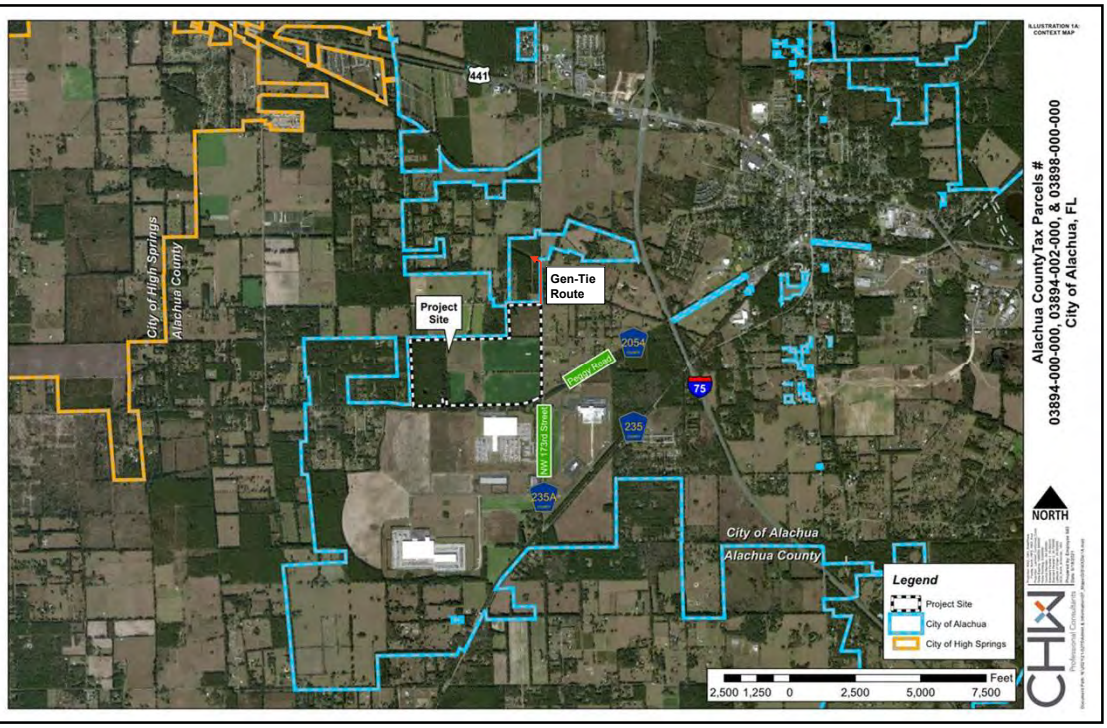
Preapplication Meeting	Neighborhood Meeting # 1	Meeting with CoA Staff	Neighborhood Meeting # 2	Submittal	Staff Review	Planning & Zoning Board	City Commission
June 23, 2021	April 27, 2022	July 14, 2022	**August 18, 2022**	Sept 2022 (Tentative)	Oct - Dec 022	Jan 2023 (Tentative)	Feb 2023 (Tentative)

21-0275: Pleasant Solar

CHW

5

Context Map



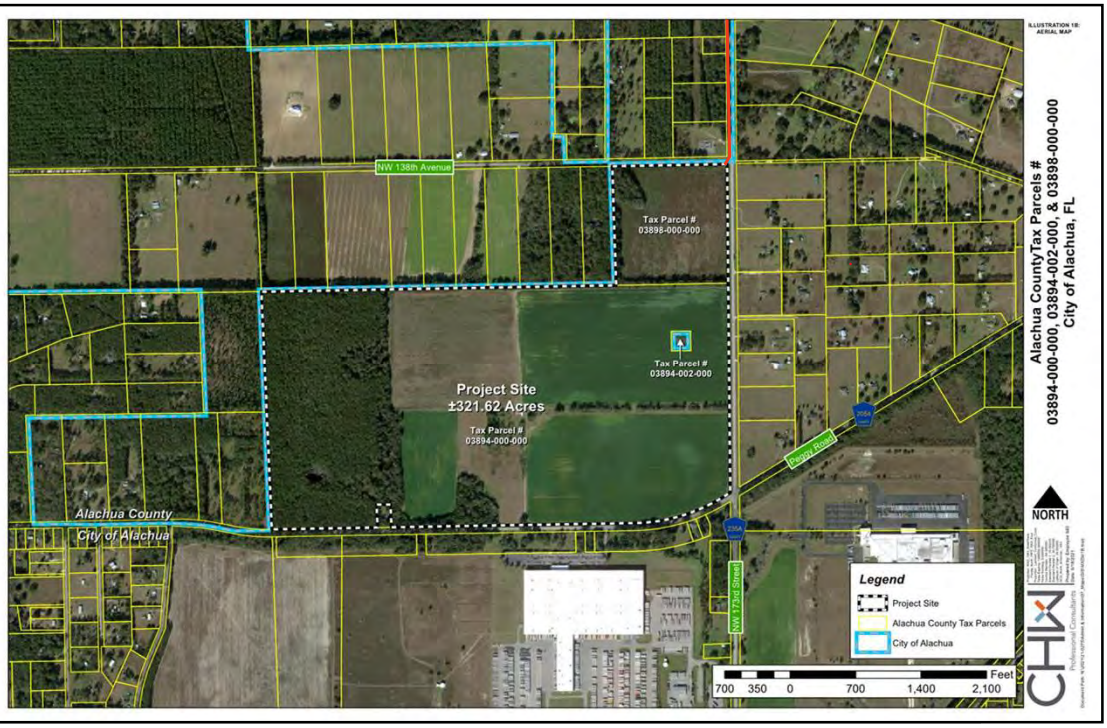
CHW

6

Aerial Map

Tax Parcel # 03894-002-000 contains a cemetery. This parcel will not be included in the Special Exception application.

Access to this cemetery will be maintained and improved with the new use via a constructed road, and the cemetery will be buffered appropriately from adjacent use.



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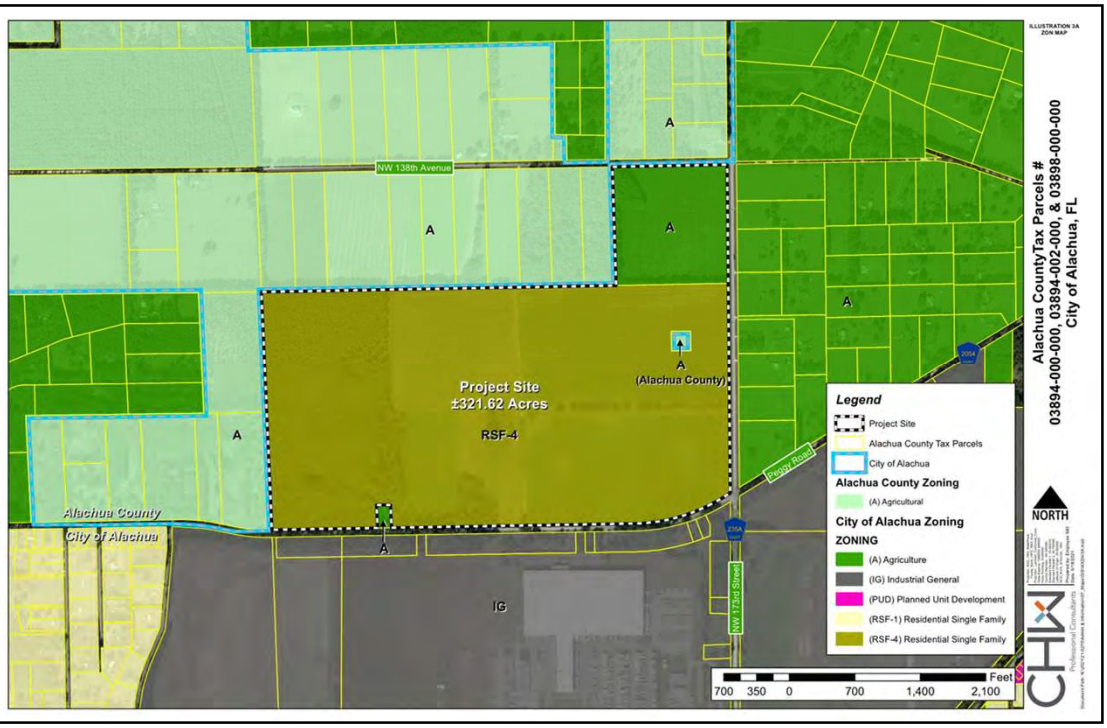
Zoning Map

Solar Energy Collection Facilities permitted by right in Agriculture per Florida Statutes 163.3205(3)

Major Utilities are permitted in RSF-4 by Special Exception



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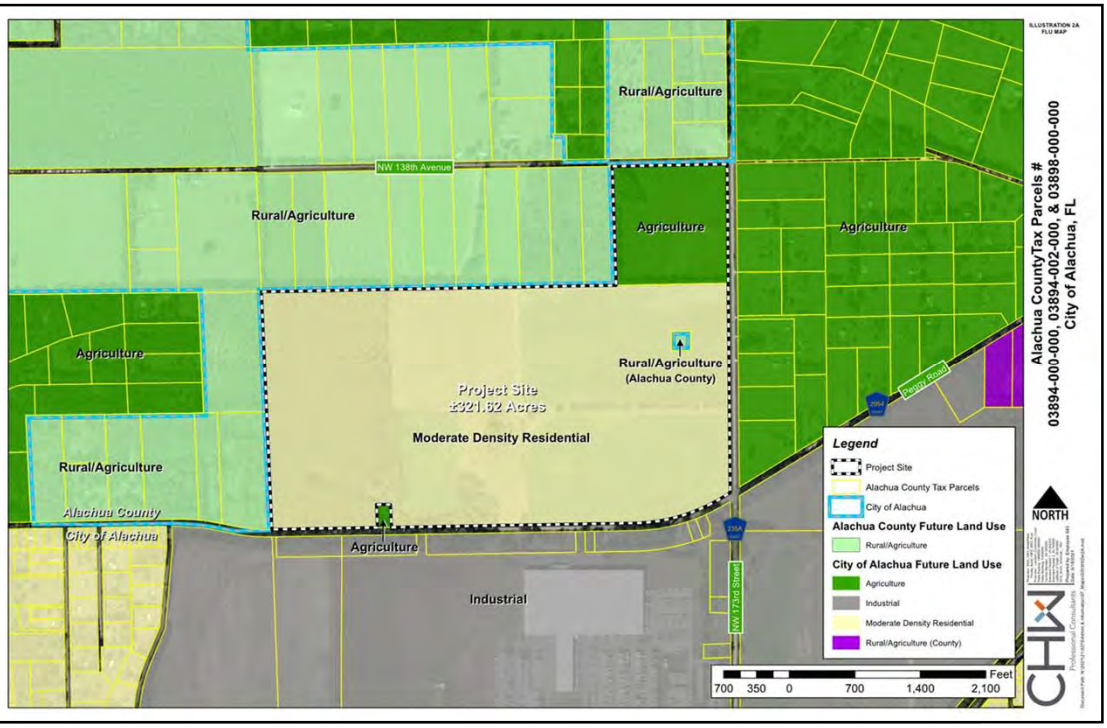
Future Land Use (FLU) Map



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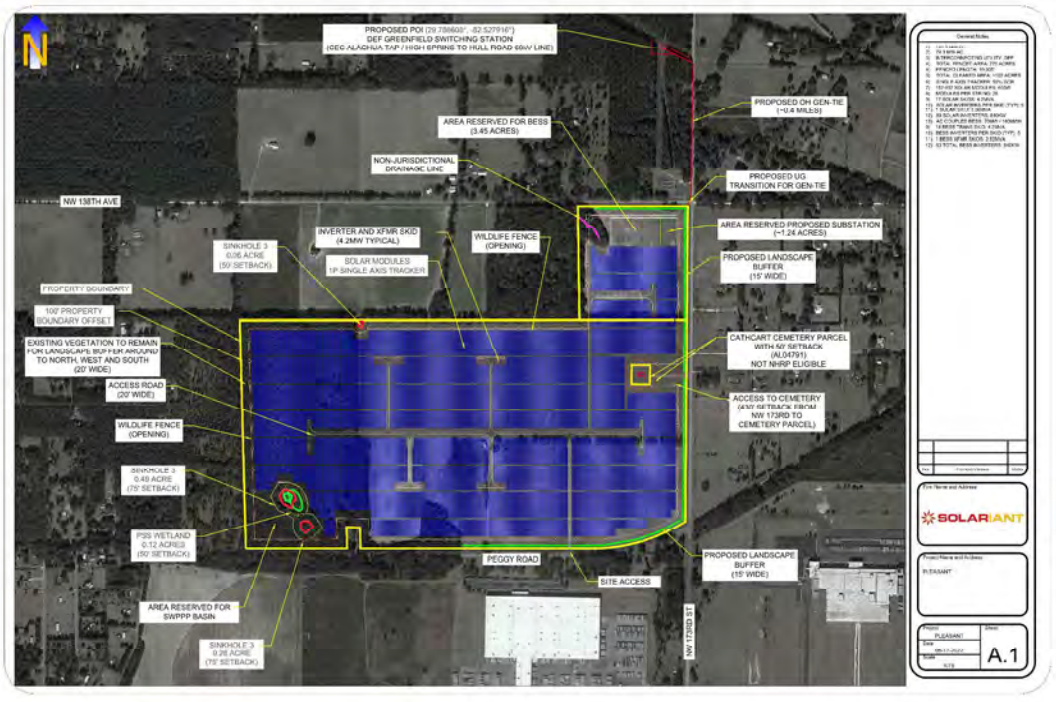
Preliminary Site Layout



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NOISE DEMONSTRATION VIDEO



11

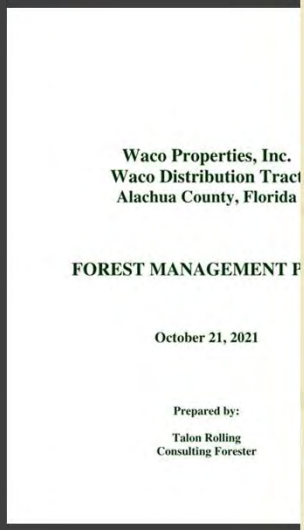
NOISE DEMONSTRATION VIDEO



12

TIMBER HARVESTING

- Bona fide silviculture operation with approved permit for harvesting based on Best Management Practices
- Harvesting is occurring on all Waco Properties (±747.17 acres)
- Buffer of existing trees to remain along western boundary, portions of north and south boundary
- Project site is mix of pine (NPH) and hardwood (Hwd) and open field
- Majority of merchantable timber in NPH stand is water oak, laurel oak, slash pine, and cherry
- Existing Trees within a 20ft buffer of the property line will remain

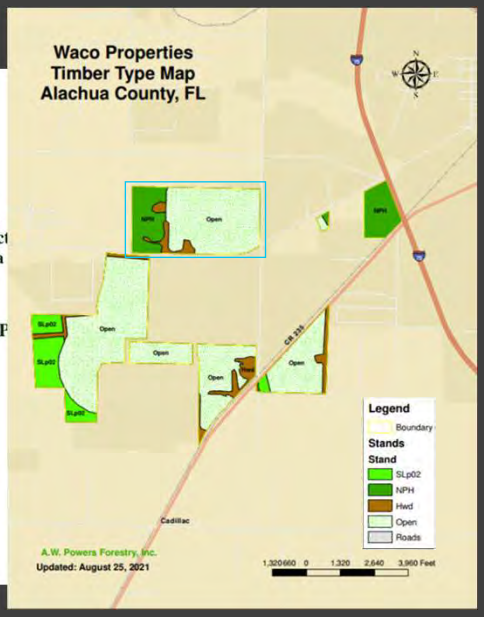

Waco Properties, Inc.
Waco Distribution Tract
Alachua County, Florida

FOREST MANAGEMENT P

October 21, 2021

Prepared by:

Talon Rolling
Consulting Forester



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ENVIRONMENTAL ANALYSIS

- No critical habitats or wading bird rookeries known to occur on or in vicinity of Project Site
- Findings & recommendations of Threatened & Endangered Species Habitat Assessment Report, conducted by TRC Environmental Corporation: **professional opinion that the project is not likely to adversely impact listed animal species**

Animal Species with potential to occur on/near project site	Status	Potential to Occur on Site	Recommended action
Squirrel chimney cave shrimp	Federally threatened	Moderate	Avoid impacts to sinkholes
Monarch butterfly	Candidate for federal status	None	N/A
Eastern indigo snake	Federally threatened	Low	N/A
Gopher tortoise	State threatened, federal candidate	Low	Pre-construction survey (required)
Short-tailed snake	State threatened	Low	N/A
Striped newt	Candidate for state status	Low	N/A
Burrowing owl	State threatened	Low	Pre-construction survey (required)
Sandhill crane	State threatened	Low	N/A
Wood stork	Federally threatened	None	N/A

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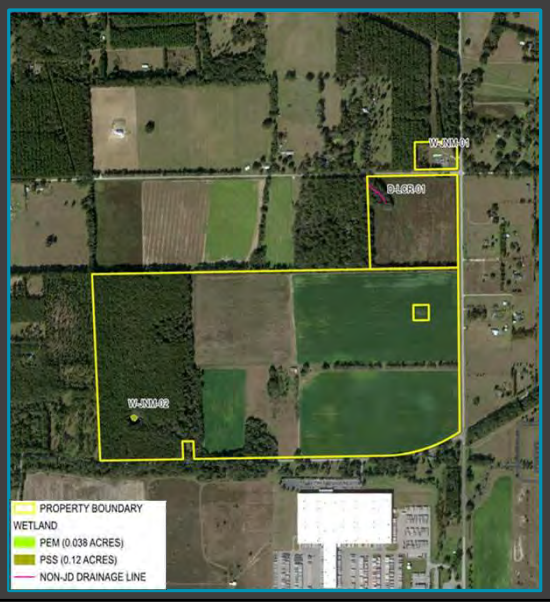
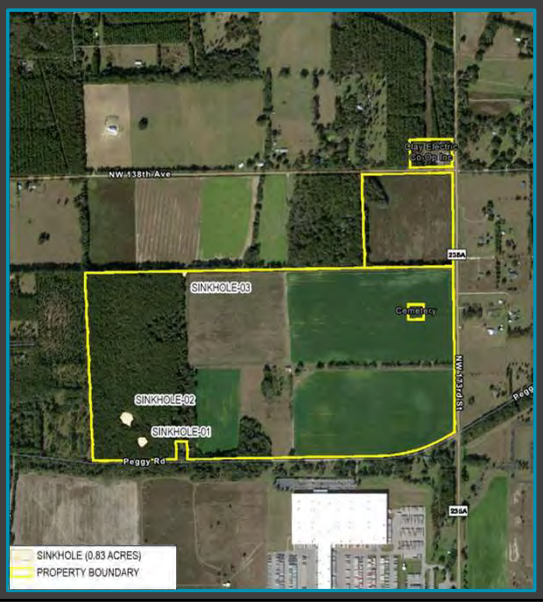
ENVIRONMENTAL ANALYSIS

Wetlands, sinkholes identified by TRC; site design will reflect these findings





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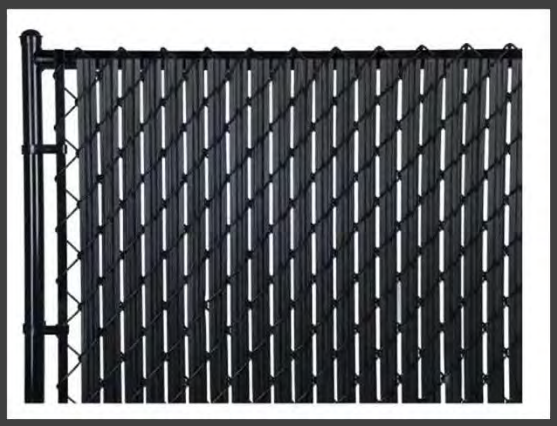
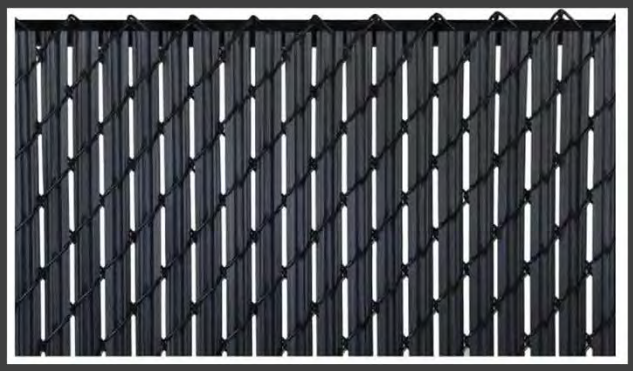
FENCING

Fencing—discussion held with City; amenable to exploring wildlife-friendly fencing





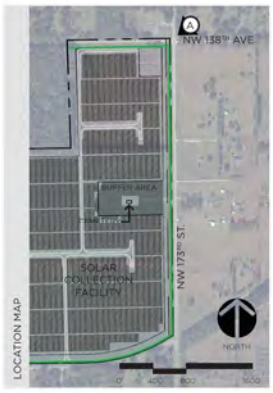
16

Perspective from NW 138th Ave and NW 173rd Street

Bottom left: Existing

Top right: View at installation

Bottom right: View at ±10 years









PLEASANT SOLAR | PERSPECTIVE A

SOLARIANT | CHW

17

Questions?

SOLARIANT

CHW Professional Consultants

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Sign-in Sheet

SIGN-IN SHEET

Pleasant Solar + Storage Neighborhood Meeting

21-0275

CHW Professional Consultants

Event: Neighborhood Meeting

Date/Time: August 18, 2022 @ 6:00 PM

Place: CHW Office – 11801 Research Drive, Alachua, FL, 32615

Re: Special Exception & Site Plan Applications

	Print Name	Street Address	Signature
1	J. Charles Davis	18106 NW 138th Ave Alachua 32615	
2	Mary McFarland	18106 NW 138 Ave Alachua	
3	Michael McFish	"	
4	Christa B DeLoach	17820 N W 138 Ave Alachua Fla 32615	
5	Clint DeLoach	"	
6	Tristan Hayden	19005 NW 138th ave Alachua FL 32615	
7		"	
8	James R. Brown	13151 NW 173 st Alachua Fl 32615	
9	Karen Brown	13151 NW 173 St Alachua FL 32615	
10	Tony Love	11919 NW 194th TERR Alachua FL 32615	
11	Jessica Miesch	17909 NW 138th Ave Alachua, FL 32615	
12	Thomas Miesch	17909 NW 138 AVE Alachua FL 32615	
13	Tamara Robbins	PO Box 2317 Alachua FL 32616	

	Print Name	Street Address	Signature
14	GLENN PURVIS	NW 138TH AVE	
15	JANICE FERGUSON	11601 NW 138 ST	
16	Christina Cain	11802 " " "	
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Workshop Minutes

NEIGHBORHOOD MEETING SUMMARY

Pleasant Solar

21-0275

Event: Neighborhood Meeting #2, Special Exception / Site Plan

Date: August 18, 2022, 6:00 PM

Place: CHW Office – 11801 Research Drive, Alachua, FL, 32615

Re: Special Exception and Site Plan Applications for Solar Energy Collection Facility

Solariant Attendees: Andy Cerrato; Kevin Kohlstedt (virtual); Jacob Wilson (virtual)
Patrice Boyes, P.A. Attendees: Patrice Boyes, Esq.
CHW Attendees: Craig Brashier, AICP; Gerry Dedenbach, AICP; Seth Wood, AICP
Public Attendees: 16

CHW, on behalf of Solariant, hosted an elective Neighborhood Meeting to updated neighbors on project progress since the required Neighborhood Meeting held on April 27, 2022. The presentation materials covered the following topics:

1. Project background, inclusive of project intent, the opportunities presented, and a tentative application timeline;
2. Maps illustrating the physical and regulatory landscape on the subject property;
3. Two (2) videos showing the amount of noise generated by solar panels;
4. The ongoing active silvicultural operation occurring on the property and other properties in the area owned by WACO Properties, Inc.;
5. The results of the preliminary environmental analysis;
6. Fencing and landscaping options, visible from the roadway; and
7. A conceptual site layout, updated to reflect the comments of neighbors at the April 27, 2022 meeting;

Questions and comments from public attendees are below, with applicant and agent responses. Please note, the meeting summary is not a verbatim transcript of the meeting. In addition, the summary is sorted to present topics in a grouped manner, although there was a free-flowing dialogue all evening.

PROJECT BACKGROUND

A sample of solar panel materials were displayed for attendees to see and handle.
Question: How long will these solar panels last?
Response: The specific panels that will be used on this property have not been selected. Solariant is committed to using the most up-to-date and efficient panels practicable. Panels are anticipated to last approximately 30 years.

Question: What factors does Solariant consider when choosing solar panels?
Response: Solariant chooses solar panels based on a decision matrix considering recyclability, energy efficiency, and cost. Solariant takes recommendations from ethical industry groups regarding best practices and participates in these groups' evaluations and recommendations.

Question: Where are Solariant's panels manufactured?
Response: The specific panels that will be used on this property have not been selected. The panels we choose will likely be manufactured in Japan. This ensures an ethical manufacturing process, in contrast to panels made in other countries.

t: (904) 619-6521 | 8465 Merchants Way, Suite 102, Jacksonville, FL 32222
t: (352) 331-1976 | 11801 Research Drive, Alachua, FL 32615
t: (352) 414-4621 | 2100 SE 17th Street, Unit 802, Ocala, FL 34471
www.chw-inc.com

Question: What will you do when the solar panels are no longer usable?
Response: A Decommissioning Plan will be put in place, ensuring a City-approved protocol at the end of the site's life cycle. To maximize cost savings, Solariant works to recycle as much of the equipment practicable. This includes: steel, aluminum, wiring, and panels.

Question: Will the panels cause glare?
Response: Glare is dependent on panel type. Solariant uses bifacial panels, which minimize glare.

Question: Will this cause a heat island effect? Neighbors to a similar facility in Lake Butler think their properties are hotter due to adjacency to a solar facility.
Response: Heat island effect is not anticipated. Solar panels are designed to absorb energy, not emit it to surrounding areas. However, each facility is unique and increased temperatures at other facilities could be due to other factors.

Question: How will this impact property values?
Response: Numerous studies across the country indicate solar energy collection facilities either have no significant impact on area property values, or a notable positive impact on property values. In response to this question being asked at the April 27, 2022 meeting, Solariant had a study of the site conducted. The appraiser's findings indicated no significant negative impacts to area property values are anticipated.

Comment: Having more houses proximate to my house would increase the value of my property more than a solar energy collection facility. People want to live proximate to other people; no one wants to live near a solar energy facility.
Response: Research is mixed as to whether additional housing has a positive, negative, or neutral impact on existing housing. That determination is heavily dependent on site, type, and number of houses. The majority of this ±321-acre parcel is zoned for a density of 4 dwelling units per acre, meaning ±1,140 new homes (±285 acres * 4 dwelling units/acre) could be built here. This could also mean substantially more people, who would impact various public facilities, including transportation infrastructure, public school capacity, and emergency services. By contrast, a solar energy facility places a very low impact use on land for multiple decades and causes no such impacts.

Question: Will infrastructure be put in place to guard against electromagnetic interference?
Response: No, because the facility is not a generator of electromagnetic interference.

<u>MAPS ILLUSTRATING THE PHYSICAL AND REGULATORY LANDSCAPE</u>
Question: Will the electric cables be overhead or underground?
Response: That has not yet been determined. Solariant's preference is underground. Research is currently underway regarding whether this aligns with local regulations. In previous solar efforts, Alachua County has been amenable to the undergrounding of utility infrastructure.

Question: Why here and not on other WACO Properties land?
Response: Partly due to the preference of the property owner, and partly because this is the closest property Solariant was able to find proximate to key utility infrastructure. As a solar energy collection facility moves further from a utility tie-in point, costs increase exponentially. The ideal location is less than one mile from field to the in-point.

Question: Why not build on Duke Energy's property, at the southwest corner of US 441 and CR 235A?
Response: That is a different property owner and a different negotiation. *Upon further investigation, the land area being discussed is a grouping of parcels owned by various property owners, not Duke Energy.*

Question: Why not build on a landfill?
Response: Landfills present numerous costly challenges related to infrastructure installation. Additionally, there are very costly remediation requirements that make building on a landfill cost-prohibitive.

Question: Why not build on environmentally damaged land, such as superfund sites?
Response: Development of any sort on that type of land requires very costly remediation that would make a project such as this economically infeasible.

Question: How large of a buffer will be put in place?
Response: The buffer will be 100 feet wide. This includes the maintenance of 20 feet of existing perimeter tree line, and 80 feet of open space to accommodate required landscaping.

Comment: You are disrupting a wildlife corridor. I propose you create uninterrupted passage points, similar to an eco-passage, through the facility to allow animals to travel.
Response: For insurance purposes, the facility needs to be fully fenced. For economic reasons, the number of panels cannot be reduced and produce the required energy output.

Question: From what road will the site be accessed?
Response: Site access is planned from Peggy Road. Access to the cemetery will be provided off of NW 173rd Street. Access from NW 138th Avenue was removed from the previous concept plan in response to feedback at the April 27, 2022, meeting. The site is estimated to generate approximately five (5) trips per month.

Comment: I propose you plant pollinators on the property.
Response: Solariant is amenable to this idea and has been looking into it since proposed at the April 27, 2022 neighborhood meeting.

NOISE VIDEOS
Question: How far away would one need to be from the panels to not hear them?
Response: The loudest part of a solar facility's infrastructure is the inverters, which produce noise comparable to a window or wall air conditioning unit. These will be placed internal to the site and positioned to direct the majority of noise away from the site's perimeter. An individual standing at the property line will not be able to hear the units.

Question: How loud is the sound of the panels shifting?
Response: The noise of panel movement is very minimal, to the point that one is unlikely to hear it standing near the panels. *Videos were played demonstrating noise levels, which were unnoticeable compared to the prairie dogs in the video.*

Question: Will the panels amplify the noise of large trucks on the nearby roadway?
Response: No, the site's topography will not increase adjacent traffic noise. The site's topography will also benefit sound capture, as the site slopes away from the public road.

SILVICULTURAL OPERATION
The team explained neighbors can expect to see silviculture activity in the area and onsite occurring on the property in the coming weeks. The team explained this is part of an approved Forest Management Plan on land owned by WACO Properties. Solariant made clear this harvesting had been planned prior to their interest in the property and should not be taken to mean construction of the solar energy collection facility is imminent.

Question: Will any tree line remain?
Response: Yes, a 20-foot buffer of trees is set to remain around the pertinent property lines.

Question: If Solariant was not attempting to build on this property, would the harvesting still occur?
Response: Yes, if Solariant were not attempting to build on this property, the onsite trees would be harvested and clear-cut to the property boundary. Solariant has requested a 20-foot buffer of trees be retained out of respect for the privacy of abutting property owners.

PRELIMINARY ENVIRONMENTAL ANALYSIS

A preliminary environmental assessment of the property was conducted on the property. The conceptual layout was revised to work around environmental features, buffering as appropriate. The results of this assessment were shared with attendees.

Comment: I am concerned about the impacts of this facility on wildlife. Specifically, I am concerned about the potential impacts to the Florida Panther that lives in the area.
Response: Our preliminary environmental assessment, conducted by a professional scientist, found no evidence of a Florida Panther in the area. *Neighbors offered to share photos and videos of said panther; CHW requested they do so. No photos have been received to date.*

Comment: The onsite water feature is used by area wildlife. I suggest you reroute your fencing to allow continued access.
Response: We will investigate the feasibility of excluding this area from fencing.

FENCING AND LANDSCAPING OPTIONS

Comment: With regards to fencing, six inches (6”) at the bottom of the fence is not wide enough for some animals. At a facility in Lake Butler, panels of fencing were left open during construction to let animals through.
Response: The fence being designed needs to strike a balance between local, state, and federal regulations as well as the needs of wildlife. Animals were not able to travel through the fence you are referring to once the facility was constructed. Small animals will be able to travel through this site when constructed. For insurance and security purposes, the facility needs to be fully fenced.

Comment: The fencing you show is ugly.
Response: Your comment is noted. Fencing choices are still being evaluated and not yet finalized. The fence will also be screened by landscaping.

The meeting began at 6:00 PM and was concluded at approximately 8:55 PM.

DECOMMISSIONING & RESTORATION PLAN

Introduction

Pleasant Solar LLC, a Florida limited liability company (the **"Applicant"),** has prepared this Decommissioning & Restoration Plan (the **"Plan")** to outline the methods and means to decommission the Pleasant Solar Project (the **"Project"**), located in the City of Alachua, FL on CR 235A, at the end of the Project's useful life. The purpose of the Plan is to identify the methodology to be used to mitigate potential impacts resulting from the cessation of operation of the Project. All decommissioning and restoration activities will adhere to the applicable local, state, and federal laws.

The Project is a 74.9 MWac solar generation facility with a minimum of 20 years expected useful life and an option to extend up to 40 years. The proposed solar generation facility configuration utilizes photovoltaic solar panels and approximately 22 inverters skids and medium voltage transformers. The proposed solar generation facility will interconnect into a new on-site Duke Energy Florida **("DEF")** owned transmission substation approximately 0.5 miles North of the Project site. The Project will be located on approximately +/- 350 acres of land on parcels secured via a lease agreement from a private landowner. Project components will be enclosed with fencing, consisting of approximately +/- 320 acres of panels and inverters and +/- 30 acres of substation equipment associated with the DEF interconnection.

The Applicant has developed this Plan for the proposed ground-mounted solar generation facility. Decommissioning cost budget of the Project will be developed based on final plans. The major components include ground-mounted solar arrays, collection lines, fencing, inverters, sectionalizing cabinet, and access roads.

The goal of decommissioning is the safe (including de-energization of the solar generation facility) and efficient removal of all solar energy facility components and reclamation of the site to conditions as close to pre-construction characteristics as possible where active crop production was underway. The same safety protocols that are used during construction will be used during decommissioning.

For decommissioning, the Applicant shall, as needed:

- Be responsible for all decommissioning costs;
- Acquire permits and develop a Stormwater Pollution Prevention Plan **("SWPPP")** to remove concrete foundations, pads, and fences, perform grading and completion of ground stabilization using revegetating or other means in accordance with permits and in compliance with all applicable rules and regulations then in effect governing;
- Commence work decommissioning, removing, and legally disposing and/or recycling of Project components;

- Remove and dispose of and/or recycle all associated equipment, including arrays, module racking, inverter structures, etc.;

- Removed materials shall be recycled, and/or salvaged to a reasonable extent practical and all waste streams shall be managed in accordance with the State's and local authority's waste hierarchy.

Anticipated Operational Life of the Project

Typically, solar modules (panels) have a useful operational life of approximately 30+ years. The Applicant will construct the solar arrays (consisting of multiple modules or panels) on leased land. Based on these terms, it is anticipated that the Project will be operational for at least 20 years with an option to extend up to 40 years.

At the end of its useful economic life, the Project will be decommissioned, and solar modules, collection lines, and associated equipment will be removed. Decommissioning will commence if the Project has not generated electricity for a period of 12 continuous months, unless the 12-month period of no energy output is the result of (a) a repair, restoration or improvement to an integral part of the Project that affects the generation of electricity and that repair, restoration or improvement is being diligently pursued by the Owner, or (b) a Force Majeure event. Force majeure includes, but is not limited to, causes or events beyond the reason- able control of, and without the fault or negligence of the party claiming Force Majeure, including acts of God, sudden actions of the elements such as floods, earthquakes, hurricanes, or tornadoes; sabotage; terrorism; war; riots; explosion; blockades; and insurrection. Typically, the decommissioning process is completed within 6 months. This timeframe depends on the size of the facility, time of year, and availability of qualified workforce.

Implementation Plan

The decommissioning will include disassembly and removal of associated equipment, removal of subsurface structures to a minimum depth of 24 inches below grade in non-agricultural land, and 48 inches below grade in agricultural land, and re-grading and re-seeding of disturbed areas. A professional salvaging company will be contracted to disassemble, remove, and recycle major Project components and materials.

- The Applicant will give the City of Alachua and other stakeholders 180-days advance notice prior to commencing decommissioning activities.

- Prior to commencing decommissioning, the Project will be shut down, de-energized and disconnected from the generation tie line at the Project collection substation. The Applicant will coordinate de-energization with DEF to ensure no disruption to the overall electrical system.

- Solar modules will be disconnected, collected, and disposed at an approved recycler or reused / resold on the market. Although the solar modules will not be producing maximum

power at the time of decommissioning, they are estimated to still produce approximately 80% of their original electricity output at year 30 and add value for many additional years.

- All aboveground and underground electrical interconnection and distribution cables no longer deemed necessary shall be removed and disposed off-site or recycled.

- Galvanized steel solar module support and racking system support posts shall be removed and disposed of (off-site) or recycled.

- Electrical and electronic devices, including transformers and inverters shall be removed and disposed of or recycled. The substation transformer and step-up transformers in the inverter units will be transported off-site to be sent back to the manufacturer, recycled, reused, or safely disposed off-site in accordance with current standards and best practices.

- Concrete foundations and support structures (incl. Inverter/Transformer foundations) will be broken down and shall be removed and disposed off-site by a licensed contractor.

- Fencing shall be removed and recycled at a metal recycling facility.

- Gravel roads will be left in place for the convenience of the lessor.

- Any trenching, holes, or elevation impacts caused by the removal of facilities will be filled and leveled to match existing grade.

Financial Assurance

The Applicant is committed to being accountable and environmentally responsible for all the solar facilities it owns, operates, or develops. All costs associated with the decommissioning of the Project will be the responsibility of the Applicant. The majority of the Project components will be reused, resold, or recycled, and it is anticipated that a large portion of the cost of decommissioning will be offset by these efforts.

APPROVED

CITY OF ALACHUA

PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

February 29, 2024

Submitted electronically to danikao@chw-inc.com

Danika Oliverio
Project Manager
CHW, Inc.
11801 Research Dr
Alachua, Fl 32615

Application #: PSP23-0011; PSE23-0001

RE: Pleasant Solar – Alternative Landscape Plan Determination

Dear Ms. Oliverio,

On February 29, 2024 the City of Alachua received your revised request for an alternative landscape plan for the Pleasant Solar Site Plan and Special Exception Permit applications. The Pleasant Solar applications propose the construction of a ± 74.9 MWac solar facility located in the Agricultural (A) and Residential Single Family-4 (RSF-4) zoning districts on a ± 321.49-acre subject property (tax parcel 03894-000-000; 03898-000-000).

Section 6.2.2(D)(10)(a) of the City of Alachua Land Development Regulations (LDRs) states: "an alternative landscape plan may be used where unreasonable or impractical situations would result from application of this section, or to replace a damaged tree pursuant to Subsection 6.2.1 of this section, alternative plans, materials or methods may be justified from natural conditions, such as streams, natural rock formations, topography and physical conditions related to the site. Also, the lot configuration and utility easements may justify an alternative landscape plan."

Section 6.2.2(D)(10)(b) of the LDRs establish allowable deviations, including:

(i) "A reduction in the total number of required trees and/or alteration of the spacing requirements between trees when underground connections to public facilities or public utilities, or public easements or rights-of-way, are located upon or in close proximity to the parcel or whenever a fewer number of trees would be more desirable in terms of good landscape planning practice.

(ii) A reduction in the count, spacing, or species diversity standards which would be more desirable in terms of good landscape planning practice considering the nature of the parcel and adjacent parcels.

(iii) Up to a 33 percent reduction in the total number of required trees provided that the cumulative caliper size of all trees to be planted meets or exceeds the total caliper inches that would have been provided otherwise."

The applicant provided a proposed alternative landscape plan on February 29, 2024, including justification. The applicant contends that "trees directly impact solar production by (1) casting shade along solar panels, (2) presenting possible equipment damage from falling branches/debris, and (3) may present a fire hazard if placed near electrical equipment. Proper landscape planning practices recommend consideration of the anticipated canopy sizes for mature trees", which may be constrained due to the nature of a solar facility.

The alternative plan proposes calculating the required number of plantings based on solely the proposed planting area demonstrated in the attached proposed alternative plan. The proposed plan would result in a reduction from 7,711 total trees required to 1,471 total trees required to be planted. This alternative plan would not affect the mitigation calculations. The proposed alternative plan also calls out proposed plantings and planting arrangements on a typical cross section. A landscape plan is still required to be submitted as part of the Site Plan and Special Exception Permit applications that complies with the alternative landscape plan.

Upon reviewing the request for an alternative landscape plan for the Pleasant Solar Site Plan and Special Exception Permit applications, the LDR Administrator hereby finds that the applications meet the qualifications to apply an alternative landscape plan and approves the alternative landscape plan requirements as submitted on February 29, 2024, and attached to this letter. This approval does not eliminate the requirement to comply with all other applicable provisions of the City's LDRs, including but not limited to Sections 2.4.4, 2.4.9, 4.3.2(I)(3), and 6.3. The alternative landscape plan is not to be construed as an approved fencing plan nor an approved landscape plan and the approval of the alternative landscape plan only applies as to establishing alternative site landscaping and buffering requirements as described in the attached alternative plan.

Include this letter and the alternative landscape plan requirements in all future submissions of the Pleasant Solar Site Plan and Special Exception Permit applications. Reference this letter on the landscape plans associated with these applications.

If you have any questions related to the information above, please contact the Planning & Community Development Department at 386-418-6121.

Sincerely,

Mike DaRoza
City Manager / LDR Administrator

Attachments: Alternative Landscape Plan Requirements (Dated 2/29/2024)

cc: Kathy Winburn, Planning & Community Development Director *(by electronic mail)*
Adam Hall, AICP, Principal Planner *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
Carson J. Crockett, AICP Candidate, Planner *(by electronic mail)*
Project File

MEMORANDUM

Pleasant Solar

21-0275

CHW Professional Consultants

To: **Mike DeRoza, City Manager/LDR Administrator**
From: **John-Michael Simpson, PLA**
Date: **2/29/2024**
RE: **Pleasant Solar – Alternative Landscape Plan**

Alternative Landscape Plan Summary

Due to the proposed use, lot configuration, and utility constraints, CHW is submitting a request to use an alternative landscape plan to fulfill site landscape requirements on the project site in accordance with Section 6.2.2(D)(10). Specifically, it is unreasonable and impractical to apply the standards of this section since a solar facility is negatively impacted by the shade created from the required landscape plantings.

The alternative landscape items are detailed below, and attached to this letter is an exhibit highlighting the proposed alternative landscape calculations and supporting planting area exhibits.

Code Reference:

(10) Alternative landscape plan.

(a) Generally. An alternative landscape plan may be used where unreasonable or impractical situations would result from application of this section, or to replace a damaged tree pursuant to Subsection 6.2.1 of this section, alternative plans, materials or methods may be justified from natural conditions, such as streams, natural rock formations, topography and physical conditions related to the site. Also, the lot configuration and utility easements may justify an alternative landscape plan.

(b) Allowable deviations. The LDR Administrator shall approve an alternative landscape plan. Allowable deviations from the standards of this section include, but are not limited to the following:

(i) A reduction in the total number of required trees and/or alteration of the spacing requirements between trees when underground connections to public facilities or public utilities, or public easements or rights-of-way, are located upon or in close proximity to the parcel or whenever a fewer number of trees would be more desirable in terms of good landscape planning practice.

(ii) A reduction in the count, spacing, or species diversity standards which would be more desirable in terms of good landscape planning practice considering the nature of the parcel and adjacent parcels.

Requested Alterations:

Site Landscape Requirements:

This project involves the construction of a utility scale solar power plant in an area zoned for single family residential and agriculture. The project is adjacent to industrial land uses, agricultural property, and some single family residential. The existing property has traditionally been used for agriculture and as a result is largely clear of existing tree canopy. There are 2,162 regulated trees currently on the 320.5 acre site which is 6.75 trees per acre.

The proposed solar site consists of approximately 280.5 acres of solar panels, electric power inverters, battery storage banks, buried electrical cables, and maintenance paths (88% of the site). The solar array is set within a 100’ wide perimeter setback which includes a 25’ fire break/maintenance path, open space, and a 15’ wide landscape buffer. This 100’ perimeter setback creates approximately 40.87 acres of space with 26 acres of that space available for planting.

Per code, there are no landscape requirements for permitting a solar energy utility project. However, a major utility project is classified as a public/institutional land use, which would require 21 trees pre acre to be planted on site in addition to the required buffer plantings. Since the purpose of a solar energy facility is to absorb the maximum amount of available sunlight across the site, shading created by canopy trees which is typically desirable on other land uses instead poses a significant obstacle. Trees directly impact solar production by (1) casting shade along solar panels, (2) presenting possible equipment damage from falling branches/debris, and (3) may present a fire hazard if placed near electrical equipment.

Proper landscape planning practices recommend consideration of the anticipated canopy sizes for mature trees when selecting species and proper spacing of a landscape. This is necessary to avoid over-shading and creating a poor habit for tree growth. Since trees must compete with each other for sunlight, moisture, and nutrients, overcrowding can impact the quality of the future canopy and structure of the trees. When trees are planted in a very dense manner, they will typically focus much of their energy on growing vertically and have limited ability to spread out horizontally. This often results in trees with a very uniform caliper (trunk) size, from top to bottom, which can reduce the structural integrity of the tree and result in significantly smaller canopies. The City's land development regulations require site landscape plantings that take into consideration the appropriate spacing required for trees. Alachua County provides an estimated canopy size of typical trees in area at 20 years. Using the information from the County, along with a diverse tree selection, the code requirements would require approximately 83 acres of space, at 20 years, to provide a typical healthy area for growth. This represents approximately 25% of the existing site area and would present a significant reduction in solar production area.

We propose to calculate the site landscape requirements based on the "plant-able" land that falls outside the main solar energy production area, as well as the 25' fire/maintenance path, as this area cannot be feasibly planted with understory or canopy trees. **The alternative landscape plan requests that we restrict the site calculations to the plant-able perimeter area around the site which is 26 acres in area.**

This will result in a requirement of 338 canopy trees and 208 understory trees for the site landscape. When combined with the buffer plantings the total landscape requirement will be 1,471 trees which is 47.42 trees per acre. These trees would then be placed along the perimeter of the property which will provide a dense visual screen for the proposed solar array. Placing the trees along the perimeter of the site will also allow us to (1) reduce potential shading impact to the solar panels and (2) reduce fire risks by keeping the vegetation further from the high voltage electrical equipment located around the solar panels.

Perimeter Buffer Requirements:
This site has an 18,641 linear foot perimeter. The perimeter area contains many existing trees and is adjacent to some existing overhead utilities. The required landscape buffers that are located along the perimeter are up to 15 feet in width and that area includes 343 existing trees that are at least 8" in diameter at breast height (DBH). The location of these trees along with other existing trees and overhead utilities along portions of the perimeter buffer make planting new trees impractical in some locations. **This alternative plan proposes relocating some of the required buffer landscape to adjacent areas just outside the buffer area but still within the 100' setback area for the solar panels.** Relocating some of the required landscape will help to mitigate impacts to existing utilities and the existing vegetation while still being able to provide screening for the proposed development.

Cemetery Buffer Requirements:
The solar project also surrounds an existing 2,100 sq. ft. small, family cemetery plot. Per LDR Administrator Interpretation PLDR24-0009, this area will require a 100' buffer from the existing 4-foot chain link fence of the cemetery to the perimeter fence surrounding the solar array. The cemetery land use as parks/open space requires a 10' wide Type D landscape buffer. Seeing as this cemetery is central to the main solar array, the required canopy trees in the landscape buffer would pose significant impacts to the surrounding solar panels and electrical equipment. **The alternative landscape plan proposes to utilize shrubs to fulfill the landscape buffer requirements for this area.** A dense continuous hedge can provide an opaque visual screen to reduce the impact of the surrounding solar panels from the cemetery site.

PROPOSED PLANTING AREA (26.00 ACRES)

25' FIRE PATH (9.86 ACRES)

100' BUFFER FROM EXISTING 4' CHAIN LINK FENCE FOR GRAVEYARD (0.2 ACRES) PLDR24-0009

PERIMETER BUFFER (5.02 ACRES)

SOLAR PANEL ARRAY (280.5 ACRES)

GRAPHIC SCALE
0 100 200 400

N

11801 Research Drive
Alachua, FL 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA LA0001683
CHW Professional Consultants

SCALE: 1"=200'

VERIFY SCALE
BAR IS 1" INCH ON
ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON
THIS SHEET ADJUST
SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
02/29/2024 - LANDSCAPE AREA EXHIBIT

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

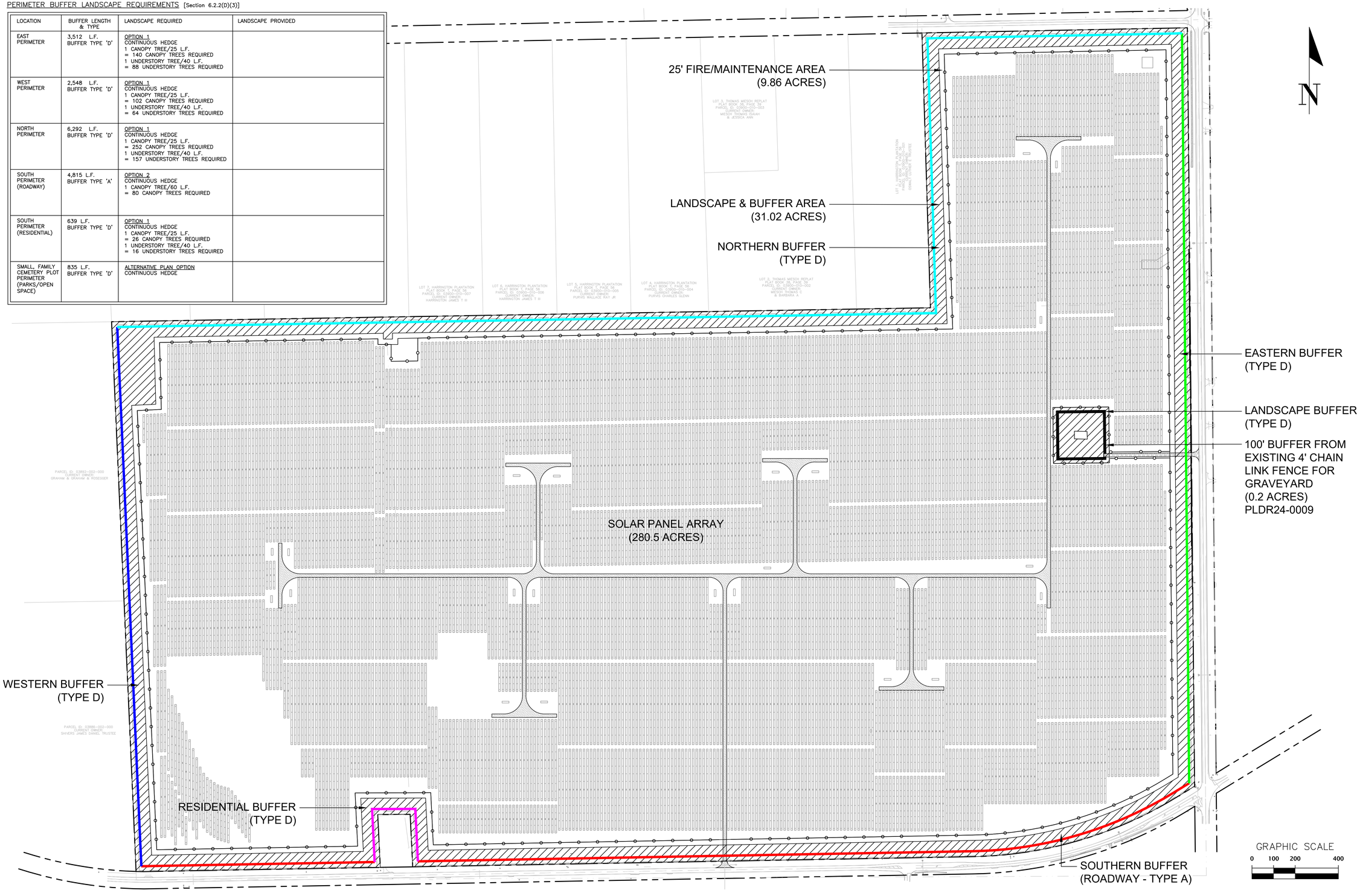
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: C. TOLAR
PROJECT NUMBER: 21-0275

SHEET NO.:

PERIMETER BUFFER LANDSCAPE REQUIREMENTS [Section 6.2.2(D)(3)]

LOCATION	BUFFER LENGTH & TYPE	LANDSCAPE REQUIRED	LANDSCAPE PROVIDED
EAST PERIMETER	3,512 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 140 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 88 UNDERSTORY TREES REQUIRED	
WEST PERIMETER	2,548 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 102 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 64 UNDERSTORY TREES REQUIRED	
NORTH PERIMETER	6,292 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 252 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 157 UNDERSTORY TREES REQUIRED	
SOUTH PERIMETER (ROADWAY)	4,815 L.F. BUFFER TYPE 'A'	OPTION 2 CONTINUOUS HEDGE 1 CANOPY TREE/60 L.F. = 80 CANOPY TREES REQUIRED	
SOUTH PERIMETER (RESIDENTIAL)	639 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 26 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 16 UNDERSTORY TREES REQUIRED	
SMALL, FAMILY CEMETERY PLOT PERIMETER (PARKS/OPEN SPACE)	835 L.F. BUFFER TYPE 'D'	ALTERNATIVE PLAN OPTION CONTINUOUS HEDGE	



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Professional Consultants

SCALE: 1"=200'
VERIFY SCALE BAR IS CORRECT FOR PLOTTED SIZE
0 IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY.
1"

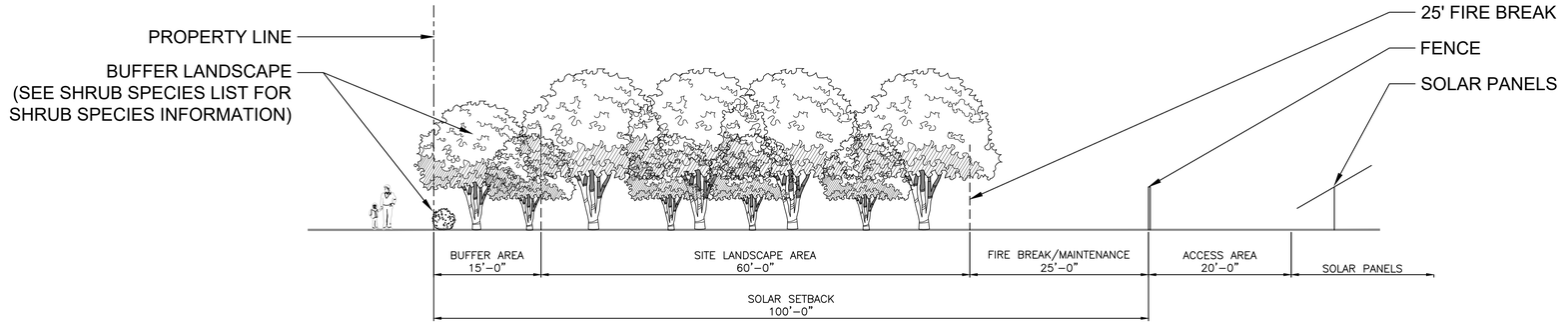
CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
02/29/2024 - LANDSCAPE BUFFER EXHIBIT

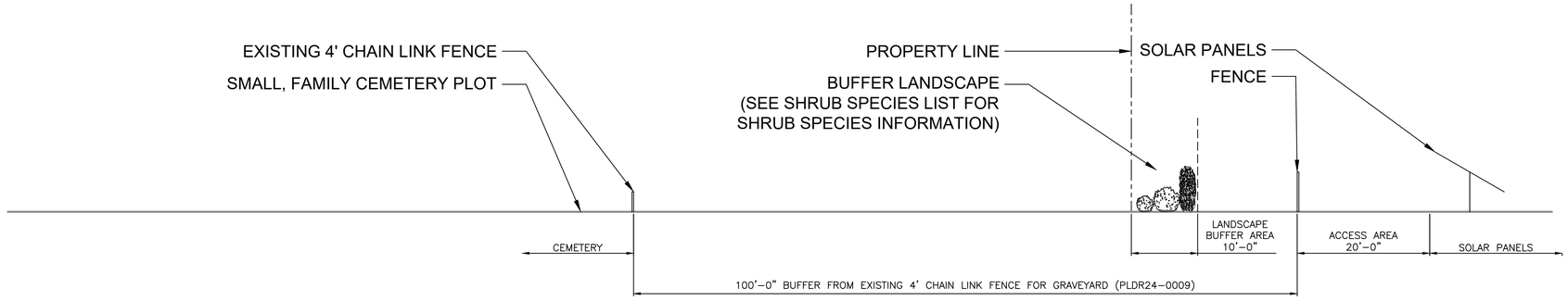
CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: C. TOLAR
PROJECT NUMBER: 21-0275

SHEET NO.:



PERIMETER SETBACK AND BUFFER SECTION
SCALE: N.T.S.



CEMETERY SETBACK AND BUFFER SECTION
SCALE: N.T.S.

SHRUB SPECIES LIST
PERIMETER BUFFER:
SWEET VIBURNUM
DWARF BURFORD HOLLY
BOXWOOD
MRS. SCHILLER'S DELIGHT VIBURNUM
CEMETERY BUFFER:
PODOCARPUS
SWEET VIBURNUM
DWARF BURFORD HOLLY

GRAPHIC SCALE
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SCALES ACCORDINGLY.
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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
02/29/2024 - LANDSCAPE BUFFER EXHIBIT

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE SECTION

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: C. TOLAR
PROJECT NUMBER: 21-0275

SHEET NO.:

LANDSCAPE REQUIREMENTS (PER ALTERNATIVE LANDSCAPE PLAN)

LANDSCAPED AREA REQUIREMENT

PER CITY OF ALACHUA COMPREHENSIVE PLAN FUTURE LAND USE ELEMENT, POLICY 2.4.A

TOTAL SITE AREA.....320.50 ACRES
ADJUSTED SITE AREA.....26.00 ACRES

SITE LANDSCAPE CALCULATIONS [Sec. 6.2.2(D)(1)(c)]*

DESCRIPTION	TREE REQUIREMENTS	TREES PROVIDED
PRIMARY SIDE CANOPY TREES (EAST SIDE)	4 TREES PER ACRE X 26.00 ACRES = 104 CANOPY TREES REQUIRED	
REAR SIDE CANOPY TREES (WEST SIDE)	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	
SOUTH SIDE CANOPY TREES	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	
NORTH SIDE CANOPY TREES	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	
SITE UNDERSTORY TREES	8 UNDERSTORY TREES PER ACRE X 26.00 ACRES = 208 TREES REQUIRED 50% IN FRONT (EAST SIDE) = 104 TREES REQUIRED 25% ON NORTH SIDE = 52 TREES REQUIRED 25% ON SOUTH SIDE = 52 TREES REQUIRED	

PERIMETER BUFFER LANDSCAPE REQUIREMENTS [Section 6.2.2(D)(3)]

LOCATION	BUFFER LENGTH & TYPE	LANDSCAPE REQUIRED	LANDSCAPE PROVIDED
EAST PERIMETER	3,512 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 140 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 88 UNDERSTORY TREES REQUIRED	
WEST PERIMETER	2,548 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 102 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 64 UNDERSTORY TREES REQUIRED	
NORTH PERIMETER	6,292 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 252 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 157 UNDERSTORY TREES REQUIRED	
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SMALL, FAMILY CEMETERY PLOT PERIMETER (PARKS/OPEN SPACE)	835 L.F. BUFFER TYPE 'D'	ALTERNATIVE PLAN OPTION CONTINUOUS HEDGE	

CANOPY AND UNDERTORY TREE REQUIREMENT SUMMARY

LANDSCAPE REQUIREMENTS	TREE TYPE BREAKDOWN
SITE REQUIREMENTS	338 CANOPY TREES 208 UNDERSTORY TREES
BUFFER REQUIREMENTS	600 CANOPY TREES 325 UNDERSTORY TREES
TOTAL REQUIREMENTS	938 CANOPY TREES 533 UNDERSTORY TREES 1,471 TOTAL TREES

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS: 02/29/2024 - LANDSCAPE REQUIREMENTS EXHIBIT

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE REQUIREMENTS COMPARISONS

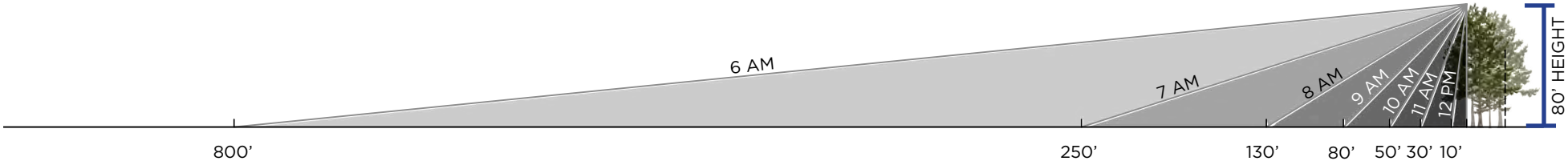
TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: C. TOLAR
PROJECT NUMBER: 21-0275

SHEET NO.:

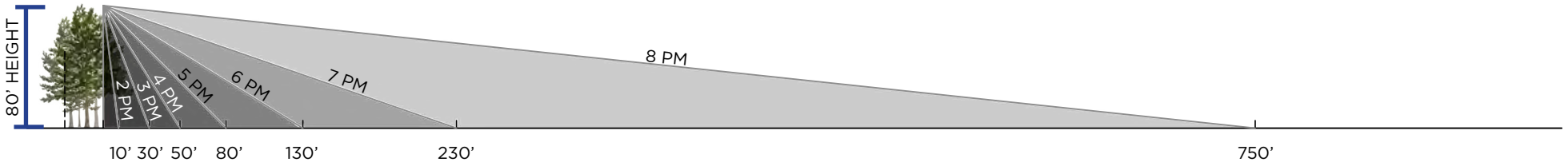
Tech: john-michaels Plot Date: Feb 28,2024 7:04pm Filename: N:\2021\21-0275\Departments\03_Design\02_DWGs\01_Permitting\21-0275 Design Base_JM53.dwg

SHADOW ANALYSIS (SECTION VIEW)

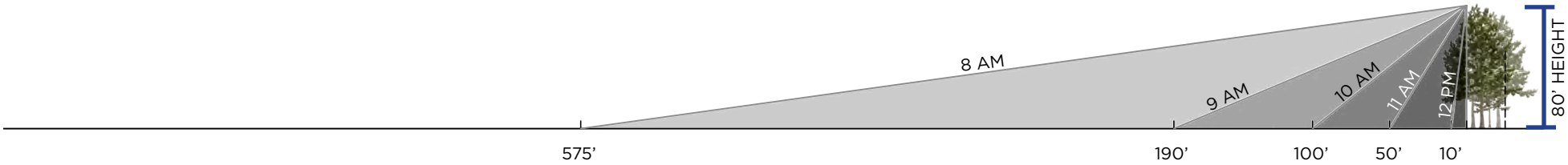
JUNE 20 (MORNING)



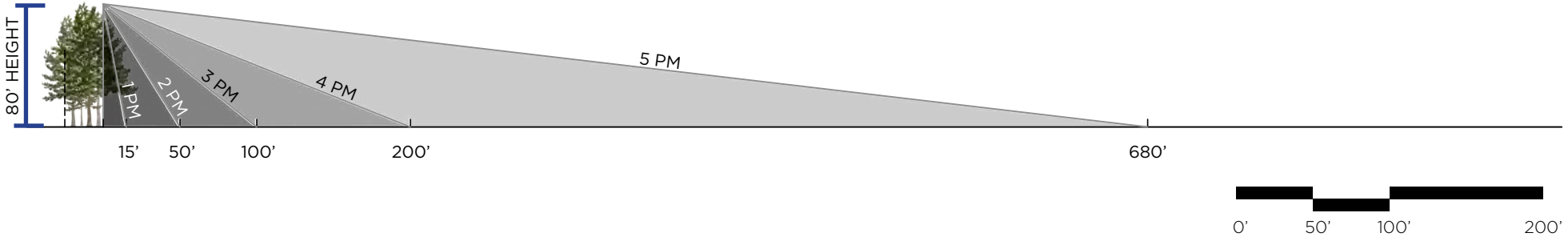
JUNE 20 (AFTERNOON)



DECEMBER 20 (MORNING)



DECEMBER 20 (AFTERNOON)



SHADOW ANALYSIS (PLAN VIEW)

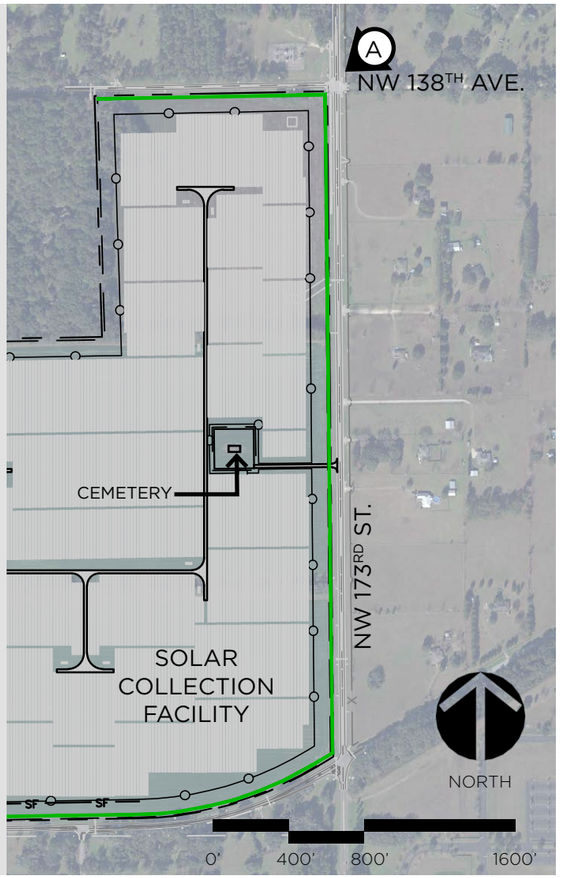
JUNE 20 (AFTERNOON) (80’ CANOPY HEIGHT)



DECEMBER 20 (AFTERNOON) (80’ CANOPY HEIGHT)



LOCATION MAP



PERSPECTIVE A - EXISTING



PERSPECTIVE A - PER CODE (AT INSTALLATION)

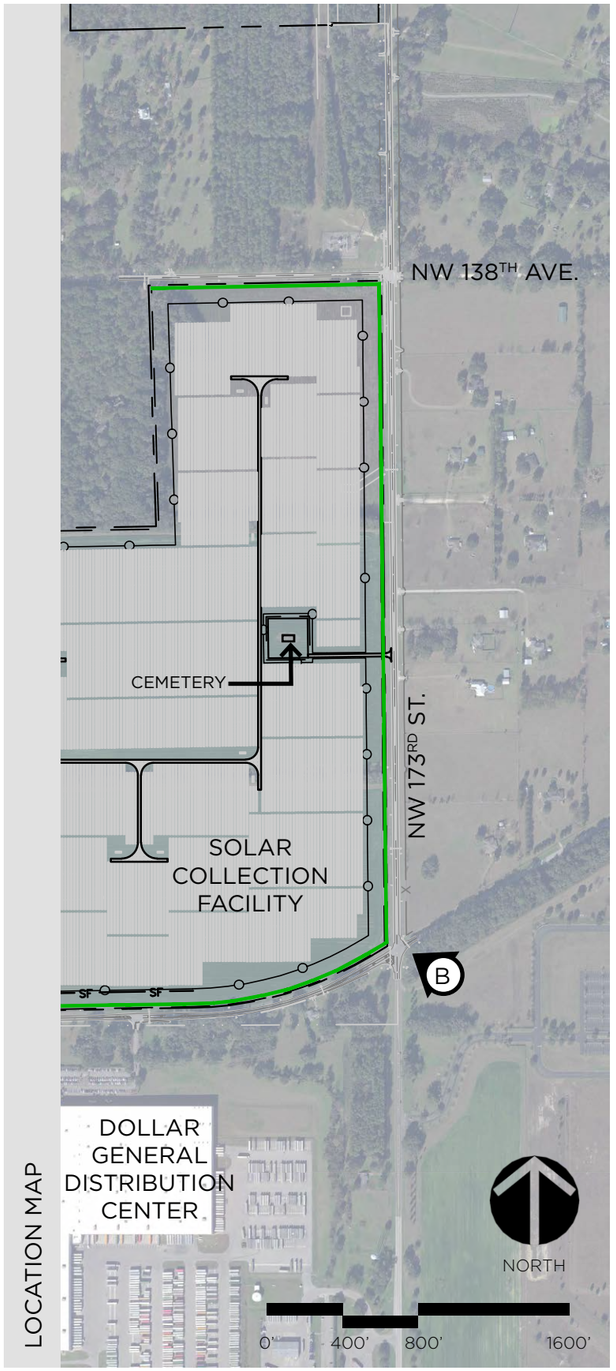


PERSPECTIVE A - PER CODE (+10 YEARS)

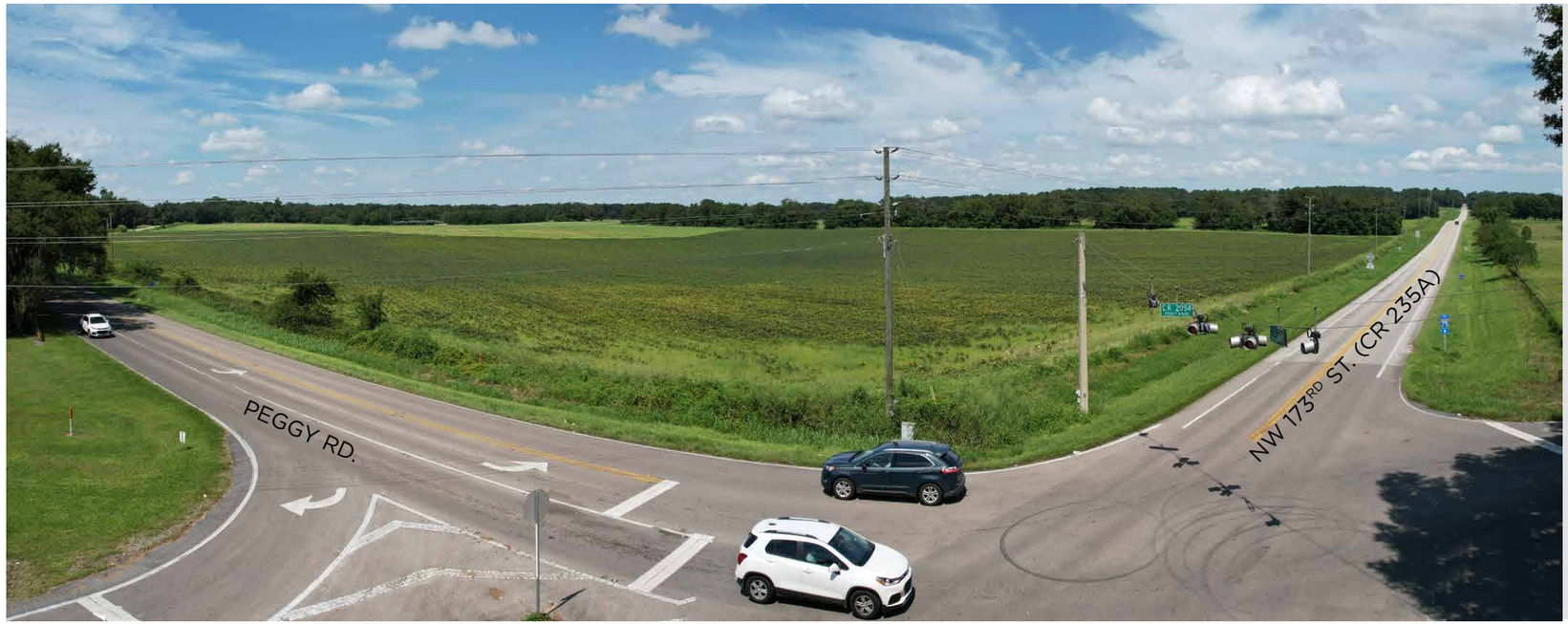


PLEASANT SOLAR | PERSPECTIVE A (CODE-MINIMUM) | 12-20-2023

SOLARIANT | CHW Professional Consultants



LOCATION MAP



PERSPECTIVE B - EXISTING



PERSPECTIVE B - PER CODE (±10 YEARS)

MEMORANDUM

Pleasant Solar

21-0275

CHW Professional Consultants

To: City of Alachua

From: Andy Woodruff (CHW Ecological Services)

Date: 12/22/2023

RE: Pleasant Solar Perimeter Fencing and Wildlife Corridor

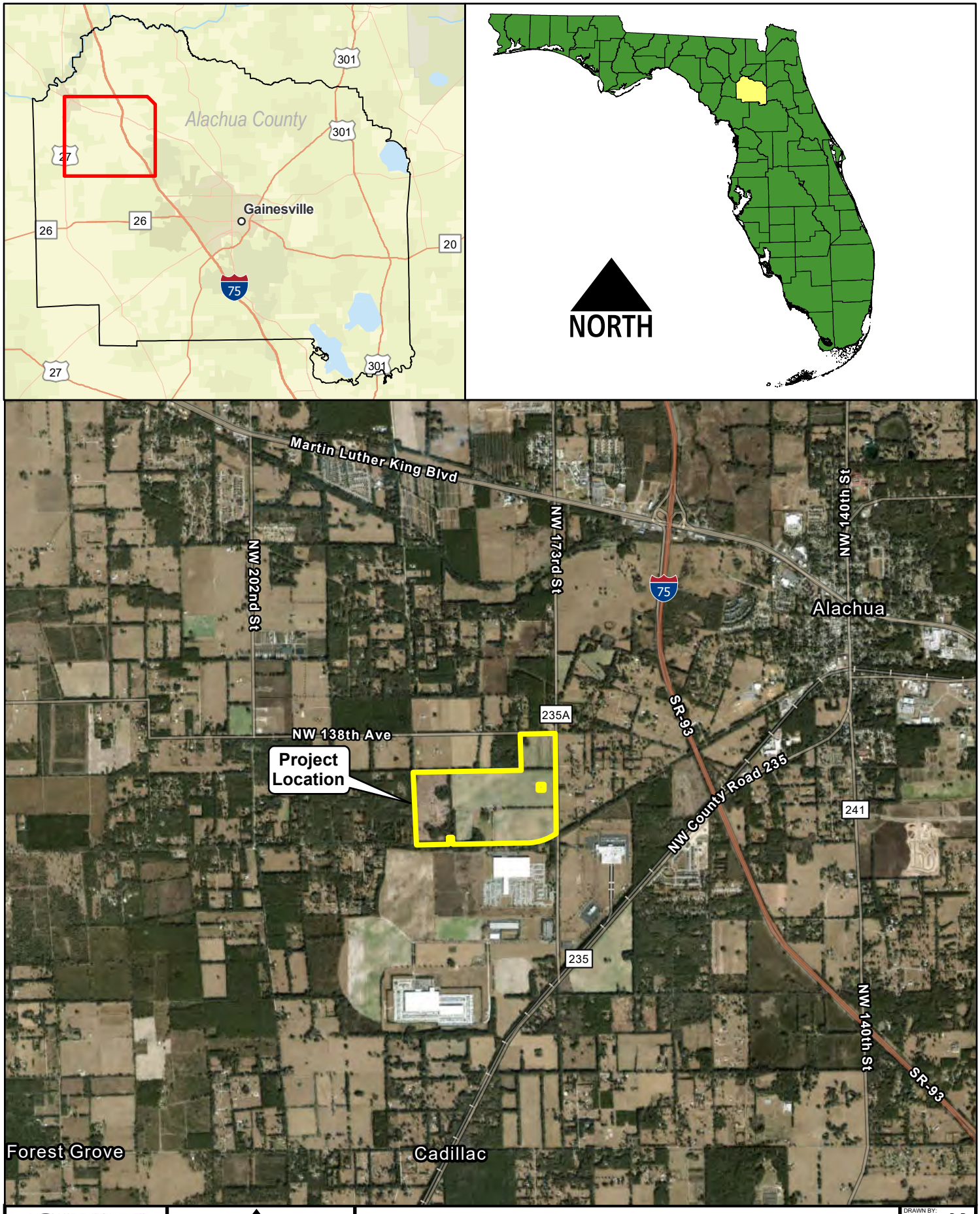
Current utilization by wildlife likely includes a variety of mammals, reptiles and amphibians, birds, and invertebrates that are known to inhabit disturbed ecosystems. Use of the site by large and medium sized mammals is already limited by its position in the landscape and limited existing native habitat conditions (Exhibit 1). The proposed site does not bisect large natural areas or otherwise serve as a significant regional corridor for wildlife movement (Exhibits 2 and 3). Past agricultural and silvicultural use of the property has limited available habitat for wildlife utilization in the proposed solar field and surrounding areas. Corridors for wildlife at this location are interrupted to the south by existing abutting roads and industrial developments, to the north by open agricultural areas, and to the east by abutting roadways and residential development (Exhibit 4). The site is not a critical link to adjacent protected areas of ecological significance.

From May 25 to May 27, 2022, TRC Environmental Corporation biologists conducted onsite surveys for state and federally listed species (Threatened and Endangered Species Habitat Assessment Report, December 2022). TRC identified no listed wildlife species present. Furthermore, based on TRC's onsite evaluation, the potential likelihood for listed wildlife species occurrence was determined to either be "none" or "low" based on lack of habitat conditions to support either foraging or nesting.

For safety and security purposes the proposed Pleasant Solar facility must provide for perimeter fencing that will limit movement across the site by large and medium sized mammals. In accordance with Chapter 110.31 of the National Electrical Code: "*For installations other than equipment as described in 110.31(D), a wall, screen, or fence shall be used to enclose an outdoor electrical installation to deter access by persons who are not qualified. A fence shall not be less than 2.1 m (7 ft) in height or a combination of 1.8 m (6 ft) or more of fence fabric and a 300 mm (1 ft) or more extension utilizing three or more strands of barbed wire or equivalent.*"

The desire to allow fence permeability into the proposed solar field for large and medium sized mammals will conflict with site security concerns and does not appear warranted based on existing and proposed onsite habitat conditions and limited surrounding natural resources.

In order to provide for some continued wildlife compatibility with the proposed solar use, there is a plan of plantings within a 100-foot setback strip surrounding the solar field (Exhibit 5). The groundcover within the solar field will be planted with a low maintenance, pollinator friendly, seed mix to increase biodiversity and benefit pollinating invertebrates. Between the solar field security fencing and the property line there is a proposed 100-foot setback which includes: over one thousand existing trees to be preserved, a 25-foot wide clear fire safety strip, and a 75-foot width for site/buffer landscape plantings. This 100-foot perimeter area will act as a wildlife corridor for continued linkage around the project site, while maintaining security and a visual barrier for neighboring land uses. The 100-foot corridor will incorporate existing mature trees and a planting plan to include a majority native and naturalized trees, shrubs, and groundcover.



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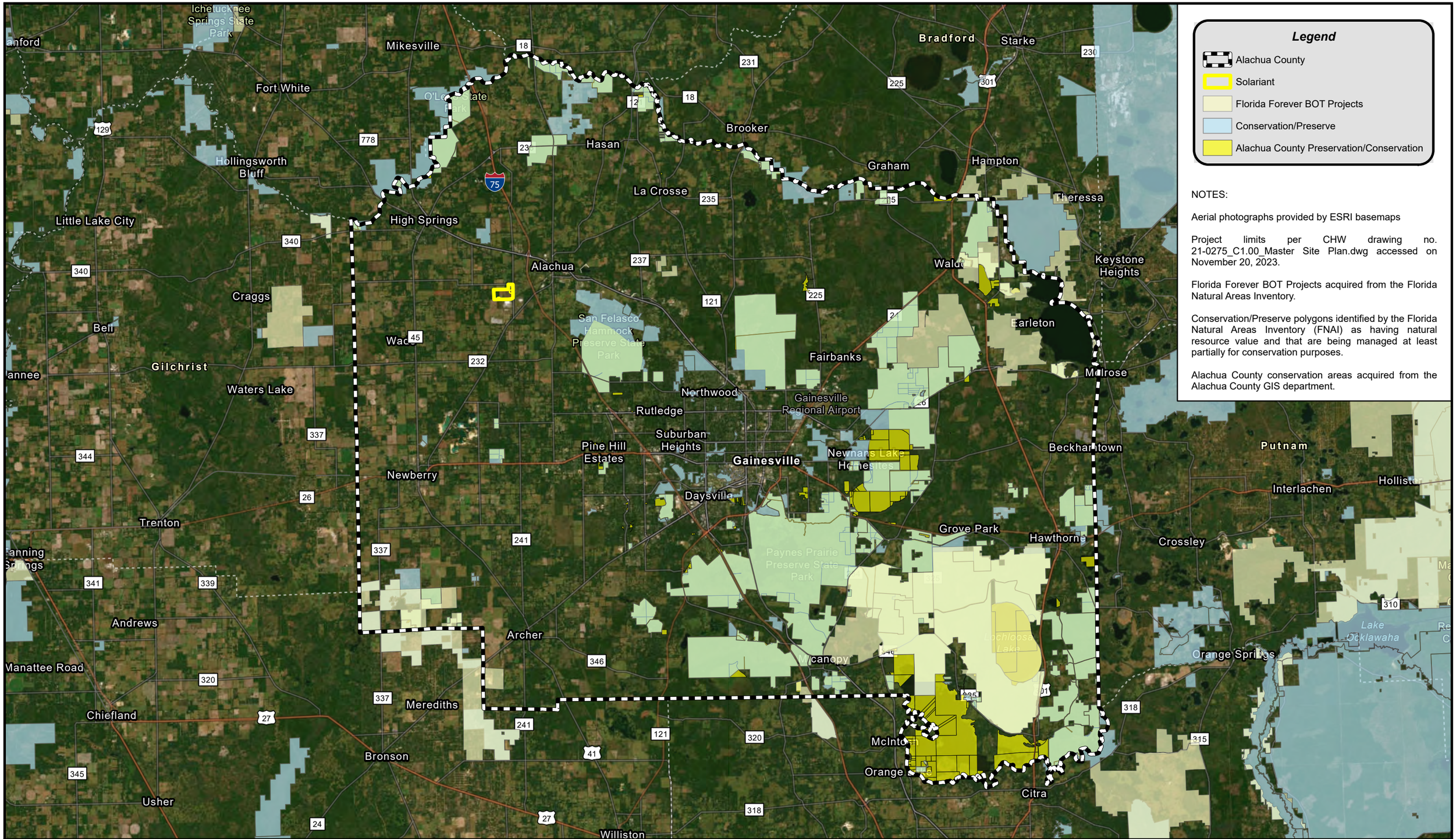
NORTH
0 0.5 1
Miles

Project Location Map
Pleasant Solar

DRAWN BY:	D.B.
DRAWING DATE:	11/20/23
REVIEWED BY:	A.W.
EXHIBIT NUMBER:	Exhibit 1

Document Path: N:\2021\21-0275\Admin & Information\07_Maps\GIS\APRX\Wildlife_Corridor\Corridor\Corridor.aprx Prepared by: DB Date: 11/21/2023



NOTES:

Aerial photographs provided by ESRI basemaps

Project limits per CHW drawing no. 21-0275_C1.00_Master Site Plan.dwg accessed on November 20, 2023.

Florida Forever BOT Projects acquired from the Florida Natural Areas Inventory.

Conservation/Preserve polygons identified by the Florida Natural Areas Inventory (FNAI) as having natural resource value and that are being managed at least partially for conservation purposes.

Alachua County conservation areas acquired from the Alachua County GIS department.

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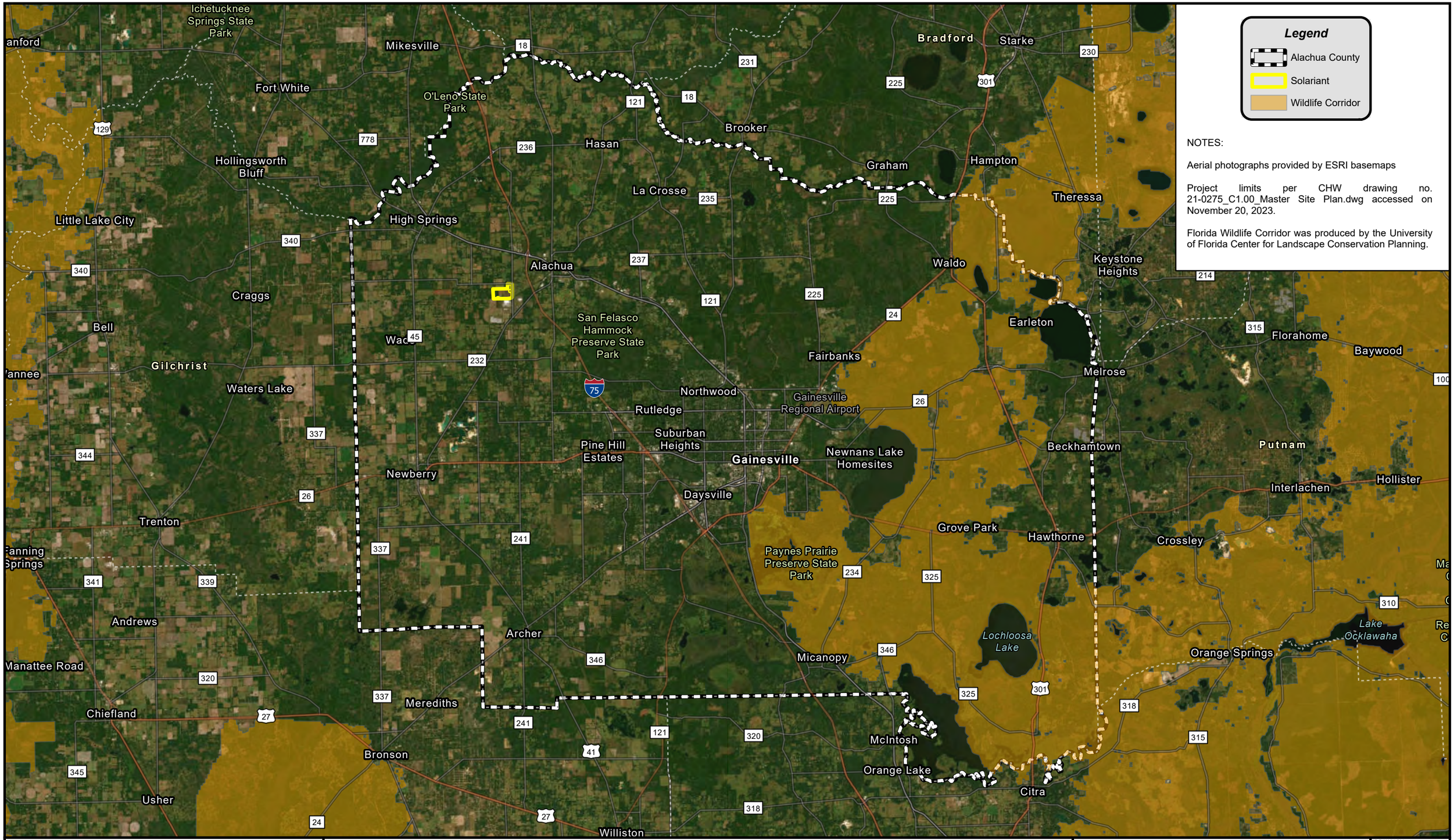
Regional Aerial with Protected Lands
Pleasant Solar

0 4 8
Miles

NORTH

DRAWN BY: D.B.
DRAWING DATE: 11/21/23
REVIEWED BY: A.W.
EXHIBIT NUMBER: Exhibit 2

Document Path: N:\2021\21-0275\Admin & Information\07_Maps\GIS\APRX\Wildlife_Corridor\Corridor\Corridor.aprx Prepared by: DB Date: 11/21/2023



Legend

- Alachua County
- Solariant
- Wildlife Corridor

NOTES:

Aerial photographs provided by ESRI basemaps

Project limits per CHW drawing no. 21-0275_C1.00_Master Site Plan.dwg accessed on November 20, 2023.

Florida Wildlife Corridor was produced by the University of Florida Center for Landscape Conservation Planning.

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Regional Aerial with Florida Wildlife Corridor
Pleasant Solar

0 4 8
Miles

NORTH

DRAWN BY: D.B.
DRAWING DATE: 11/21/23
REVIEWED BY: A.W.
EXHIBIT NUMBER: Exhibit 3

Document Path: N:\2021\21-0275\Admin & Information\07_Maps\GIS\APRX\Wildlife_Corridor\Corridor\Corridor.aprx Prepared by: DB Date: 11/21/2023

Legend

Property Boundary

NOTES:

Aerial photographs provided by the Florida Department of Transportation and were flown in 2022.

Project limits per CHW drawing no. 21-0275_C1.00_Master Site Plan.dwg accessed on November 20, 2023.



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Aerial With Boundary
Pleasant Solar

0 500 1,000
US Feet

NORTH

DRAWN BY:	D.B.
DRAWING DATE:	11/20/23
REVIEWED BY:	A.W.
EXHIBIT NUMBER:	Exhibit 4

Document Path: N:\2021\21-0275\Admin & Information\07_Maps\GIS\APRX\Wildlife_Corridor\Corridor\Corridor.aprx Prepared by: DB Date: 11/21/2023

Legend

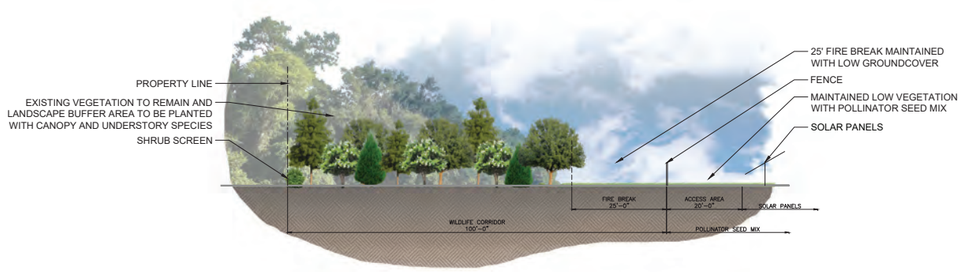
- Property Boundary
- Perimeter Fence
- Wildlife Corridor

NOTES:

Aerial photographs provided by the Florida Department of Transportation and were flown in 2022.

Project limits and wildlife fence per CHW drawing no. 21-0275_C1.00_Master Site Plan.dwg accessed on November 20, 2023.

TYPICAL WILDLIFE CORRIDOR SECTION (A-A')



A

A'

NW 138th Ave

235A

NW 173rd St

Cemetery

Peggy Rd

Peggy Rd

Peggy Rd

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Wildlife Corridor
Pleasant Solar

0 500 1,000
US Feet

NORTH

DRAWN BY: D.B.
DRAWING DATE: 11/20/23
REVIEWED BY: A.W.
EXHIBIT NUMBER: Exhibit 5

Document Path: N:\2021\21-0275\Admin & Information\07_Maps\GIS\APRX\Wildlife_Corridor\Corridor\Corridor.aprx Prepared by: DB Date: 11/21/2023

Kirkland
Appraisals, LLC

Richard C. Kirkland, Jr., MAI
9408 Northfield Court
Raleigh, North Carolina 27603
Phone (919) 414-8142
rkirkland2@gmail.com
www.kirklandappraisals.com

June 18, 2022

Mr. Andrew Cerrato
Solariant Capital, LLC
301 North Lake Avenue, Suite 950
Pasadena, CA 91101

RE: Pleasant Solar Project – Property Value Impact Study

Mr. Cerrato

At your request, I have considered the impact of a solar farm proposed to be constructed on a portion of a 320-acre tract located off NW 138th Avenue, Alachua, Alachua County, Florida. Specifically, I have been asked to give my professional opinion on whether the proposed solar farm will have any impact on adjoining property value and whether "the location and character of the use, if developed according to the plan as submitted and approved, will be in harmony with the area in which it is to be located."

To form an opinion on these issues, I have researched and visited existing and proposed solar farms in Florida as well as other states, researched articles through the Appraisal Institute and other studies, and discussed the likely impact with other real estate professionals. I have not been asked to assign any value to any specific property.

This letter is a limited report of a real property appraisal consulting assignment and subject to the limiting conditions attached to this letter. My client is Solariant Capital, LLC, represented to me by Mr. Andrew Cerrato. My findings support the Application. The effective date of this consultation is June 18, 2022.

Conclusion

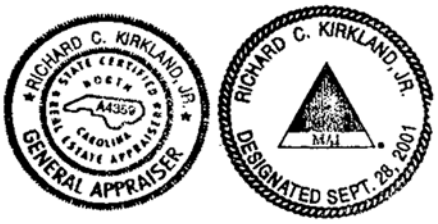
The matched pair analysis shows no impact in home values due to abutting or adjoining a solar farm as well as no impact to abutting or adjacent vacant residential or agricultural land. The criteria that typically correlates with downward adjustments on property values such as noise, odor, and traffic all indicate that a solar farm is a compatible use for rural/residential transition areas and that it would function in a harmonious manner with this area.

Very similar solar farms in very similar areas have been found by hundreds of towns and counties not to have a substantial injury to abutting or adjoining properties, and many of those findings of no impact have been upheld by appellate courts. Similar solar farms have been approved adjoining agricultural uses, schools, churches, and residential developments.

Based on the data and analysis in this report, it is my professional opinion that the solar farm proposed at the subject property will have no impact on the value of adjoining or abutting property and that the proposed use is in harmony with the area in which it is located. I note that some of the positive implications of a solar farm that have been expressed by people living next to solar farms include protection from future development of residential developments or other more intrusive uses, reduced dust, odor and chemicals from former farming operations, protection from light pollution at night, it's quiet, and there is minimal traffic.

If you have any further questions please call me any time.

Sincerely,



Richard C. Kirkland, Jr., MAI
NC Certified General Appraiser #A4359
FL Certified General Appraiser # RZ3950

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I. Proposed Project and Adjoining Uses

Proposed Use Description

This 74.9 MW solar farm proposed to be constructed on a portion of a 320-acre tract located off NW 138th Avenue, Alachua, Alachua County, Florida.

Adjoining Properties

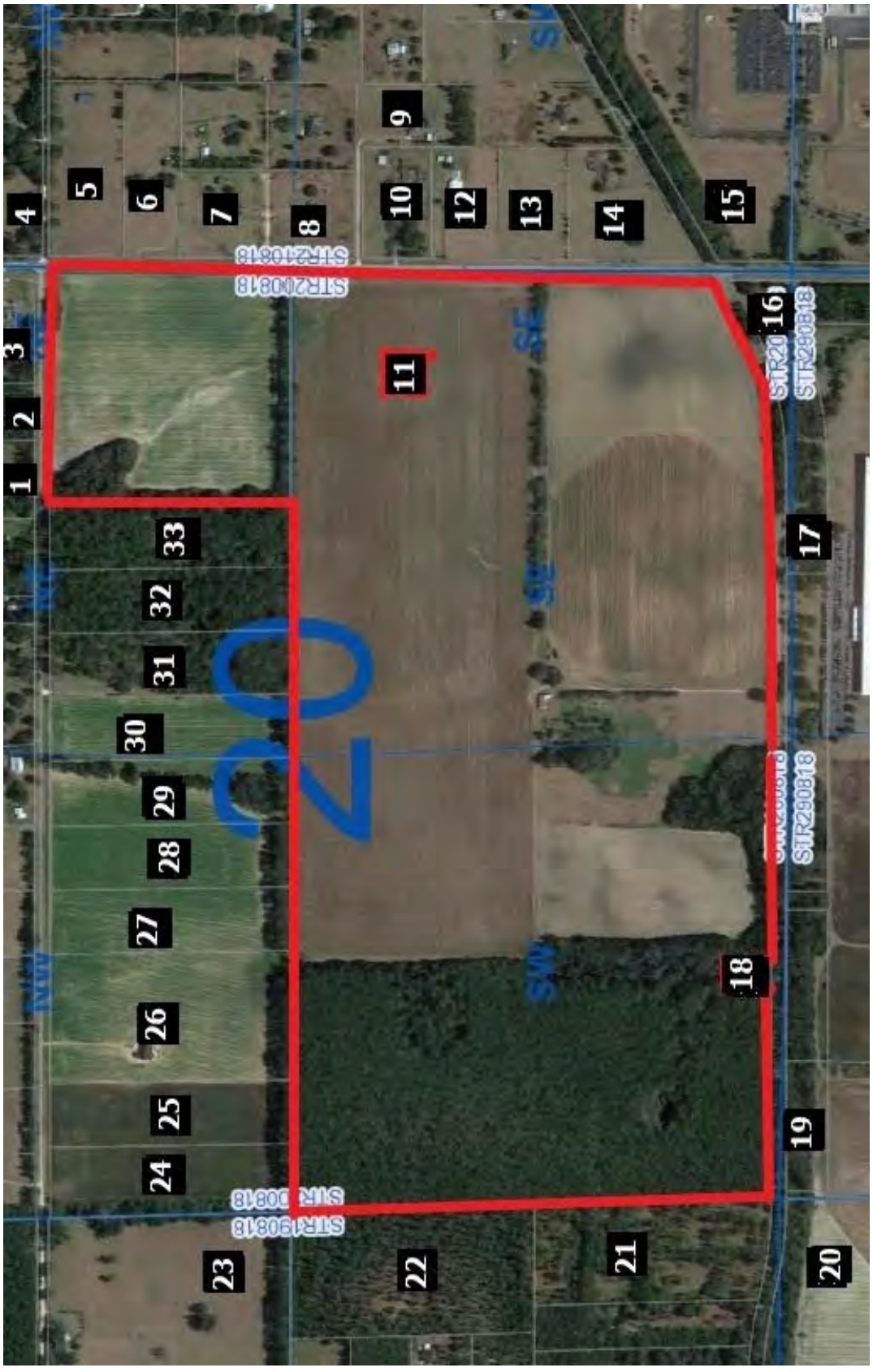
I have considered adjoining uses and included a map to identify each parcel's location. The closest adjoining home will be at least 200 feet from the closest solar panel and the average distance to adjoining homes will be 700 feet to the nearest solar panel.

The breakdown of those uses by acreage and number of parcels is summarized below.

Adjoining Use Breakdown

	Acreage	**Parcels**
Residential	22.43%	72.73%
Substation	0.57%	3.03%
Agricultural	43.41%	9.09%
Industrial	28.46%	6.06%
Agri/Res	5.01%	6.06%
Cemetary	0.11%	3.03%
Total	**100.00%**	**100.00%**

Overview Map

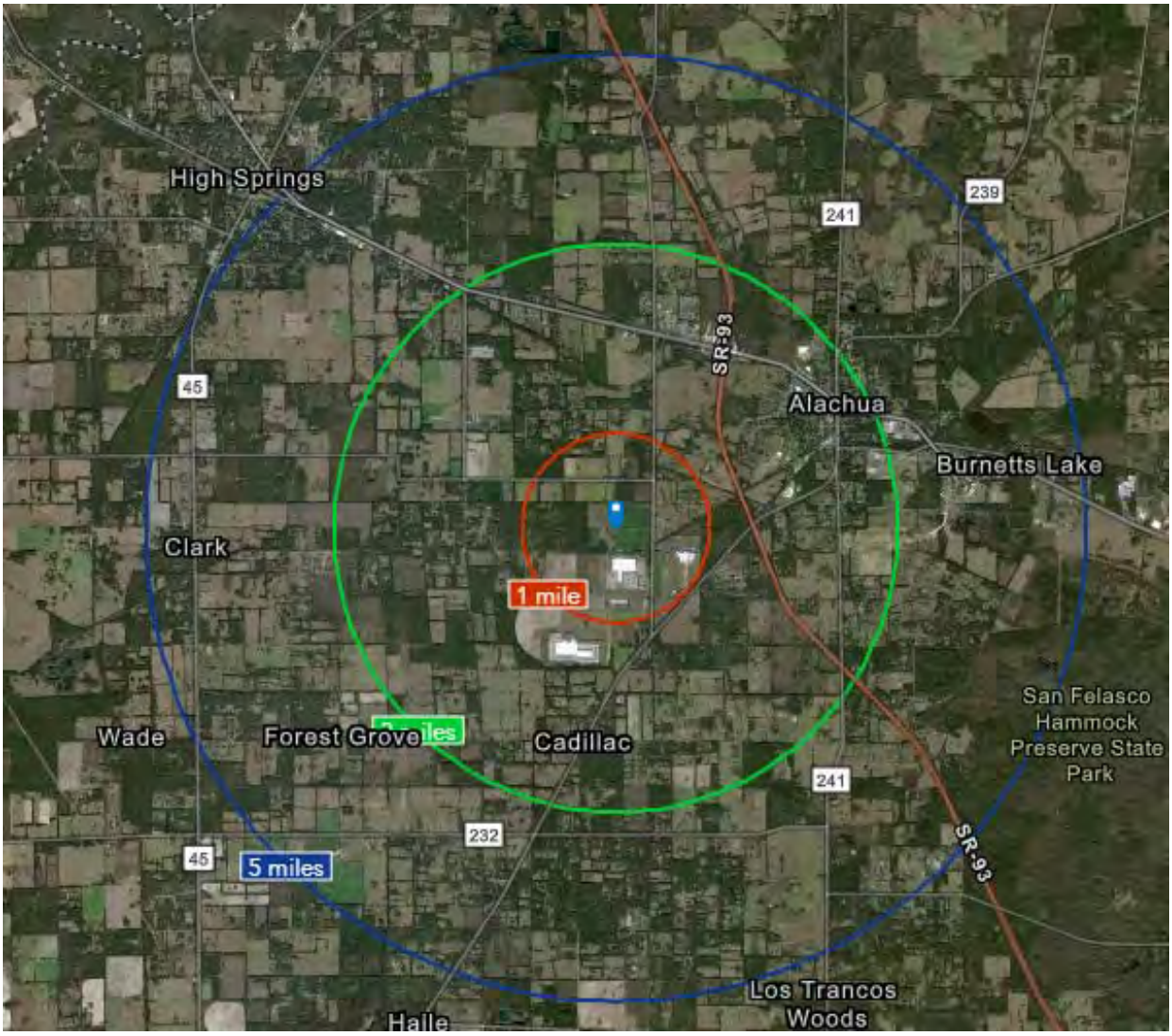


Surrounding Uses

#	MAP ID	Owner	GIS Data Acres	Present Use	Adjoin Acres	Adjoin Parcels	Distance (ft) Home/Panel
1	03896-003-001	Emerson	12.30	Residential	1.41%	3.03%	1,070
2	03896-013-000	Smith	4.44	Residential	0.51%	3.03%	N/A
3	03897-000-000	Clay Electric	4.98	Substation	0.57%	3.03%	N/A
4	03864-025-001	Van Den	15.25	Residential	1.75%	3.03%	1,410
5	03903-030-001	Parrish	8.52	Residential	0.98%	3.03%	N/A
6	03903-030-002	Rizzo III	6.48	Residential	0.74%	3.03%	465
7	03903-030-003	Price	5.00	Residential	0.57%	3.03%	355
8	03903-030-006	Dono	5.00	Residential	0.57%	3.03%	345
9	03903-001-006	Brown	5.63	Residential	0.65%	3.03%	795
10	03903-001-004	Ariff	5.01	Residential	0.57%	3.03%	495
11	03894-002-000	Cemetary	1.00	Cemetary	0.11%	3.03%	N/A
12	03903-001-003	Bogle	5.01	Residential	0.57%	3.03%	455
13	03903-001-005	Nation	5.01	Residential	0.57%	3.03%	N/A
14	03903-001-000	Nation	7.24	Residential	0.83%	3.03%	525
15	03905-002-001	Baugh Se	80.71	Agricultural	9.26%	3.03%	N/A
16	03983-002-000	Dolgencorp	204.08	Industrial	23.41%	3.03%	N/A
17	03985-001-000	Dolgencorp	44.00	Industrial	5.05%	3.03%	N/A
18	03893-001-000	Blake	0.77	Residential	0.09%	3.03%	200
19	03985-002-000	Waco	3.50	Residential	0.40%	3.03%	N/A
20	03986-000-000	Waco	277.69	Agricultural	31.86%	3.03%	N/A
21	03886-002-000	Shivers	15.50	Residential	1.78%	3.03%	N/A
22	03892-002-000	Graham	20.00	Agricultural	2.29%	3.03%	N/A
23	03884-000-000	Horton	23.67	Agri/Res	2.72%	3.03%	1,480
24	03900-010-011	Batte	10.87	Residential	1.25%	3.03%	N/A
25	03900-010-010	Delgado	10.00	Residential	1.15%	3.03%	N/A
26	03900-010-009	Delgado	20.00	Agri/Res	2.29%	3.03%	810
27	03900-010-007	Harrington	10.00	Residential	1.15%	3.03%	N/A
28	03900-010-006	Harrington	10.00	Residential	1.15%	3.03%	N/A
29	03900-010-005	Purvis	10.00	Residential	1.15%	3.03%	N/A
30	03900-010-004	Purvis	10.00	Residential	1.15%	3.03%	N/A
31	03900-010-002	Meisch	10.00	Residential	1.15%	3.03%	N/A
32	03900-010-002	Meisch	9.95	Residential	1.14%	3.03%	N/A
33	03900-010-001	Oswalt	10.00	Residential	1.15%	3.03%	N/A
		Total	**871.610**		**100.00%**	**100.00%**	700

Demographics Around Subject Property

I have pulled demographic data around a 1-mile, 3-mile and 5-mile radius from the middle of the project as shown on the following pages.



Housing Profile

Alachua, Florida
Ring: 1 mile radius

Prepared by Esri
Latitude: 29.77447
Longitude: -82.53333

Population		Households	
2010 Total Population	233	2021 Median Household Income	$58,709
2021 Total Population	241	2026 Median Household Income	$72,274
2026 Total Population	269	2021-2026 Annual Rate	4.25%
2021-2026 Annual Rate	2.22%		

	Census 2010		2021		2026	
Housing Units by Occupancy Status and Tenure	Number	Percent	Number	Percent	Number	Percent
Total Housing Units	99	100.0%	103	100.0%	114	100.0%
Occupied	94	94.9%	97	94.2%	107	93.9%
Owner	60	60.6%	66	64.1%	74	64.9%
Renter	34	34.3%	31	30.1%	33	28.9%
Vacant	5	5.1%	6	5.8%	6	5.3%

	2021		2026	
Owner Occupied Housing Units by Value	Number	Percent	Number	Percent
Total	64	100.0%	74	100.0%
<$50,000	0	0.0%	0	0.0%
$50,000-$99,999	3	4.7%	1	1.4%
$100,000-$149,999	6	9.4%	3	4.1%
$150,000-$199,999	11	17.2%	8	10.8%
$200,000-$249,999	10	15.6%	11	14.9%
$250,000-$299,999	10	15.6%	13	17.6%
$300,000-$399,999	8	12.5%	11	14.9%
$400,000-$499,999	11	17.2%	19	25.7%
$500,000-$749,999	5	7.8%	8	10.8%
$750,000-$999,999	0	0.0%	0	0.0%
$1,000,000-$1,499,999	0	0.0%	0	0.0%
$1,500,000-$1,999,999	0	0.0%	0	0.0%
$2,000,000+	0	0.0%	0	0.0%
Median Value	$260,000		$309,091	
Average Value	$293,359		$341,892	

Census 2010 Housing Units	Number	Percent
Total	99	100.0%
In Urbanized Areas	0	0.0%
In Urban Clusters	54	54.5%
Rural Housing Units	45	45.5%

Data Note: Persons of Hispanic Origin may be of any race.
Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

June 18, 2022

©2022 Esri

Housing Profile

Alachua, Florida
Ring: 3 mile radius

Prepared by Esri
Latitude: 29.77447
Longitude: -82.53333

Population		Households	
2010 Total Population	5,533	2021 Median Household Income	$64,006
2021 Total Population	6,759	2026 Median Household Income	$76,666
2026 Total Population	7,615	2021-2026 Annual Rate	3.68%
2021-2026 Annual Rate	2.41%		

	Census 2010		2021		2026	
Housing Units by Occupancy Status and Tenure	Number	Percent	Number	Percent	Number	Percent
Total Housing Units	2,467	100.0%	3,001	100.0%	3,339	100.0%
Occupied	2,169	87.9%	2,657	88.5%	2,991	89.6%
Owner	1,520	61.6%	1,947	64.9%	2,247	67.3%
Renter	649	26.3%	710	23.7%	744	22.3%
Vacant	298	12.1%	344	11.5%	349	10.5%

	2021		2026	
Owner Occupied Housing Units by Value	Number	Percent	Number	Percent
Total	1,948	100.0%	2,246	100.0%
<$50,000	15	0.8%	4	0.2%
$50,000-$99,999	74	3.8%	24	1.1%
$100,000-$149,999	140	7.2%	68	3.0%
$150,000-$199,999	275	14.1%	200	8.9%
$200,000-$249,999	353	18.1%	378	16.8%
$250,000-$299,999	424	21.8%	543	24.2%
$300,000-$399,999	259	13.3%	377	16.8%
$400,000-$499,999	233	12.0%	396	17.6%
$500,000-$749,999	131	6.7%	202	9.0%
$750,000-$999,999	22	1.1%	29	1.3%
$1,000,000-$1,499,999	21	1.1%	24	1.1%
$1,500,000-$1,999,999	0	0.0%	0	0.0%
$2,000,000+	1	0.1%	1	0.0%
Median Value	$263,797		$291,344	
Average Value	$304,261		$344,524	

Census 2010 Housing Units	Number	Percent
Total	2,467	100.0%
In Urbanized Areas	7	0.3%
In Urban Clusters	1,127	45.7%
Rural Housing Units	1,333	54.0%

Data Note: Persons of Hispanic Origin may be of any race.
Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

June 18, 2022

©2022 Esri

Housing Profile

Alachua, Florida
Ring: 5 mile radius

Prepared by Esri
Latitude: 29.77447
Longitude: -82.53333

Population		Households	
2010 Total Population	13,024	2021 Median Household Income	$61,483
2021 Total Population	15,141	2026 Median Household Income	$75,759
2026 Total Population	17,007	2021-2026 Annual Rate	4.26%
2021-2026 Annual Rate	2.35%		

	Census 2010		2021		2026	
Housing Units by Occupancy Status and Tenure	Number	Percent	Number	Percent	Number	Percent
Total Housing Units	5,536	100.0%	6,413	100.0%	7,130	100.0%
Occupied	5,015	90.6%	5,842	91.1%	6,558	92.0%
Owner	3,833	69.2%	4,594	71.6%	5,274	74.0%
Renter	1,182	21.4%	1,248	19.5%	1,284	18.0%
Vacant	521	9.4%	571	8.9%	572	8.0%

	2021		2026	
Owner Occupied Housing Units by Value	Number	Percent	Number	Percent
Total	4,594	100.0%	5,274	100.0%
<$50,000	56	1.2%	17	0.3%
$50,000-$99,999	212	4.6%	72	1.4%
$100,000-$149,999	311	6.8%	155	2.9%
$150,000-$199,999	631	13.7%	471	8.9%
$200,000-$249,999	833	18.1%	905	17.2%
$250,000-$299,999	1,002	21.8%	1,273	24.1%
$300,000-$399,999	679	14.8%	1,027	19.5%
$400,000-$499,999	425	9.3%	730	13.8%
$500,000-$749,999	289	6.3%	425	8.1%
$750,000-$999,999	76	1.7%	99	1.9%
$1,000,000-$1,499,999	77	1.7%	96	1.8%
$1,500,000-$1,999,999	0	0.0%	0	0.0%
$2,000,000+	3	0.1%	4	0.1%
Median Value	$262,675		$289,945	
Average Value	$306,617		$347,085	

Census 2010 Housing Units	Number	Percent
Total	5,536	100.0%
In Urbanized Areas	135	2.4%
In Urban Clusters	2,203	39.8%
Rural Housing Units	3,198	57.8%

Data Note: Persons of Hispanic Origin may be of any race.
Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

June 18, 2022

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II. Methodology and Discussion of Issues

Standards and Methodology

I conducted this analysis using the standards and practices established by the Appraisal Institute and that conform to the Uniform Standards of Professional Appraisal Practice. The analyses and methodologies contained in this report are accepted by all major lending institutions, and they are used in Florida and across the country as the industry standard by certified appraisers conducting appraisals, market analyses, or impact studies and are considered adequate to form an opinion of the impact of a land use on neighboring properties. These standards and practices have also been accepted by the courts at the trial and appellate levels and by federal courts throughout the country as adequate to reach conclusions about the likely impact a use will have on adjoining or abutting properties.

The aforementioned standards compare property uses in the same market and generally within the same calendar year so that fluctuating markets do not alter study results. Although these standards do not require a linear study that examines adjoining property values before and after a new use (e.g. a solar farm) is developed, some of these studies do in fact employ this type of analysis. Comparative studies, as used in this report, are considered an industry standard.

The type of analysis employed is a Matched Pair Analysis or Paired Sales Analysis. This methodology is outlined in **The Appraisal of Real Estate**, Twelfth Edition by the Appraisal Institute pages 438-439. It is further detailed in **Real Estate Damages**, Third Edition, pages 33-36 by Randall Bell PhD, MAI. Paired sales analysis is used to support adjustments in appraisal work for factors ranging from the impact of having a garage, golf course view, or additional bedrooms. It is an appropriate methodology for addressing the question of impact of an adjoining solar farm. The paired sales analysis is based on the theory that when two properties are in all other respects equivalent, a single difference can be measured to indicate the difference in price between them. Dr. Bell describes it as comparing a test area to control areas. In the example provided by Dr. Bell he shows five paired sales in the test area compared to 1 to 3 sales in the control areas to determine a difference. I have used 3 sales in the control areas in my analysis for each sale developed into a matched pair.

Determining what is an External Obsolescence

An external obsolescence is a use of property that, because of its characteristics, might have a negative impact on the value of adjacent or nearby properties because of identifiable impacts. Determining whether a use would be considered an external obsolescence requires a study that isolates that use, eliminates any other causing factors, and then studies the sales of nearby versus distant comparable properties. The presence of one or a combination of key factors does not mean the use will be an external obsolescence, but a combination of these factors tends to be present when market data reflects that a use is an external obsolescence.

External obsolescence is evaluated by appraisers based on several factors. These factors include but are not limited to:

1) Traffic. Solar Farms are not traffic generators.

2) Odor. Solar farms do not produce odor.

3) Noise. Solar farms generate no noise concerns and are silent at night.

4) Environmental. Solar farms do not produce toxic or hazardous waste. Grass is maintained underneath the panels so there is minimal impervious surface area.

5) Appearance/Viewshed. This is the one area that potentially applies to solar farms. However, solar farms are generally required to provide significant setbacks and landscaping buffers to address that concern. Furthermore, any consideration of appearance of viewshed impacts has to be considered in comparison with currently allowed uses on that site. For example if a residential subdivision is already an allowed use, the question becomes in what way does the appearance impact adjoining property owners above and beyond the appearance of that allowed subdivision or other similar allowed uses.

6) Other factors. I have observed and studied many solar farms and have never observed any characteristic about such facilities that prevents or impedes neighbors from fully using their homes or farms or businesses for the use intended.

Relative Solar Farm Sizes

Solar farms have been increasing in size in recent years. Much of the data collected is from existing, older solar farms of smaller size, but there are numerous examples of sales adjoining 75 to 80 MW facilities that show a similar trend as the smaller solar farms. This is understandable given that the primary concern relative to a solar farm is the appearance or view of the solar farm, which is typically addressed through setbacks and landscaping buffers. The relevance of data from smaller solar farms to larger solar farms is due to the primary question being one of appearance. If the solar farm is properly screened, then little of the solar farm would be seen from adjoining property regardless of how many acres are involved.

Larger solar farms are often set up in sections where any adjoining owner would only be able to see a small section of the project even if there were no landscaping screen. Once a landscaping screen is in place, the primary view is effectively the same whether adjoining a 5 MW, 20 MW or 100 MW facility.

I have split out the data for the matched pairs adjoining larger solar farms only to illustrate the similarities later in this report.

Steps Involved in the Analysis

The paired sales analysis employed in this report follows the following process:

1. Identify sales of property adjoining existing solar farms.
2. Compare those sales to similar property that does not adjoin an existing solar farm.
3. Confirmation of sales are noted in the analysis write ups.
4. Distances from the homes to panels are included as a measure of the setbacks.
5. Topographic differences across the solar farms themselves are likewise noted along with demographic data for comparing similar areas.

There are a number of Sale/Resale comparables included in the write ups, but most of the data shown is for sales of homes after a solar farm has been announced (where noted) or after a solar farm has been constructed.

III. Research on Solar Farms

A. Appraisal Market Studies

I have also considered a number of impact studies completed by other appraisers as detailed below.

CohnReznick – Property Value Impact Study: Adjacent Property Values Solar Impact Study: A Study of Eight Existing Solar Facilities

Patricia McGarr, MAI, CRE, FRICS, CRA and Andrew R. Lines, MAI with CohnReznick completed an impact study for a proposed solar farm in Cheboygan County, Michigan completed on June 10, 2020. I am familiar with this study as well as a number of similar such studies completed by CohnReznick. I have not included all of these studies but I submit this one as representative of those studies.

This study addresses impacts on value from eight different solar farms in Michigan, Minnesota, Indiana, Illinois, Virginia and North Carolina. These solar farms are 19.6 MW, 100 MW, 11.9 MW, 23 MW, 71 MW, 61 MW, 40 MW, and 19 MW for a range from 11.9 MW to 100 MW with an average of 31 MW and a median of 31.5 MW. They analyzed a total of 24 adjoining property sales in the Test Area and 81 comparable sales in the Control Area over a five-year period.

The conclusion of this study is that there is no evidence of any negative impact on adjoining property values based on sales prices, conditions of sales, overall marketability, potential for new development or rate of appreciation.

Christian P. Kaila & Associates – Property Impact Analysis – Proposed Solar Power Plant Guthrie Road, Stuarts Draft, Augusta County, Virginia

Christian P. Kaila, MAI, SRA and George J. Finley, MAI developed an impact study as referenced above dated June 16, 2020. This was for a proposed 83 MW facility on 886 acres.

Mr. Kaila interviewed appraisers who had conducted studies and reviewed university studies and discussed the comparable impacts of other development that was allowed in the area for a comparative analysis of other impacts that could impact viewshed based on existing allowed uses for the site. He also discussed in detail the various other impacts that could cause a negative impact and how solar farms do not have such characteristics.

Mr. Kaila also interviewed county planners and real estate assessors in eight different Virginia counties with none of the assessor's identifying any negative impacts observed for existing solar projects.

Mr. Kaila concludes on a finding of no impact on property values adjoining the indicated solar farm.

Fred Beck, MAI, CCIM – Impact Analysis in Lincoln County 2013

Mr. Fred Beck, MAI, CCIM completed an impact analysis in 2013 for a proposed solar farm that concluded on a negative impact on value. That report relied on a single cancelled contract for an adjoining parcel where the contracted buyers indicated that the solar farm was the reason for the cancellation. It also relied on the activities of an assessment impact that was applied in a nearby county.

Mr. Beck was interviewed as part of the Christian Kalia study noted above. From that I quote "Mr. Beck concluded on no effect on moderate priced homes, and only a 5% change in his limited research of higher priced homes. His one sale that fell through is hardly a reliable sample. It also was misleading on Mr. Beck's part to report the lower re-assessments since the primary cause of the

re-assesments were based on the County Official, who lived adjacent to the solar farm, appeal to the assessor for reductions with his own home." In that Clay County Case study the noted lack of lot sales after announcement of the solar farm also coincided with the recession in 2008/2009 and lack of lot sales effectively defined that area during that time.

I further note, that I was present at the hearing where Mr. Beck presented these findings and the predominance of his argument before the Lincoln County Board of Commissioner's was based on the one cancelled sale as well as a matched pair analysis of high-end homes adjoining a four-story call center. He hypothesized that a similar impact from that example could be compared to being adjacent solar farm without explaining the significant difference in view, setbacks, landscaping, traffic, light, and noise. Furthermore, Mr. Beck did have matched pairs adjoining a solar farm in his study that he put in the back of his report and then ignored as they showed no impact on property value.

Also noted in the Christian Kalia interview notes is a response from Mr. Beck indicating that in his opinion "the homes were higher priced homes and had full view of the solar farm." Based on a description of screening so that "the solar farm would not be in full view to adjoining property owners. Mr. Beck said in that case, he would not see any drop in property value."

NorthStar Appraisal Company – Impact Analysis for Nichomus Run Solar, Pilesgrove, NJ, September 16, 2020

Mr. William J. Sapio, MAI with NorthStar Appraisal Company considered a matched pair analysis for the potential impact on adjoining property values to this proposed 150 MW solar farm. Mr. Sapio considered sales activity in a subdivision known as Point of Woods in South Brunswick Township and identified two recent new homes that were constructed and sold adjoining a 13 MW solar farm and compared them to similar homes in that subdivision that did not adjoin the solar farm. These homes sold in the $1,290,450 to $1,336,613 price range and these homes were roughly 200 feet from the closest solar panel.

Based on this analysis, he concluded that the adjoining solar farm had no impact on adjoining property value.

MR Valuation Consulting, LLC – The Kuhl Farm Solar Development and The Fischer Farm Solar Development – June 7, 2012

Mr. Mark Pomykacaz, MAI MRICS with MR Valuation Consulting, LLC considered a matched pair analysis for sales near these solar farms. The sales data presented supported a finding of no impact on property value for nearby and adjoining homes and concludes that there is no impact on marketing time and no additional risk involved with owning, building, or selling properties next to the solar farms.

Mary McClinton Clay, MAI – McCracken County Solar Project Value Impact Report, July 10, 2021

Ms. Mary Clay, MAI reviewed a report by Kirkland Appraisals in this case and also provided a differing opinion of impact. She cites a number of other appraisal studies and interestingly finds fault with heavily researched opinions, while praising the results of poorly researched studies that found the opposing view.

Her analysis includes details from solar farms that show no impact on value, but she dismisses those.

She cites the University of Texas study noted later in this report, but she cites only isolated portions of that study to conclude the opposite of what that study specifically concludes.

She cites the University of Rhode Island study noted alter in this report, but specifically excludes the conclusion of that study that in rural areas they found no impact on property value.

She cites lot sales near Spotsylvania Solar without confirming the purchase prices with brokers as indicative of market impact and has made no attempt to compare lot prices that are contemporaneous. In her 5 lot sales that she identifies, all of the lot prices decline with time from 2015 through 2019. This includes the 3 lot sales prior to the approval of the solar farm. The decrease in lot values shown in this chart are more indicative of the trend in the market, than of any impact related to the solar farm. Otherwise, how does she explain the drop in price from 2015 to 2017 prior to the solar farm approval.

She considers data at McBride Place Solar Farm and does a sale/resale analysis based on Zillow Home Value Index, which is not a reliable indication for appreciation in the market. She then adjusted her initial sales prior to the solar farm over 7 years to determine what she believes the home should have appreciated by and then compares that to an actual sale. She has run no tests or any analysis to show that the appreciation rates she is using are consistent with the market but more importantly she has not attempted to confirm any of these sales with market participants. I have spoken with brokers active in the sales that she cites and they have all indicated that the solar farm was not a negative factor in marketing or selling those homes.

She has considered lot sales at Sunshine Farms in Grandy, NC. She indicates that the lots next to the solar farm are selling for less than lots not near the solar farm, but she is actually using lot sales next to the solar farm prior to the solar farm being approved. She also ignores recent home sales adjoining this solar farm after it was built that show no impact on property value.

She also notes a couple of situations where solar developers have purchased adjoining homes and resold them or where a neighbor agreement was paid as proof of a negative impact on property value. Given that there are over 2,500 solar farms in the USA as of 2018 according to the U.S. Energy Information Administration and there are only a handful of such examples, this is clearly not an industry standard but a business decision. Furthermore, solar developers are not in the business of flipping homes and are in a position very similar to a bank that acquires a home as OREO (Other Real Estate Owned), where homes are frequently sold at discounted prices, not because of any drop in value, but because they are not a typically motivated seller. Market value requires an analysis of a typically motivated buyer and seller. So these are not good indicators of market value impacts.

The comments throughout this study are heavy in adjectives, avoids stating facts contrary to the conclusion and shows a strong selection bias.

Conclusion of Impact Studies

Of the five studies noted two included actual sales data to derive an opinion of no impact on value. The two studies to conclude on a negative impact includes the Fred Beck study based on no actual sales data, and he has since indicated that with landscaping screens he would not conclude on a negative impact. The other study by Mary Clay shows improper adjustments for time, a lack of confirmation of sales comparables, and exclusion of data that does not support her position.

I have relied on these studies as additional support for the findings in this impact analysis.

B. Articles

I have also considered a number of articles on this subject as well as conclusions and analysis as noted below.

Farm Journal Guest Editor, March 22, 2021 – Solar's Impact on Rural Property Values

Andy Ames, ASFMRA (American Society of Farm Managers and Rural Appraisers) published this article that includes a discussion of his survey of appraisers and studies on the question of property value related to solar farms. He discusses the university studies that I have cited as well as Patricia McGarr, MAI.

He also discusses the findings of Donald A. Fisher, ARA, who served six years at the Chair of the ASFMRA's National Appraisal Review Committee. He is also the Executive Vice President of the CNY Pomeroy Appraiser and has conducted several market studies on solar farms and property impact. He is quoted in the article as saying, "Most of the locations were in either suburban or rural areas, and all of those studies found either a neutral impact, or ironically, a positive impact, where values on properties after installation of solar farms went up higher than time trends."

Howard Halderman, AFM, President and CEO of Halderman Real Estate and Farm Management attended the ASFMRA solar talk hosted by the Indiana Chapter of the ASFMRA and he concludes that other rural properties would likely see no impact and farmers and landowners shown even consider possible benefits. "In some cases, farmers who rent land to a solar company will insure the viability of their farming operation for a longer time period. This makes them better long-term tenants or land buyers so one can argue that higher rents and land values will follow due to the positive impact the solar leases offer."

National Renewable Energy Laboratory – Top Five Large-Scale Solar Myths, February 3, 2016

Megan Day reports form NREL regarding a number of concerns neighbors often express. Myth #4 regarding property value impacts addresses specifically the numerous studies on wind farms that show no impact on property value and that solar farms have a significantly reduced visual impact from wind farms. She highlights that the appearance can be addressed through mitigation measures to reduce visual impacts of solar farms through vegetative screening. Such mitigations are not available to wind farms given the height of the windmills and again, those studies show no impact on value adjoining wind farms.

North Carolina State University: NC Clean Energy Technology Center White Paper: Balancing Agricultural Productivity with Ground-Based Solar Photovoltaic (PV) Development (Version 2), May 2019

Tommy Cleveland and David Sarkisian wrote a white paper for NCSU NC Clean Energy Technology Center regarding the potential impacts to agricultural productivity from a solar farm use. I have interviewed Tommy Cleveland on numerous occasions and I have also heard him speak on these issues at length as well. He addresses many of the common questions regarding how solar farms work and a detailed explanation of how solar farms do not cause significant impacts on the soils, erosion and other such concerns. This is a heavily researched paper with the references included.

North Carolina State University: NC Clean Energy Technology Center White Paper: Health and Safety Impacts of Solar Photovoltaics, May 2017

Tommy Cleveland wrote a white paper for NCSU NC Clean Energy Technology Center regarding the health and safety impacts to address common questions and concerns related to solar farms. This is a heavily researched white paper addressing questions ranging from EMFs, fire safety, as well as vegetation control and the breakdown of how a solar farm works.

C. Broker Commentary

In the process of working up the matched pairs used later in this report, I have collected comments from brokers who have actually sold homes adjoining solar farms indicating that the solar farm had no impact on the marketing, timing, or sales price for the adjoining homes. I have included comments from brokers within this report where they discussed specific solar projects including brokers from Kentucky, Virginia, Tennessee, and North Carolina.

IV. University Studies

I have also considered the following studies completed by four different universities related to solar farms and impacts on property values.

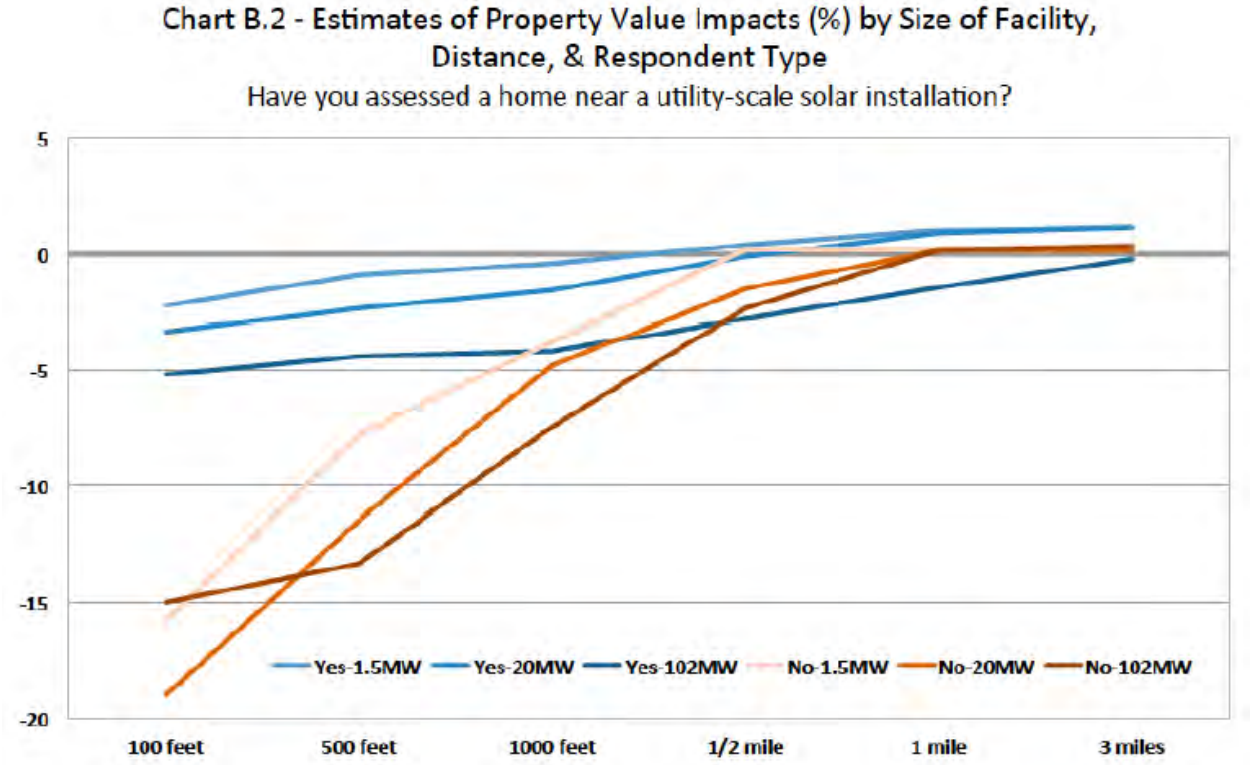
A. University of Texas at Austin, May 2018

An Exploration of Property-Value Impacts Near Utility-Scale Solar Installations

This study considers solar farms from two angles. First it looks at where solar farms are being located and concludes that they are being located primarily in low density residential areas where there are fewer homes than in urban or suburban areas.

The second part is more applicable in that they conducted a survey of appraisers/assessors on their opinions of the possible impacts of proximity to a solar farm. They consider the question in terms of size of the adjoining solar farm and how close the adjoining home is to the solar farm. I am very familiar with this part of the study as I was interviewed by the researchers multiple times as they were developing this. One very important question that they ask within the survey is very illustrative. They asked if the appraiser being surveyed had ever appraised a property next to a solar farm. There is a very noticeable divide in the answers provided by appraisers who have experience appraising property next to a solar farm versus appraisers who self-identify as having no experience or knowledge related to that use.

On Page 16 of that study they have a chart showing the responses from appraisers related to proximity to a facility and size of the facility, but they separate the answers as shown below with appraisers with experience in appraising properties next to a solar farm shown in blue and those inexperienced shown in brown. Even within 100 feet of a 102 MW facility the response from experienced appraisers were -5% at most on impact. While inexperienced appraisers came up with significantly higher impacts. This chart clearly shows that an uninformed response widely diverges from the sales data available on this subject.



Furthermore, the question cited above does not consider any mitigating factors such as landscaping buffers or screens which would presumably reduce the minor impacts noted by experienced appraisers on this subject.

The conclusion of the researchers is shown on Page 23 indicated that "Results from our survey of residential home assessors show that the majority of respondents believe that proximity to a solar installation has either no impact or a positive impact on home values."

This analysis supports the conclusion of this report that the data supports no impact on adjoining property values.

B. University of Rhode Island, September 2020

Property Value Impacts of Commercial-Scale Solar Energy in Massachusetts and Rhode Island

The University of Rhode Island published a study entitled **Property Value Impacts of Commercial-Scale Solar Energy in Massachusetts and Rhode Island** on September 29, 2020 with lead researchers being Vasundhara Gaur and Corey Lang. I have read that study and interviewed Mr. Corey Lang related to that study. This study is often cited by opponents of solar farms but the findings of that study have some very specific caveats according to the report itself as well as Mr. Lang from the interview.

While that study does state in the Abstract that they found depreciation of homes within 1-mile of a solar farm, that impact is limited to non-rural locations. On Pages 16-18 of that study under Section 5.3 Heterogeneity in treatment effect they indicate that the impact that they found was limited to non-rural locations with the impact in rural locations effectively being zero. For the study they defined "rural" as a municipality/township with less than 850 population per square mile.

They further tested the robustness of that finding and even in areas up to 2,000 population per square mile they found no statistically significant data to suggest a negative impact. They have not specifically defined a point at which they found negative impacts to begin, as the sensitivity study stopped checking at the 2,000-population dataset.

Where they did find negative impacts was in high population density areas that was largely a factor of running the study in Massachusetts and Rhode Island which the study specifically cites as being the 2nd and 3rd most population dense states in the USA. Mr. Lang in conversation as well as in recorded presentations has indicated that the impact in these heavily populated areas may reflect a loss in value due to the scarce greenery in those areas and not specifically related to the solar farm itself. In other words, any development of that site might have a similar impact on property value.

Based on this study I have checked the population for the High Springs-Alachua CCD of Alachua County, which has a population of 43,105 population for 2021 based on HomeTownLocator.com and a total area of 222.19 square miles. This indicates a population density of 194 people per square mile which puts this well below the threshold indicated by the Rhode Island Study.

I therefore conclude that the Rhode Island Study supports a finding of no impact on adjoining properties for the proposed solar farm.

High Springs-Alachua CCD Data & Demographics (As of July 1, 2021)

POPULATION	
Total Population	43,105 (100%)
Population in Households	43,056 (99.9%)
Population in Families	34,496 (80.0%)
Population in Group Quarters[1]	49 (0.1%)
Population Density	194
Diversity Index[2]	50

HOUSING	
Total HU (Housing Units)	19,636 (100%)
Owner Occupied HU	13,788 (70.2%)
Renter Occupied HU	4,228 (21.5%)
Vacant Housing Units	1,620 (8.3%)
Median Home Value	$254,563
Average Home Value	$294,225
Housing Affordability Index[3]	130

INCOME	
Median Household Income	$62,082
Average Household Income	$85,576
% of Income for Mortgage[4]	17%
Per Capita Income	$35,769
Wealth Index[5]	101

HOUSEHOLDS	
Total Households	18,016
Average Household Size	2.39
Family Households	11,812
Average Family Size	3

C. Georgia Institute of Technology, October 2020

Utility-Scale Solar Farms and Agricultural Land Values

This study was completed by Nino Abashidze as Post-Doctoral Research Associate of Health Economics and Analytics Labe (HEAL), School of Economics, Georgia Institute of Technology. This research was started at North Carolina State University and analyzes properties near 451 utility-scale ground-mount solar installations in NC that generate at least 1 MW of electric power. A total of 1,676 land sales within 5-miles of solar farms were considered in the analysis.

This analysis concludes on Page 21 of the study "Although there are no direct effects of solar farms on nearby agricultural land values, we do find evidence that suggests construction of a solar farm may create a small, positive, option -value for land owners that is capitalized into land prices. Specifically, after construction of a nearby solar farm, we find that agricultural land that is also located near transmission infrastructure may increase modestly in value."

This study supports a finding of no impact on adjoining agricultural property values and in some cases could support a modest increase in value.

D. Master's Thesis: ECU by Zachary Dickerson July 2018

A Solar Farm in *My* Backyard? Resident Perspectives of Utility-Scale Solar in Eastern North Carolina

This study was completed as part of a Master of Science in Geography Master's Thesis by Zachary Dickerson in July 2018. This study sets out to address three questions:

1. Are there different aspects that affect resident satisfaction regarding solar farms?

2. Are there variations in satisfaction for residents among different geographic settings, e.g. neighborhoods adjacent to the solar farms or distances from the solar farms?

3. How can insight from both the utility and planning sectors, combined with knowledge gained from residents, fill gaps in communication and policy writing in regard to solar farms?

This was done through survey and interview with adjacent and nearby neighbors of existing solar farms. The positive to neutral comments regarding the solar farms were significantly higher than negative. The researcher specifically indicates on Page 46 "The results show that respondents generally do not believe the solar farms pose a threat to their property values."

The most negative comments regarding the solar farms were about the lack of information about the approval process and the solar farm project prior to construction.

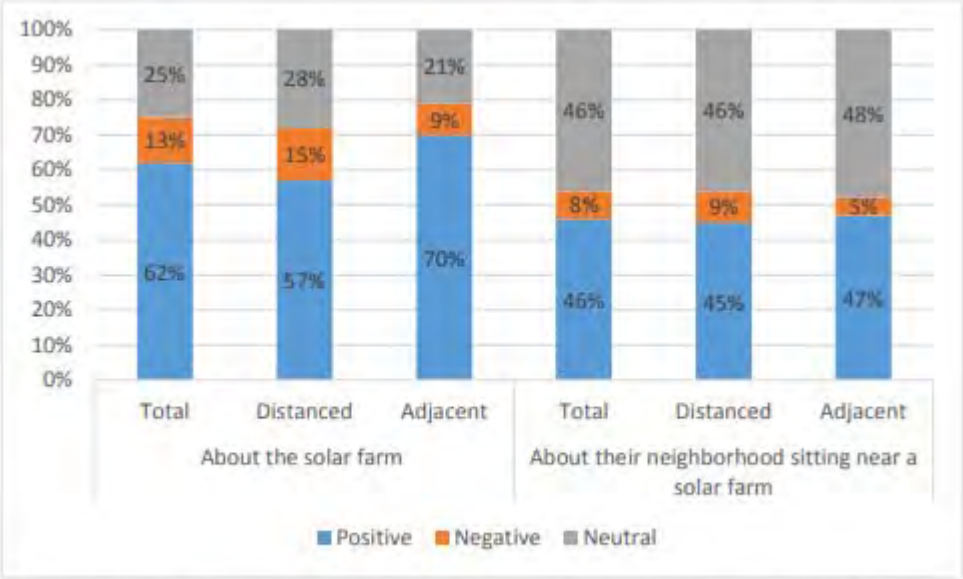


Figure 11: Residents' positive/negative word choices by geographic setting for both questions

V. Assessor Surveys

I have attempted to contact all of the assessor departments in North Carolina to determine how local assessors are handling solar farms and adjoining property values. I have spoken personally with a number of assessors, but much of this data was obtained via email. I have 39 counties in NC that have both responded to these questions on property value and also have solar farms in that county. I have excluded responses from assessors from counties where there are no current solar farms.

As can be seen in the chart below, of the 39 responses all of the responses have indicated that they make no adjustment to properties adjoining solar farms. Several assessors indicated that it would require an adjoining property owner to appeal their property value with data showing a negative impact before they would make any adjustment and to date they have not had that happen.

I also point out specifically Clay County. I spoke with the assessor there specifically about adjustments that were applied to some properties near a solar farm back in 2008. She was unaware of the details of that event as she was not in this position at that time. As discussed earlier in this report the lower re-assessments at that solar farm were based on a County Official, who owned property adjacent to the solar farm, who made an appeal to the assessor for reductions for his own property. The noted lack of lot sales after announcement of the solar farm however coincided with the recession in 2008/2009 and lack of lot sales effectively defined that area during that time, but without relying on any data the assessor made that change in that time frame based on conversations with the assessor. Since then, Clay County has confirmed that they do not currently make any changes to adjoining property values and the current county assessor was not even aware that they had in the past done so.

NC Assessor Survey on Solar Farm Property Value Impacts

County	Assessor's Name	Number of Farms	Change in Adjacent Property Value
Alexander	Doug Fox	3	No
Buncombe	Lisa Kirbo	1	No
Burke	Daniel Isenhour	3, 2 on 1 parcel, 1 on 3 parcels	No
Cabarrus	Justin	less than 10, more in the works	No
Caldwell	Monty Woods	3 small	No, but will look at data in 2025
Catawba	Lori Ray	14	No
Chatham	Jenny Williams	13	No
Cherokee	Kathy Killian	9	No
Chowan	Melissa Radke	3, I almost operational	No
Clay	Bonnie L. Lyvers		No
Davidson	Libby	1	No
Duplin	Gary Rose	34, 2 more in planning	No
Franklin	Marion Cascone	11	No
Gaston	Traci Hovis	3	No
Gates	Chris Hill	3	No
Granville	Jenny Griffin	8	No
Halifax	C. Shane Lynch	Multiple	No
Hoke	Mandi Davis	4	No
Hyde	Donnie Shumate	1 to supplement egg processing plant	No
Iredell	Wes Long	2, 3 others approved	No
Lee	Lisa Faulkner	8	No
Lincoln	Susan Sain	2	No
Moore	Michael Howery	10	No
New Hanover	Rhonda Garner	35	No
Orange	Chad Phillip	2 or 7 depending on breakdown	No
Pender	Kayla Bolick Futrell	6	No
Person	Russell Jones	9	No
Pitt	Russell D. Hill	8, 1 in planning	No
Randolph	Mark Frick	19	No
Rockingham	Mark C McClintock	6	No
Rutherford	Kim Aldridge	20	No
Sampson	Jim Johnson	9, 1 in construction	No
Scotland	James Brown	15, 1 in process	No
Stokes	Richard Brim	2	No
Surry	Penny Harrison	4, 2 more in process	No
Union	Robin E. Merry	6	No
Vance	Cathy E. Renn	13	No
Warren	John Preston	7	No
Wayne	Alan Lumpkin	32	No
Wilson	William (Witt) Putney	~16	No, mass appraisal standards applied

Responses: 39
Negative Impact on Adjoining Value = Yes: 0
Negative Impact on Adjoining Value = No: 39

I have also been working on a survey of Virginia Assessors regarding property values related to solar farms and whether or not the local assessors have found any data to support any changes to value on property adjoining solar farms. In this process I have contacted every assessor's office by email and I have received responses by email and by phone from a number of these counties. Many of the counties in Virginia rely on outside firms to assist in gathering data for the assessments and where that is the case, we have contacted the outside firms regarding the question of whether or not the assessors are currently making any adjustments to properties adjoining solar farms.

I currently have response from 16 counties that have solar farms in them and of those 16 responses none of the assessors are currently applying a negative impact on property value. One response suggested that adjoining values may go up.

I did speak with Randy Willis with Pearson Assessors. His company assists in the assessments in many of the counties south of Richmond. He indicated that they had found no data to suggest a negative impact on property value and they have looked as they were concerned about that issue. He indicated that they would make no negative impact adjustments and that he recognizes that

there are a number of agricultural adjoining uses that have a greater impact on adjoining properties in terms of noise, dust and odor than a solar farm would have. He did indicate that there could be situations where an individual home might have a greater visual impact and those should be looked at on a case-by-case basis, but he also agreed that many allowed agricultural uses could have similar visual impacts on such properties as well.

VIRGINIA Commissioner of the Revenue

County	Assessor Name	Number of Farms in Operation	Change in adjacent property value
Appomattox	Sara Henderson	1, plus one in process	No
Augusta	W. Jean Shrewsbury	no operational	No
Buckingham	Stephanie D. Love	1	No
Charlotte	Naisha Pridgen Carter	1, several others in the works	No
Clarke	Donna Peake	1	No
Frederick	Seth T. Thatcher	none, 2 appoved for 2022	No, assuming compatible with rural area
Goochland	Mary Ann Davis		No
Hanover	Ed Burnett	1	No
Louisa	Stacey C. Fletcher	2 operational by end of year	No, only if supported by market data
Mecklenburg	Joseph E. "Ed" Taylor		No
Nottoway	Randy Willis with Pearson Assessors		No
Powhatan	Charles Everest	2 approved, 1 built	Likely increase in value
Rockingham	Dan Cullers	no operational	Likely no
Southampton	Amy B. Carr	1	Not normally
Surry	Jonathan F. Judkins	1	None at this time
Westmoreland	William K. Hoover	4	No

Responses: 16
Negative Impact on Adjoining Value = Yes: 0
Negative Impact on Adjoining Value = No: 16

VI. Summary of Solar Projects In and Around Florida

I have researched the solar projects in Florida. I identified the solar farms through the Solar Energy Industries Association (SEIA) Major Projects List and then excluded the roof mounted facilities. I focused on larger solar farms over 10 MW though I have included a couple of smaller solar farms as shown in the chart below

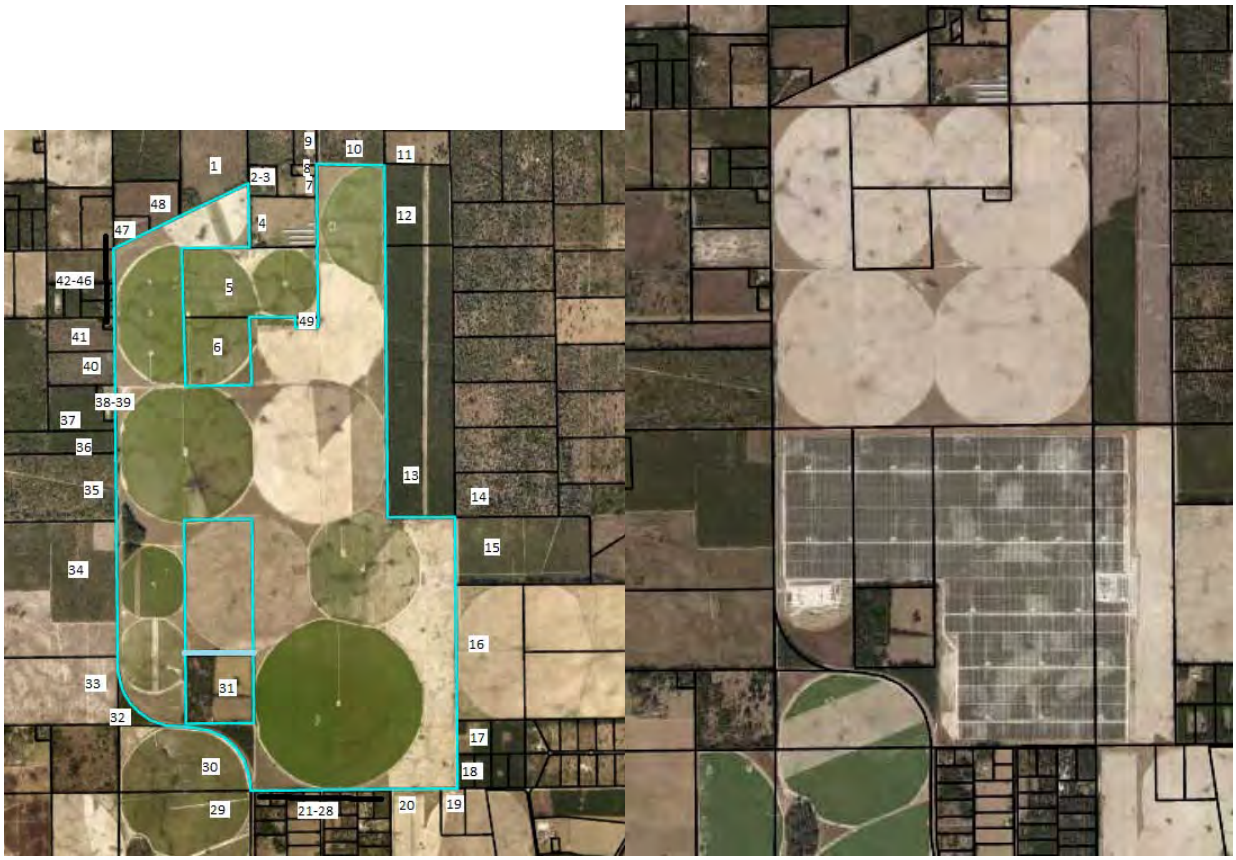
I was able to identify and research 19 existing solar farms in Florida as shown below. These are primarily in the 74.5 MW size with adjoining homes as close as 67 feet and the mix of adjoining uses is primarily agricultural and residential.

#	State	County	City	Name	Output (MW)	Total Acres	Used Acres	Avg. Dist to home	Closest Home	Adjoining Use by Acre			
										Res	Agri	Agri/Res	Com
319	FL	Hamilton	Jasper	Hamilton	74.9	1268.9	537	3,596	240	5%	67%	28%	0%
320	FL	Suwannee	Falmouth	Suwannee		165.5	83.95			14%	69%	17%	0%
321	FL	Osceola	St Cloud	Osceola	3.8	25.1				0%	100%	0%	0%
322	FL	Taylor	Perry	Perry	5.1	55.63		380	67	56%	42%	0%	2%
323	FL	Duval	Jacksonville	Jacksonville	15	441.67		1,840	915	2%	83%	0%	14%
334	FL	Polk	Lakeland	LKL BLBD LLC	6	68.64				42%	0%	54%	4%
335	FL	Polk	Lakeland	Lakeland	3.5	143.03		814	150	42%	11%	29%	19%
336	FL	Manatee	Parrish	Manatee	74.5	1180.4		1,079	625	2%	50%	1%	47%
337	FL	DeSoto	Arcadia	Citrus	74.5	640				0%	0%	100%	0%
338	FL	Charlotte	Port Charlotte	Babcock	74.5	422.61				0%	0%	100%	0%
441	FL	Alachua	Hawthorne	Horizon	74.5	684	684	1,808	460	5%	80%	15%	0%
667	FL	Volusia	New Smyrna Bch	Pioneer Trail	74.5	1202.8	900	1,162	225	14%	61%	21%	4%
668	FL	Columbia	Lake City	Sunshine Gateway	74.5	904.29	472	1,233	890	11%	80%	8%	0%
669	FL	Putnam	Florahome	Coral Farms	74.5	666.54	580	1,614	765	19%	75%	7%	0%
741	FL	Brevard	Barefoot Bay	Barefoot Bay	74.5	503.75	503.75	725	235	11%	87%	0%	3%
742	FL	St. Lucie	Port St. Lucie	Loggerhead	74.5	2100	1161	520	285	6%	77%	4%	13%
743	FL	St. Lucie	Fort Pierce	Interstate	74.5	420.3	420.3	-	-	1%	99%	0%	0%
744	FL	Miami-Dade	Kendall Grove	Miami-Dade	74.5	465.61	346.8	1,053	475	26%	74%	0%	0%
745	FL	Hillsborough	Fishhawk	Balm	74.4	547.44	419.67	732	275	15%	78%	8%	0%
		Total Number of Solar Farms			19								
				Average	55.68	626.6	555.3	1274	431	14%	60%	21%	6%
				Median	74.50	503.8	503.8	1079	285	11%	74%	8%	0%
				High	74.90	2100.0	1161.0	3596	915	56%	100%	100%	47%
				Low	3.50	25.1	84.0	380	67	0%	0%	0%	0%

On the following pages I have included summary data on the Florida solar farms indicated above. Similar information is available for the larger set of solar farms in the adjoining states in my files if requested.

The number before each solar farm is the Kirkland Appraisal's File Number for solar farms. For example, 319 indicates that this is the 319th solar farm that I have looked at and this numbering system includes all states where I have done such research.

319. Hamilton Solar, Jasper, Hamilton County



This project is located on 537 acres out of a 1,268.89-acre parent tract for a 74.9 MW facility. The closest adjoining home is 240 feet away and all of the adjoining uses are agricultural and residential. The project was built in 2018.

320. Suwanee Solar Farm, Falmouth, Suwannee County



This project is located on 83.95 acres out of a parent tract of 165.50 acres located on River Road, Falmouth, Florida. The adjoining uses are entirely agricultural and residential. This was built in 2017.

321. Osceola Solar Farm, St. Cloud, Osceola County



This project is located on 25.10 acres on Bar 7 Ranch Road south of St. Cloud, Florida. The adjoining uses are entirely agricultural.

322. Perry Solar Farm, Perry, Taylor County



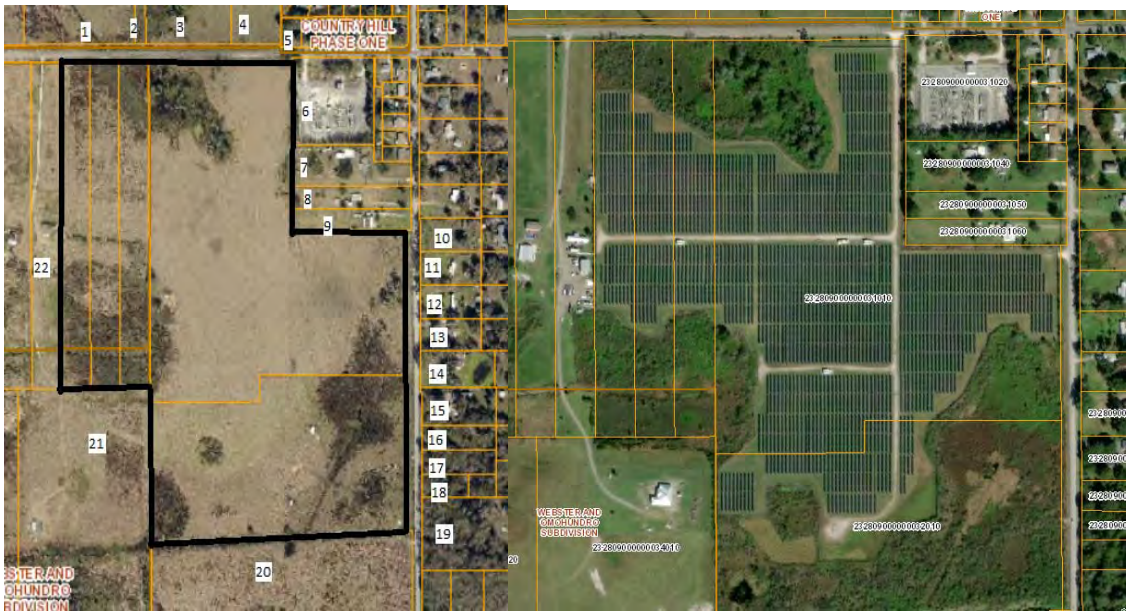
This project is located on 55.63 acres on Howard Street, Perry, Florida. The adjoining uses are agricultural, residential, a cemetery, and a school. Of note there are two homes within 100 feet of the solar panels at this site.

323. Jacksonville Solar Farm, Jacksonville, Duval County



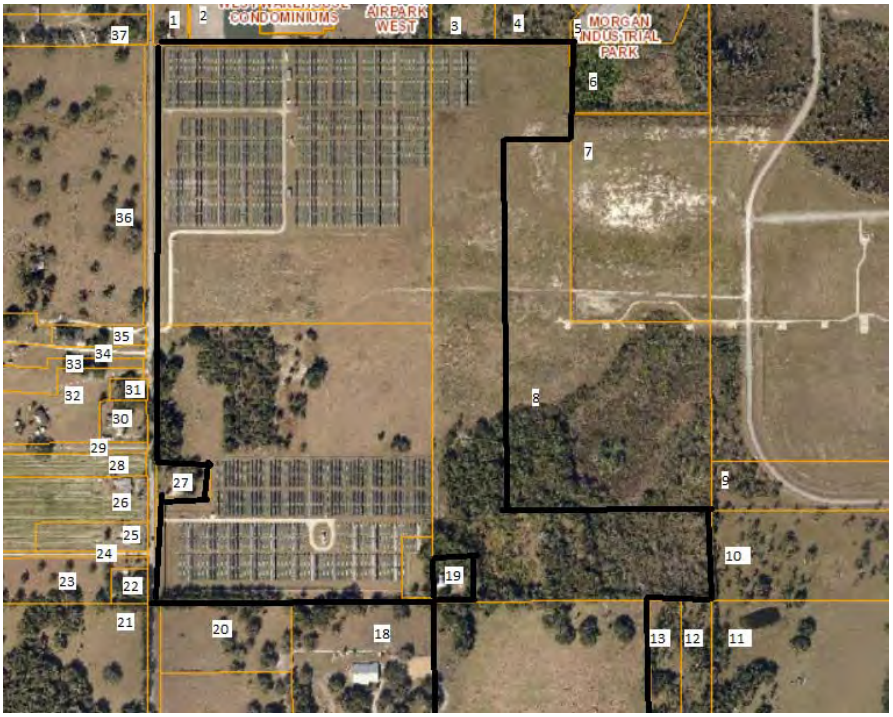
This project is located on 441.67 acres on US 301 N, Jacksonville, Florida. The adjoining uses are agricultural, residential and a substation.

334. LKL BLBD Solar Farm, Lakeland, Polk County



This project is located on a 68.64-acre tract on Bella Vista Street, Lakeland, Florida. Adjoining uses are residential, agricultural and a substation. The closest home to panel that I measured at this location is 70 feet.

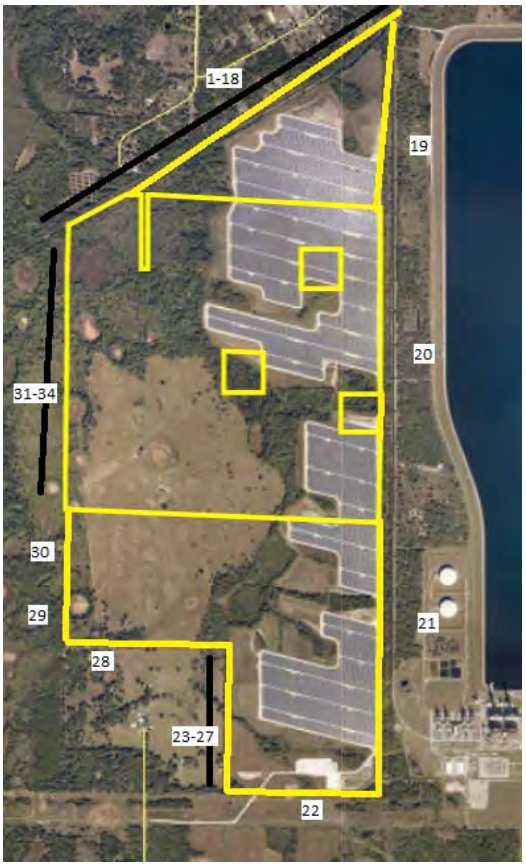
335. Polk Electric Solar Farm, Lakeland, Polk County



This solar farm is located on a 143.03 acre tract on Hamilton Road, Lakeland, Florida. An airport is located to the east, an industrial park is to the north east and most of the rest of the land is

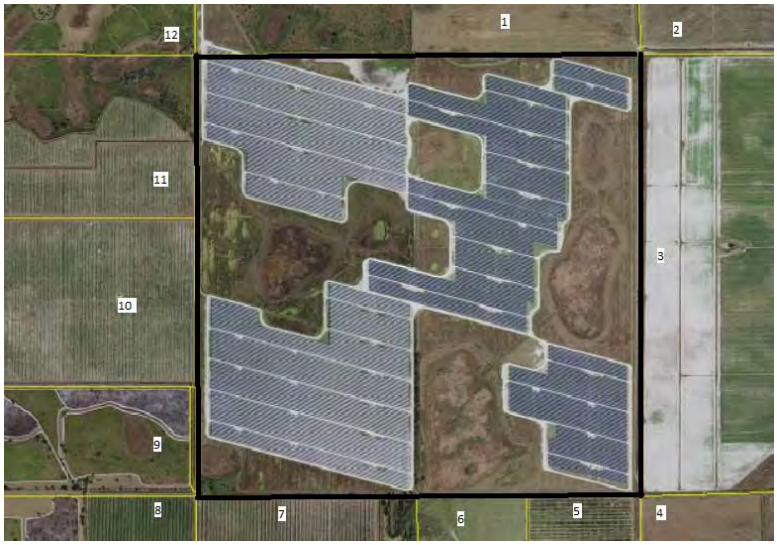
residential and agricultural. This write up shows the boundary of Lakeland 1, 2 and 3, three separate solar farms for a combined output around 11 MW.

336. Manatee Solar Farm, Parrish, Manatee County



This project is located on a 1,280.38-acre tract located near Seminole Trail, Parrish, Florida. Adjoining uses are primarily agricultural and residential. The closest home is 625 feet away.

337. Citrus Solar Farm, Arcadia, DeSoto County



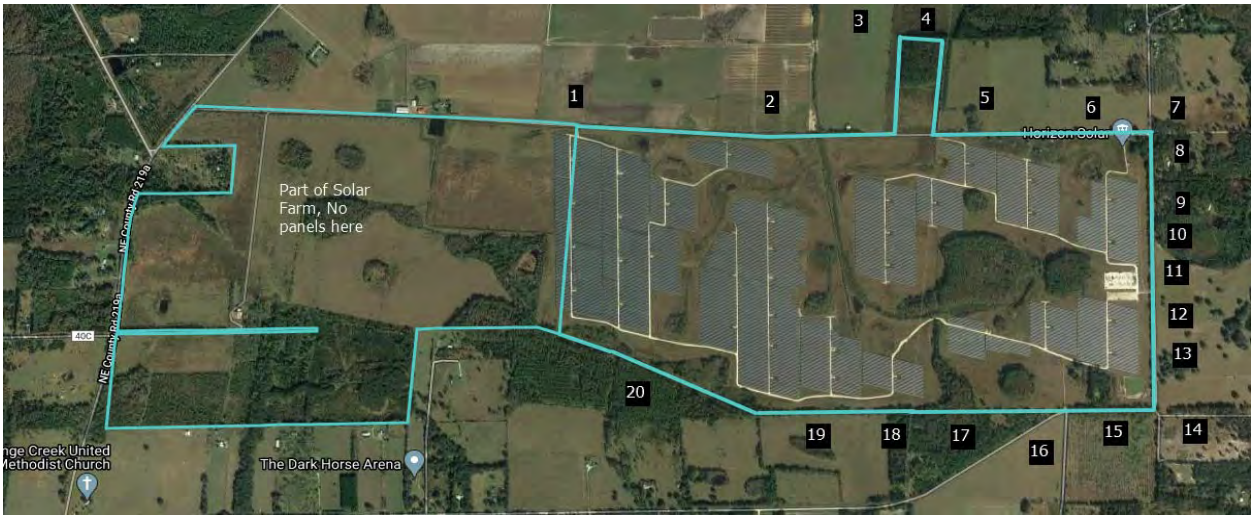
This project is located on a 640-acre tract near NE McIntyre Street, Arcadia, Florida. The adjoining uses are entirely agricultural.

338. Babcock Ranch Solar Farm, Port Charlotte, Charlotte County



This project is located on a 442.61-acre tract located at 8500 SR 31, SE of Port Charlotte, Florida. The adjoining uses are entirely agricultural.

441. Horizon Solar, Hawthorne, Alachua & Putnam County



This project is located on a 684-acre tract for a 74.5 MW facility. All adjoining uses are agricultural and residential. This project was built in 2018. The closest adjoining home is 460 feet away.

667. Pioneer Trail Solar, New Smyrna Beach, Volusia County



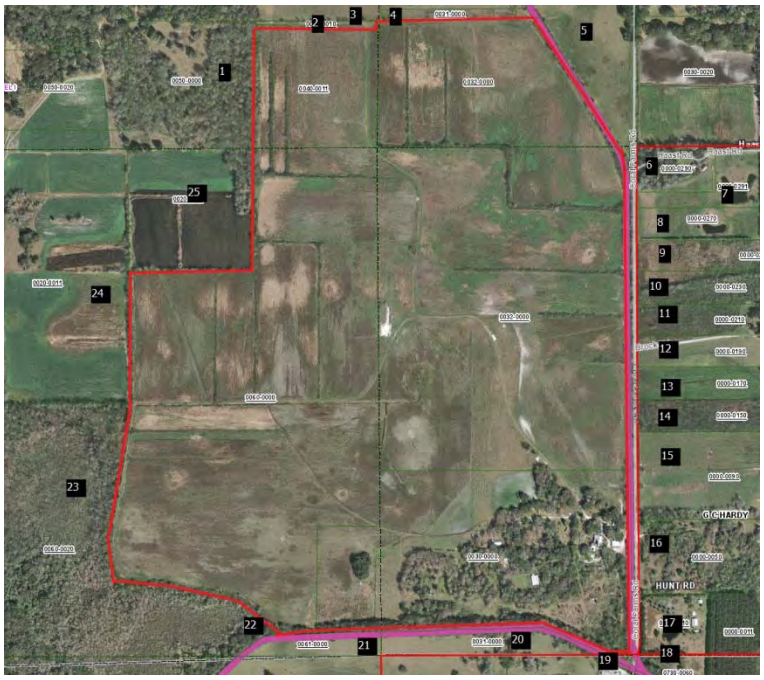
This project is located on approximately 900 acres out of a 1,202.80-acre tract for a 74.5 MW facility. All adjoining uses are agricultural and residential. This project was built in 2019. The closest home is 225 feet from the nearest panel.

668. Sunshine Gateway Solar, Lake City, Columbia County



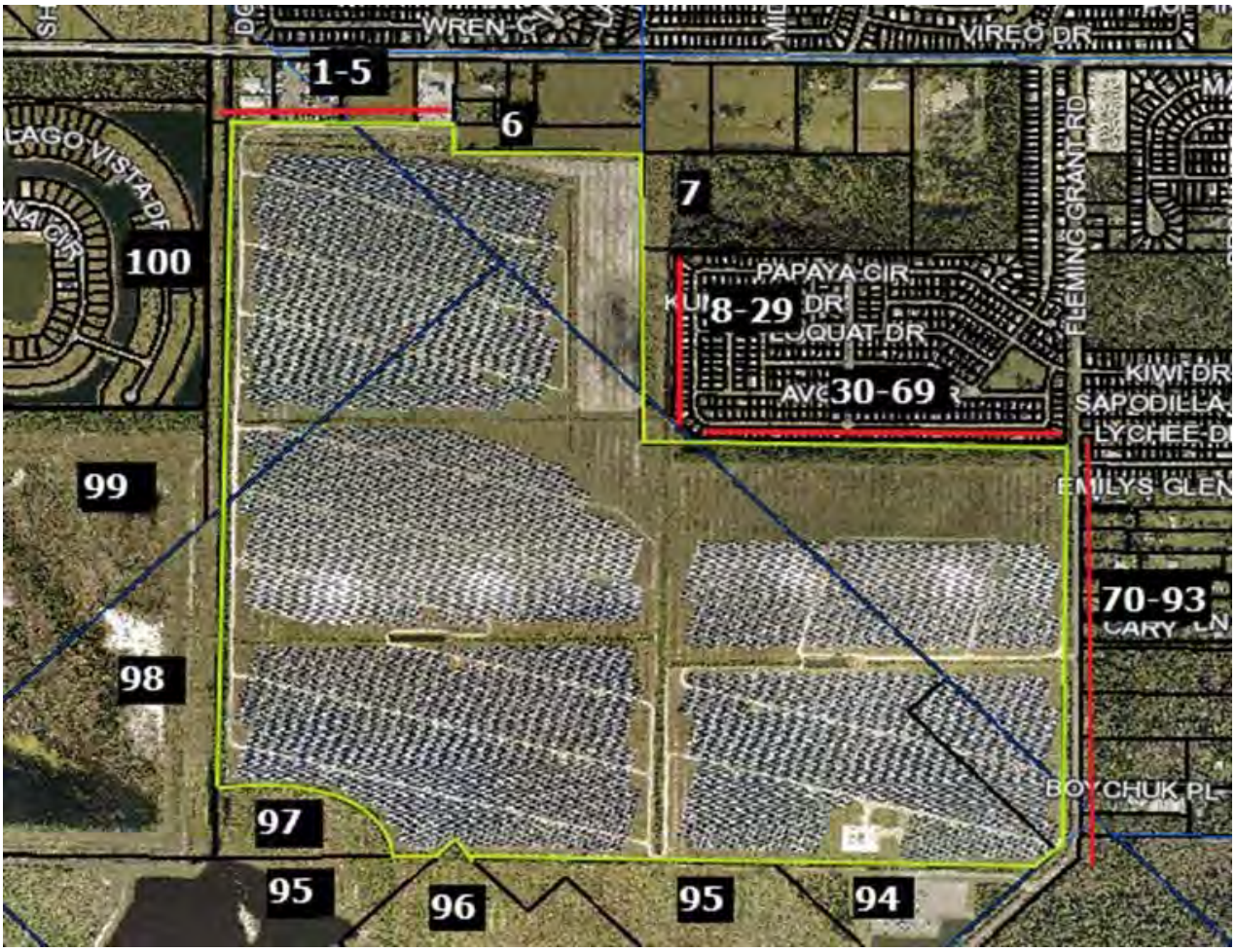
This project is located on 472 acres out of a 904.29-acre tract for a 74.5 MW facility. All adjoining uses are agricultural and residential. This project was built in 2019.

669. Coral Farms Solar, Florahome, Putnam County



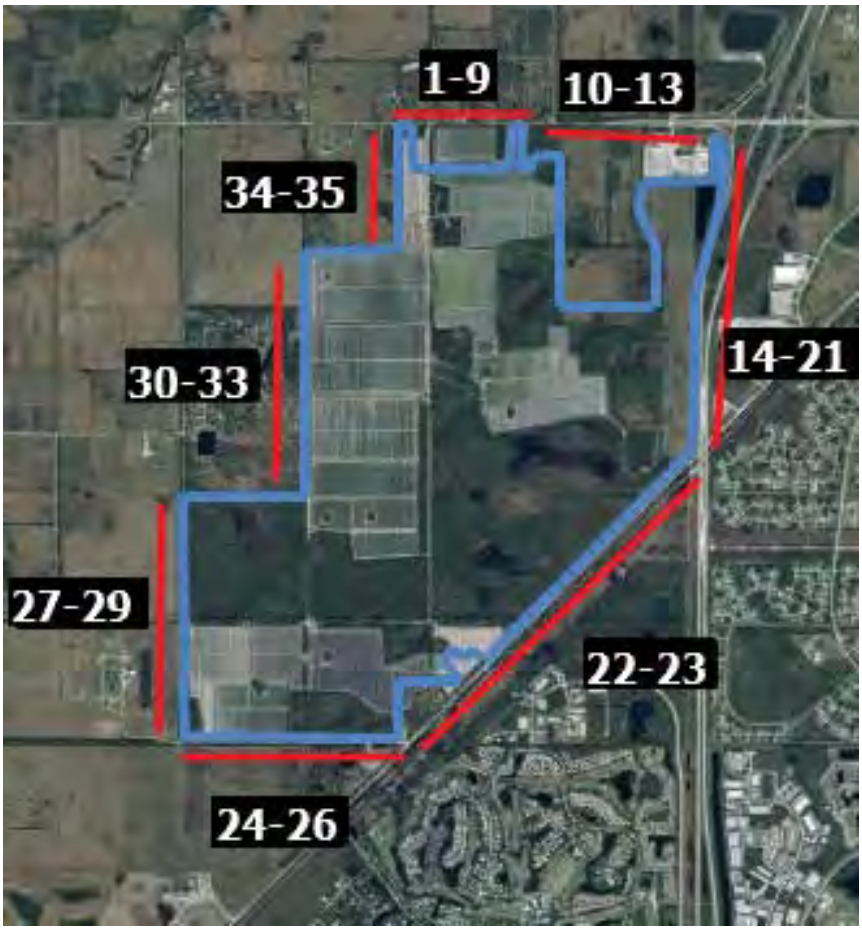
This project is located on 580 acres out of a 666.54-acre tract for a 74.5 MW facility. All adjoining uses are agricultural and residential. This project was built in 2018.

741. Barefoot Bay Solar, Barefoot Bay, Brevard County



This project is located on 504 acres for a 704.5 MW facility. Most of the adjoining uses are medium density residential with some lower density agricultural uses to the southwest. This project was built in 2018. There is a new subdivision under development to the west.

742. Loggerhead Solar, Port St. Lucie, St. Lucie County



This project is located on 1,161 acres out of a 2,100-acre tract for a 74.5 MW facility. Most of the adjoining uses are agricultural and residential. This project was built in 2018. The closest home is 285 feet from the nearest panel.

743. Interstate Solar, Fort Pierce, St. Lucie County



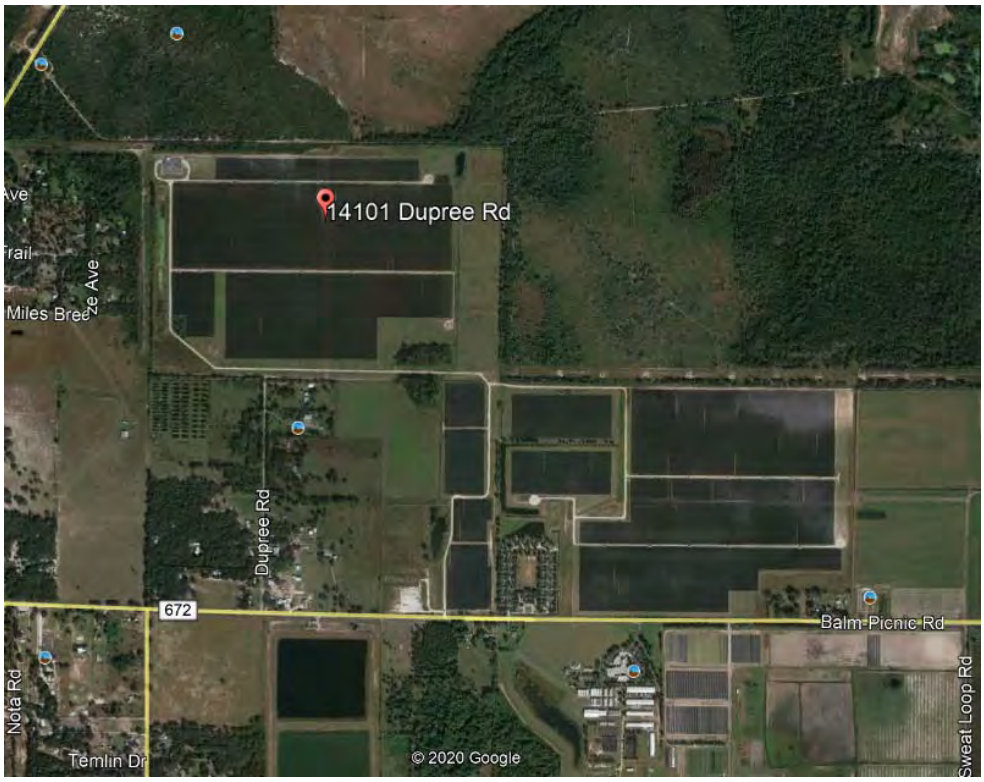
This project is located on 420.30 acres for a 74.5 MW facility. All of the adjoining uses are agricultural and residential. This project was built in 2018.

744. Miami-Dade Solar, Miami, Miami-Dade County



This project is located on 346.80 acres for a 74.5 MW facility. All of the adjoining uses are agricultural and residential. This project was built in 2019.

745. Balm Solar, Wimauma, Hillsborough County



This project is located on 419.67 acres out of a parent tract of 547.44 acres for a 74.5 MW facility. Adjoining uses are agricultural and residential including school (IFAS Institute). This project was built in 2018.

VII. Market Analysis of the Impact on Value from Solar Farms

I have researched hundreds of solar farms in numerous states to determine the impact of these facilities on the value of adjoining property. This research has primarily been in North Carolina, but I have also conducted market impact analyses in Virginia, South Carolina, Tennessee, Texas, Oregon, Mississippi, Maryland, New York, California, Missouri, Florida, Montana, Georgia, Louisiana, and New Jersey.

Wherever I have looked at solar farms, I have derived a breakdown of the adjoining uses to show what adjoining uses are typical for solar farms and what uses would likely be considered consistent with a solar farm use similar to the breakdown that I've shown for the subject property on the previous page. A summary showing the results of compiling that data over hundreds of solar farms is shown later in the Scope of Research section of this report.

I also consider whether the properties adjoining a solar farm in one location have characteristics similar to the properties abutting or adjoining the proposed site so that I can make an assessment of market impact on each proposed site. Notably, in most cases solar farms are placed in areas very similar to the site in question, which is surrounded by low density residential and agricultural uses. In my over 700 studies, I have found a striking repetition of that same typical adjoining use mix in over 90% of the solar farms I have looked at. Matched pair results in multiple states are strikingly similar, and all indicate that solar farms – which generate very little traffic, and do not generate noise, dust or have other harmful effects – do not negatively impact the value of adjoining or abutting properties.

On the following pages I have considered matched pair data specific to Florida.

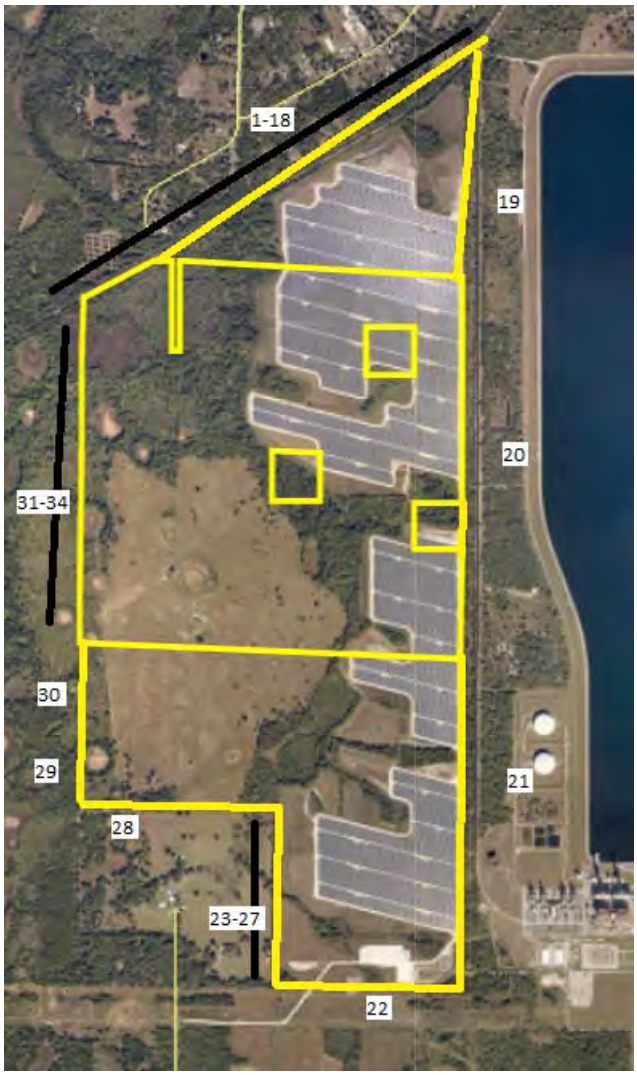
In the Appendix I have considered matched pair data throughout the Southeast of the United States as being the most similar states that would most readily compare to Florida. This includes data from Florida, Georgia, South Carolina, North Carolina, Tennessee, Virginia and Maryland. I focused on projects of 5 MW and larger though I have significant supplemental data on solar farms just smaller than that in North Carolina and Kentucky that show similar results. This data is available in my files.

Also in the Appendix I have additional supporting information from other states in my files that show a consistent pattern across the United States, but again, I have focused on the Southeast in this analysis.

A. Florida Data

I have identified matched pairs adjoining 3 of the 19 solar farms noted above. The following pages detail the matched pairs and how they were derived.

1. Matched Pair – Manatee Solar Farm, Parrish, FL



This solar farm is located near Seminole Trail, Parrish, FL. The solar farm has a 74.50 MW output and is located on a 1,180.38 acre tract and was built in 2016. The tract is owned by Florida Power & Light Company. The closest home adjoining home is 625 feet from the nearest panel.

I have considered the recent sale of 13670 Highland Road, Wimauma, Florida. This one-story, block home is located just north of the solar farm and separated from the solar farm by a railroad corridor. This home is a 3 BR, 3 BA 1,512 s.f. home with a carport and workshop. The property includes new custom cabinets, granite counter tops, brand new stainless steel appliances, updated bathrooms and new carpet in the bedrooms. The home is sitting on 5 acres. The home was built in 1997.

I have compared this sale to several nearby homesales as part of this matched pair analysis as shown below.

Solar	TAX ID/Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Note
Adjoins	13670 Highland	5.00	8/21/2017	$255,000	1997	1,512	$168.65	3/3	Carport/Wrkshp	Ranch	Renov.
Not	2901 Arrowsmith	1.91	1/31/2018	$225,000	1979	1,636	$137.53	3/2	2 Garage/Wrkshp	Ranch	
Not	602 Butch Cassidy	1.00	5/5/2017	$220,000	2001	1,560	$141.03	3/2	N/A	Ranch	Renov.
Not	2908 Wild West	1.23	7/12/2017	$254,000	2003	1,554	$163.45	3/2	2 Garage/Wrkshp	Ranch	Renov.
Not	13851 Highland	5.00	9/13/2017	$240,000	1978	1,636	$146.70	4/2	3 Garage	Ranch	Renov.

		Adjoining Sales Adjusted								
Solar	**TAX ID/Address**	**Time**	**Acres**	**YB**	**GLA**	**BR/BA**	**Park**	**Note**	**Total**	**% Diff**
Adjoins	13670 Highland								$255,000	
Not	2901 Arrowsmith	$2,250	$10,000	$28,350	-$8,527	$5,000	-$10,000	$10,000	$262,073	-3%
Not	602 Butch Cassidy	-$2,200	$10,000	-$6,160	-$3,385	$5,000	$2,000		$225,255	12%
Not	2908 Wild West	$0	$10,000	-$10,668	-$3,432	$5,000	-$10,000		$244,900	4%
Not	13851 Highland	$0	$0	$31,920	-$9,095	$3,000	-$10,000		$255,825	0%
									Average	3%

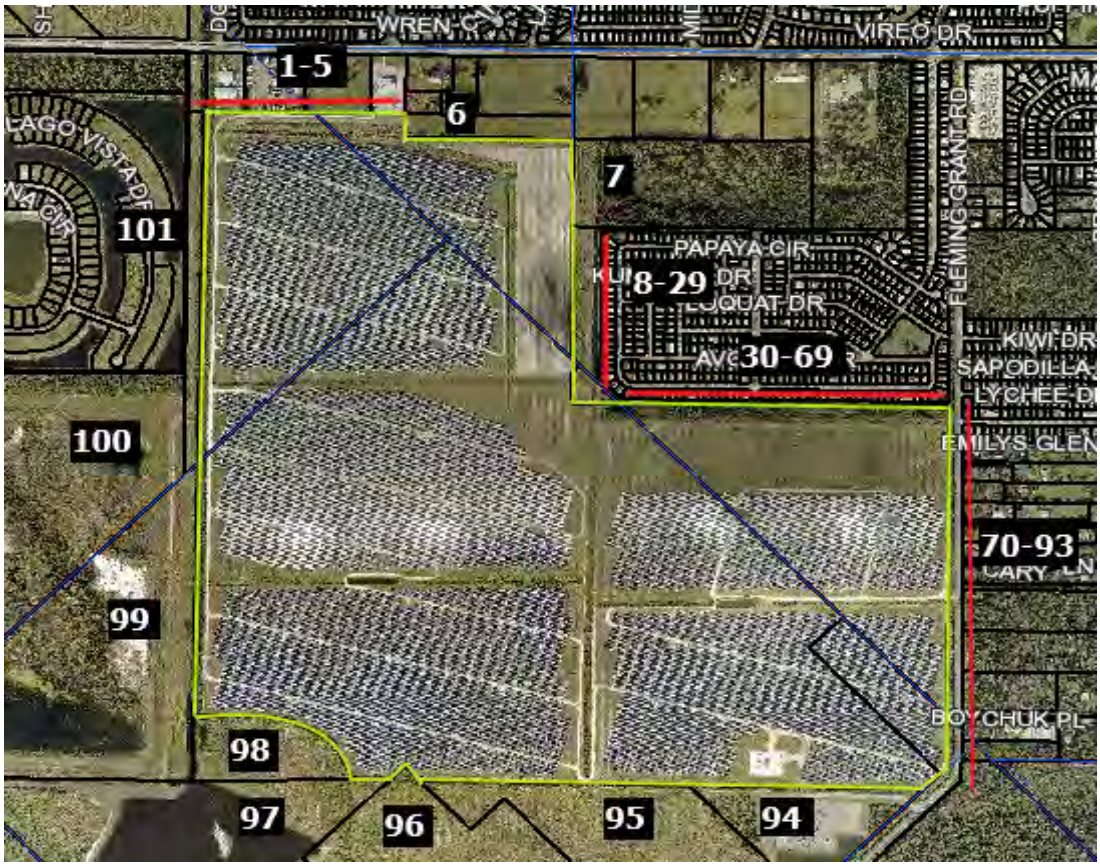
The sales prices of the comparables before adjustments range from $220,000 to $254,000. After adjustments they range from $225,255 to $262,073. The comparables range from no impact to a strong positive impact. The comparables showing -3% and +4% impact on value are considered within a typical range of value and therefore not indicative of any impact on property value.

This set of matched pair data falls in line with the data seen in other states. The closest solar panel to the home at 13670 Highland is 1,180 feet. There is a wooded buffer between these two properties.

I have included a map showing the relative location of these properties below.



2. Matched Pair – Barefoot Bay Solar Farm, Barefoot Bay, FL



This project is located on 504 acres for a 704.5 MW facility. Most of the adjoining uses are medium density residential with some lower density agricultural uses to the southwest. This project was built in 2018. There is a new subdivision under development to the west. The closest adjoining home is 235 feet from the nearest panel.

I have considered a number of recent home sales from the Barefoot Bay Golf Course in the Barefoot Bay Recreation District. There are a number of sales of these mobile/manufactured homes along the eastern boundary and the lower northern boundary. I have compared those home sales to other similar homes in the same community but without the exposure to the solar farm. Staying within the same community keeps location and amenity impacts consistent. I did avoid any comparison with home sales with golf course or lakefront views as that would introduce another variable.

The six manufactured/double wide homes shown below were each compared to three similar homes in the same community and are consistently showing no impact on the adjoining property values. Based on the photos from the listings, there is limited but some visibility of the solar farm to the east, but the canal and landscaping between are providing a good visual buffer and actually are commanding a premium over the non-canal homes.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
14	Adjoins	465 Papaya Cr	0.12	7/21/2019	$155,000	1993	1,104	$140.40	2/2	Drive	Manuf	Canal
	Not	1108 Navajo	0.14	2/27/2019	$129,000	1984	1,220	$105.74	2/2	Crprt	Manuf	Canal
	Not	1007 Barefoot	0.11	9/3/2020	$168,000	2005	1,052	$159.70	2/2	Crprt	Manuf	Canal
	Not	1132 Waterway	0.11	7/10/2020	$129,000	1982	1,012	$127.47	2/2	Crprt	Manuf	Canal

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
465 Papaya Cr							$155,000			765
1108 Navajo	$1,565	$5,805	-$9,812				$126,558	18%		
1007 Barefoot	-$5,804	-$10,080	$6,643				$158,759	-2%		
1132 Waterway	-$3,859	$7,095	$9,382				$141,618	9%		
									8%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
19	Adjoins	455 Papaya	0.12	9/1/2020	$183,500	2005	1,620	$113.27	3/2	Crprt	Manuf	Canal
	Not	938 Waterway	0.11	2/12/2020	$160,000	1986	1,705	$93.84	2/2	Crprt	Manuf	Canal
	Not	719 Barefoot	0.12	4/14/2020	$150,000	1996	1,635	$91.74	3/2	Crprt	Manuf	Canal
	Not	904 Fir	0.17	9/27/2020	$192,500	2010	1,626	$118.39	3/2	Crprt	Manuf	Canal

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
455 Papaya							$183,500			750
938 Waterway	$2,724	$15,200	-$6,381				$171,542	7%		
719 Barefoot	$1,770	$6,750	-$1,101				$157,419	14%		
904 Fir	-$422	-$4,813	-$568				$186,697	-2%		
									6%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
37	Adjoins	419 Papaya	0.09	7/16/2019	$127,500	1986	1,303	$97.85	2/2	Crprt	Manuf	Green
	Not	865 Tamarind	0.12	2/4/2019	$133,900	1995	1,368	$97.88	2/2	Crprt	Manuf	Green
	Not	501 Papaya	0.10	6/15/2018	$109,000	1986	1,234	$88.33	2/2	Crprt	Manuf	
	Not	418 Papaya	0.09	8/28/2019	$110,000	1987	1,248	$88.14	2/2	Crprt	Manuf	

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
419 Papaya							$127,500			690
865 Tamarind	$1,828	-$6,026	-$5,090				$124,613	2%		
501 Papaya	$3,637	$0	$4,876			$5,000	$122,513	4%		
418 Papaya	-$399	-$550	$3,878			$5,000	$117,930	8%		
									5%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
39	Adjoins	413 Papaya	0.09	7/16/2020	$130,000	2001	918	$141.61	2/2	Crprt	Manuf	Grn/Upd
	Not	341 Loquat	0.09	2/3/2020	$118,000	1985	989	$119.31	2/2	Crprt	Manuf	Full Upd
	Not	1119 Pocatella	0.19	1/5/2021	$120,000	1993	999	$120.12	2/2	Crprt	Manuf	Green
	Not	1367 Barefoot	0.10	1/12/2021	$130,500	1987	902	$144.68	2/2	Crprt	Manuf	Green/Upd

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
413 Papaya							$130,000			690
341 Loquat	$1,631	$9,440	-$6,777				$122,294	6%		
1119 Pocatella	-$1,749	$4,800	-$7,784			$5,000	$120,267	7%		
1367 Barefoot	-$1,979	$9,135	$1,852				$139,507	-7%		
									2%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
48	Adjoins	343 Papaya	0.09	12/17/2019	$145,000	1986	1,508	$96.15	3/2	Crprt	Manuf	Gn/Fc/Upd
	Not	865 Tamarind	0.12	2/4/2019	$133,900	1995	1,368	$97.88	2/2	Crprt	Manuf	Green
	Not	515 Papaya	0.09	3/22/2018	$145,000	2005	1,376	$105.38	3/2	Crprt	Manuf	Green
	Not	849 Tamarind	0.15	6/26/2019	$155,000	1997	1,716	$90.33	3/2	Crprt	Manuf	Grn/Fnce

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
343 Papaya							$145,000			690
865 Tamarind	$3,566	-$6,026	$10,963				$142,403	2%		
515 Papaya	$7,759	-$13,775	$11,128				$150,112	-4%		
849 Tamarind	$2,273	-$8,525	-$15,030			$5,000	$138,717	4%		
									1%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
52	Nearby	335 Papaya	0.09	4/17/2018	$110,000	1987	1,180	$93.22	2/2	Crprt	Manuf	Green
	Not	865 Tamarind	0.12	2/4/2019	$133,900	1995	1,368	$97.88	2/2	Crprt	Manuf	Green
	Not	501 Papaya	0.10	6/15/2018	$109,000	1986	1,234	$88.33	2/2	Crprt	Manuf	
	Not	604 Puffin	0.09	10/23/2018	$110,000	1988	1,320	$83.33	2/2	Crprt	Manuf	

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
335 Papaya							$110,000			710
865 Tamarind	-$3,306	-$5,356	-$14,721			$0	$110,517	0%		
501 Papaya	-$542	$545	-$3,816			$5,000	$110,187	0%		
604 Puffin	-$1,752	-$550	-$9,333			$5,000	$103,365	6%		
									2%	

I also identified a new subdivision being developed just to the west of this solar farm called The Lakes at Sebastian Preserve. These are all canal-lot homes that are being built with homes starting at $271,000 based on the website and closed sales showing up to $342,000. According to Monique, the onsite broker with Holiday Builders, the solar farm is difficult to see from the lots that back up to that area and she does not anticipate any difficulty in selling those future homes or lots or any impact on the sales price. The closest home that will be built in this development will be approximately 340 feet from the nearest panel.

Based on the closed home prices in Barefoot Bay as well as the broker comments and activity at The Lakes at Sebastian Preserve, the data around this solar farm strongly indicates no negative impact on property value.

3. Matched Pair – Miami-Dade Solar Farm, Miami, FL



This project is located on 346.80 acres for a 74.5 MW facility. All of the adjoining uses are agricultural and residential. This project was built in 2019. The closest adjoining home is 475 feet from the nearest panel.

I considered the recent sale of Parcel 26 to the south that sold for over $1.6 million dollars. This home is located on 4.2 acres with additional value in the palm trees according to the listing. The comparables include similar homes nearby that are all actually on larger lots and several include avocado or palm tree income as well. All of the comparables are in similar proximity to the subject and all have similar proximity to the Miami-Dade Executive airport that is located 2.5 miles to the east.

These sales are showing no impact on the value of the property from the adjoining solar farm.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
26	Adjoins	13600 SW 182nd	4.20	11/5/2020	$1,684,000	2008	6,427	$262.02	5/5.5	3 Gar	CBS Rnch	Pl/Guest
	Not	18090 SW 158th	5.73	10/8/2020	$1,050,000	1997	3,792	$276.90	5/4	3 Gar	CBS Rnch	
	Not	14311 SW 187th	4.70	10/22/2020	$1,100,000	2005	3,821	$287.88	6/5	3 Gar	CBS Rnch	Pool
	Not	17950 SW 158th	6.21	10/22/2020	$1,730,000	2000	6,917	$250.11	6/5.5	2 Gar	CBS Rnch	Pool

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
13600 SW 182nd								$1,684,000			1390
18090 SW 158th	$2,478		$57,750	$583,703	$30,000			$1,723,930	-2%		
14311 SW 187th	$1,298		$16,500	$600,178	$10,000			$1,727,976	-3%		
17950 SW 158th	$2,041		$69,200	-$98,043		$10,000		$1,713,199	-2%		
										-2%	

Conclusion – Florida

Florida Matched Pair Summary
Matched Pair Summary

	Name	City	State	Acres	MW	Topo Shift	Adj. Uses By Acreage: Res	Ag	Ag/Res	Com/Ind	1 mile Radius (2010-2020 Data): Population	Med. Income	Avg. Housing Unit
1	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667
2	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320
3	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571
	Average			677	74.67	7	13%	86%	0%	1%	874	$67,549	$279,519
	Median			504	74.50	0	11%	87%	0%	0%	127	$75,000	$291,667
	High			1,180	75.00	20	26%	97%	1%	3%	2,446	$90,909	$403,571
	Low			347	74.50	0	2%	74%	0%	0%	48	$36,737	$143,320

The median income for the population within 1 mile of a solar farm is $75,000 with a median housing unit value of $291,667. All of these comparable solar farms have homes within a 1-mile radius under $400,000 on average, though one of these solar farms has an adjoining home that sold for over $1.6 million. The adjoining uses show that residential and agricultural uses are the predominant adjoining uses.

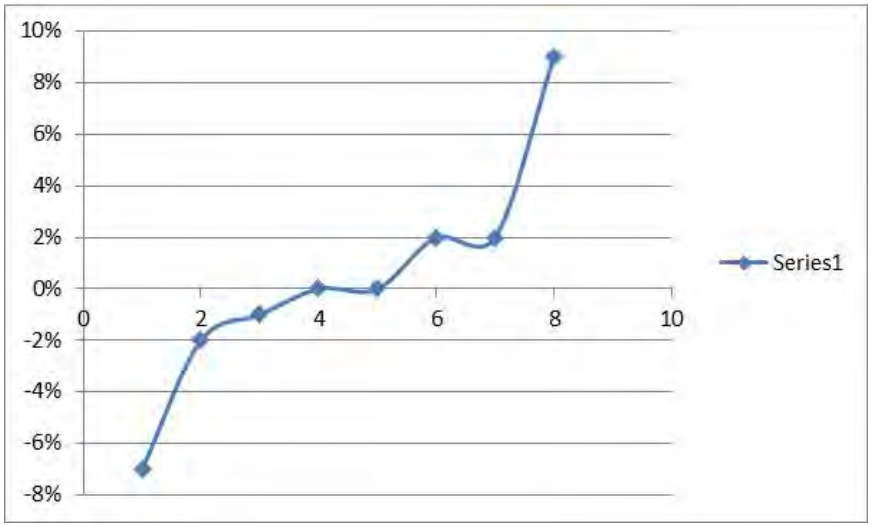
The demographics around the subject property are showing 35 population within a 1-mile radius of the center of the project with a median income of $100,000 and an average home value of $262,500. If I expand that out to a 3-mile radius the population is 2,635 with a median income of $80,979 and an average home value of $276,751.

Based on the similarity of adjoining uses and demographic data between these sites and the subject property, I consider it reasonable to compare these sites to the subject property. These solar farms are all of similar size and scale to the proposed solar farm which makes for a strong comparison.

Each of these solar farms has adjoining home sales that support a conclusion of no impact on adjoining property values.

The following pages show greater detail on these solar farms and how the 8 residential matched pairs from 3 solar farms were established.

Below I have shown those findings charted from smallest to largest to show that most of the findings are between +/-5% within typical market variation. There is one outlier above and one oulier below this range.



Residential Dwelling Matched Pairs Adjoining Solar Farms

Pair	Solar Farm	City	State	Area	MW	Approx Distance	Tax ID/Address	Sale Date	Sale Price	Adj. Sale Price	% Diff
1	Manatee	Parrish	FL	Rural	75	1180	13670 Highland	Aug-18	$255,000		
							13851 Highland	Sep-18	$240,000	$255,825	0%
2	Barefoot Bay	Barefoot Bay	FL	Suburban	74.5	765	465 Papaya	Jul-19	$155,000		
							1132 Waterway	Jul-20	$129,000	$141,618	9%
3	Barefoot Bay	Barefoot Bay	FL	Suburban	74.5	750	455 Papaya	Sep-20	$183,500		
							904 Fir	Sep-20	$192,500	$186,697	-2%
4	Barefoot Bay	Barefoot Bay	FL	Suburban	74.5	690	419 Papaya	Jul-19	$127,500		
							865 Tamarind	Feb-19	$133,900	$124,613	2%
5	Barefoot Bay	Barefoot Bay	FL	Suburban	74.5	690	413 Papaya	Jul-20	$130,000		
							1367 Barefoot	Jan-21	$130,500	$139,507	-7%
6	Barefoot Bay	Barefoot Bay	FL	Suburban	74.5	690	343 Papaya	Dec-19	$145,000		
							865 Tamarind	Feb-19	$133,900	$142,403	2%
7	Barefoot Bay	Barefoot Bay	FL	Suburban	74.5	710	335 Papaya	Apr-18	$110,000		
							865 Tamarind	Feb-19	$133,900	$110,517	0%
8	Miami-Dade	Miami	FL	Suburban	74.5	1390	13600 SW 182nd	Nov-20	$1,684,000		
							17950 SW 158th	Oct-20	$1,730,000	$1,713,199	-2%

	MW	Avg. Distance
Average	74.56	858
Median	74.50	730
High	75.00	1,390
Low	74.50	690

	% Dif
Average	0%
Median	0%
High	9%
Low	-7%

I also spoke with Rolando Ortiz with La Rosa Realty North Florida, LLC regarding a property that he was the buyer's agent on adjoining the Horizon Solar site in Archer/Putnam County. He represented a buyer that picked up this fenced pasture land with 20 acres for $150,000 on May 30, 2019. He is now representing that buyer in marketing this land for $180,000. According to Mr. Ortiz, they did not consider the solar farm as a negative in either the purchase or now in the marketing of the property.

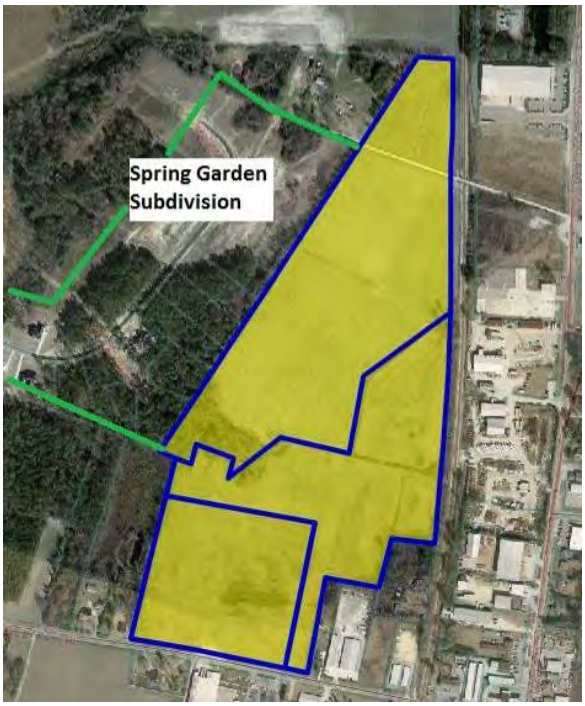
I also spoke with Century 21 Lakeside Realty about 21.38 acres located at 270 Price Road Hawthorne and adjoining the same Horizon Solar site in Archer/Putnam County. They were the selling agent and indicated that the solar farm had no impact on the marketing or sales price of this site. This property sold on July 23, 2020 for $75,000. This included a significant amount of unbuildable area, but also backed up to a secluded fishing pond.

I did not generate matched pairs for these land sales as land values in the area were highly variable due to fencing and unbuildable areas, which made locating usable matched pairs challenging. For example, even comparing these two land sales to each other, they are very similar in size, both have fencing in place, and both adjoin the solar farm but one sold for half the price of the other due to variations in the buildable area. Still the comments from the brokers reinforce the conclusions shown by the matched pairs noted above.

B. Southeastern USA Data – Over 5 MW

1. Matched Pair – AM Best Solar Farm, Goldsboro, NC

This 5 MW solar farm adjoins Spring Garden Subdivision which had new homes and lots available for new construction during the approval and construction of the solar farm. The recent home sales have ranged from $200,000 to $250,000. This subdivision sold out the last homes in late 2014. The solar farm is clearly visible particularly along the north end of this street where there is only a thin line of trees separating the solar farm from the single-family homes.

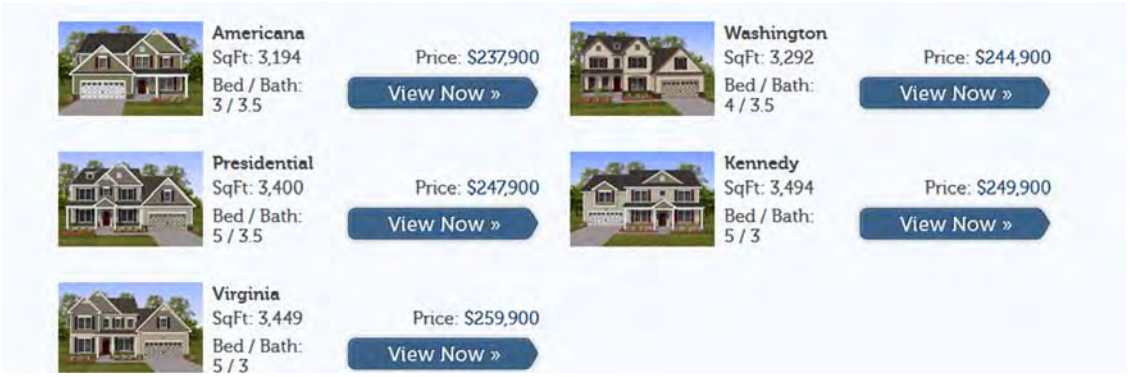


Homes backing up to the solar farm are selling at the same price for the same floor plan as the homes that do not back up to the solar farm in this subdivision. According to the builder, the solar farm has been a complete non-factor. Not only do the sales show no difference in the price paid for the various homes adjoining the solar farm versus not adjoining the solar farm, but there are actually more recent sales along the solar farm than not. There is no impact on the sellout rate, or time to sell for the homes adjoining the solar farm.

I spoke with a number of owners who adjoin the solar farm and none of them expressed any concern over the solar farm impacting their property value.

The data presented on the following page shows multiple homes that have sold in 2013 and 2014 adjoining the solar farm at prices similar to those not along the solar farm. These series of sales indicate that the solar farm has no impact on the adjoining residential use.

The homes that were marketed at Spring Garden are shown below.



The homes adjoining the solar farm are considered to have a light landscaping screen as it is a narrow row of existing pine trees supplemented with evergreen plantings.

Matched Pairs
As of Date: 9/3/2014

Adjoining Sales After Solar Farm Completed

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	Style
3600195570	Helm	0.76	Sep-13	$250,000	2013	3,292	$75.94	2 Story
3600195361	Leak	1.49	Sep-13	$260,000	2013	3,652	$71.19	2 Story
3600199891	McBrayer	2.24	Jul-14	$250,000	2014	3,292	$75.94	2 Story
3600198632	Foresman	1.13	Aug-14	$253,000	2014	3,400	$74.41	2 Story
3600196656	Hinson	0.75	Dec-13	$255,000	2013	3,453	$73.85	2 Story
	Average	1.27		$253,600	2013.4	3,418	$74.27	
	Median	1.13		$253,000	2013	3,400	$74.41	

Adjoining Sales After Solar Farm Announced

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	Style
0	Feddersen	1.56	Feb-13	$247,000	2012	3,427	$72.07	Ranch
0	Gentry	1.42	Apr-13	$245,000	2013	3,400	$72.06	2 Story
	Average	1.49		$246,000	2012.5	3,414	$72.07	
	Median	1.49		$246,000	2012.5	3,414	$72.07	

Adjoining Sales Before Solar Farm Announced

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	Style
3600183905	Carter	1.57	Dec-12	$240,000	2012	3,347	$71.71	1.5 Story
3600193097	Kelly	1.61	Sep-12	$198,000	2012	2,532	$78.20	2 Story
3600194189	Hadwan	1.55	Nov-12	$240,000	2012	3,433	$69.91	1.5 Story
	Average	1.59		$219,000	2012	2,940	$74.95	
	Median	1.59		$219,000	2012	2,940	$74.95	

Nearby Sales After Solar Farm Completed

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	Style
3600193710	Barnes	1.12	Oct-13	$248,000	2013	3,400	$72.94	2 Story
3601105180	Nackley	0.95	Dec-13	$253,000	2013	3,400	$74.41	2 Story
3600192528	Mattheis	1.12	Oct-13	$238,000	2013	3,194	$74.51	2 Story
3600198928	Beckman	0.93	Mar-14	$250,000	2014	3,292	$75.94	2 Story
3600196965	Hough	0.81	Jun-14	$224,000	2014	2,434	$92.03	2 Story
3600193914	Preskitt	0.67	Jun-14	$242,000	2014	2,825	$85.66	2 Story
3600194813	Bordner	0.91	Apr-14	$258,000	2014	3,511	$73.48	2 Story
3601104147	Shaffer	0.73	Apr-14	$255,000	2014	3,453	$73.85	2 Story
	Average	0.91		$246,000	2013.625	3,189	$77.85	
	Median	0.92		$249,000	2014	3,346	$74.46	

Nearby Sales Before Solar Farm Announced

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	Style
3600191437	Thomas	1.12	Sep-12	$225,000	2012	3,276	$68.68	2 Story
3600087968	Lilley	1.15	Jan-13	$238,000	2012	3,421	$69.57	1.5 Story
3600087654	Burke	1.26	Sep-12	$240,000	2012	3,543	$67.74	2 Story
3600088796	Hobbs	0.73	Sep-12	$228,000	2012	3,254	$70.07	2 Story
	Average	1.07		$232,750	2012	3,374	$69.01	
	Median	1.14		$233,000	2012	3,349	$69.13	

Matched Pair Summary

	Adjoins Solar Farm		Nearby Solar Farm	
	Average	**Median**	**Average**	**Median**
Sales Price	$253,600	$253,000	$246,000	$249,000
Year Built	2013	2013	2014	2014
Size	3,418	3,400	3,189	3,346
Price/SF	$74.27	$74.41	$77.85	$74.46

Percentage Differences

Median Price	-2%
Median Size	-2%
Median Price/SF	0%

I note that 2308 Granville Drive sold again in November 2015 for $267,500, or $7,500 more than when it was purchased new from the builder two years earlier (Tax ID 3600195361, Owner: Leak). The neighborhood is clearly showing appreciation for homes adjoining the solar farm.

The Median Price is the best indicator to follow in any analysis as it avoids outlying samples that would otherwise skew the results. The median sizes and median prices are all consistent throughout the sales both before and after the solar farm whether you look at sites adjoining or nearby to the solar farm. The average size for the homes nearby the solar farm shows a smaller building size and a higher price per square foot. This reflects a common occurrence in real estate where the price per square foot goes up as the size goes down. So even comparing averages the indication is for no impact, but I rely on the median rates as the most reliable indication for any such analysis.

I have also considered four more recent resales of homes in this community as shown on the following page. These comparable sales adjoin the solar farm at distances ranging from 315 to 400 feet. The matched pairs show a range from -9% to +6%. The range of the average difference is -2% to +1% with an average of 0% and a median of +0.5%. These comparable sales support a finding of no impact on property value.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	103 Granville Pl	1.42	7/27/2018	$265,000	2013	3,292	$80.50	4/3.5	2-Car	2-Story		385
	Not	2219 Granville	1.15	1/8/2018	$260,000	2012	3,292	$78.98	4/3.5	2-Car	2-Story		
	Not	634 Friendly	0.96	7/31/2019	$267,000	2018	3,053	$87.45	4/4.5	2-Car	2-Story		
	Not	2403 Granville	0.69	4/23/2019	$265,000	2014	2,816	$94.11	5/3.5	2-Car	2-Story		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	103 Granville Pl								$265,000		-2%
Not	2219 Granville	$4,382		$1,300	$0				$265,682	0%	
Not	634 Friendly	-$8,303		-$6,675	$16,721	-$10,000			$258,744	2%	
Not	2403 Granville	-$6,029		-$1,325	$31,356				$289,001	-9%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	104 Erin	2.24	6/19/2017	$280,000	2014	3,549	$78.90	5/3.5	2-Car	2-Story		315
	Not	2219 Granville	1.15	1/8/2018	$260,000	2012	3,292	$78.98	4/3.5	2-Car	2-Story		
	Not	634 Friendly	0.96	7/31/2019	$267,000	2018	3,053	$87.45	4/4.5	2-Car	2-Story		
	Not	2403 Granville	0.69	4/23/2019	$265,000	2014	2,816	$94.11	5/3.5	2-Car	2-Story		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	104 Erin								$280,000		0%
Not	2219 Granville	-$4,448		$2,600	$16,238				$274,390	2%	
Not	634 Friendly	-$17,370		-$5,340	$34,702	-$10,000			$268,992	4%	
Not	2403 Granville	-$15,029		$0	$48,285				$298,256	-7%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	2312 Granville	0.75	5/1/2018	$284,900	2013	3,453	$82.51	5/3.5	2-Car	2-Story		400
	Not	2219 Granville	1.15	1/8/2018	$260,000	2012	3,292	$78.98	4/3.5	2-Car	2-Story		
	Not	634 Friendly	0.96	7/31/2019	$267,000	2018	3,053	$87.45	4/4.5	2-Car	2-Story		
	Not	2403 Granville	0.69	4/23/2019	$265,000	2014	2,816	$94.11	5/3.5	2-Car	2-Story		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	2312 Granville								$284,900		1%
Not	2219 Granville	$2,476		$1,300	$10,173				$273,948	4%	
Not	634 Friendly	-$10,260		-$6,675	$27,986	-$10,000			$268,051	6%	
Not	2403 Granville	-$7,972		-$1,325	$47,956				$303,659	-7%	

Adjoining Residential Sales After Solar Farm Approved

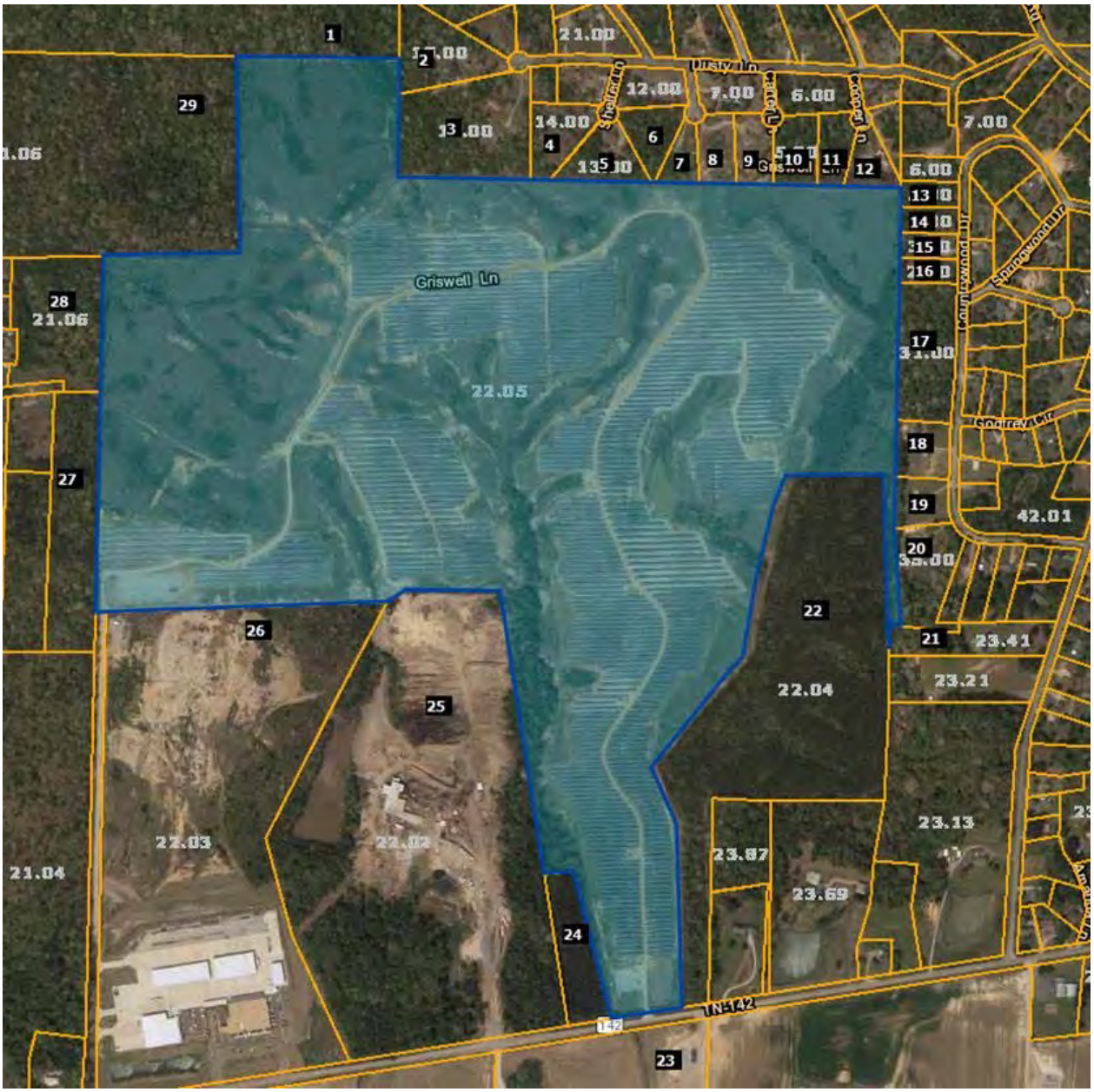
Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	2310 Granville	0.76	5/14/2019	$280,000	2013	3,292	$85.05	5/3.5	2-Car	2-Story		400
	Not	2219 Granville	1.15	1/8/2018	$260,000	2012	3,292	$78.98	4/3.5	2-Car	2-Story		
	Not	634 Friendly	0.96	7/31/2019	$267,000	2018	3,053	$87.45	4/4.5	2-Car	2-Story		
	Not	2403 Granville	0.69	4/23/2019	$265,000	2014	2,816	$94.11	5/3.5	2-Car	2-Story		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	2310 Granville								$280,000		1%
Not	2219 Granville	$10,758		$1,300	$0				$272,058	3%	
Not	634 Friendly	-$1,755		-$6,675	$16,721	-$10,000			$265,291	5%	
Not	2403 Granville	$469		-$1,325	$31,356				$295,500	-6%	

I have also considered the original sales prices in this subdivision relative to the recent resale values as shown in the chart below. This rate of appreciation is right at 2.5% over the last 6 years. Zillow indicates that the average home value within the 27530-zip code as of January 2014 was $101,300 and as of January 2020 that average is $118,100. This indicates an average increase in the market of 2.37%. I conclude that the appreciation of the homes adjoining the solar farm are not impacted by the presence of the solar farm based on this data.

	Address	Initial Sale Date	Price	Second Sale Date	Price	Year Diff	Apprec.	% Apprec.	Apprec. %/Year
1	103 Granville Pl	4/1/2013	$245,000	7/27/2018	$265,000	5.32	$20,000	8.16%	1.53%
2	105 Erin	7/1/2014	$250,000	6/19/2017	$280,000	2.97	$30,000	12.00%	4.04%
3	2312 Granville	12/1/2013	$255,000	5/1/2015	$262,000	1.41	$7,000	2.75%	1.94%
4	2312 Granville	5/1/2015	$262,000	5/1/2018	$284,900	3.00	$22,900	8.74%	2.91%
5	2310 Granville	8/1/2013	$250,000	5/14/2019	$280,000	5.79	$30,000	12.00%	2.07%
6	2308 Granville	9/1/2013	$260,000	11/12/2015	$267,500	2.20	$7,500	2.88%	1.31%
7	2304 Granville	9/1/2012	$198,000	6/1/2017	$225,000	4.75	$27,000	13.64%	2.87%
8	102 Erin	8/1/2014	$253,000	11/1/2016	$270,000	2.25	$17,000	6.72%	2.98%
								Average	2.46%
								Median	2.47%

2. Matched Pair – Mulberry, Selmer, TN



This 16 MW solar farm was built in 2014 on 208.89 acres with the closest home being 480 feet.

This solar farm adjoins two subdivisions with Central Hills having a mix of existing and new construction homes. Lots in this development have been marketed for $15,000 each with discounts offered for multiple lots being used for a single home site. I spoke with the agent with Rhonda Wheeler and Becky Hearnsberger with United County Farm & Home Realty who noted that they have seen no impact on lot or home sales due to the solar farm in this community.

I have included a map below as well as data on recent sales activity on lots that adjoin the solar farm or are near the solar farm in this subdivision both before and after the announced plan for this solar farm facility. I note that using the same method I used to breakdown the adjoining uses at the subject property I show that the predominant adjoining uses are residential and agricultural, which is consistent with the location of most solar farms.

Adjoining Use Breakdown

	Acreage	Parcels
Commercial	3.40%	0.034
Residential	12.84%	79.31%
Agri/Res	10.39%	3.45%
Agricultural	73.37%	13.79%
Total	**100.00%**	**100.00%**

I have run a number of direct matched comparisons on the sales adjoining this solar farm as shown below. These direct matched pairs include some of those shown above as well as additional more recent sales in this community. In each of these I have compared the one sale adjoining the solar farm to multiple similar homes nearby that do not adjoin a solar farm to look for any potential impact from the solar farm.

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
3	Adjoins	491 Dusty	6.86	10/28/2016	$176,000	2009	1,801	$97.72	3/2	2-Gar	Ranch	
	Not	820 Lake Trail	1.00	6/8/2018	$168,000	2013	1,869	$89.89	4/2	2-Gar	Ranch	
	Not	262 Country	1.00	1/17/2018	$145,000	2000	1,860	$77.96	3/2	2-Gar	Ranch	
	Not	35 April	1.15	8/16/2016	$185,000	2016	1,980	$93.43	3/2	2-Gar	Ranch	

Adjoining Sales Adjusted

Parcel	Solar	Address	Time	Site	YB	GLA	Park	Other	Total	% Diff	Distance
3	Adjoins	491 Dusty							$176,000		480
	Not	820 Lake Trail	-$8,324	$12,000	-$3,360	-$4,890			$163,426	7%	
	Not	262 Country	-$5,450	$12,000	$6,525	-$3,680			$154,396	12%	
	Not	35 April	$1,138	$12,000	-$6,475	-$13,380			$178,283	-1%	
									Average	6%	

The best matched pair is 35 April Loop, which required the least adjustment and indicates a -1% increase in value due to the solar farm adjacency.

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
12	Adjoins	57 Cooper	1.20	2/26/2019	$163,000	2011	1,586	$102.77	3/2	2-Gar	1.5 Story	Pool
	Not	191 Amelia	1.00	8/3/2018	$132,000	2005	1,534	$86.05	3/2	Drive	Ranch	
	Not	75 April	0.85	3/17/2017	$134,000	2012	1,588	$84.38	3/2	2-Crprt	Ranch	
	Not	345 Woodland	1.15	12/29/2016	$131,000	2002	1,410	$92.91	3/2	1-Gar	Ranch	

Adjoining Sales Adjusted

Parcel	Solar	Address	Sales Price	Time	Site	YB	GLA	Park	Other	Total	% Diff	Distance
12	Adjoins	57 Cooper	$163,000							$163,000		685
	Not	191 Amelia	$132,000	$2,303		$3,960	$2,685	$10,000	$5,000	$155,947	4%	
	Not	75 April	$134,000	$8,029	$4,000	-$670	-$135	$5,000	$5,000	$155,224	5%	
	Not	345 Woodland	$131,000	$8,710		$5,895	$9,811		$5,000	$160,416	2%	
										Average	4%	

The best matched pair is 191 Amelia, which was most similar in time frame of sale and indicates a +4% increase in value due to the solar farm adjacency.

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
15	Adjoins	297 Country	1.00	9/30/2016	$150,000	2002	1,596	$93.98	3/2	4-Gar	Ranch	
	Not	185 Dusty	1.85	8/17/2015	$126,040	2009	1,463	$86.15	3/2	2-Gar	Ranch	
	Not	53 Glen	1.13	3/9/2017	$126,000	1999	1,475	$85.42	3/2	2-Gar	Ranch	Brick

Adjoining Sales Adjusted

Parcel	Solar	Address	Sales Price	Time	Site	YB	GLA	Park	Other	Total	% Diff	Distance
15	Adjoins	297 Country	$150,000							$150,000		650
	Not	185 Dusty	$126,040	$4,355		-$4,411	$9,167	$10,000		$145,150	3%	
	Not	53 Glen	$126,000	-$1,699		$1,890	$8,269	$10,000		$144,460	4%	
										Average	3%	

The best matched pair is 53 Glen, which was most similar in time frame of sale and required less adjustment. It indicates a +4% increase in value due to the solar farm adjacency.

The average indicated impact from these three sets of matched pairs is +4%, which suggests a mild positive relationship due to adjacency to the solar farm. The landscaping buffer for this project is mostly natural tree growth that was retained as part of the development but much of the trees separating the panels from homes are actually on the lots for the homes themselves. I therefore consider the landscaping buffer to be thin to moderate for these adjoining homes.

I have also looked at several lot sales in this subdivision as shown below.

These are all lots within the same community and the highest prices paid are for lots one parcel off from the existing solar farm. These prices are fairly inconsistent, though they do suggest about a $3,000 loss in the lots adjoining the solar farm. This is an atypical finding and additional details suggest there is more going on in these sales than the data crunching shows. First of all Parcel 4 was purchased by the owner of the adjoining home and therefore an atypical buyer seeking to expand a lot and the site is not being purchased for home development. Moreover, using the SiteToDoBusiness demographic tools, I found that the 1-mile radius around this development is expecting a total population increase over the next 5 years of 3 people. This lack of growing demand for lots is largely explained in that context. Furthermore, the fact that finished home sales as shown above are showing no sign of a negative impact on property value makes this data unreliable and inconsistent with the data shown in sales to an end user. I therefore place little weight on this outlier data.

Parcel	Solar	Address	Acres	Date Sold	Sales Price	4/18/2019 Adj for Time	$/AC	4/18/2019 Adj for Time
4	Adjoins	Shelter	2.05	10/25/2017	$16,000	$16,728	$7,805	$8,160
10	Adjoins	Carter	1.70	8/2/2018	$14,000	$14,306	$8,235	$8,415
11	Adjoins	Cooper	1.28	9/17/2018	$12,000	$12,215	$9,375	$9,543
	Not	75 Dusty	1.67	4/18/2019	$20,000	$20,000	$11,976	$11,976
	Not	Lake Trl	1.47	11/7/2018	$13,000	$13,177	$8,844	$8,964
	Not	Lake Trl	1.67	4/18/2019	$20,000	$20,000	$11,976	$11,976

	Adjoins	Per Acre	Not Adjoins	Per Acre	% DIF/Lot	% DIF/AC
Average	$14,416	$8,706	$17,726	$10,972	19%	21%
Median	$14,306	$8,415	$20,000	$11,976	28%	30%
High	$16,728	$9,543	$20,000	$11,976	16%	20%
Low	$12,215	$8,160	$13,177	$8,964	7%	9%

3. Matched Pair – Leonard Road Solar Farm, Hughesville, MD



This 5 MW solar farm is located on 47 acres and mostly adjoins agricultural and residential uses to the west, south and east as shown above. The property also adjoins retail uses and a church. I looked at a 2016 sale of an adjoining home with a positive impact on value adjoining the solar farm of 2.90%. This is within typical market friction and supports an indication of no impact on property value.

I have shown this data below. The landscaping buffer is considered heavy.

Leonardtown Road Solar Farm, Hughesville, MD

Nearby Residential Sale After Solar Farm Construction

Address	Solar Farm	Acres	Date Sold	Sales Price*	Built	GBA	$/GBA	Style	BR/BA	Bsmt	Park	Upgrades	Other
14595 Box Elder Ct	Adjoins	3.00	2/12/2016	$291,000	1991	2,174	$133.85	Colonial	5/2.5	No	2 Car Att	N/A	Deck
15313 Bassford Rd	Not	3.32	7/20/2016	$329,800	1990	2,520	$130.87	Colonial	3/2.5	Finished	2 Car Att	Custom	Scr Por/Patio

*$9,000 concession deducted from sale price for Box Elder and $10,200 deducted from Bassford

Adjoining Sales Adjusted			Adjustments					
Address	Date Sold	Sales Price	Time	GLA	Bsmt	Upgrades	Other	Total
14595 Box Elder Ct	2/12/2016	$291,000						$291,000
15313 Bassford Rd	7/20/2016	$329,800	-$3,400	-$13,840	-$10,000	-$15,000	-$5,000	$282,560

Difference Attributable to Location $8,440
2.90%

This is within typical market friction and supports an indication of no impact on property value.

4. Matched Pair – Gastonia SC Solar, Gastonia, NC





This 5 MW project is located on the south side of Neal Hawkins Road just outside of Gastonia. The property identified above as Parcel 4 was listed for sale while this solar farm project was going

through the approval process. The property was put under contract during the permitting process with the permit being approved while the due diligence period was still ongoing. After the permit was approved the property closed with no concerns from the buyer. I spoke with Jennifer Bouvier, the broker listing the property and she indicated that the solar farm had no impact at all on the sales price. She considered some nearby sales to set the price and the closing price was very similar to the asking price within the typical range for the market. The buyer was aware that the solar farm was coming and they had no concerns.

This two-story brick dwelling was sold on March 20, 2017 for $270,000 for a 3,437 square foot dwelling built in 1934 in average condition on 1.42 acres. The property has four bedrooms and two bathrooms. The landscaping screen is light for this adjoining home due to it being a new planted landscaping buffer.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	609 Neal Hawkins	1.42	3/20/2017	$270,000	1934	3,427	$78.79	4/2	Open	2-Brick	
Not	1418 N Modena	4.81	4/17/2018	$225,000	1930	2,906	$77.43	3/3	2-Crprt	2-Brick	
Not	363 Dallas Bess	2.90	11/29/2018	$265,500	1968	2,964	$89.57	3/3	Open	FinBsmt	
Not	1612 Dallas Chry	2.74	9/17/2018	$245,000	1951	3,443	$71.16	3/2	Open	2-Brick	Unfin bath

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
609 Neal Hawkins								$270,000			225
1418 N Modena	$7,319		$2,700	$32,271		-$10,000		$257,290	5%		
363 Dallas Bess	$746		-$27,081	$33,179	-$10,000		$53,100	$262,456	3%		
1612 Dallas Chry	$4,110		-$12,495	-$911			$10,000	$235,704	13%		
										7%	

I also considered the newer adjoining home identified as Parcel 5 that sold later in 2017 and it likewise shows no negative impact on property value. This is also considered a light landscaping buffer.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style
Adjoins	611 Neal Hawkins	0.78	7/6/2017	$288,000	1991	2,256	$127.66	5/3	2-Gar	1.5 Brick
Not	1211 Still Frst	0.51	7/30/2018	$280,000	1989	2,249	$124.50	3/3	2-Gar	Br Rnch
Not	2867 Colony Wds	0.52	8/14/2018	$242,000	1990	2,006	$120.64	3/3	2-Gar	Br Rnch
Not	1010 Strawberry	1.00	10/4/2018	$315,000	2002	2,330	$135.19	3/2.5	2-Gar	1.5 Brick

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
611 Neal Hawkins								$288,000			145
1211 Still Frst	$1,341		$2,800	$697				$284,838	1%		
2867 Colony Wds	$7,714		$1,210	$24,128				$275,052	4%		
1010 Strawberry	-$4,555		-$17,325	-$8,003	$5,000			$290,116	-1%		
										2%	

5. Matched Pair – Summit/Ranchlands Solar, Moyock, NC





This project is located at 1374 Caritoke Highway, Moyock, NC. This is an 80 MW facility on a parent tract of 2,034 acres. Parcels Number 48 and 53 as shown in the map above were sold in 2016. The project was under construction during the time period of the first of the matched pair sales and the permit was approved well prior to that in 2015.

I looked at multiple sales of adjoining and nearby homes and compared each to multiple comparables to show a range of impacts from -10% up to +11% with an average of +2% and a median of +3%. These ranges are well within typical real estate variation and supports an indication of no impact on property value.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
48	Adjoins	129 Pinto	4.29	4/15/2016	$170,000	1985	1,559	$109.04	3/2	Drive	MFG		1,060
	Not	102 Timber	1.30	4/1/2016	$175,500	2009	1,352	$129.81	3/2	Drive	MFG		
	Not	120 Ranchland	0.99	10/1/2014	$170,000	2002	1,501	$113.26	3/2	Drive	MFG		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	129 Pinto								$170,000		-3%
Not	102 Timber	$276	$10,000	-$29,484	$18,809				$175,101	-3%	
Not	120 Ranchland	$10,735	$10,000	-$20,230	$4,598				$175,103	-3%	

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	105 Pinto	4.99	12/16/2016	$206,000	1978	1,484	$138.81	3/2	Det G	Ranch	
Not	111 Spur	1.15	2/1/2016	$193,000	1985	2,013	$95.88	4/2	Gar	Ranch	
Not	103 Marshall	1.07	3/29/2017	$196,000	2003	1,620	$120.99	3/2	Drive	Ranch	
Not	127 Ranchland	0.00	6/9/2015	$219,900	1988	1,910	$115.13	3/2	Gar/3Det	Ranch	

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
105 Pinto								$206,000			980
111 Spur	$6,747	$10,000	-$6,755	-$25,359				$177,633	14%		
103 Marshall	-$2,212	$10,000	-$24,500	-$8,227		$5,000		$176,212	14%		
127 Ranchland	$13,399	$10,000	-$10,995	-$24,523		-$10,000		$197,781	4%		
										11%	

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
15	Adjoins	318 Green View	0.44	9/15/2019	$357,000	2005	3,460	$103.18	4/4	2-Car	1.5 Brick		570
	Not	195 St Andrews	0.55	6/17/2018	$314,000	2002	3,561	$88.18	5/3	2-Car	2.0 Brick		
	Not	336 Green View	0.64	1/13/2019	$365,000	2006	3,790	$96.31	6/4	3-Car	2.0 Brick		
	Not	275 Green View	0.36	8/15/2019	$312,000	2003	3,100	$100.65	5/3	2-Car	2.0 Brick		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	318 Green View								$357,000		4%
Not	195 St Andrews	$12,040		$4,710	-$7,125	$10,000			$333,625	7%	
Not	336 Green View	$7,536		-$1,825	-$25,425			-$5,000	$340,286	5%	
Not	275 Green View	$815		$3,120	$28,986	$10,000			$354,921	1%	

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
29	Adjoins	164 Ranchland	1.01	4/30/2019	$169,000	1999	2,052	$82.36	4/2	Gar	MFG		440
	Not	150 Pinto	0.94	3/27/2018	$168,000	2017	1,920	$87.50	4/2	Drive	MFG		
	Not	105 Longhorn	1.90	10/10/2017	$184,500	2002	1,944	$94.91	3/2	Drive	MFG		
	Not	112 Pinto	1.00	7/27/2018	$180,000	2002	1,836	$98.04	3/2	Drive	MFG	Fenced	

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	164 Ranchland								$169,000		-10%
Not	150 Pinto	$5,649		-$21,168	$8,085			$5,000	$165,566	2%	
Not	105 Longhorn	$8,816	-$10,000	-$3,875	$7,175			$5,000	$191,616	-13%	
Not	112 Pinto	$4,202		-$3,780	$14,824			$5,000	$200,245	-18%	

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	358 Oxford	10.03	9/16/2019	$478,000	2008	2,726	$175.35	3/3	2 Gar	Ranch		635
	Not	276 Summit	10.01	12/20/2017	$355,000	2006	1,985	$178.84	3/2	2 Gar	Ranch		
	Not	176 Providence	6.19	5/6/2019	$425,000	1990	2,549	$166.73	3/3	4 Gar	Ranch	Brick	
	Not	1601 B Caratoke	12.20	9/26/2019	$440,000	2016	3,100	$141.94	4/3.5	5 Gar	Ranch	Pool	

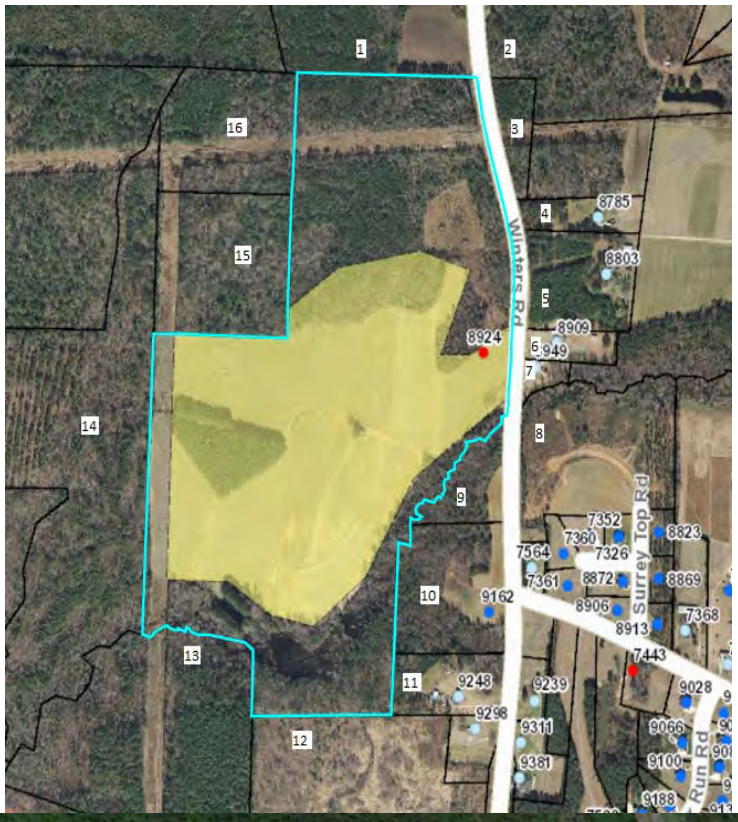
Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	358 Oxford								$478,000		5%
Not	276 Summit	$18,996		$3,550	$106,017	$10,000			$493,564	-3%	
Not	176 Providence	$4,763		$38,250	$23,609		-$10,000	-$25,000	$456,623	4%	
Not	1601 B Caratoke	-$371	$50,000	-$17,600	-$42,467	-$5,000	-$10,000		$414,562	13%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
	Nearby	343 Oxford	10.01	3/9/2017	$490,000	2016	3,753	$130.56	3/3	2 Gar	1.5 Story	Pool	970
	Not	287 Oxford	10.01	9/4/2017	$600,000	2013	4,341	$138.22	5/4.5	8-Gar	1.5 Story	Pool	
	Not	301 Oxford	10.00	4/23/2018	$434,000	2013	3,393	$127.91	5/3	2 Gar	1.5 Story		
	Not	218 Oxford	10.01	4/4/2017	$525,000	2006	4,215	$124.56	4/3	4 Gar	1.5 Story	VG Barn	

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	343 Oxford								$490,000		3%
Not	287 Oxford	-$9,051		$9,000	-$65,017	-$15,000	-$25,000		$494,932	-1%	
Not	301 Oxford	-$14,995	-$10,000	$6,510	$36,838				$452,353	8%	
Not	218 Oxford	-$1,150		$26,250	-$46,036		-$10,000	-$10,000	$484,064	1%	

6. Matched Pair – Tracy Solar, Bailey, NC





This project is located in rural Nash County on Winters Road with a 5 MW facility that was built in 2016 on 50 acres. A local builder acquired parcels 9 and 10 following construction as shown below

at rates comparable to other tracts in the area. They then built a custom home for an owner and sold that at a price similar to other nearby homes as shown in the matched pair data below. The retained woods provide a heavy landscaped buffer for this homesite.

Adjoining Land Sales After Solar Farm Completed

#	Solar Farm	TAX ID	Grantor	Grantee	Address	Acres	Date Sold	Sales Price	$/AC	Other
9 &10	Adjoins	316003 & 316004	Cozart	Kingsmill	9162 Winters	13.22	7/21/2016	$70,000	$5,295	
	Not	6056	Billingsly		427 Young	41	10/21/2016	$164,000	$4,000	
	Not	33211	Fulcher	Weikel	10533 Cone	23.46	7/18/2017	$137,000	$5,840	Doublewide, structures
	Not	106807	Perry	Gardner	Claude Lewis	11.22	8/10/2017	$79,000	$7,041	Gravel drive for sub, cleared
	Not	3437	Vaughan	N/A	11354 Old Lewis Sch	18.73	Listing	$79,900	$4,266	Small cemetery,wooded

Adjoining Sales Adjusted

Time	Acres	Location	Other	Adj $/Ac	% Diff
				$5,295	
$0	$400	$0	$0	$4,400	17%
-$292	$292	$0	-$500	$5,340	-1%
-$352	$0	$0	-$1,000	$5,689	-7%
-$213	$0	$0	$213	$4,266	19%
				Average	7%

Adjoining Residential Sales After Solar Farm Completed

#	Solar Farm	n	Address	Acres	Date Sold	Sales Price	Built	GLA	$/GLA	BR/BA	Style	Other
9 &10	Adjoins	gs	9162 Winters	13.22	1/5/2017	$255,000	2016	1,616	$157.80	3/2	Ranch	1296 sf wrkshp
	Not	w	7352 Red Fox	0.93	6/30/2016	$176,000	2010	1,529	$115.11	3/2	2-story	

Adjoining Sales Adjusted

Time	Acres	YB	GLA	Style	Other	Total	% Diff
						$255,000	
$0	$44,000	$7,392	$5,007	$5,000	$15,000	$252,399	1%

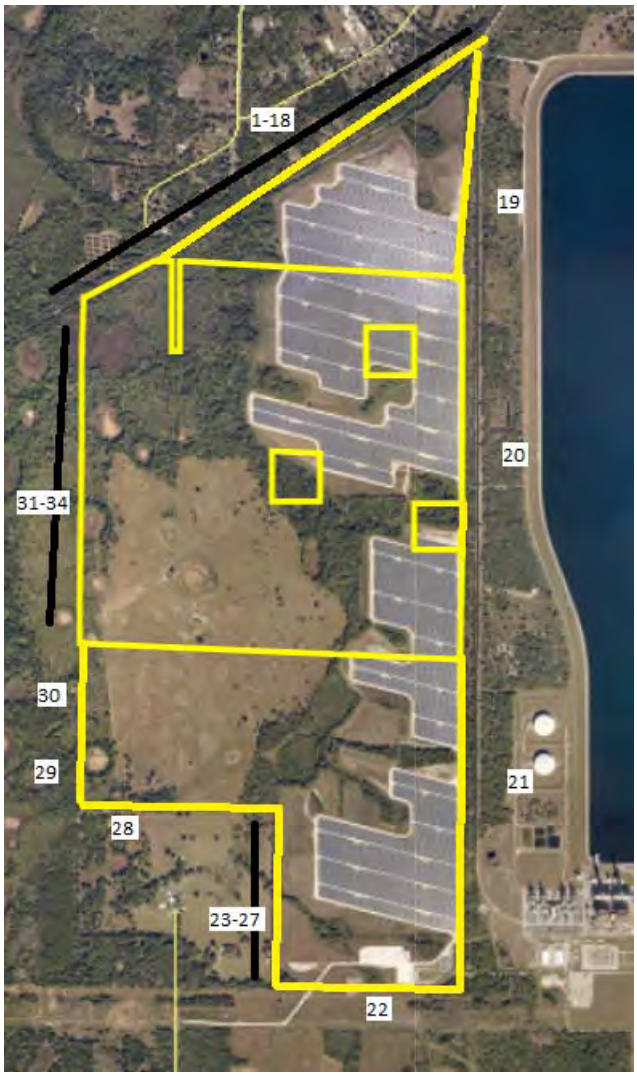
The comparables for the land show either a significant positive relationship or a mild negative relationship to having and adjoining solar farm, but when averaged together they show no negative impact. The wild divergence is due to the difficulty in comping out this tract of land and the wide variety of comparables used. The two comparables that show mild negative influences include a property that was partly developed as a residential subdivision and the other included a doublewide with some value and accessory agricultural structures. The tax assessed value on the improvements were valued at $60,000. So both of those comparables have some limitations for comparison. The two that show significant enhancement due to adjacency includes a property with a cemetery located in the middle and the other is a tract almost twice as large. Still that larger tract after adjustment provides the best matched pair as it required the least adjustment. I therefore conclude that there is no negative impact due to adjacency to the solar farm shown by this matched pair.

The dwelling that was built on the site was a build-to-suit and was compared to a nearby homesale of a property on a smaller parcel of land. I adjusted for that differenced based on a $25,000 value for a 1-acre home site versus the $70,000 purchase price of the larger subject tract. The other adjustments are typical and show no impact due to the adjacency to the solar farm.

The closest solar panel to the home is 780 feet away.

I note that the representative for Kingsmill Homes indicated that the solar farm was never a concern in purchasing the land or selling the home. He also indicated that they had built a number of nearby homes across the street and it had never come up as an issue.

7. Matched Pair – Manatee Solar Farm, Parrish, FL



This solar farm is located near Seminole Trail, Parrish, FL. The solar farm has a 74.50 MW output and is located on a 1,180.38-acre tract and was built in 2016. The tract is owned by Florida Power & Light Company.

I have considered the recent sale of 13670 Highland Road, Wimauma, Florida. This one-story, concrete block home is located just north of the solar farm and separated from the solar farm by a railroad corridor. This home is a 3 BR, 3 BA 1,512 s.f. home with a carport and workshop. The property includes new custom cabinets, granite counter tops, brand-new stainless-steel appliances, updated bathrooms and new carpet in the bedrooms. The home is sitting on 5 acres. The home was built in 1997.

I have compared this sale to several nearby homesales as part of this matched pair analysis as shown below. The landscaping separating the home from the solar farm is considered heavy.

Solar	TAX ID/Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Note
Adjoins	13670 Highland	5.00	8/21/2017	$255,000	1997	1,512	$168.65	3/3	Carport/Wrkshp	Ranch	Renov.
Not	2901 Arrowsmith	1.91	1/31/2018	$225,000	1979	1,636	$137.53	3/2	2 Garage/Wrkshp	Ranch	
Not	602 Butch Cassidy	1.00	5/5/2017	$220,000	2001	1,560	$141.03	3/2	N/A	Ranch	Renov.
Not	2908 Wild West	1.23	7/12/2017	$254,000	2003	1,554	$163.45	3/2	2 Garage/Wrkshp	Ranch	Renov.
Not	13851 Highland	5.00	9/13/2017	$240,000	1978	1,636	$146.70	4/2	3 Garage	Ranch	Renov.

		Adjoining Sales Adjusted								
Solar	**TAX ID/Address**	**Time**	**Acres**	**YB**	**GLA**	**BR/BA**	**Park**	**Note**	**Total**	**% Diff**
Adjoins	13670 Highland								$255,000	
Not	2901 Arrowsmith	$2,250	$10,000	$28,350	-$8,527	$5,000	-$10,000	$10,000	$262,073	-3%
Not	602 Butch Cassidy	-$2,200	$10,000	-$6,160	-$3,385	$5,000	$2,000		$225,255	12%
Not	2908 Wild West	$0	$10,000	-$10,668	-$3,432	$5,000	-$10,000		$244,900	4%
Not	13851 Highland	$0	$0	$31,920	-$9,095	$3,000	-$10,000		$255,825	0%
									Average	3%

The sales prices of the comparables before adjustments range from $220,000 to $254,000. After adjustments they range from $225,255 to $262,073. The comparables range from no impact to a strong positive impact. The comparables showing -3% and +4% impact on value is considered within a typical range of value and therefore not indicative of any impact on property value.

This set of matched pair data falls in line with the data seen in other states. The closest solar panel to the home at 13670 Highland is 1,180 feet. There is a wooded buffer between these two properties.

I have included a map showing the relative location of these properties below.



8. Matched Pair – McBride Place Solar Farm, Midland, NC



This project is located on Mount Pleasant Road, Midland, North Carolina. The property is on 627 acres on an assemblage of 974.59 acres. The solar farm was approved in early 2017 for a 74.9 MW facility.

I have considered the sale of 4380 Joyner Road which adjoins the proposed solar farm near the northwest section. This property was appraised in April of 2017 for a value of $317,000 with no consideration of any impact due to the solar farm in that figure. The property sold in November

2018 for $325,000 with the buyer fully aware of the proposed solar farm. The landscaping buffer relative to Joyner Road, Hayden Way, Chanel Court and Kristi Lane is considered medium, while the landscaping for the home at the north end of Chanel Court is considered very light.

I have considered the following matched pairs to the subject property.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	4380 Joyner	12.00	11/22/2017	$325,000	1979	1,598	$203.38	3/2	2xGar	Ranch	Outbldg
Not	3870 Elkwood	5.50	8/24/2016	$250,000	1986	1,551	$161.19	3/2.5	Det 2xGar	Craft	
Not	8121 Lower Rocky	18.00	2/8/2017	$355,000	1977	1,274	$278.65	2/2	2xCarprt	Ranch	Eq. Fac.
Not	13531 Cabarrus	7.89	5/20/2016	$267,750	1981	2,300	$116.41	3/2	2xGar	Ranch	

Adjoining Sales Adjusted

Time	Acres	YB	Condition	GLA	BR/BA	Park	Other	Total	% Diff
								$325,000	
$7,500	$52,000	-$12,250	$10,000	$2,273	-$2,000	$2,500	$7,500	$317,523	2%
$7,100	-$48,000	$4,970		$23,156	$0	$3,000	-$15,000	$330,226	-2%
$8,033	$33,000	-$3,749	$20,000	-$35,832	$0	$0	$7,500	$296,702	9%
								Average	3%

The home at 4380 Joyner Road is 275 feet from the closest solar panel.

I also considered the recent sale of a lot at 5800 Kristi Lane that is on the east side of the proposed solar farm. This 4.22-acre lot sold in December 2017 for $94,000. A home was built on this lot in 2019 with the closest point from home to panel at 689 feet. The home site is heavily wooded and their remains a wooded buffer between the solar panels and the home. I spoke with the broker, Margaret Dabbs, who indicated that the solar farm was considered a positive by both buyer and seller as it ensures no subdivision will be happening in that area. Buyers in this market are looking for privacy and seclusion.

The breakdown of recent lot sales on Kristi are shown below with the lowest price paid for the lot with no solar farm exposure, though that lot has exposure to Mt Pleasant Road South. Still the older lot sales have exposure to the solar farm and sold for higher prices than the front lot and adjusting for time would only increase that difference.

Adjoining Lot Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	$/AC	$/Lot
	Adjoins	5811 Kristi	3.74	5/1/2018	$100,000	$26,738	$100,000
	Adjoins	5800 Kristi	4.22	12/1/2017	$94,000	$22,275	$94,000
	Not	5822 Kristi	3.43	2/24/2020	$90,000	$26,239	$90,000

The lot at 5811 Kristi Lane sold in May 2018 for $100,000 for a 3.74-acre lot. The home that was built later in 2018 is 505 feet to the closest solar panel. This home then sold to a homeowner for $530,000 in April 2020. I have compared this home sale to other properties in the area as shown below.

Adjoining Residential Sales After Solar Farm Built

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	5811 Kristi	3.74	3/31/2020	$530,000	2018	3,858	$137.38	5/3.5	2 Gar	2-story	Cement Ext
Not	3915 Tania	1.68	12/9/2019	$495,000	2007	3,919	$126.31	3/3.5	2 Gar	2-story	3Det Gar
Not	6782 Manatee	1.33	3/8/2020	$460,000	1998	3,776	$121.82	4/2/2h	2 Gar	2-story	Water
Not	314 Old Hickory	1.24	9/20/2019	$492,500	2017	3,903	$126.18	6/4.5	2 Gar	2-story	

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	5811 Kristi								$530,000		5%
Not	3915 Tania	$6,285		$27,225	-$3,852		-$20,000		$504,657	5%	
Not	6782 Manatee	$1,189		$46,000	$4,995	$5,000			$517,183	2%	
Not	314 Old Hickory	$10,680		$2,463	-$2,839	-$10,000			$492,803	7%	

After adjusting the comparables, I found that the average adjusted value shows a slight increase in value for the subject property adjoining a solar farm. As in the other cases, this is a mild positive impact on value but within the typical range of real estate transactions.

I also looked at 5833 Kristi Lane that sold on 9/14/2020 for $625,000. This home is 470 feet from the closest panel.

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Nearby	5833 Kristi	4.05	9/14/2020	$625,000	2008	4,373	$142.92	5/4	3-Car	2-Brick	
Not	4055 Dakeita	4.90	12/30/2020	$629,000	2005	4,427	$142.08	4/4	4-Car	2-Brick	4DetGar/Stable
Not	9615 Bales	2.16	6/30/2020	$620,000	2007	4,139	$149.79	4/5	3-Car	2-Stone	2DetGar
Not	9522 Bales	1.47	6/18/2020	$600,000	2007	4,014	$149.48	4/4.5	3-Car	2-Stone	

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
5833 Kristi								$625,000			470
4055 Dakeita	-$9,220		$5,661	-$6,138		-$25,000		$594,303	5%		
9615 Bales	$6,455		$1,860	$28,042	-$10,000	-$15,000		$631,356	-1%		
9522 Bales	$7,233		$1,800	$42,930	-$5,000			$646,963	-4%		
										0%	

The average difference is 0% impact and the differences are all within a close range with this set of comparables and supports a finding of no impact on property value.

I have also looked at 4504 Chanel Court. This home sold on January 1, 2020 for $393,500 for this 3,010 square foot home built in 2004 with 3 bedrooms, 3.5 bathrooms, and a 3-car garage. This home includes a full partially finished basement that significantly complicates comparing this to other sales. This home previously sold on January 23, 2017 for $399,000. This was during the time that the solar farm was a known factor as the solar farm was approved in early 2017 and public discussions had already commenced. I spoke with Rachelle Killman with Real Estate Realty, LLC the buyer's agent for this transaction and she indicated that the solar farm was not a factor or consideration for the buyer. She noted that you could see the panels sort of through the trees, but it wasn't a concern for the buyer. She was not familiar with the earlier 2017 sale, but indicated that it was likely too high. This again goes back to the partially finished basement issue. The basement has a fireplace, and an installed 3/4 bathroom but otherwise bare studs and concrete floors with different buyers assigning varying value to that partly finished space. I also reached out to Don Gomez with Don Anthony Realty, LLC as he was the listing agent.

I also looked at the recent sale of 4599 Chanel Court. This home is within 310 feet of solar panels but notably does not have a good landscaping screen in place as shown in the photo below. The plantings appear to be less than 3-feet in height and only a narrow, limited screen of existing hardwoods were kept. The photograph is from the listing.

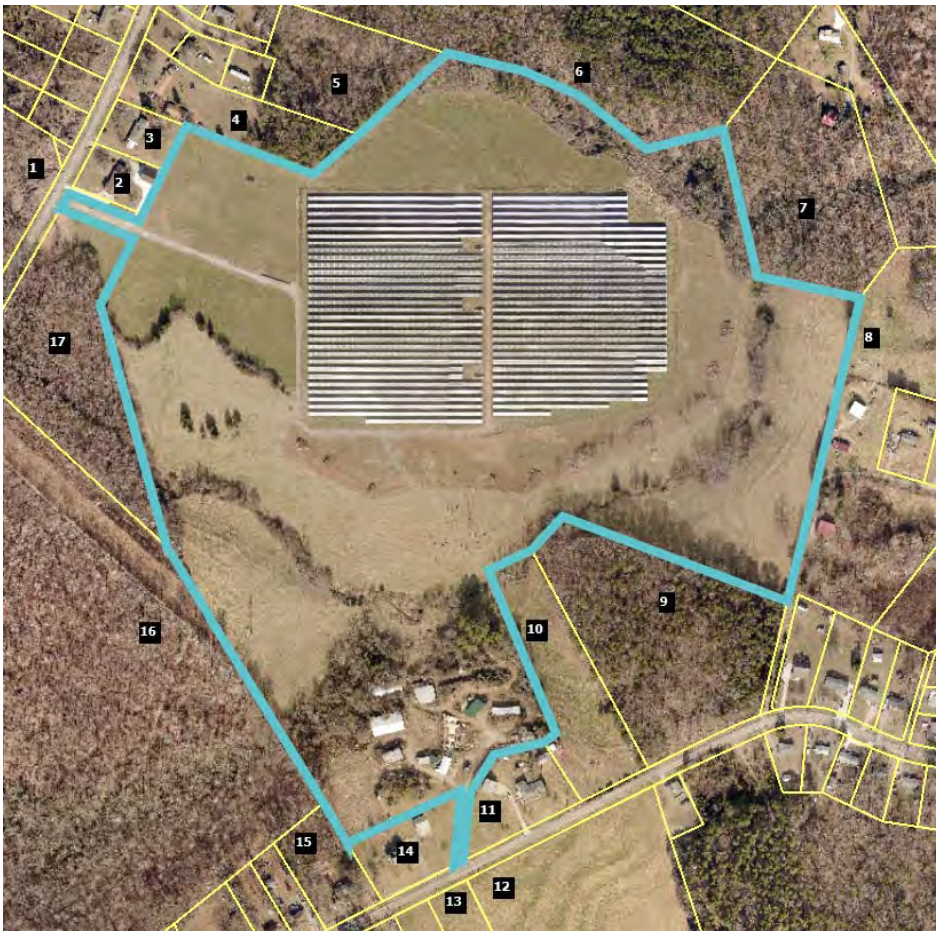
According to Scott David with Better Homes and Gardens Paracle Realty, this property was under contract for $550,000 contingent on the buyer being able to sell their former home. The former home was apparently overpriced and did not sell and the contract stretched out over 2.5 months.

The seller was in a bind as they had a home they were trying to buy contingent on this closing and were about to lose that opportunity. A cash buyer offered them a quick close at $500,000 and the seller accepted that offer in order to not lose the home they were trying to buy. According to Mr. David, the original contracted buyer and the actual cash buyer never considered the solar farm as a negative. In fact Mr. David noted that the actual buyer saw it as a great opportunity to purchase a home where a new subdivision could not be built behind his house. I therefore conclude that this property supports a finding of no impact on adjoining property, even where the landscaping screen still requires time to grow in for a year-round screen.

I also considered a sale/resale analysis on this property. This same home sold on September 15, 2015 for $462,000. Adjusting this upward by 5% per year for the five years between these sales dates suggests a value of $577,500. Comparing that to the $550,000 contract that suggests a 5% downward impact, which is within a typical market variation. Given that the broker noted no negative impact from the solar farm and the analysis above, I conclude this sale supports a finding of no impact on value.



9. Matched Pair – Mariposa Solar, Gaston County, NC



This project is a 5 MW facility located on 35.80 acres out of a parent tract of 87.61 acres at 517 Blacksnake Road, Stanley that was built in 2016.

I have considered a number of recent sales around this facility as shown below.

The first is identified in the map above as Parcel 1, which is 215 Mariposa Road. This is an older dwelling on large acreage with only one bathroom. I've compared it to similar nearby homes as shown below. The landscaping buffer for this home is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style
Adjoins	215 Mariposa	17.74	12/12/2017	$249,000	1958	1,551	$160.54	3/1	Garage	Br/Rnch
Not	249 Mariposa	0.48	3/1/2019	$153,000	1974	1,792	$85.38	4/2	Garage	Br/Rnch
Not	110 Airport	0.83	5/10/2016	$166,000	1962	2,165	$76.67	3/2	Crprt	Br/Rnch
Not	1249 Blacksnake	5.01	9/20/2018	$242,500	1980	2,156	$112.48	3/2	Drive	1.5
Not	1201 Abernathy	27.00	5/3/2018	$390,000	1970	2,190	$178.08	3/2	Crprt	Br/Rnch

Adjoining Residential Sales After Solar Farm Approved — Adjoining Sales Adjusted

Solar	Address	Acres	Date Sold	Sales Price	Time	YB	Acres	GLA	BR/BA	Park	Other	Total	% Diff
Adjoins	215 Mariposa	17.74	12/12/2017	$249,000								$249,000	
Not	249 Mariposa	0.48	3/1/2019	$153,000	-$5,583	-$17,136	$129,450	-$20,576	-$10,000			$229,154	8%
Not	110 Airport	0.83	5/10/2016	$166,000	$7,927	-$4,648	$126,825	-$47,078	-$10,000			$239,026	4%
Not	1249 Blacksnake	5.01	9/20/2018	$242,500	-$5,621	-$37,345	$95,475	-$68,048	-$10,000	$5,000		$221,961	11%
Not	1201 Abernathy	27.00	5/3/2018	$390,000	-$4,552	-$32,760	-$69,450	-$60,705	-$10,000			$212,533	15%
												Average	9%

The average difference after adjusting for all factors is +9% on average, which suggests an enhancement due to the solar farm across the street. Given the large adjustments for acreage and size, I will focus on the low end of the adjusted range at 4%, which is within the typical deviation and therefore suggests no impact on value.

I have also considered Parcel 4 that sold after the solar farm was approved but before it had been constructed in 2016. The landscaping buffer for this parcel is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	242 Mariposa	2.91	9/21/2015	$180,000	1962	1,880	$95.74	3/2	Carport	Br/Rnch	Det Wrkshop
Not	249 Mariposa	0.48	3/1/2019	$153,000	1974	1,792	$85.38	4/2	Garage	Br/Rnch	
Not	110 Airport	0.83	5/10/2016	$166,000	1962	2,165	$76.67	3/2	Crprt	Br/Rnch	
Not	1249 Blacksnake	5.01	9/20/2018	$242,500	1980	2,156	$112.48	3/2	Drive	1.5	

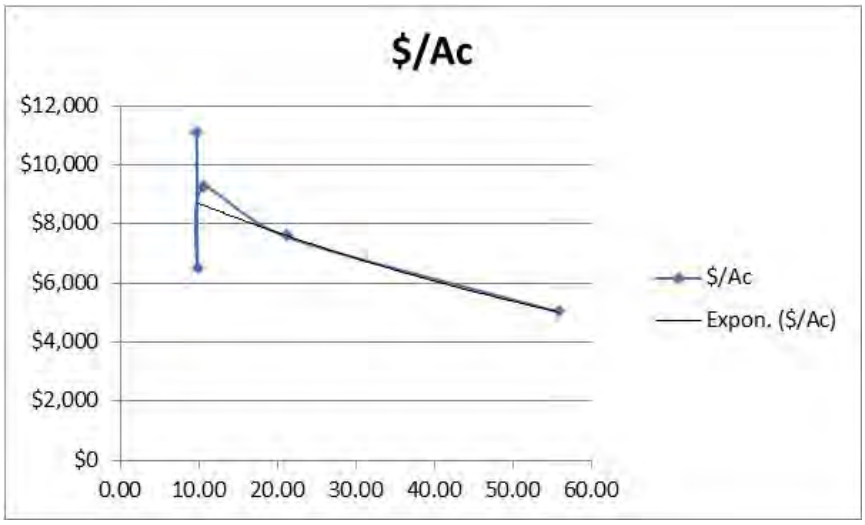
Adjoining Residential Sales After Solar Farm Approved — Adjoining Sales Adjusted

Solar	Address	Acres	Date Sold	Sales Price	Time	YB	Acres	GLA	BR/BA	Park	Other	Total	% Diff
Adjoins	242 Mariposa	2.91	9/21/2015	$180,000								$180,000	
Not	249 Mariposa	0.48	3/1/2019	$153,000	-$15,807	-$12,852	$18,468	$7,513		-$3,000	$25,000	$172,322	4%
Not	110 Airport	0.83	5/10/2016	$166,000	-$3,165	$0	$15,808	-$28,600			$25,000	$175,043	3%
Not	1249 Blacksnake	5.01	9/20/2018	$242,500	-$21,825	-$30,555	-$15,960	-$40,942		$2,000	$25,000	$160,218	11%
												Average	6%

The average difference after adjusting for all factors is +6%, which is again suggests a mild increase in value due to the adjoining solar farm use. The median is a 4% adjustment, which is within a standard deviation and suggests no impact on property value.

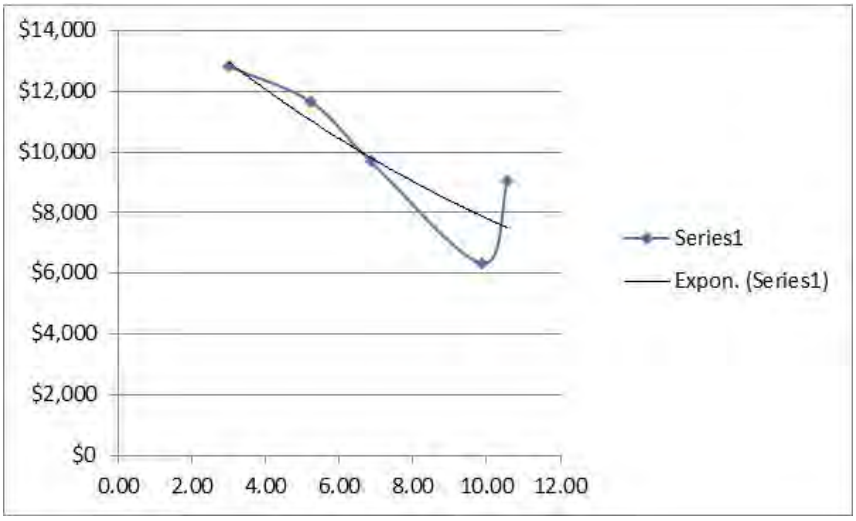
I have also considered the recent sale of Parcel 13 that is located on Blacksnake Road south of the project. I was unable to find good land sales in the same 20-acre range, so I have considered sales of larger and smaller acreage. I adjusted each of those land sales for time. I then applied the price per acre to a trendline to show where the expected price per acre would be for 20 acres. As can be seen in the chart below, this lines up exactly with the purchase of the subject property. I therefore conclude that there is no impact on Parcel 13 due to proximity to the solar farm.

Adjoining Residential Land Sales After Solar Farm Approved						**Adjoining Sales Adjusted**	
Solar	**Tax/Street**	**Acres**	**Date Sold**	**Sales Price**	**$/Ac**	**Time**	**$/Ac**
Adjoins	174339/Blacksnake	21.15	6/29/2018	$160,000	$7,565		$7,565
Not	227852/Abernathy	10.57	5/9/2018	$97,000	$9,177	$38	$9,215
Not	17443/Legion	9.87	9/7/2018	$64,000	$6,484	-$37	$6,447
Not	164243/Alexis	9.75	2/1/2019	$110,000	$11,282	-$201	$11,081
Not	176884/Bowden	55.77	6/13/2018	$280,000	$5,021	$7	$5,027



Finally, I have considered the recent sale of Parcel 17 that sold as vacant land. I was unable to find good land sales in the same 7-acre range, so I have considered sales of larger and smaller acreage. I adjusted each of those land sales for time. I then applied the price per acre to a trendline to show where the expected price per acre would be for 7 acres. As can be seen in the chart below, this lines up with the trendline running right through the purchase price for the subject property. I therefore conclude that there is no impact on Parcel 13 due to proximity to the solar farm. I note that this property was improved with a 3,196 square foot ranch built in 2018 following the land purchase, which shows that development near the solar farm was unimpeded.

Adjoining Residential Land Sales After Solar Farm Approved						**Adjoining Sales Adjusted**		
Solar	**Tax/Street**	**Acres**	**Date Sold**	**Sales Price**	**$/Ac**	**Time**	**Location**	**$/Ac**
Adjoins	227039/Mariposa	6.86	12/6/2017	$66,500	$9,694			$9,694
Not	227852/Abernathy	10.57	5/9/2018	$97,000	$9,177	-$116		$9,061
Not	17443/Legion	9.87	9/7/2018	$64,000	$6,484	-$147		$6,338
Not	177322/Robinson	5.23	5/12/2017	$66,500	$12,715	$217	-$1,272	$11,661
Not	203386/Carousel	2.99	7/13/2018	$43,500	$14,548	-$262	-$1,455	$12,832



10. Matched Pair – Clarke County Solar, Clarke County, VA



This project is a 20 MW facility located on a 234-acre tract that was built in 2017.

I have considered two recent sales of Parcel 3. The home on this parcel is 1,230 feet from the closest panel as measured in the second map from Google Earth, which shows the solar farm under construction. This home sold in January 2017 for $295,000 and again in August 2019 for $385,000. I show each sale below and compare those to similar home sales in each time frame. The significant increase in price between 2017 and 2019 is due to a major kitchen remodel, new roof, and related upgrades as well as improvement in the market in general. The sale and later resale of the home with updates and improvements speaks to pride of ownership and increasing overall value as properties perceived as diminished are less likely to be renovated and sold for profit.

I note that 102 Tilthammer includes a number of barns that I did not attribute any value in the analysis. The market would typically give some value for those barns but even without that adjustment there is an indication of a positive impact on value due to the solar farm. The landscaping buffer from this home is considered light.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
3	Adjoins	833 Nations Spr	5.13	8/18/2019	$385,000	1979	1,392	$276.58	3/2	Det Gar	Ranch	UnBsmt
	Not	167 Leslie	5.00	8/19/2020	$429,000	1980	1,665	$257.66	3/2	Det2Gar	Ranch	
	Not	2393 Old Chapel	2.47	8/10/2020	$330,000	1974	1,500	$220.00	3/1.5	Det Gar	Ranch	
	Not	102 Tilthammer	6.70	5/7/2019	$372,000	1970	1,548	$240.31	3/1.5	Det Gar	Ranch	UnBsmt

Adjoining Sales Adjusted

Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
							$385,000			1230
-$13,268		-$2,145	-$56,272		-$5,000	$50,000	$402,315	-4%		
-$9,956	$25,000	$8,250	-$19,008	$5,000		$50,000	$389,286	-1%		
$3,229		$16,740	-$29,991	$5,000			$366,978	5%		
									0%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
3	Adjoins	833 Nations Spr	5.13	1/9/2017	$295,000	1979	1,392	$211.93	3/2	Det Gar	Ranch	UnBsmt
	Not	6801 Middle	2.00	12/12/2017	$249,999	1981	1,584	$157.83	3/2	Open	Ranch	
	Not	4174 Rockland	5.06	1/2/2017	$300,000	1990	1,688	$177.73	3/2	2 Gar	2-story	
	Not	400 Sugar Hill	1.00	6/7/2018	$180,000	1975	1,008	$178.57	3/1	Open	Ranch	

Adjoining Sales Adjusted

Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
							$295,000			1230
-$7,100	$25,000	-$2,500	-$24,242		$5,000	$50,000	$296,157	0%		
$177		-$16,500	-$42,085		-$10,000	$50,000	$281,592	5%		
-$7,797		$3,600	$54,857	$10,000	$5,000	$50,000	$295,661	0%		
									1%	

11. Matched Pair – Simon Solar, Social Circle, GA



This 30 MW solar farm is located off Hawkins Academy Road and Social Circle Fairplay Road. I identified three adjoining sales to this tract after development of the solar farm. However, one of those is shown as Parcel 12 in the map above and includes a powerline easement encumbering over a third of the 5 acres and adjoins a large substation as well. It would be difficult to isolate those impacts from any potential solar farm impact and therefore I have excluded that sale. I also excluded the recent sale of Parcel 17, which is a farm with conservation restrictions on it that similarly would require a detailed examination of those conservation restrictions in order to see if there was any impact related to the solar farm. I therefore focused on the recent sale of Parcel 7 and the adjoining parcel to the south of that. They are technically not adjoining due to the access road for the flag-shaped lot to the east. Furthermore, there is an apparent access easement serving the two rear lots that encumber these two parcels which is a further limitation on these sales. This analysis assumes that the access easement does not negatively impact the subject property, though it may.

The landscaping buffer relative to this parcel is considered medium.

Adjoining Land Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	$/AC	Type	Other
7+	Adjoins	4514 Hawkins	36.86	3/31/2016	$180,000	$4,883	Pasture	Esmts
	Not	HD Atha	69.95	12/20/2016	$357,500	$5,111	Wooded	N/A
	Not	Pannell	66.94	11/8/2016	$322,851	$4,823	Mixed	*
	Not	1402 Roy	123.36	9/29/2016	$479,302	$3,885	Mixed	**

* Adjoining 1 acre purchased by same buyer in same deed. Allocation assigned on the County Tax Record.

** Dwelling built in 1996 with a 2016 tax assessed value of $75,800 deducted from sales price to reflect land value

Adjoining Sales Adjusted						Avg
Time	Size	Type	Other	Total/Ac	% Diff	% Diff
				$4,883		
$89	$256			$5,455	-12%	
-$90	$241			$4,974	-2%	
-$60	$389			$4,214	14%	
						0%

The range of impact identified by these matched pairs are -12% to +14%, with an average of 0% impact due to the solar farm. The best matched pair with the least adjustment supports a -2% impact due to the solar farm. I note again that this analysis considers no impact for the existing access easements that meander through this property and it may be having an impact. Still at -2% impact as the best indication for the solar farm, I consider that to be no impact given that market fluctuations support +/- 5%.

12. Matched Pair – Candace Solar, Princeton, NC





This 5 MW solar farm is located at 4839 US 70 Highway just east of Herring Road. This solar farm was completed on October 25, 2016.

I identified three adjoining sales to this tract after development of the solar farm with frontage on US 70. I did not attempt to analyze those sales as they have exposure to an adjacent highway and railroad track. Those homes are therefore problematic for a matched pair analysis unless I have similar homes fronting on a similar corridor.

I did consider a land sale and a home sale on adjoining parcels without those complications.

The lot at 499 Herring Road sold to Paradise Homes of Johnston County of NC, Inc. for $30,000 in May 2017 and a modular home was placed there and sold to Karen and Jason Toole on September 29, 2017. I considered the lot sale first as shown below and then the home sale that followed. The landscaping buffer relative to this parcel is considered medium.

Adjoining Land Sales After Solar Farm Approved							**Adjoining Sales Adjusted**				
Parcel	**Solar**	**Address**	**Acres**	**Date Sold**	**Sales Price**	**Other**	**Time**	**Site**	**Other**	**Total**	**% Diff**
16	Adjoins	499 Herring	2.03	5/1/2017	$30,000					$30,000	
	Not	37 Becky	0.87	7/23/2019	$24,500	Sub/Pwr	-$1,679	$4,900		$27,721	8%
	Not	5858 Bizzell	0.88	8/17/2016	$18,000		$390	$3,600		$21,990	27%
	Not	488 Herring	2.13	12/20/2016	$35,000		$389			$35,389	-18%
										Average	5%

Following the land purchase, the modular home was placed on the site and sold. I have compared this modular home to the following sales to determine if the solar farm had any impact on the purchase price.

Adjoining Residential Sales After Solar Farm Approved

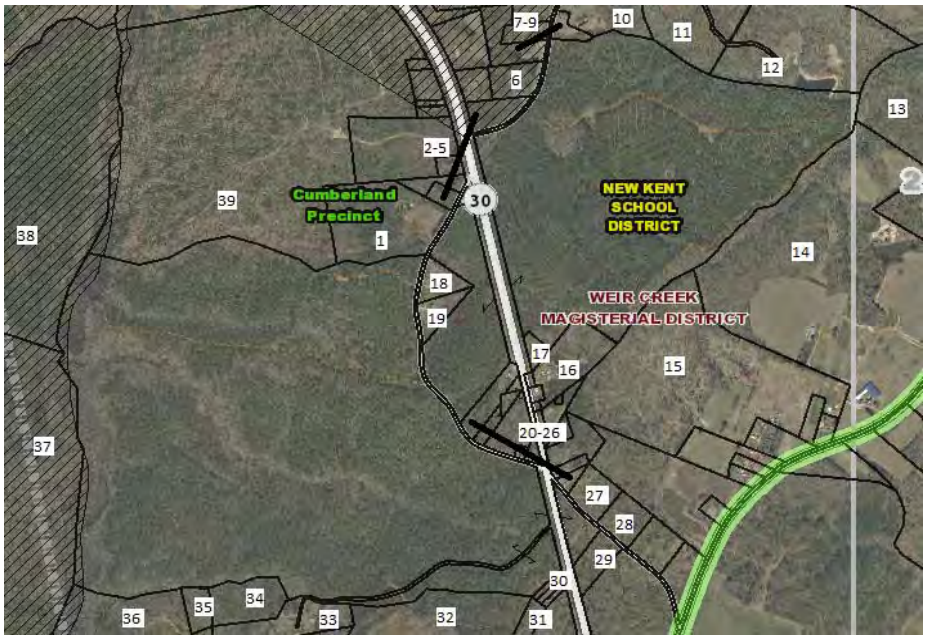
Parcel	**Solar**	**Address**	**Acres**	**Date Sold**	**Sales Price**	**Built**	**GBA**	**$/GBA**	**BR/BA**	**Park**	**Style**	**Other**
16	Adjoins	499 Herring	2.03	9/27/2017	$215,000	2017	2,356	$91.26	4/3	Drive	Modular	
	Not	678 WC	6.32	3/8/2019	$226,000	1995	1,848	$122.29	3/2.5	Det Gar	Mobile	Ag bldgs
	Not	1810 Bay V	8.70	3/26/2018	$170,000	2003	2,356	$72.16	3/2	Drive	Mobile	Ag bldgs
	Not	1795 Bay V	1.78	12/1/2017	$194,000	2017	1,982	$97.88	4/3	Drive	Modular	

Adjoining Residential Sales Af			**Adjoining Sales Adjusted**									**Avg**	
Parcel	**Solar**	**Address**	**Time**	**Site**	**YB**	**GLA**	**BR/BA**	**Park**	**Other**	**Total**	**% Diff**	**% Diff**	**Distance**
16	Adjoins	499 Herring								$215,000			488
	Not	678 WC	-$10,037	-$25,000	$24,860	$37,275	-$5,000	-$7,500	-$20,000	$220,599	-3%		
	Not	1810 Bay V	-$2,579	-$20,000	$11,900	$0				$159,321	26%		
	Not	1795 Bay V	-$1,063		$0	$21,964				$214,902	0%		
												8%	

The best comparable is 1795 Bay Valley as it required the least adjustment and was therefore most similar, which shows a 0% impact. This signifies no impact related to the solar farm.

The range of impact identified by these matched pairs ranges are therefore -3% to +26% with an average of +8% for the home and an average of +4% for the lot, though the best indicator for the lot shows a $5,000 difference in the lot value due to the proximity to the solar farm or a -12% impact.

13. Matched Pair – Walker-Correctional Solar, Barham Road, Barhamsville, VA





This project was built in 2017 and located on 484.65 acres for a 20 MW with the closest home at 110 feet from the closest solar panel with an average distance of 500 feet.

I considered the recent sale identified on the map above as Parcel 19, which is directly across the street and based on the map shown on the following page is 250 feet from the closest panel. A

limited buffering remains along the road with natural growth being encouraged, but currently the panels are visible from the road. Alex Uminski, SRA with MGMiller Valuations in Richmond VA confirmed this sale with the buying and selling broker. The selling broker indicated that the solar farm was not a negative influence on this sale and in fact the buyer noticed the solar farm and then discovered the listing. The privacy being afforded by the solar farm was considered a benefit by the buyer. I used a matched pair analysis with a similar sale nearby as shown below and found no negative impact on the sales price. Property actually closed for more than the asking price. The landscaping buffer is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	5241 Barham	2.65	10/18/2018	$264,000	2007	1,660	$159.04	3/2	Drive	Ranch	Modular
Not	17950 New Kent	5.00	9/5/2018	$290,000	1987	1,756	$165.15	3/2.5	3 Gar	Ranch	
Not	9252 Ordinary	4.00	6/13/2019	$277,000	2001	1,610	$172.05	3/2	1.5-Gar	Ranch	
Not	2416 W Miller	1.04	9/24/2018	$299,000	1999	1,864	$160.41	3/2.5	Gar	Ranch	

Adjoining Sales Adjusted

Solar	Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
Adjoins	5241 Barham								$264,000		250
Not	17950 New Kent		-$8,000	$29,000	-$4,756	-$5,000	-$20,000	-$15,000	$266,244	-1%	
Not	9252 Ordinary	-$8,310	-$8,000	$8,310	$2,581		-$10,000	-$15,000	$246,581	7%	
Not	2416 W Miller		$8,000	$11,960	-$9,817	-$5,000	-$10,000	-$15,000	$279,143	-6%	
								Average Diff		0%	

I also spoke with Patrick W. McCrerey of Virginia Estates who was marketing a property that sold at 5300 Barham Road adjoining the Walker-Correctional Solar Farm. He indicated that this property was unique with a home built in 1882 and heavily renovated and updated on 16.02 acres. The solar farm was through the woods and couldn't be seen by this property and it had no impact on marketing this property. This home sold on April 26, 2017 for $358,000. I did not set up any matched pairs for this property since it is a unique property that any such comparison would be difficult to rely on. The broker's comments do support the assertion that the adjoining solar farm had no impact on value. The home in this case was 510 feet from the closest panel.

14. Matched Pair – Innovative Solar 46, Roslin Farm Rd, Hope Mills, NC



This project was built in 2016 and located on 532 acres for a 78.5 MW solar farm with the closest home at 125 feet from the closest solar panel with an average distance of 423 feet.

I considered the recent sale of a home on Roslin Farm Road just north of Running Fox Road as shown below. This sale supports an indication of no impact on property value. The landscaping buffer is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
Adjoins	6849 Roslin Farm	1.00	2/18/2019	$155,000	1967	1,610	$96.27	3/3	Drive	Ranch	Brick	435
Not	6592 Sim Canady	2.43	9/5/2017	$185,000	1974	2,195	$84.28	3/2	Gar	Ranch	Brick	
Not	1614 Joe Hall	1.63	9/3/2019	$145,000	1974	1,674	$86.62	3/2	Det Gar	Ranch	Brick	
Not	109 Bledsoe	0.68	1/17/2019	$150,000	1973	1,663	$90.20	3/2	Gar	Ranch	Brick	

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	6849 Roslin Farm								$155,000		5%
Not	6592 Sim Canady	$8,278		-$6,475	-$39,444	$10,000	-$5,000		$152,359	2%	
Not	1614 Joe Hall	-$2,407		-$5,075	-$3,881	$10,000	-$2,500		$141,137	9%	
Not	109 Bledsoe	$404	$10,000	-$4,500	-$3,346		-$5,000		$147,558	5%	

15. Matched Pair – Innovative Solar 42, County Line Rd, Fayetteville, NC





This project was built in 2017 and located on 413.99 acres for a 71 MW with the closest home at 135 feet from the closest solar panel with an average distance of 375 feet.

I considered the recent sales identified on the map above as Parcels 2 and 3, which is directly across the street these homes are 330 and 340 feet away. Parcel 2 includes an older home built in 1976, while Parcel 3 is a new home built in 2019. So the presence of the solar farm had no impact on new construction in the area.

The matched pairs for each of these are shown below. The landscaping buffer relative to these parcels is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
Adjoins	2923 County Ln	8.98	2/28/2019	$385,000	1976	2,905	$132.53	3/3	2-Car	Ranch	Brick/Pond	340
Not	1928 Shaw Mill	17.00	7/3/2019	$290,000	1977	3,001	$96.63	4/4	2-Car	Ranch	Brick/Pond/Rental	
Not	2109 John McM.	7.78	4/25/2018	$320,000	1978	2,474	$129.35	3/2	Det Gar	Ranch	Vinyl/Pool,Stable	

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	2923 County Ln								$385,000		3%
Not	1928 Shaw Mill	-$3,055	$100,000	-$1,450	-$7,422	-$10,000			$368,074	4%	
Not	2109 John McM.	$8,333		-$3,200	$39,023	$10,000		$5,000	$379,156	2%	

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other	Distance
Adjoins	2935 County Ln	1.19	6/18/2019	$266,000	2019	2,401	$110.79	4/3	Gar	2-Story		330
Not	3005 Hemingway	1.17	5/16/2019	$269,000	2018	2,601	$103.42	4/3	Gar	2-Story		
Not	7031 Glynn Mill	0.60	5/8/2018	$255,000	2017	2,423	$105.24	4/3	Gar	2-Story		
Not	5213 Bree Brdg	0.92	5/7/2019	$260,000	2018	2,400	$108.33	4/3	3-Gar	2-Story		

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	2935 County Ln								$266,000		3%
Not	3005 Hemingway	$748		$1,345	-$16,547				$254,546	4%	
Not	7031 Glynn Mill	$8,724		$2,550	-$1,852				$264,422	1%	
Not	5213 Bree Brdg	$920		$1,300	$76			-$10,000	$252,296	5%	

Both of these matched pairs adjust to an average of +3% on impact for the adjoining solar farm, meaning there is a slight positive impact due to proximity to the solar farm. This is within the standard +/- of typical real estate transactions, which strongly suggests no impact on property value. I noted specifically that for 2923 County Line Road, the best comparable is 2109 John McMillan as it does not have the additional rental unit on it. I made no adjustment to the other sale for the value of that rental unit, which would have pushed the impact on that comparable downward – meaning there would have been a more significant positive impact.

16. Matched Pair – Sunfish Farm, Keenebec Rd, Willow Spring, NC



This project was built in 2015 and located on 49.6 acres (with an inset 11.25-acre parcel) for a 6.4 MW project with the closest home at 135 feet with an average distance of 105 feet.

I considered the 2017 sale identified on the map above, which is 205 feet away from the closest panel. The matched pairs for each of these are shown below followed by a more recent map showing the panels at this site. The average difference in the three comparables and the subject property is +3% after adjusting for differences in the sales date, year built, gross living area, and other minor differences. This data is supported by the comments from the broker Brian Schroepfer with Keller Williams that the solar farm had no impact on the purchase price. The landscaping screen is considered light.

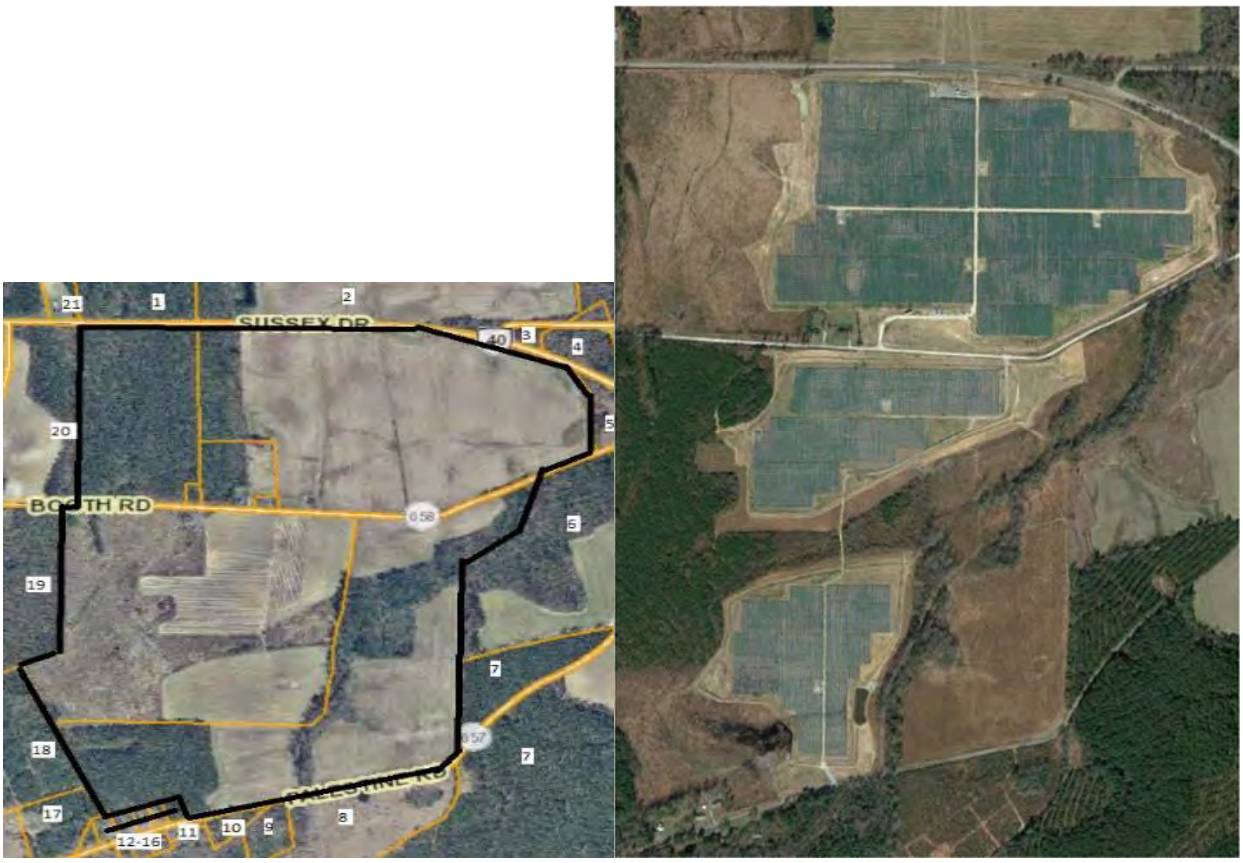
Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style
	Adjoins	7513 Glen Willow	0.79	9/1/2017	$185,000	1989	1,492	$123.99	3/2	Gar	BR/Rnch
	Not	2968 Tram	0.69	7/17/2017	$155,000	1984	1,323	$117.16	3/2	Drive	BR/Rnch
	Not	205 Pine Burr	0.97	12/29/2017	$191,000	1991	1,593	$119.90	3/2.5	Drive	BR/Rnch
	Not	1217 Old Honeycutt	1.00	12/15/2017	$176,000	1978	1,558	$112.97	3/2.5	2Carprt	VY/Rnch

Adjustments

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff
Adjoins	7513 Glen Willow								$185,000		
Not	2968 Tram	$601		$3,875	$15,840		$10,000		$185,316	0%	
Not	205 Pine Burr	-$1,915		-$1,910	-$9,688	-$5,000			$172,487	7%	
Not	1217 Old Honeycutt	-$1,557		$9,680	-$5,965	-$5,000		$5,280	$178,438	4%	
											3%

17. Matched Pair – Sappony Solar, Sussex County, VA



This project is a 30 MW facility located on a 322.68-acre tract that was built in the fourth quarter of 2017.

I have considered the 2018 sale of Parcel 17 as shown below. This was a 1,900 s.f. manufactured home on a 6.00-acre lot that sold in 2018. I have compared that to three other nearby manufactured homes as shown below. The range of impacts is within typical market variation with an average of -1%, which supports a conclusion of no impact on property value. The landscaping buffer is considered medium.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
	Adjoins	12511 Palestine	6.00	7/31/2018	$128,400	2013	1,900	$67.58	4/2.5	Open	Manuf	
	Not	15698 Concord	3.92	7/31/2018	$150,000	2010	2,310	$64.94	4/2	Open	Manuf	Fence
	Not	23209 Sussex	1.03	7/7/2020	$95,000	2005	1,675	$56.72	3/2	Det Crpt	Manuf	
	Not	6494 Rocky Br	4.07	11/8/2018	$100,000	2004	1,405	$71.17	3/2	Open	Manuf	

Adjoining Sales Adjusted									Avg	
Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
							$128,400			1425
$0		$2,250	-$21,299	$5,000			$135,951	-6%		
-$5,660	$13,000	$3,800	$10,209	$5,000	$1,500		$122,849	4%		
-$843		$4,500	$28,185				$131,842	-3%		
									-1%	

18. Matched Pair – Camden Dam, Camden, NC



This 5 MW project was built in 2019 and located on a portion of 49.83 acres.

Parcel 1 noted above along with the home on the adjoining parcel to the north of that parcel sold in late 2018 after this solar farm was approved but prior to construction being completed in 2019. I have considered this sale as shown below. The landscaping screen is considered light.

The comparable at 548 Trotman is the most similar and required the least adjustment shows no impact on property value. The other two comparables were adjusted consistently with one showing significant enhancement and another as showing a mild negative. The best indication is the one requiring the least adjustment. The other two sales required significant site adjustments which make them less reliable. The best comparable and the average of these comparables support a finding of no impact on property value.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	122 N Mill Dam	12.19	11/29/2018	$350,000	2005	2,334	$149.96	3/3.5	3-Gar	Ranch	
Not	548 Trotman	12.10	5/31/2018	$309,000	2007	1,960	$157.65	4/2	Det2G	Ranch	Wrkshp
Not	198 Sand Hills	2.00	12/22/2017	$235,000	2007	2,324	$101.12	4/3	Open	Ranch	
Not	140 Sleepy Hlw	2.05	8/12/2019	$330,000	2010	2,643	$124.86	4/3	1-Gar	1.5 Story	

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
122 N Mill Dam								$350,000			342
548 Trotman	$6,163		-$3,090	$35,377	$5,000			$352,450	-1%		
198 Sand Hills	$8,808	$45,000	-$2,350	$607		$30,000		$317,064	9%		
140 Sleepy Hlw	-$9,258	$45,000	-$8,250	-$23,149	$5,000	$30,000		$369,343	-6%		
										1%	

19. Matched Pair – Grandy Solar, Grandy, NC



This 20 MW project was built in 2019 and located on a portion of 121 acres.

Parcels 40 and 50 have sold since construction began on this solar farm. I have considered both in matched pair analysis below. I note that the marketing for Parcel 40 (120 Par Four) identified the lack of homes behind the house as a feature in the listing. The marketing for Parcel 50 (269 Grandy) identified the property as "very private." Landscaping for both of these parcels is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	120 Par Four	0.92	8/17/2019	$315,000	2006	2,188	$143.97	4/3	2-Gar	1.5 Story	Pool
Not	102 Teague	0.69	1/5/2020	$300,000	2005	2,177	$137.80	3/2	Det 3G	Ranch	
Not	112 Meadow Lk	0.92	2/28/2019	$265,000	1992	2,301	$115.17	3/2	Gar	1.5 Story	
Not	116 Barefoot	0.78	9/29/2020	$290,000	2004	2,192	$132.30	4/3	2-Gar	2 Story	

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
120 Par Four								$315,000			405
102 Teague	-$4,636		$1,500	$910	$10,000		$20,000	$327,774	-4%		
112 Meadow Lk	$4,937		$18,550	-$7,808	$10,000	$10,000	$20,000	$320,679	-2%		
116 Barefoot	-$12,998		$2,900	-$318			$20,000	$299,584	5%		
										0%	

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	269 Grandy	0.78	5/7/2019	$275,000	2019	1,535	$179.15	3/2.5	2-Gar	Ranch	
Not	307 Grandy	1.04	10/8/2018	$240,000	2002	1,634	$146.88	3/2	Gar	1.5 Story	
Not	103 Branch	0.95	4/22/2020	$230,000	2000	1,532	$150.13	4/2	2-Gar	1.5 Story	
Not	103 Spring Lf	1.07	8/14/2018	$270,000	2002	1,635	$165.14	3/2	2-Gar	Ranch	Pool

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
269 Grandy								$275,000			477
307 Grandy	$5,550		$20,400	-$8,725	$5,000	$10,000		$272,225	1%		
103 Branch	-$8,847		$21,850	$270				$243,273	12%		
103 Spring Lf	$7,871		$22,950	-$9,908	$5,000		-$20,000	$275,912	0%		
										4%	

Both of these matched pairs support a finding of no impact on value. This is reinforced by the listings for both properties identifying the privacy due to no housing in the rear of the property as part of the marketing for these homes.

20. Matched Pair – Champion Solar, Lexington County, SC



This project is a 10 MW facility located on a 366.04-acre tract that was built in 2017.

I have considered the 2020 sale of an adjoining home located off 517 Old Charleston Road. Landscaping is considered light.

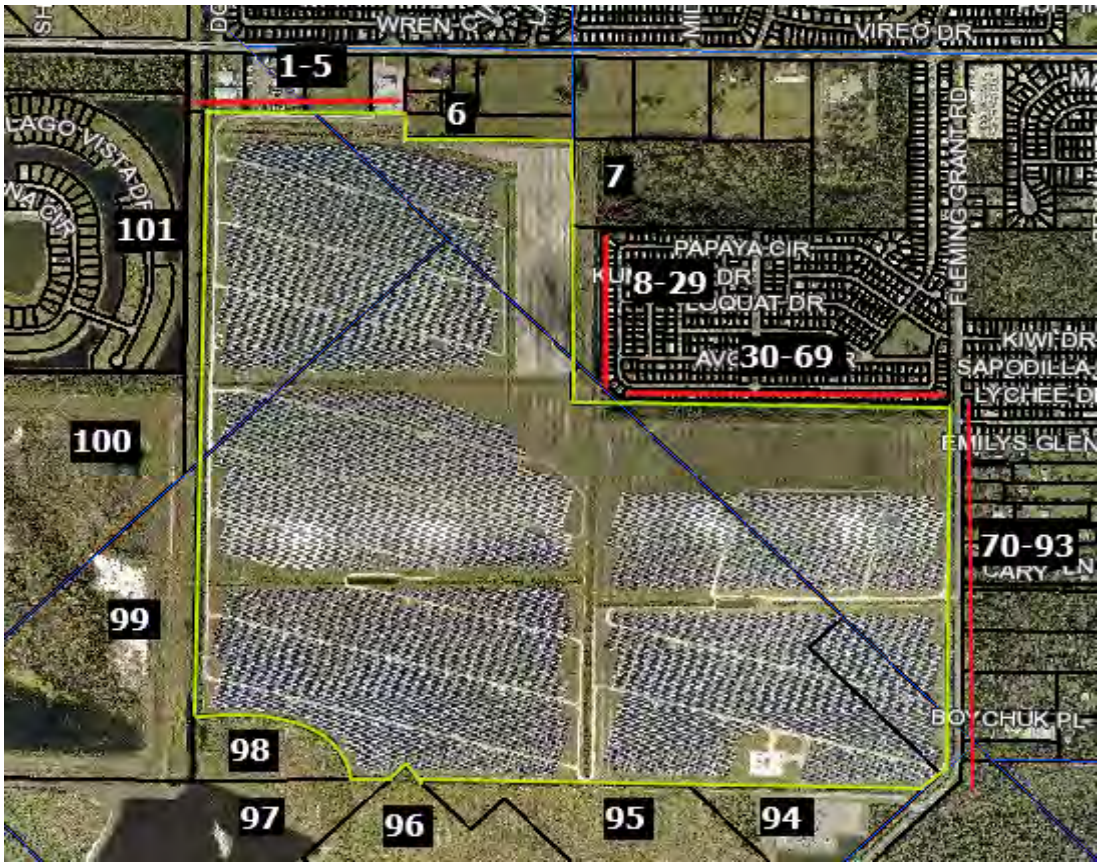
Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	517 Old Charleston	11.05	8/25/2020	$110,000	1962	925	$118.92	3/1	Crport	Br Rnch	
Not	133 Buena Vista	2.65	6/21/2020	$115,000	1979	1,104	$104.17	2/2	Crport	Br Rnch	
Not	214 Crystal Spr	2.13	6/10/2019	$102,500	1970	1,025	$100.00	3/2	Crport	Rnch	
Not	1429 Laurel	2.10	2/21/2019	$126,000	1960	1,250	$100.80	2/1.5	Open	Br Rnch	3 Gar/Brn

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
517 Old Charleston								$110,000			505
133 Buena Vista	$410	$17,000	-$9,775	-$14,917	-$10,000			$97,718	11%		
214 Crystal Spr	$2,482	$18,000	-$4,100	-$8,000	-$10,000		$10,000	$110,882	-1%		
1429 Laurel	$3,804	$18,000	$1,260	-$26,208	-$5,000	$5,000	-$15,000	$107,856	2%		
										4%	

21. Matched Pair – Barefoot Bay Solar Farm, Barefoot Bay, FL



This project is located on 504 acres for a 704.5 MW facility. Most of the adjoining uses are medium density residential with some lower density agricultural uses to the southwest. This project was built in 2018. There is a new subdivision under development to the west.

I have considered a number of recent home sales from the Barefoot Bay Golf Course in the Barefoot Bay Recreation District. There are a number of sales of these mobile/manufactured homes along the eastern boundary and the lower northern boundary. I have compared those home sales to other similar homes in the same community but without the exposure to the solar farm. Staying within the same community keeps location and amenity impacts consistent. I did avoid any comparison with home sales with golf course or lakefront views as that would introduce another variable.

The six manufactured/double wide homes shown below were each compared to three similar homes in the same community and are consistently showing no impact on the adjoining property values. Based on the photos from the listings, there is limited but some visibility of the solar farm to the east, but the canal and landscaping between are providing a good visual buffer and actually are commanding a premium over the non-canal homes.

Landscaping for these adjoining homes is considered light, though photographs from the listings show that those homes on Papaya that adjoin the solar farm from east/west have no visibility of the solar farm and is effectively medium density due to the height differential. The homes that adjoin the solar farm from north/south along Papaya have some filtered view of the solar farm through the trees.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
14	Adjoins	465 Papaya Cr	0.12	7/21/2019	$155,000	1993	1,104	$140.40	2/2	Drive	Manuf	Canal
	Not	1108 Navajo	0.14	2/27/2019	$129,000	1984	1,220	$105.74	2/2	Crprt	Manuf	Canal
	Not	1007 Barefoot	0.11	9/3/2020	$168,000	2005	1,052	$159.70	2/2	Crprt	Manuf	Canal
	Not	1132 Waterway	0.11	7/10/2020	$129,000	1982	1,012	$127.47	2/2	Crprt	Manuf	Canal

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
465 Papaya Cr							$155,000			765
1108 Navajo	$1,565	$5,805	-$9,812				$126,558	18%		
1007 Barefoot	-$5,804	-$10,080	$6,643				$158,759	-2%		
1132 Waterway	-$3,859	$7,095	$9,382				$141,618	9%		
									8%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
19	Adjoins	455 Papaya	0.12	9/1/2020	$183,500	2005	1,620	$113.27	3/2	Crprt	Manuf	Canal
	Not	938 Waterway	0.11	2/12/2020	$160,000	1986	1,705	$93.84	2/2	Crprt	Manuf	Canal
	Not	719 Barefoot	0.12	4/14/2020	$150,000	1996	1,635	$91.74	3/2	Crprt	Manuf	Canal
	Not	904 Fir	0.17	9/27/2020	$192,500	2010	1,626	$118.39	3/2	Crprt	Manuf	Canal

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
455 Papaya							$183,500			750
938 Waterway	$2,724	$15,200	-$6,381				$171,542	7%		
719 Barefoot	$1,770	$6,750	-$1,101				$157,419	14%		
904 Fir	-$422	-$4,813	-$568				$186,697	-2%		
									6%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
37	Adjoins	419 Papaya	0.09	7/16/2019	$127,500	1986	1,303	$97.85	2/2	Crprt	Manuf	Green
	Not	865 Tamarind	0.12	2/4/2019	$133,900	1995	1,368	$97.88	2/2	Crprt	Manuf	Green
	Not	501 Papaya	0.10	6/15/2018	$109,000	1986	1,234	$88.33	2/2	Crprt	Manuf	
	Not	418 Papaya	0.09	8/28/2019	$110,000	1987	1,248	$88.14	2/2	Crprt	Manuf	

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
419 Papaya							$127,500			690
865 Tamarind	$1,828	-$6,026	-$5,090				$124,613	2%		
501 Papaya	$3,637	$0	$4,876			$5,000	$122,513	4%		
418 Papaya	-$399	-$550	$3,878			$5,000	$117,930	8%		
									5%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
39	Adjoins	413 Papaya	0.09	7/16/2020	$130,000	2001	918	$141.61	2/2	Crprt	Manuf	Grn/Upd
	Not	341 Loquat	0.09	2/3/2020	$118,000	1985	989	$119.31	2/2	Crprt	Manuf	Full Upd
	Not	1119 Pocatella	0.19	1/5/2021	$120,000	1993	999	$120.12	2/2	Crprt	Manuf	Green
	Not	1367 Barefoot	0.10	1/12/2021	$130,500	1987	902	$144.68	2/2	Crprt	Manuf	Green/Upd

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
413 Papaya							$130,000			690
341 Loquat	$1,631	$9,440	-$6,777				$122,294	6%		
1119 Pocatella	-$1,749	$4,800	-$7,784			$5,000	$120,267	7%		
1367 Barefoot	-$1,979	$9,135	$1,852				$139,507	-7%		
									2%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
48	Adjoins	343 Papaya	0.09	12/17/2019	$145,000	1986	1,508	$96.15	3/2	Crprt	Manuf	Gn/Fc/Upd
	Not	865 Tamarind	0.12	2/4/2019	$133,900	1995	1,368	$97.88	2/2	Crprt	Manuf	Green
	Not	515 Papaya	0.09	3/22/2018	$145,000	2005	1,376	$105.38	3/2	Crprt	Manuf	Green
	Not	849 Tamarind	0.15	6/26/2019	$155,000	1997	1,716	$90.33	3/2	Crprt	Manuf	Grn/Fnce

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
343 Papaya							$145,000			690
865 Tamarind	$3,566	-$6,026	$10,963				$142,403	2%		
515 Papaya	$7,759	-$13,775	$11,128				$150,112	-4%		
849 Tamarind	$2,273	-$8,525	-$15,030			$5,000	$138,717	4%		
									1%	

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
52	Nearby	335 Papaya	0.09	4/17/2018	$110,000	1987	1,180	$93.22	2/2	Crprt	Manuf	Green
	Not	865 Tamarind	0.12	2/4/2019	$133,900	1995	1,368	$97.88	2/2	Crprt	Manuf	Green
	Not	501 Papaya	0.10	6/15/2018	$109,000	1986	1,234	$88.33	2/2	Crprt	Manuf	
	Not	604 Puffin	0.09	10/23/2018	$110,000	1988	1,320	$83.33	2/2	Crprt	Manuf	

Adjoining Sales Adjusted

Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
335 Papaya							$110,000			710
865 Tamarind	-$3,306	-$5,356	-$14,721			$0	$110,517	0%		
501 Papaya	-$542	$545	-$3,816			$5,000	$110,187	0%		
604 Puffin	-$1,752	-$550	-$9,333			$5,000	$103,365	6%		
									2%	

I also identified a new subdivision being developed just to the west of this solar farm called The Lakes at Sebastian Preserve. These are all canal-lot homes that are being built with homes starting at $271,000 based on the website and closed sales showing up to $342,000. According to Monique, the onsite broker with Holiday Builders, the solar farm is difficult to see from the lots that back up to that area and she does not anticipate any difficulty in selling those future homes or lots or any impact on the sales price. The closest home that will be built in this development will be approximately 340 feet from the nearest panel.

Based on the closed home prices in Barefoot Bay as well as the broker comments and activity at The Lakes at Sebastian Preserve, the data around this solar farm strongly indicates no negative impact on property value.

22. Matched Pair – Miami-Dade Solar Farm, Miami, FL



This project is located on 346.80 acres for a 74.5 MW facility. All of the adjoining uses are agricultural and residential. This project was built in 2019.

I considered the recent sale of Parcel 26 to the south that sold for over $1.6 million dollars. This home is located on 4.2 acres with additional value in the palm trees according to the listing. The comparables include similar homes nearby that are all actually on larger lots and several include avocado or palm tree income as well. All of the comparables are in similar proximity to the subject and all have similar proximity to the Miami-Dade Executive airport that is located 2.5 miles to the east.

These sales are showing no impact on the value of the property from the adjoining solar farm. The landscaping is considered light.

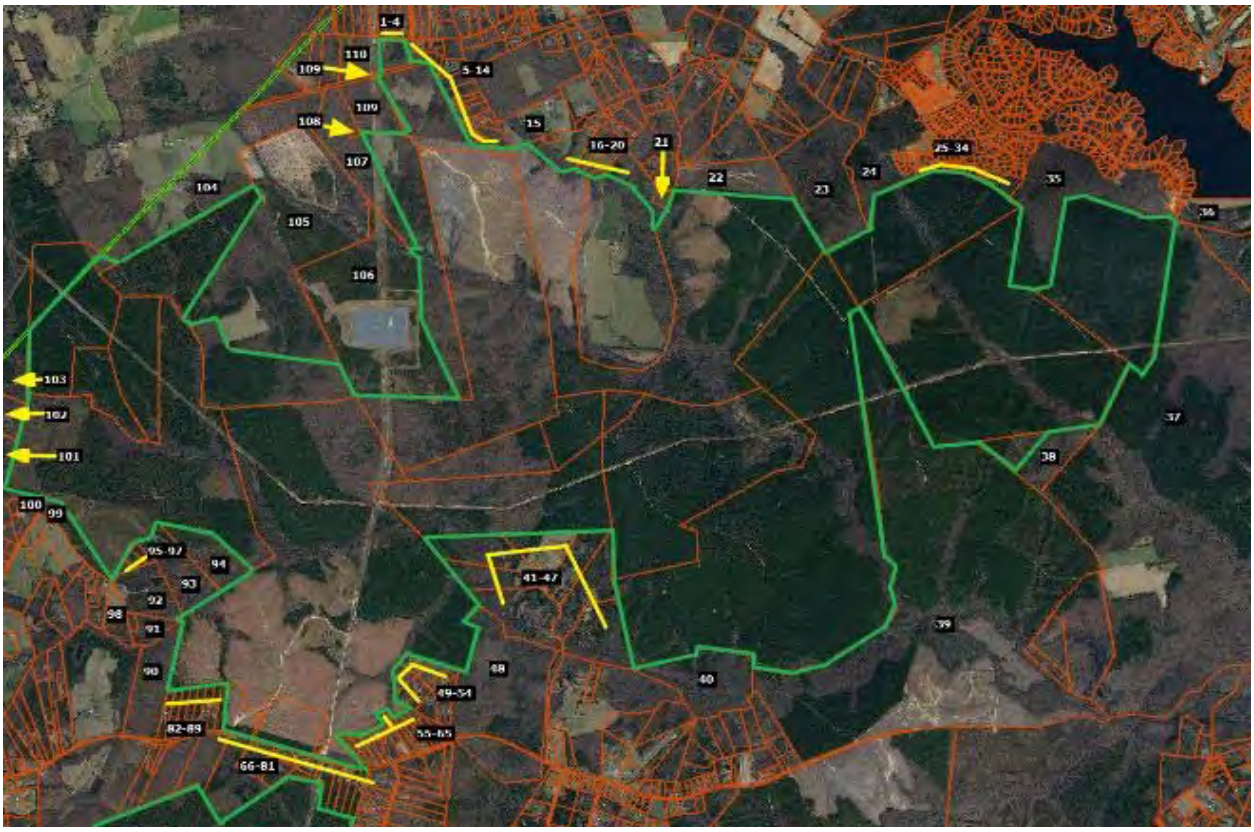
Adjoining Residential Sales After Solar Farm Approved

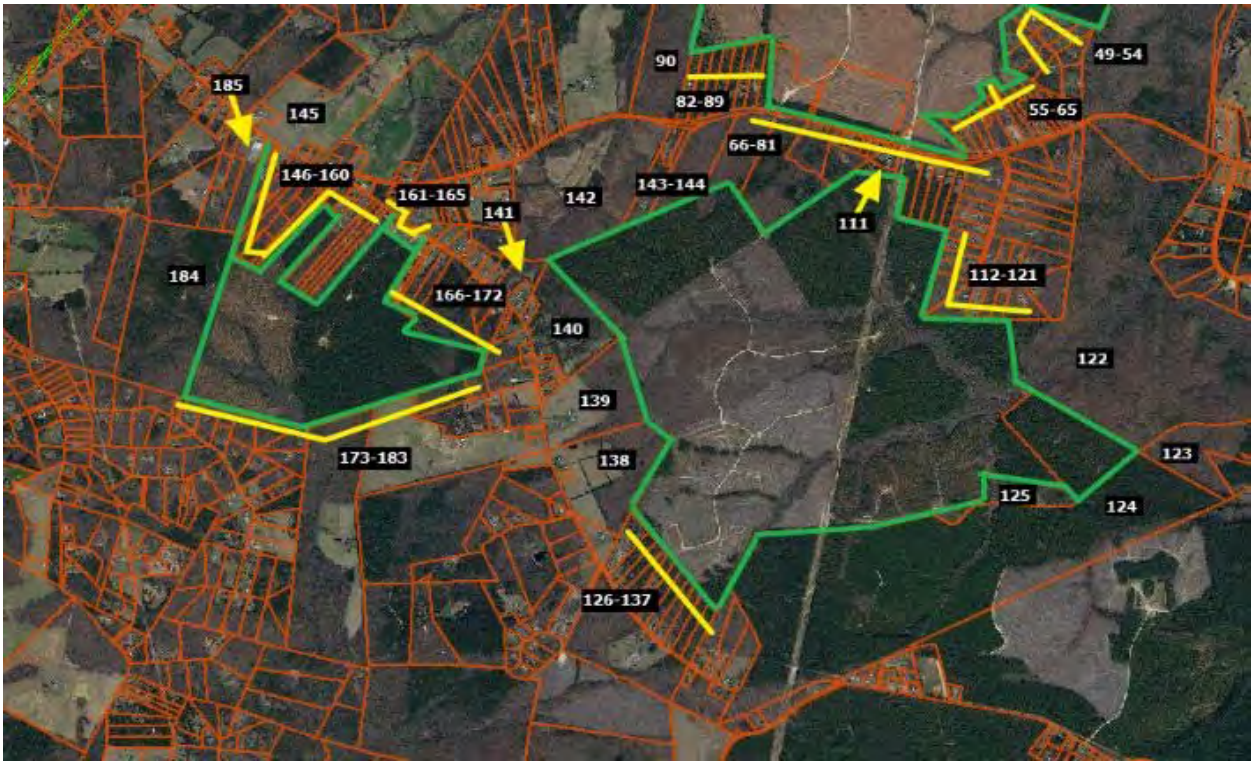
Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
26	Adjoins	13600 SW 182nd	4.20	11/5/2020	$1,684,000	2008	6,427	$262.02	5/5.5	3 Gar	CBS Rnch	Pl/Guest
	Not	18090 SW 158th	5.73	10/8/2020	$1,050,000	1997	3,792	$276.90	5/4	3 Gar	CBS Rnch	
	Not	14311 SW 187th	4.70	10/22/2020	$1,100,000	2005	3,821	$287.88	6/5	3 Gar	CBS Rnch	Pool
	Not	17950 SW 158th	6.21	10/22/2020	$1,730,000	2000	6,917	$250.11	6/5.5	2 Gar	CBS Rnch	Pool

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
13600 SW 182nd								$1,684,000			1390
18090 SW 158th	$2,478		$57,750	$583,703	$30,000			$1,723,930	-2%		
14311 SW 187th	$1,298		$16,500	$600,178	$10,000			$1,727,976	-3%		
17950 SW 158th	$2,041		$69,200	-$98,043		$10,000		$1,713,199	-2%		
										-2%	

23. Matched Pair – Spotsylvania Solar, Paytes, VA





This solar farm is being built in four phases with the area known as Site C having completed construction in November 2020 after the entire project was approved in April 2019. Site C, also known as Pleinmont 1 Solar, includes 99.6 MW located in the southeast corner of the project and shown on the maps above with adjoining parcels 111 through 144. The entire Spotsylvania project totals 617 MW on 3500 acres out of a parent tract assemblage of 6,412 acres.

I have identified three adjoining home sales that occurred during construction and development of the site in 2020.

The first is located on the north side of Site A on Orange Plank Road. The second is located on Nottoway Lane just north of Caparthin Road on the south side of Site A and east of Site C. The third is located on Post Oak Road for a home that backs up to Site C that sold in September 2020 near the completion of construction for Site C.

Spotsylvania Solar Farm

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	12901 Orng Plnk	5.20	8/27/2020	$319,900	1984	1,714	$186.64	3/2	Drive	1.5	Un Bsmt
Not	8353 Gold Dale	3.00	1/27/2021	$415,000	2004	2,064	$201.07	3/2	3 Gar	Ranch	
Not	6488 Southfork	7.26	9/9/2020	$375,000	2017	1,680	$223.21	3/2	2 Gar	1.5	Barn/Patio
Not	12717 Flintlock	0.47	12/2/2020	$290,000	1990	1,592	$182.16	3/2.5	Det Gar	Ranch	

Adjoining Sales Adjusted

Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
12901 Orng Plnk								$319,900		1270
8353 Gold Dale	-$5,219	$20,000	-$41,500	-$56,298		-$20,000		$311,983	2%	
6488 Southfork	-$401	-$20,000	-$61,875	$6,071		-$15,000		$283,796	11%	
12717 Flintlock	-$2,312	$40,000	-$8,700	$17,779	-$5,000	-$5,000		$326,767	-2%	
							Average Diff		4%	

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	9641 Nottoway	11.00	5/12/2020	$449,900	2004	3,186	$141.21	4/2.5	Garage	2-Story	Un Bsmt
Not	26123 Lafayette	1.00	8/3/2020	$390,000	2006	3,142	$124.12	3/3.5	Gar/DtG	2-Story	
Not	11626 Forest	5.00	8/10/2020	$489,900	2017	3,350	$146.24	4/3.5	2 Gar	2-Story	
Not	10304 Pny Brnch	6.00	7/27/2020	$485,000	1998	3,076	$157.67	4/4	2Gar/Dt2	Ranch	Fn Bsmt

Adjoining Sales Adjusted

Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
9641 Nottoway								$449,900		1950
26123 Lafayette	-$2,661	$45,000	-$3,900	$4,369	-$10,000	-$5,000		$417,809	7%	
11626 Forest	-$3,624		-$31,844	-$19,187		-$5,000		$430,246	4%	
10304 Pny Brnch	-$3,030		$14,550	$13,875	-$15,000	-$15,000	-$10,000	$470,396	-5%	
							Average Diff		2%	

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	13353 Post Oak	5.20	9/21/2020	$300,000	1992	2,400	$125.00	4/3	Drive	2-Story	Fn Bsmt
Not	9609 Logan Hgt	5.86	7/4/2019	$330,000	2004	2,352	$140.31	3/2	2Gar	2-Story	
Not	12810 Catharpian	6.18	1/30/2020	$280,000	2008	2,240	$125.00	4/2.5	Drive	2-Story	Bsmt/Nd Pnt
Not	10725 Rbrt Lee	5.01	10/26/2020	$295,000	1995	2,166	$136.20	4/3	Gar	2-Story	Fn Bsmt

Adjoining Sales Adjusted

Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
13353 Post Oak								$300,000		1171
9609 Logan Hgt	$12,070		-$19,800	$5,388		-$15,000	$15,000	$327,658	-9%	
12810 Catharpian	$5,408		-$22,400	$16,000	$5,000		$15,000	$299,008	0%	
10725 Rbrt Lee	-$849		-$4,425	$25,496		-$10,000		$305,222	-2%	
								Average Diff	-4%	

All three of these homes are well set back from the solar panels at distances over 1,000 feet and are well screened from the project. All three show no indication of any impact on property value.

There are a couple of recent lot sales located along Southview Court that have sold since the solar farm was approved. The most recent lot sales include 11700 Southview Court that sold on December 29, 2021 for $140,000 for a 0.76-acre lot. This property was on the market for less than 2 months before closing within 6% of the asking price. This lot sold earlier in September 2019 for $55,000 based on a liquidation sale from NTS to an investor.

A similar 0.68-acre lot at 11507 Stonewood Court within the same subdivision located away from the solar farm sold on March 9, 2021 for $109,000. This lot sold for 18% over the asking price within 1 month of listing suggesting that this was priced too low. Adjusting this lot value upward by 12% for very strong growth in the market over 2021, the adjusted indicated value is $122,080 for this lot. This is still showing a 15% premium for the lot backing up to the solar farm.

The lot at 11009 Southview Court sold on August 5, 2019 for $65,000, which is significantly lower than the more recent sales. This lot was sold by NTS the original developer of this subdivision, who was in the process of liquidating lots in this subdivision with multiple lot sales in this time period throughout the subdivision being sold at discounted prices. The home was later improved by the buyer with a home built in 2020 with 2,430 square feet ranch, 3.5 bathrooms, with a full basement, and a current assessed value of $492,300.

I spoke with Chris Kalia, MAI, Mark Doherty, local real estate investor, and Alex Doherty, broker, who are all three familiar with this subdivision and activity in this neighborhood. All three indicated that there was a deep sell off of lots in the neighborhood by NTS at discounted prices under $100,000 each. Those lots since that time are being sold for up to $140,000. The prices paid for the lots below $100,000 were liquidation values and not indicative of market value. Homes are being built in the neighborhood on those lots with home prices ranging from $600,000 to $800,000 with no sign of impact on pricing due to the solar farm according to all three sources.


New areas of new lot construction started after approval of solar farm in 2019 outlined in green.
Future development to the south shown with preliminary road clearing outlined in blue.
Fawn Lake Virginia
Ryan Homes at Fawn Lake
Brandermill Park
Cobble Run
Southview Ct
Whitehall Creek
Fawn Lake Pkwy
Pinnacle Dr


3
4
2
1
A
Brandermill Park
Cobble Run
Southview Ct
Whitehall Creek
Parcel A has a home site 470 feet from the nearest solar panel and adjoins the solar farm.
Google Eart

Fawn Lake Lot Sales

Parcel		Solar?	Address	Acres	Sale Date	Sale Price	Ad. For Time	% Diff
A		Adjoins	11700 Southview Ct	0.76	12/29/2021	$140,000		
	1	1 parcel away	11603 Southview Ct	0.44	3/31/2022	$140,000	$141,960	-1.4%
	2	Not adjoin	11507 Stonewood Ct	0.68	3/9/2021	$109,000	$118,374	15.4%
	3	Not adjoin	11312 Westgate Wy	0.83	10/15/2020	$125,000	$142,000	-1.4%
	4	Not adjoin	11409 Darkstone Pl	0.589	9/23/2021	$118,000	$118,000	15.7%

Average	7.1%
Median	7.0%

Least Adjusted	15.7%
2nd Least Adjusted	-1.4%
(Parcel 1 off solar farm)	

Time Adjustments are based on the FHFA Housing Price Index

Conclusion – SouthEast Over 5 MW

Southeast USA Over 5 MW
Matched Pair Summary

							Adj. Uses By Acreage				1 mile Radius (2010-2020 Data)			
	Name	City	State	Acres	MW	Topo Shift	Res	Ag	Ag/Res	Com/Ind	Pop.	Med. Income	Avg. Housing Unit	Veg. Buffer
1	AM Best	Goldsboro	NC	38	5.00	2	38%	0%	23%	39%	1,523	$37,358	$148,375	Light
2	Mulberry	Selmer	TN	160	5.00	60	13%	73%	10%	3%	467	$40,936	$171,746	Lt to Med
3	Leonard	Hughesville	MD	47	5.00	20	18%	75%	0%	6%	525	$106,550	$350,000	Light
4	Gastonia SC	Gastonia	NC	35	5.00	48	33%	0%	23%	44%	4,689	$35,057	$126,562	Light
5	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	$79,114	$281,731	Light
6	Tracy	Bailey	NC	50	5.00	10	29%	0%	71%	0%	312	$43,940	$99,219	Heavy
7	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667	Heavy
8	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	$63,678	$256,306	Lt to Med
9	Mariposa	Stanley	NC	36	5.00	96	48%	0%	52%	0%	1,716	$36,439	$137,884	Light
10	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	$81,022	$374,453	Light
11	Simon	Social Circle	GA	237	30.00	71	1%	63%	36%	0%	203	$76,155	$269,922	Medium
12	Candace	Princeton	NC	54	5.00	22	76%	24%	0%	0%	448	$51,002	$107,171	Medium
13	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	$80,773	$320,076	Light
14	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	$58,688	$183,435	Light
15	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	$60,037	$276,347	Light
16	Sunfish	Willow Spring	NC	50	6.40	30	35%	35%	30%	0%	1,515	$63,652	$253,138	Light
17	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	$51,410	$155,208	Light
18	Camden Dam	Camden	NC	50	5.00	0	17%	72%	11%	0%	403	$84,426	$230,288	Light
19	Grandy	Grandy	NC	121	20.00	10	55%	24%	0%	21%	949	$50,355	$231,408	Light
20	Champion	Pelion	SC	100	10.00	N/A	4%	70%	8%	18%	1,336	$46,867	$171,939	Light
21	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320	Lt to Med
22	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571	Light
23	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	$120,861	$483,333	Md to Hvy
	Average			485	57.04	38	24%	48%	22%	6%	923	$63,955	$237,700	
	Median			234	20.00	20	17%	59%	11%	0%	467	$60,037	$231,408	
	High			3,500	617.00	160	76%	98%	94%	44%	4,689	$120,861	$483,333	
	Low			35	5.00	0	1%	0%	0%	0%	48	$35,057	$99,219	

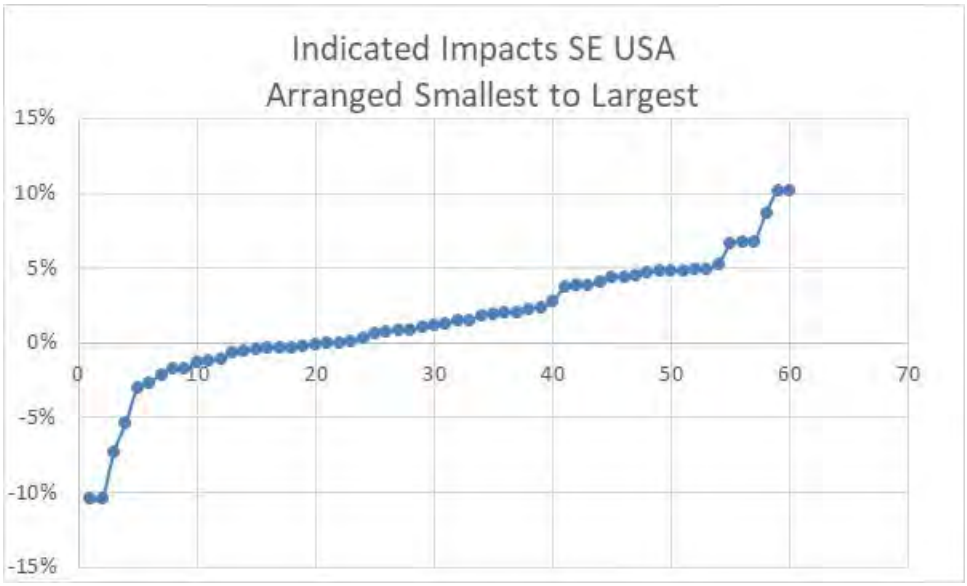
The solar farm matched pairs shown above have similar characteristics to each other in terms of population, but with several outliers showing solar farms in farm more urban areas. The median income for the population within 1 mile of a solar farm is $60,037 with a median housing unit value of $231,408. Most of the comparables are under $300,000 in the home price, with $483,333 being the high end of the set, though I have matched pairs in multiple states over $1,000,000 adjoining solar farms. The adjoining uses show that residential and agricultural uses are the predominant adjoining uses. These figures are in line with the larger set of solar farms that I have looked at with the predominant adjoining uses being residential and agricultural and similar to the subject property.

Based on the similarity of adjoining uses and demographic data between these sites and the subject property, I consider it reasonable to compare these sites to the subject property.

I have pulled 56 matched pairs from the above referenced solar farms to provide the following summary of home sale matched pairs and land sales next to solar farms. The summary shows that the range of differences is from -10% to +10% with an average of +1% and median of +1%. This means that the average and median impact is for a slight positive impact due to adjacency to a solar farm. However, this +1 to rate is within the typical variability I would expect from real estate. I therefore conclude that this data shows no negative or positive impact due to adjacency to a solar farm.

While the range is seemingly wide, the graph below clearly shows that the vast majority of the data falls between -5% and +5% and most of those are clearly in the 0 to +5% range. This data strongly supports an indication of no impact on adjoining residential uses to a solar farm.

I therefore conclude that these matched pairs support a finding of no impact on value at the subject property for the proposed project, which as proposed will include a landscaped buffer to screen adjoining residential properties.


Indicated Impacts SE USA
Arranged Smallest to Largest
15%
10%
5%
0%
-5%
-10%
-15%
0
10
20
30
40
50
60
70

Residential Dwelling Matched Pairs Adjoining Solar Farms

Pair	Solar Farm	City	State	MW	Approx Distance	Tax ID/Address	Date	Sale Price	Adj. Sale Price	% Diff	Veg. Buffer
1	AM Best	Goldsboro	NC	5	280	3600195570	Sep-13	$250,000			Light
						3600198928	Mar-14	$250,000	$250,000	0%	
2	AM Best	Goldsboro	NC	5	280	3600195361	Sep-13	$260,000			Light
						3600194813	Apr-14	$258,000	$258,000	1%	
3	AM Best	Goldsboro	NC	5	280	3600199891	Jul-14	$250,000			Light
						3600198928	Mar-14	$250,000	$250,000	0%	
4	AM Best	Goldsboro	NC	5	280	3600198632	Aug-14	$253,000			Light
						3600193710	Oct-13	$248,000	$248,000	2%	
5	AM Best	Goldsboro	NC	5	280	3600196656	Dec-13	$255,000			Light
						3601105180	Dec-13	$253,000	$253,000	1%	
6	AM Best	Goldsboro	NC	5	280	3600182511	Feb-13	$247,000			Light
						3600183905	Dec-12	$240,000	$245,000	1%	
7	AM Best	Goldsboro	NC	5	280	3600182784	Apr-13	$245,000			Light
						3600193710	Oct-13	$248,000	$248,000	-1%	
8	AM Best	Goldsboro	NC	5	280	3600195361	Nov-15	$267,500			Light
						3600195361	Sep-13	$260,000	$267,800	0%	
9	Mulberry	Selmer	TN	5	400	0900A011	Jul-14	$130,000			Light
						099CA043	Feb-15	$148,900	$136,988	-5%	
10	Mulberry	Selmer	TN	5	400	099CA002	Jul-15	$130,000			Light
						0990NA040	Mar-15	$120,000	$121,200	7%	
11	Mulberry	Selmer	TN	5	480	491 Dusty	Oct-16	$176,000			Light
						35 April	Aug-16	$185,000	$178,283	-1%	
12	Mulberry	Selmer	TN	5	650	297 Country	Sep-16	$150,000			Medium
						53 Glen	Mar-17	$126,000	$144,460	4%	
13	Mulberry	Selmer	TN	5	685	57 Cooper	Feb-19	$163,000			Medium
						191 Amelia	Aug-18	$132,000	$155,947	4%	
14	Leonard Rd	Hughesville	MD	5.5	230	14595 Box Elder	Feb-16	$291,000			Light
						15313 Bassford Rd	Jul-16	$329,800	$292,760	-1%	
15	Neal Hawkins	Gastonia	NC	5	225	609 Neal Hawkins	Mar-17	$270,000			Light
						1418 N Modena	Apr-18	$225,000	$242,520	10%	
16	Summit	Moyock	NC	80	1,060	129 Pinto	Apr-16	$170,000			Light
						102 Timber	Apr-16	$175,500	$175,101	-3%	
17	Summit	Moyock	NC	80	980	105 Pinto	Dec-16	$206,000			Light
						127 Ranchland	Jun-15	$219,900	$198,120	4%	
18	Tracy	Bailey	NC	5	780	9162 Winters	Jan-17	$255,000			Heavy
						7352 Red Fox	Jun-16	$176,000	$252,399	1%	
19	Manatee	Parrish	FL	75	1180	13670 Highland	Aug-18	$255,000			Heavy
						13851 Highland	Sep-18	$240,000	$255,825	0%	
20	McBride Place	Midland	NC	75	275	4380 Joyner	Nov-17	$325,000			Medium
						3870 Elkwood	Aug-16	$250,000	$317,523	2%	
21	McBride Place	Midland	NC	75	505	5811 Kristi	Mar-20	$530,000			Medium
						3915 Tania	Dec-19	$495,000	$504,657	5%	
22	Mariposa	Stanley	NC	5	1155	215 Mariposa	Dec-17	$249,000			Light
						110 Airport	May-16	$166,000	$239,026	4%	
23	Mariposa	Stanley	NC	5	570	242 Mariposa	Sep-15	$180,000			Light
						110 Airport	Apr-16	$166,000	$175,043	3%	
24	Clarke Cnty	White Post	VA	20	1230	833 Nations Spr	Jan-17	$295,000			Light
						6801 Middle	Dec-17	$249,999	$296,157	0%	
25	Candace	Princeton	NC	5	488	499 Herring	Sep-17	$215,000			Medium
						1795 Bay Valley	Dec-17	$194,000	$214,902	0%	
26	Walker	Barhamsville	VA	20	250	5241 Barham	Oct-18	$264,000			Light
						9252 Ordinary	Jun-19	$277,000	$246,581	7%	
27	AM Best	Goldsboro	NC	5	385	103 Granville Pl	Jul-18	$265,000			Light
						2219 Granville	Jan-18	$260,000	$265,682	0%	
28	AM Best	Goldsboro	NC	5	315	104 Erin	Jun-17	$280,000			Light
						2219 Granville	Jan-18	$265,000	$274,390	2%	
29	AM Best	Goldsboro	NC	5	400	2312 Granville	May-18	$284,900			Light
						2219 Granville	Jan-18	$265,000	$273,948	4%	

Residential Dwelling Matched Pairs Adjoining Solar Farms

Pair	Solar Farm	City	State	MW	Approx Distance	Tax ID/Address	Date	Sale Price	Adj. Sale Price	% Diff	Veg. Buffer
30	AM Best	Goldsboro	NC	5	400	2310 Granville	May-19	$280,000			Light
						634 Friendly	Jul-19	$267,000	$265,291	5%	
31	Summit	Moyock	NC	80	570	318 Green View	Sep-19	$357,000			Light
						336 Green View	Jan-19	$365,000	$340,286	5%	
32	Summit	Moyock	NC	80	440	164 Ranchland	Apr-19	$169,000			Light
						105 Longhorn	Oct-17	$184,500	$186,616	-10%	
33	Summit	Moyock	NC	80	635	358 Oxford	Sep-19	$478,000			Light
						176 Providence	Sep-19	$425,000	$456,623	4%	
34	Summit	Moyock	NC	80	970	343 Oxford	Mar-17	$490,000			Light
						218 Oxford	Apr-17	$525,000	$484,064	1%	
35	Innov 46	Hope Mills	NC	78.5	435	6849 Roslin Farm	Feb-19	$155,000			Light
						109 Bledsoe	Jan-19	$150,000	$147,558	5%	
36	Innov 42	Fayetteville	NC	71	340	2923 County Line	Feb-19	$385,000			Light
						2109 John McMillan	Apr-18	$320,000	$379,156	2%	
37	Innov 42	Fayetteville	NC	71	330	2935 County Line	Jun-19	$266,000			Light
						7031 Glynn Mill	May-18	$255,000	$264,422	1%	
38	Sunfish	Willow Sprng	NC	6.4	205	7513 Glen Willow	Sep-17	$185,000			Light
						205 Pine Burr	Dec-17	$191,000	$172,487	7%	
39	Neal Hawkins	Gastonia	NC	5	145	611 Neal Hawkins	Jun-17	$288,000			Light
						1211 Still Forrest	Jul-18	$280,000	$274,319	5%	
40	Clarke Cnty	White Post	VA	20	1230	833 Nations Spr	Aug-19	$385,000			Light
						2393 Old Chapel	Aug-20	$330,000	$389,286	-1%	
41	Sappony	Stony Creek	VA	20	1425	12511 Palestine	Jul-18	$128,400			Medium
						6494 Rocky Branch	Nov-18	$100,000	$131,842	-3%	
42	Camden Dam	Camden	NC	5	342	122 N Mill Dam	Nov-18	$350,000			Light
						548 Trotman	May-18	$309,000	$352,450	-1%	
43	Grandy	Grandy	NC	20	405	120 Par Four	Aug-19	$315,000			Light
						116 Barefoot	Sep-20	$290,000	$299,584	5%	
44	Grandy	Grandy	NC	20	477	269 Grandy	May-19	$275,000			Light
						103 Spring Leaf	Aug-18	$270,000	$275,912	0%	
45	Champion	Pelion	SC	10	505	517 Old Charleston	Aug-20	$110,000			Light
						1429 Laurel	Feb-19	$126,000	$107,856	2%	
46	Barefoot Bay	Barefoot Bay	FL	74.5	765	465 Papaya	Jul-19	$155,000			Medium
						1132 Waterway	Jul-20	$129,000	$141,618	9%	
47	Barefoot Bay	Barefoot Bay	FL	74.5	750	455 Papaya	Sep-20	$183,500			Medium
						904 Fir	Sep-20	$192,500	$186,697	-2%	
48	Barefoot Bay	Barefoot Bay	FL	74.5	690	419 Papaya	Jul-19	$127,500			Medium
						865 Tamarind	Feb-19	$133,900	$124,613	2%	
49	Barefoot Bay	Barefoot Bay	FL	74.5	690	413 Papaya	Jul-20	$130,000			Medium
						1367 Barefoot	Jan-21	$130,500	$139,507	-7%	
50	Barefoot Bay	Barefoot Bay	FL	74.5	690	343 Papaya	Dec-19	$145,000			Light
						865 Tamarind	Feb-19	$133,900	$142,403	2%	
51	Barefoot Bay	Barefoot Bay	FL	74.5	710	335 Papaya	Apr-18	$110,000			Light
						865 Tamarind	Feb-19	$133,900	$110,517	0%	
52	Miami-Dade	Miami	FL	74.5	1390	13600 SW 182nd	Nov-20	$1,684,000			Light
						17950 SW 158th	Oct-20	$1,730,000	$1,713,199	-2%	
53	Spotsylvania	Paytes	VA	617	1270	12901 Orange Plnk	Aug-20	$319,900			Medium
						12717 Flintlock	Dec-20	$290,000	$326,767	-2%	
54	Spotsylvania	Paytes	VA	617	1950	9641 Nottoway	May-20	$449,900			Medium
						11626 Forest	Aug-20	$489,900	$430,246	4%	
55	Spotsylvania	Paytes	VA	617	1171	13353 Post Oak	Sep-20	$300,000			Heavy
						12810 Catharpin	Jan-20	$280,000	$299,008	0%	
56	McBride Place	Midland	NC	75	470	5833 Kristi	Sep-20	$625,000			Light
						4055 Dakeita	Dec-20	$600,000	$594,303	5%	

MW	Avg. Distance
64.91	612
20.00	479
617.00	1,950
5.00	145

	Indicated Impact
Average	1%
Median	1%
High	10%
Low	-10%

I have further broken down these results based on the MWs, Landscaping, and distance from panel to show the following range of findings for these different categories.

Most of the findings are for homes between 201 and 500 feet. Most of the findings are for Light landscaping screens.

Light landscaping screens are showing no impact on value at any distances, including for solar farms over 75.1 MW.

MW Range 4.4 to 10									
Landscaping	**Light**	**Light**	**Light**	**Medium**	**Medium**	**Medium**	**Heavy**	**Heavy**	**Heavy**
Distance	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**
#	1	19	2	0	1	2	0	0	1
Average	5%	2%	3%	N/A	0%	4%	N/A	N/A	1%
Median	5%	1%	3%	N/A	0%	4%	N/A	N/A	1%
High	5%	10%	4%	N/A	0%	4%	N/A	N/A	1%
Low	5%	-5%	3%	N/A	0%	4%	N/A	N/A	1%

10.1 to 30									
Landscaping	**Light**	**Light**	**Light**	**Medium**	**Medium**	**Medium**	**Heavy**	**Heavy**	**Heavy**
Distance	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**
#	0	3	2	0	0	1	0	0	0
Average	N/A	4%	-1%	N/A	N/A	-3%	N/A	N/A	N/A
Median	N/A	5%	-1%	N/A	N/A	-3%	N/A	N/A	N/A
High	N/A	7%	0%	N/A	N/A	-3%	N/A	N/A	N/A
Low	N/A	0%	-1%	N/A	N/A	-3%	N/A	N/A	N/A

30.1 to 75									
Landscaping	**Light**	**Light**	**Light**	**Medium**	**Medium**	**Medium**	**Heavy**	**Heavy**	**Heavy**
Distance	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**
#	0	2	3	0	0	4	0	0	0
Average	N/A	1%	0%	N/A	N/A	0%	N/A	N/A	N/A
Median	N/A	1%	0%	N/A	N/A	0%	N/A	N/A	N/A
High	N/A	2%	2%	N/A	N/A	9%	N/A	N/A	N/A
Low	N/A	1%	-2%	N/A	N/A	-7%	N/A	N/A	N/A

75.1+									
Landscaping	**Light**	**Light**	**Light**	**Medium**	**Medium**	**Medium**	**Heavy**	**Heavy**	**Heavy**
Distance	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**	**100-200**	**201-500**	**500+**
#	0	2	5	0	0	2	0	0	1
Average	N/A	-3%	2%	N/A	N/A	1%	N/A	N/A	0%
Median	N/A	-3%	4%	N/A	N/A	1%	N/A	N/A	0%
High	N/A	5%	5%	N/A	N/A	4%	N/A	N/A	0%
Low	N/A	-10%	-3%	N/A	N/A	-2%	N/A	N/A	0%

C. Summary of National Data on Solar Farms

I have worked in 19 states related to solar farms and I have been tracking matched pairs in most of those states. On the following pages I provide a brief summary of those findings showing 37 solar farms over 5 MW studied with each one providing matched pair data supporting the findings of this report.

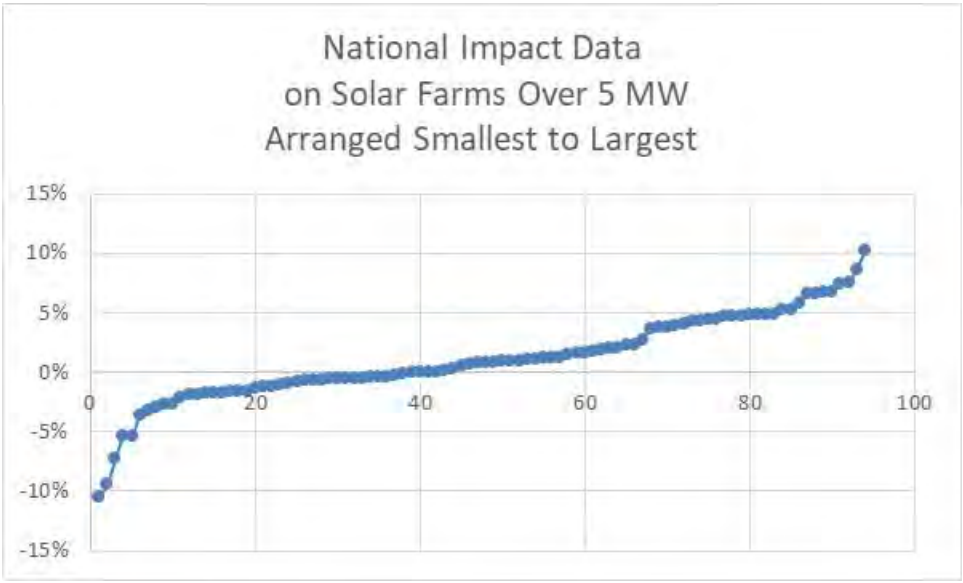
The solar farms summary is shown below with a summary of the matched pair data shown on the following page.

Matched Pair Summary							**Adj. Uses By Acreage**				**1 mile Radius (2010-2020 Data)**			
	Name	**City**	**State**	**Acres**	**MW**	**Topo Shift**	**Res**	**Ag**	**Ag/Res**	**Com/Ind**	**Popl.**	**Med. Income**	**Avg. Housing Unit**	**Veg. Buffer**
1	AM Best	Goldsboro	NC	38	5.00	2	38%	0%	23%	39%	1,523	$37,358	$148,375	Light
2	Mulberry	Selmer	TN	160	5.00	60	13%	73%	10%	3%	467	$40,936	$171,746	Lt to Med
3	Leonard	Hughesville	MD	47	5.00	20	18%	75%	0%	6%	525	$106,550	$350,000	Light
4	Gastonia SC	Gastonia	NC	35	5.00	48	33%	0%	23%	44%	4,689	$35,057	$126,562	Light
5	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	$79,114	$281,731	Light
7	Tracy	Bailey	NC	50	5.00	10	29%	0%	71%	0%	312	$43,940	$99,219	Heavy
8	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667	Heavy
9	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	$63,678	$256,306	Lt to Med
10	Grand Ridge	Streator	IL	160	20.00	1	8%	87%	5%	0%	96	$70,158	$187,037	Light
11	Dominion	Indianapolis	IN	134	8.60	20	3%	97%	0%	0%	3,774	$61,115	$167,515	Light
12	Mariposa	Stanley	NC	36	5.00	96	48%	0%	52%	0%	1,716	$36,439	$137,884	Light
13	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	$81,022	$374,453	Light
14	Flemington	Flemington	NJ	120	9.36	N/A	13%	50%	28%	8%	3,477	$105,714	$444,696	Lt to Med
15	Frenchtown	Frenchtown	NJ	139	7.90	N/A	37%	35%	29%	0%	457	$111,562	$515,399	Light
16	McGraw	East Windsor	NJ	95	14.00	N/A	27%	44%	0%	29%	7,684	$78,417	$362,428	Light
17	Tinton Falls	Tinton Falls	NJ	100	16.00	N/A	98%	0%	0%	2%	4,667	$92,346	$343,492	Light
18	Simon	Social Circle	GA	237	30.00	71	1%	63%	36%	0%	203	$76,155	$269,922	Medium
19	Candace	Princeton	NC	54	5.00	22	76%	24%	0%	0%	448	$51,002	$107,171	Medium
20	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	$80,773	$320,076	Light
21	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	$58,688	$183,435	Light
22	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	$60,037	$276,347	Light
23	Demille	Lapeer	MI	160	28.40	10	10%	68%	0%	22%	2,010	$47,208	$187,214	Light
24	Turrill	Lapeer	MI	230	19.60	10	75%	59%	0%	25%	2,390	$46,839	$110,361	Light
25	Sunfish	Willow Spring	NC	50	6.40	30	35%	35%	30%	0%	1,515	$63,652	$253,138	Light
26	Picture Rocks	Tucson	AZ	182	20.00	N/A	6%	88%	6%	0%	102	$81,081	$280,172	None
27	Avra Valley	Tucson	AZ	246	25.00	N/A	3%	94%	3%	0%	85	$80,997	$292,308	None
28	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	$51,410	$155,208	Medium
29	Camden Dam	Camden	NC	50	5.00	0	17%	72%	11%	0%	403	$84,426	$230,288	Light
30	Grandy	Grandy	NC	121	20.00	10	55%	24%	0%	21%	949	$50,355	$231,408	Light
31	Champion	Pelion	SC	100	10.00	N/A	4%	70%	8%	18%	1,336	$46,867	$171,939	Light
32	Eddy II	Eddy	TX	93	10.00	N/A	15%	25%	58%	2%	551	$59,627	$139,088	Light
33	Somerset	Somerset	TX	128	10.60	N/A	5%	95%	0%	0%	1,293	$41,574	$135,490	Light
34	DG Amp Piqua	Piqua	OH	86	12.60	2	26%	16%	58%	0%	6,735	$38,919	$96,555	Light
45	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320	Lt to Med
36	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571	Light
37	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	$120,861	$483,333	Med to Hvy
	Average			362	42.05	32	24%	52%	19%	6%	1,515	$66,292	$242,468	
	Median			150	17.80	10	16%	59%	7%	0%	560	$62,384	$230,848	
	High			3,500	617.00	160	98%	98%	94%	44%	7,684	$120,861	$515,399	
	Low			35	5.00	0	1%	0%	0%	0%	48	$35,057	$96,555	

From these 37 solar farms, I have derived 94 matched pairs. The matched pairs show no negative impact at distances as close as 105 feet between a solar panel and the nearest point on a home. The range of impacts is -10% to +10% with an average and median of +1%.

	MW	Avg. Distance		Indicated Impact
Average	44.80	569	**Average**	1%
Median	14.00	400	**Median**	1%
High	617.00	1,950	**High**	10%
Low	5.00	145	**Low**	-10%

While the range is broad, the two charts below show the data points in range from lowest to highest. There is only 3 data points out of 94 that show a negative impact. The rest support either a finding of no impact or 9 of the data points suggest a positive impact due to adjacency to a solar farm. As discussed earlier in this report, I consider this data to strongly support a finding of no impact on value as most of the findings are within typical market variation and even within that, most are mildly positive findings.



D. Larger Solar Farms

I have also considered larger solar farms to address impacts related to larger projects. Projects have been increasing in size and most of the projects between 100 and 1000 MW are newer with little time for adjoining sales. I have included a breakdown of solar farms with 20 MW to 80 MW facilities with one 617 MW facility.

Matched Pair Summary - @20 MW And Larger							Adj. Uses By Acreage				1 mile Radius (2010-2019 Data)			
	Name	City	State	Acres	MW	Topo Shift	Res	Ag	Ag/Res	Com/Ind	Popl.	Med. Income	Avg. Housing Unit	Veg. Buffer
1	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	$79,114	$281,731	Light
2	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667	Heavy
3	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	$63,678	$256,306	Lt to Med
4	Grand Ridge	Streator	IL	160	20.00	1	8%	87%	5%	0%	96	$70,158	$187,037	Light
5	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	$81,022	$374,453	Light
6	Simon	Social Circle	GA	237	30.00	71	1%	63%	36%	0%	203	$76,155	$269,922	Medium
7	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	$80,773	$320,076	Light
8	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	$58,688	$183,435	Light
9	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	$60,037	$276,347	Light
10	Demille	Lapeer	MI	160	28.40	10	10%	68%	0%	22%	2,010	$47,208	$187,214	Light
11	Turrill	Lapeer	MI	230	19.60	10	75%	59%	0%	25%	2,390	$46,839	$110,361	Light
12	Picure Rocks	Tucson	AZ	182	20.00	N/A	6%	88%	6%	0%	102	$81,081	$280,172	Light
13	Avra Valley	Tucson	AZ	246	25.00	N/A	3%	94%	3%	0%	85	$80,997	$292,308	None
14	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	$51,410	$155,208	None
15	Grandy	Grandy	NC	121	20.00	10	55%	24%	0%	21%	949	$50,355	$231,408	Medium
16	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320	Lt to Med
17	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571	Light
18	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	$120,861	$483,333	Med to Hvy
	Average			640	76.03		19%	64%	17%	4%	721	$69,501	$262,659	
	Median			335	29.20		12%	68%	2%	0%	293	$72,579	$273,135	
	High			3,500	617.00		75%	98%	94%	25%	2,446	$120,861	$483,333	
	Low			121	19.60		1%	0%	0%	0%	48	$36,737	$110,361	

The breakdown of adjoining uses, population density, median income and housing prices for these projects are very similar to those of the larger set. The matched pairs for each of these were considered earlier and support a finding of no negative impact on the adjoining home values.

I have included a breakdown of solar farms with 50 MW to 617 MW facilities adjoining.

Matched Pair Summary - @50 MW And Larger							Adj. Uses By Acreage				1 mile Radius (2010-2019 Data)			
	Name	City	State	Acres	MW	Topo Shift	Res	Ag	Ag/Res	Com/Ind	Popl.	Med. Income	Avg. Housing Unit	Veg. Buffer
1	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	$79,114	$281,731	Light
2	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667	Heavy
3	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	$63,678	$256,306	Lt to Med
4	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	$58,688	$183,435	Light
5	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	$60,037	$276,347	Light
6	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320	Lt to Med
7	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571	Light
8	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	$120,861	$483,333	Med to Hvy
	Average			1,142	143.19		19%	58%	23%	1%	786	$73,128	$289,964	
	Median			580	75.00		15%	67%	0%	0%	390	$69,339	$279,039	
	High			3,500	617.00		41%	97%	94%	3%	2,446	$120,861	$483,333	
	Low			347	71.00		2%	0%	0%	0%	48	$36,737	$143,320	

The breakdown of adjoining uses, population density, median income and housing prices for these projects are very similar to those of the larger set. The matched pairs for each of these were considered earlier and support a finding of no negative impact on the adjoining home values.

The data for these larger solar farms is shown in the SE USA and the National data breakdowns with similar landscaping, setbacks and range of impacts that fall mostly in the +/-5% range as can be seen earlier in this report.

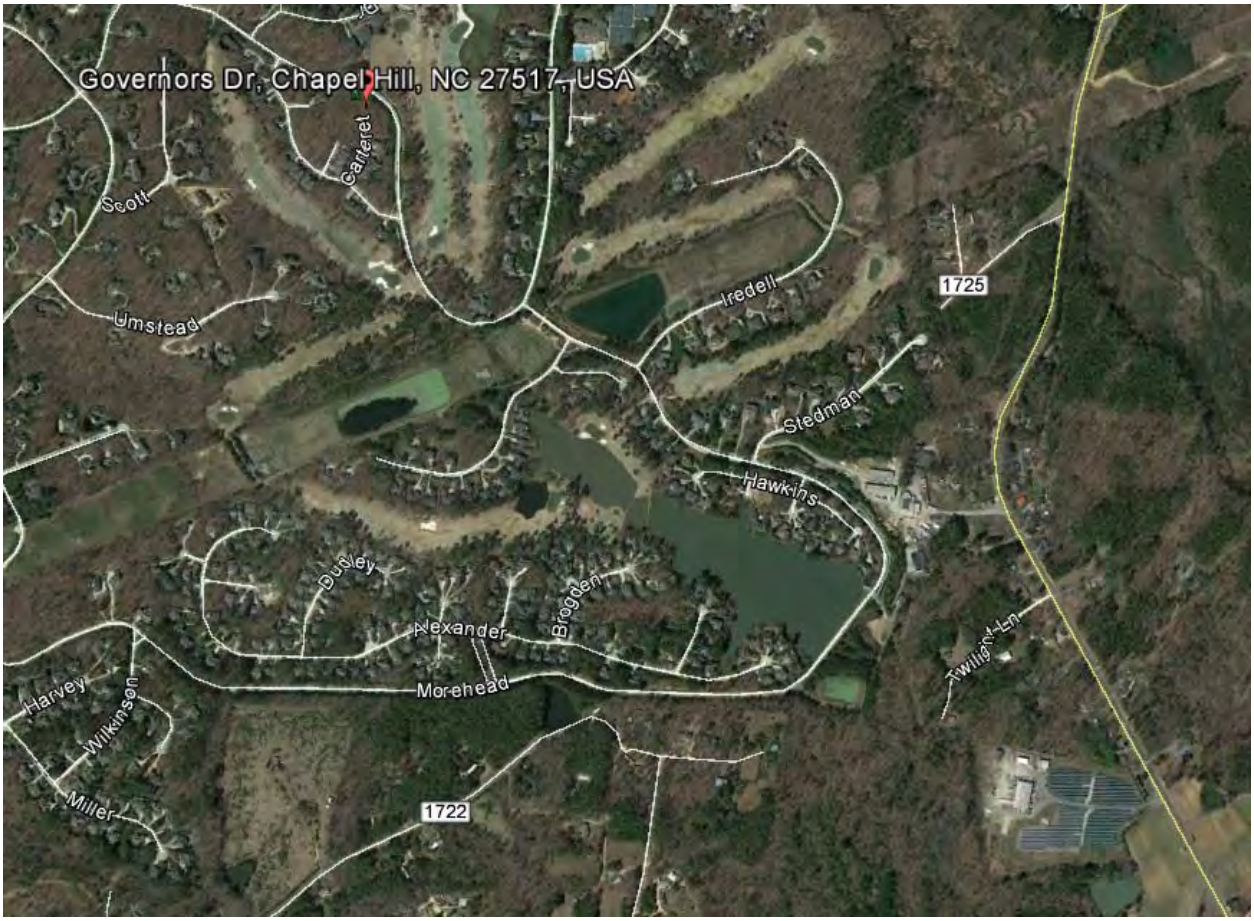
On the following page I show 81 projects ranging in size from 50 MW up to 1,000 MW with an average size of 111.80 MW and a median of 80 MW. The average closest distance for an adjoining home is 263 feet, while the median distance is 188 feet. The closest distance is 57 feet. The mix of adjoining uses is similar with most of the adjoining uses remaining residential or agricultural in nature. This is the list of solar farms that I have researched for possible matched pairs and not a complete list of larger solar farms in those states.

Parcel #	State	City	Name	Output (MW)	Total Acres	Used Acres	Avg. Dist to home	Closest Home	Adjoining Use by Acre Res	Agri	Ag/R	Com
78	NC	Moyock	Summit/Ranchland	80	2034		674	360	4%	94%	0%	2%
133	MS	Hattiesburg	Hattiesburg	50	1129	479.6	650	315	35%	65%	0%	0%
179	SC	Ridgeland	Jasper	140	1600	1000	461	108	2%	85%	13%	0%
211	NC	Enfield	Chestnut	75	1428.1		1,429	210	4%	96%	0%	0%
222	VA	Chase City	Grasshopper	80	946.25				6%	87%	5%	1%
226	VA	Louisa	Belcher	88	1238.1			150	19%	53%	28%	0%
305	FL	Dade City	Mountain View	55	347.12		510	175	32%	39%	21%	8%
319	FL	Jasper	Hamilton	74.9	1268.9	537	3,596	240	5%	67%	28%	0%
336	FL	Parrish	Manatee	74.5	1180.4		1,079	625	2%	50%	1%	47%
337	FL	Arcadia	Citrus	74.5	640				0%	0%	100%	0%
338	FL	Port Charlotte	Babcock	74.5	422.61				0%	0%	100%	0%
353	VA	Oak Hall	Amazon East(ern sh	80	1000		645	135	8%	75%	17%	0%
364	VA	Stevensburg	Greenwood	100	2266.6	1800	788	200	8%	62%	29%	0%
368	NC	Warsaw	Warsaw	87.5	585.97	499	526	130	11%	66%	21%	3%
390	NC	Ellerbe	Innovative Solar 34	50	385.24	226	N/A	N/A	1%	99%	0%	0%
399	NC	Midland	McBride	74.9	974.59	627	1,425	140	12%	78%	9%	0%
400	FL	Mulberry	Alafia	51	420.35		490	105	7%	90%	3%	0%
406	VA	Clover	Foxhound	91	1311.8		885	185	5%	61%	17%	18%
410	FL	Trenton	Trenton	74.5	480		2,193	775	0%	26%	55%	19%
411	NC	Battleboro	Fern	100	1235.4	960.71	1,494	220	5%	76%	19%	0%
412	MD	Goldsboro	Cherrywood	202	1722.9	1073.7	429	200	10%	76%	13%	0%
434	NC	Conetoe	Conetoe	80	1389.9	910.6	1,152	120	5%	78%	17%	0%
440	FL	Debary	Debary	74.5	844.63		654	190	3%	27%	0%	70%
441	FL	Hawthorne	Horizon	74.5	684				3%	81%	16%	0%
484	VA	Newsoms	Southampton	100	3243.9		-	-	3%	78%	17%	3%
486	VA	Stuarts Draft	Augusta	125	3197.4	1147	588	165	16%	61%	16%	7%
491	NC	Misenheimer	Misenheimer 2018	80	740.2	687.2	504	130	11%	40%	22%	27%
494	VA	Shacklefords	Walnut	110	1700	1173	641	165	14%	72%	13%	1%
496	VA	Clover	Piney Creek	80	776.18	422	523	195	15%	62%	24%	0%
511	NC	Scotland Neck	American Beech	160	3255.2	1807.8	1,262	205	2%	58%	38%	3%
514	NC	Reidsville	Williamsburg	80	802.6	507	734	200	25%	12%	63%	0%
517	VA	Luray	Cape	100	566.53	461	519	110	42%	12%	46%	0%
518	VA	Emporia	Fountain Creek	80	798.3	595	862	300	6%	23%	71%	0%
525	NC	Plymouth	Macadamia	484	5578.7	4813.5	1,513	275	1%	90%	9%	0%
526	NC	Mooresboro	Broad River	50	759.8	365	419	70	29%	55%	16%	0%
555	FL	Mulberry	Durrance	74.5	463.57	324.65	438	140	3%	97%	0%	0%
560	NC	Yadkinville	Sugar	60	477	357	382	65	19%	39%	20%	22%
561	NC	Enfield	Halifax 80mw 2019	80	1007.6	1007.6	672	190	8%	73%	19%	0%
577	VA	Windsor	Windsor	85	564.1	564.1	572	160	9%	67%	24%	0%
579	VA	Paytes	Spotsylvania	500	6412	3500			9%	52%	11%	27%
582	NC	Salisbury	China Grove	65	428.66	324.26	438	85	58%	4%	38%	0%
583	NC	Walnut Cove	Lick Creek	50	1424	185.11	410	65	20%	64%	11%	5%
584	NC	Enfield	Sweetleaf	94	1956.3	1250	968	160	5%	63%	32%	0%
586	VA	Aylett	Sweet Sue	77	1262	576	1,617	680	7%	68%	25%	0%
593	NC	Windsor	Sumac	120	3360.6	1257.9	876	160	4%	90%	6%	0%
599	TN	Somerville	Yum Yum	147	4000	1500	1,862	330	3%	32%	64%	1%
602	GA	Waynesboro	White Oak	76.5	516.7	516.7	2,995	1,790	1%	34%	65%	0%
603	GA	Butler	Butler GA	103	2395.1	2395.1	1,534	255	2%	73%	23%	2%
604	GA	Butler	White Pine	101.2	505.94	505.94	1,044	100	1%	51%	48%	1%
605	GA	Metter	Live Oak	51	417.84	417.84	910	235	4%	72%	23%	0%
606	GA	Hazelhurst	Hazelhurst II	52.5	947.15	490.42	2,114	105	9%	64%	27%	0%
607	GA	Bainbridge	Decatur Parkway	80	781.5	781.5	1,123	450	2%	27%	22%	49%
608	GA	Leslie-DeSoto	Americus	1000	9661.2	4437	5,210	510	1%	63%	36%	0%
616	FL	Fort White	Fort White	74.5	570.5	457.2	828	220	12%	71%	17%	0%
621	VA	Spring Grove	Loblolly	150	2181.9	1000	1,860	110	7%	62%	31%	0%
622	VA	Scottsville	Woodridge	138	2260.9	1000	1,094	170	9%	63%	28%	0%
625	NC	Middlesex	Phobos	80	754.52	734	356	57	14%	75%	10%	0%
628	MI	Deerfield	Carroll Road	200	1694.8	1694.8	343	190	12%	86%	0%	2%
633	VA	Emporia	Brunswick	150.2	2076.4	1387.3	1,091	240	4%	85%	11%	0%
634	NC	Elkin	Partin	50	429.4	257.64	945	155	30%	25%	15%	30%

Parcel #	State	City	Name	Output (MW)	Total Acres	Used Acres	Avg. Dist to home	Closest Home	Adjoining Use by Acre Res	Agri	Ag/R	Com
638	GA	Dry Branch	Twiggs	200	2132.7	2132.7	-	-	10%	55%	35%	0%
639	NC	Hope Mills	Innovative Solar 46	78.5	531.87	531.87	423	125	17%	83%	0%	0%
640	NC	Hope Mills	Innovative Solar 42	71	413.99	413.99	375	135	41%	59%	0%	0%
645	NC	Stanley	Hornet	75	1499.5	858.4	663	110	30%	40%	23%	6%
650	NC	Grifton	Grifton 2	56	681.59	297.6	363	235	1%	99%	0%	0%
651	NC	Grifton	Buckleberry	52.1	367.67	361.67	913	180	5%	54%	41%	0%
657	KY	Greensburg	Horseshoe Bend	60	585.65	395	1,394	63	3%	36%	61%	0%
658	KY	Campbellsville	Flat Run	55	429.76	429.76	408	115	13%	52%	35%	0%
666	FL	Archer	Archer	74.9	636.94	636.94	638	200	43%	57%	0%	0%
667	FL	New Smyrna Bea	Pioneer Trail	74.5	1202.8	900	1,162	225	14%	61%	21%	4%
668	FL	Lake City	Sunshine Gateway	74.5	904.29	472	1,233	890	11%	80%	8%	0%
669	FL	Florahome	Coral Farms	74.5	666.54	580	1,614	765	19%	75%	7%	0%
672	VA	Appomattox	Spout Spring	60	881.12	673.37	836	335	16%	30%	46%	8%
676	TX	Stamford	Alamo 7	106.4	1663.1	1050	-	-	6%	83%	0%	11%
677	TX	Fort Stockton	RE Roserock	160	1738.2	1500	-	-	0%	100%	0%	0%
678	TX	Lamesa	Lamesa	102	914.5	655	921	170	4%	41%	11%	44%
679	TX	Lamesa	Ivory	50	706	570	716	460	0%	87%	2%	12%
680	TX	Uvalde	Alamo 5	95	830.35	800	925	740	1%	93%	6%	0%
684	NC	Waco	Brookcliff	50	671.03	671.03	560	150	7%	21%	15%	57%
689	AZ	Arlington	Mesquite	320.8	3774.5	2617	1,670	525	8%	92%	0%	0%
692	AZ	Tucson	Avalon	51	479.21	352	-	-	0%	100%	0%	0%
				81								
			Average	111.80	1422.4	968.4	1031	263	10%	62%	22%	6%
			Median	80.00	914.5	646.0	836	188	7%	64%	17%	0%
			High	1000.00	9661.2	4813.5	5210	1790	58%	100%	100%	70%
			Low	50.00	347.1	185.1	343	57	0%	0%	0%	0%

VIII. Scope of Research

I have researched over 900 solar farms and sites on which solar farms are existing and proposed in North Carolina, Florida, Virginia as well as other states to determine what uses are typically found in proximity with a solar farm. The data I have collected and provide in this report strongly supports the assertion that solar farms are having no negative consequences on adjoining agricultural and residential values. While I have focused on adjoining values, I note that there are many examples of solar farms being located within a quarter mile of residential developments, including such notable developments as Governor's Club in Chapel Hill, which has a solar farm within a quarter mile as shown on the following aerial map. Governor's Club is a gated golf community with homes selling for $300,000 to over $2 million.



The subdivisions included in the matched pair analysis also show an acceptance of residential uses adjoining solar farms with no negative impact on property value.

Beyond these references, I have quantified the adjoining uses for a number of solar farm comparables to derive a breakdown of the adjoining uses for each solar farm. The chart below shows the breakdown of adjoining or abutting uses by total acreage.

Percentage By Adjoining Acreage									
	Res	Ag	Res/AG	Comm	Ind	Avg Home	Closest Home	All Res Uses	All Comm Uses
Average	19%	53%	20%	2%	6%	887	344	91%	8%
Median	11%	56%	11%	0%	0%	708	218	100%	0%
High	100%	100%	100%	93%	98%	5,210	4,670	100%	98%
Low	0%	0%	0%	0%	0%	90	25	0%	0%

Res = Residential, Ag = Agriculture, Com = Commercial

Total Solar Farms Considered: 705

I have also included a breakdown of each solar farm by number of adjoining parcels rather than acreage. Using both factors provides a more complete picture of the neighboring properties.

Percentage By Number of Parcels Adjoining									
	Res	Ag	Res/AG	Comm	Ind	Avg Home	Closest Home	All Res Uses	All Comm Uses
Average	61%	24%	9%	2%	4%	887	344	93%	6%
Median	65%	19%	5%	0%	0%	708	218	100%	0%
High	100%	100%	100%	60%	78%	5,210	4,670	105%	78%
Low	0%	0%	0%	0%	0%	90	25	0%	0%

Res = Residential, Ag = Agriculture, Com = Commercial

Total Solar Farms Considered: 705

Both of the above charts show a marked residential and agricultural adjoining use for most solar farms. Every single solar farm considered included an adjoining residential or residential agricultural use.

IX. Specific Factors Related To Impacts on Value

I have completed a number of Impact Studies related to a variety of uses and I have found that the most common areas for impact on adjoining values typically follow a hierarchy with descending levels of potential impact. I will discuss each of these categories and how they relate to a solar farm.

1. Hazardous material
2. Odor
3. Noise
4. Traffic
5. Stigma
6. Appearance

1. Hazardous material

A solar farm presents no potential hazardous waste byproduct as part of normal operation. Any fertilizer, weed control, vehicular traffic, or construction will be significantly less than typically applied in a residential development and even most agricultural uses.

The various solar farms that I have inspected and identified in the addenda have no known environmental impacts associated with the development and operation.

2. Odor

The various solar farms that I have inspected produced no odor.

3. Noise

Whether discussing passive fixed solar panels, or single-axis trackers, there is no negative impact associated with noise from a solar farm. The transformer reportedly has a hum similar to an HVAC that can only be heard in close proximity to this transformer and the buffers on the property are sufficient to make emitted sounds inaudible from the adjoining properties. No sound is emitted from the facility at night.

The various solar farms that I have inspected were inaudible from the roadways.

4. Traffic

The solar farm will have no onsite employee's or staff. The site requires only minimal maintenance. Relative to other potential uses of the site (such as a residential subdivision), the additional traffic generated by a solar farm use on this site is insignificant.

5. Stigma

There is no stigma associated with solar farms and solar farms and people generally respond favorably towards such a use. While an individual may express concerns about proximity to a solar farm, there is no specific stigma associated with a solar farm. Stigma generally refers to things such as adult establishments, prisons, rehabilitation facilities, and so forth.

Solar panels have no associated stigma and in smaller collections are found in yards and roofs in many residential communities. Solar farms are adjoining elementary, middle and high schools as well as churches and subdivisions. I note that one of the solar farms in this report not only adjoins

a church, but is actually located on land owned by the church. Solar panels on a roof are often cited as an enhancement to the property in marketing brochures.

I see no basis for an impact from stigma due to a solar farm.

6. Appearance

I note that larger solar farms using fixed or tracking panels are a passive use of the land that is in keeping with a rural/residential area. As shown below, solar farms are comparable to larger greenhouses. This is not surprising given that a greenhouse is essentially another method for collecting passive solar energy. The greenhouse use is well received in residential/rural areas and has a similar visual impact as a solar farm.









The solar panels are all less than 15 feet high, which means that the visual impact of the solar panels will be similar in height to a typical greenhouse and lower than a single-story residential dwelling. Were the subject property developed with single family housing, that development would have a much greater visual impact on the surrounding area given that a two-story home with attic could be three to four times as high as these proposed panels.

Whenever you consider the impact of a proposed project on viewshed or what the adjoining owners may see from their property it is important to distinguish whether or not they have a protected viewshed or not. Enhancements for scenic vistas are often measured when considering properties that adjoin preserved open space and parks. However, adjoining land with a preferred view today conveys no guarantee that the property will continue in the current use. Any consideration of the impact of the appearance requires a consideration of the wide variety of other uses a property already has the right to be put to, which for solar farms often includes subdivision development, agricultural business buildings such as poultry, or large greenhouses and the like.

Dr. Randall Bell, MAI, PhD, and author of the book **Real Estate Damages**, Third Edition, on Page 146 "Views of bodies of water, city lights, natural settings, parks, golf courses, and other amenities are considered desirable features, particularly for residential properties." Dr. Bell continues on Page

147 that "View amenities may or may not be protected by law or regulation. It is sometimes argued that views have value only if they are protected by a view easement, a zoning ordinance, or covenants, conditions, and restrictions (CC&Rs), although such protections are relatively uncommon as a practical matter. The market often assigns significant value to desirable views irrespective of whether or not such views are protected by law."

Dr. Bell concludes that a view enhances adjacent property, even if the adjacent property has no legal right to that view. He then discusses a "borrowed" view where a home may enjoy a good view of vacant land or property beyond with a reasonable expectation that the view might be partly or completely obstructed upon development of the adjoining land. He follows that with "This same concept applies to potentially undesirable views of a new development when the development conforms to applicable zoning and other regulations. Arguing value diminution in such cases is difficult, since the possible development of the offending property should have been known." In other words, if there is an allowable development on the site then arguing value diminution with such a development would be difficult. This further extends to developing the site with alternative uses that are less impactful on the view than currently allowed uses.

This gets back to the point that if a property has development rights and could currently be developed in such a way that removes the viewshed such as a residential subdivision, then a less intrusive use such as a solar farm that is easily screened by landscaping would not have a greater impact on the viewshed of any perceived value adjoining properties claim for viewshed. Essentially, if there are more impactful uses currently allowed, then how can you claim damages for a less impactful use.

7. Conclusion

On the basis of the factors described above, it is my professional opinion that the proposed solar farm will not negatively impact adjoining property values. The only category of impact of note is appearance, which is addressed through setbacks and landscaping buffers. The matched pair data supports that conclusion.

X. Conclusion

The matched pair analysis shows no negative impact in home values due to abutting or adjoining a solar farm as well as no impact to abutting or adjacent vacant residential or agricultural land. The criteria that typically correlates with downward adjustments on property values such as noise, odor, and traffic all support a finding of no impact on property value.

Very similar solar farms in very similar areas have been found by hundreds of towns and counties not to have a substantial injury to abutting or adjoining properties, and many of those findings of no impact have been upheld by appellate courts. Similar solar farms have been approved adjoining agricultural uses, schools, churches, and residential developments.

I have found no difference in the mix of adjoining uses or proximity to adjoining homes based on the size of a solar farm and I have found no significant difference in the matched pair data adjoining larger solar farms versus smaller solar farms. The data in the Southeast is consistent with the larger set of data that I have nationally.

Based on the data and analysis in this report, it is my professional opinion that the solar farm proposed at the subject property will have no negative impact on the value of adjoining or abutting property. I note that some of the positive implications of a solar farm that have been expressed by people living next to solar farms include protection from future development of residential developments or other more intrusive uses, reduced dust, odor and chemicals from former farming operations, protection from light pollution at night, it's quiet, and there is no traffic.

XI. Certification

I certify that, to the best of my knowledge and belief:

1. The statements of fact contained in this report are true and correct;

2. The reported analyses, opinions, and conclusions are limited only by the reported assumptions and limiting conditions, and are my personal, unbiased professional analyses, opinions, and conclusions;

3. I have no present or prospective interest in the property that is the subject of this report and no personal interest with respect to the parties involved;

4. I have no bias with respect to the property that is the subject of this report or to the parties involved with this assignment;

5. My engagement in this assignment was not contingent upon developing or reporting predetermined results;

6. My compensation for completing this assignment is not contingent upon the development or reporting of a predetermined value or direction in value that favors the cause of the client, the amount of the value opinion, the attainment of a stipulated result, or the occurrence of a subsequent event directly related to the intended use of the appraisal;

7. The reported analyses, opinions, and conclusions were developed, and this report has been prepared, in conformity with the requirements of the Code of Professional Ethics and Standards of Professional Appraisal Practice of the Appraisal Institute;

8. My analyses, opinions and conclusions were developed, and this report has been prepared, in conformity with the Uniform Standards of Professional Appraisal Practice.

9. The use of this report is subject to the requirements of the Appraisal Institute relating to review by its duly authorized representatives;

10. I have not made a personal inspection of the property that is the subject of this report, and;

11. No one provided significant real property appraisal assistance to the person signing this certification.

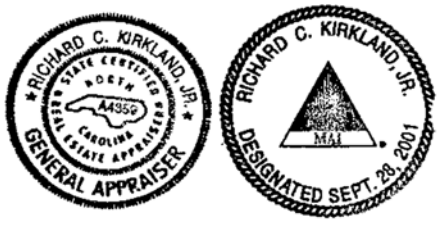
12. As of the date of this report I have completed the continuing education program for Designated Members of the Appraisal Institute;

13. I have not performed services, regarding the property that is the subject of this report within the three-year period immediately preceding acceptance of this assignment.

Disclosure of the contents of this appraisal report is governed by the bylaws and regulations of the Appraisal Institute and the National Association of Realtors.

Neither all nor any part of the contents of this appraisal report shall be disseminated to the public through advertising media, public relations media, news media, or any other public means of communications without the prior written consent and approval of the undersigned.





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Professional Experience

Kirkland Appraisals, LLC, Raleigh, N.C. — 2003 – Present
Commercial appraiser

Hester & Company, Raleigh, N.C.
Commercial appraiser — 1996 – 2003

Professional Affiliations

MAI (Member, Appraisal Institute) designation #11796 — 2001
NC State Certified General Appraiser # A4359 — 1999
VA State Certified General Appraiser # 4001017291
SC State Certified General Appraiser # 6209
FL State Certified General Appraiser # RZ3950
IL State Certified General Appraiser # 553.002633
KY State Certified General Appraiser # 5522

Education

Bachelor of Arts in English, University of North Carolina, Chapel Hill — 1993

Continuing Education

Florida Appraisal Laws and Regulations	2020
Michigan Appraisal Law	2020
Uniform Standards of Professional Appraisal Practice Update	2020
Uniform Appraisal Standards for Federal Land Acquisitions (Yellow Book)	2019
The Cost Approach	2019
Income Approach Case Studies for Commercial Appraisers	2018
Introduction to Expert Witness Testimony for Appraisers	2018
Appraising Small Apartment Properties	2018
Florida Appraisal Laws and Regulations	2018
Uniform Standards of Professional Appraisal Practice Update	2018
Appraisal of REO and Foreclosure Properties	2017
Appraisal of Self Storage Facilities	2017
Land and Site Valuation	2017
NCDOT Appraisal Principles and Procedures	2017
Uniform Standards of Professional Appraisal Practice Update	2016
Forecasting Revenue	2015
Wind Turbine Effect on Value	2015
Supervisor/Trainee Class	2015
Business Practices and Ethics	2014
Subdivision Valuation	2014
Uniform Standards of Professional Appraisal Practice Update	2014
Introduction to Vineyard and Winery Valuation	2013

Appraising Rural Residential Properties	2012
Uniform Standards of Professional Appraisal Practice Update	2012
Supervisors/Trainees	2011
Rates and Ratios: Making sense of GIMs, OARs, and DCFs	2011
Advanced Internet Search Strategies	2011
Analyzing Distressed Real Estate	2011
Uniform Standards of Professional Appraisal Practice Update	2011
Business Practices and Ethics	2011
Appraisal Curriculum Overview (2 Days – General)	2009
Appraisal Review - General	2009
Uniform Standards of Professional Appraisal Practice Update	2008
Subdivision Valuation: A Comprehensive Guide	2008
Office Building Valuation: A Contemporary Perspective	2008
Valuation of Detrimental Conditions in Real Estate	2007
The Appraisal of Small Subdivisions	2007
Uniform Standards of Professional Appraisal Practice Update	2006
Evaluating Commercial Construction	2005
Conservation Easements	2005
Uniform Standards of Professional Appraisal Practice Update	2004
Condemnation Appraising	2004
Land Valuation Adjustment Procedures	2004
Supporting Capitalization Rates	2004
Uniform Standards of Professional Appraisal Practice, C	2002
Wells and Septic Systems and Wastewater Irrigation Systems	2002
Appraisals 2002	2002
Analyzing Commercial Lease Clauses	2002
Conservation Easements	2000
Preparation for Litigation	2000
Appraisal of Nonconforming Uses	2000
Advanced Applications	2000
Highest and Best Use and Market Analysis	1999
Advanced Sales Comparison and Cost Approaches	1999
Advanced Income Capitalization	1998
Valuation of Detrimental Conditions in Real Estate	1999
Report Writing and Valuation Analysis	1999
Property Tax Values and Appeals	1997
Uniform Standards of Professional Appraisal Practice, A & B	1997
Basic Income Capitalization	1996

SIEBEIN ACOUSTIC
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March 23, 2023

Mr. Andy Cerrato
Project Development Manager (U.S.)
Solariant Capital, LLC
301 North Lake Avenue, Suite 950
Pasadena, California 91101

Dear Andy,

This letter presents the site noise study for the Solariant Solar Energy Facility in Alachua, Florida. The purpose of this study was to determine if sounds produced on site would meet the sound level limits of the Alachua County noise ordinance. Acoustical measurements of existing ambient noise levels were recorded on site for a 6 day period of time from December 17-23, 2022; and December 28, 2022 to January 1, 2023. Short term measurements of specific acoustic events including distant aircraft flyovers, distant traffic noise, trucks driving on CR 235A (173rd Street) birds, insects, wind in the trees and other wildlife were also made during the site visits. A computer model of the solar facility with the proposed inverters was constructed and sound level contours were propagated from the facility to surrounding properties. Sound levels from the facility at all property lines are more than 10 dB less than the levels allowed by ordinance and are within the range of ambient sound levels measured on site. It was determined that sounds produced on site would meet the sound level limits of the Alachua County noise ordinance and were within the range of measured ambient sound levels on site.

SOUND LEVELS AND DECIBELS

Sound is defined as a pressure disturbance in the air caused by a vibrating body that is capable of being heard or detected by the human ear. The average sound pressure level or equivalent continuous sound level (LAeq) of a time-varying sound is defined as the level of an equivalent steady sound at a specific location for the same measurement duration that has the same A-weighted sound energy as the time-varying sound. The maximum A-weighted sound level or LAFmax is the greatest sound level measured on a sound level meter using the fast response of the sound level meter during a designated time duration and an A-weighted filter. The L10 is the fast, A-weighted sound level exceeded 10 percent of the time. Sounds are typically measured in decibels. A decibel is 10 times the logarithm to the base 10 of the pressure disturbance in the air compared to the pressure at the threshold of human hearing. Decibels cannot be added directly because they are logarithmic ratios. For example, 2 sounds of 50 decibels each added together result in a sound of 53 dB, not 100 dB. A summary of the way that sounds of different levels are added together is shown in Table 1.

Table 1. Examples of the addition of different sound levels (dBA).

Sound level 1	Sound level 2	Combined sound level	Explanation
50 dBA	50 dBA	53 dBA	When two sounds of equal level are combined, the result is a 3 dB increase in sound level
50 dBA	52 dBA	54 dBA	When one sound is combined with another sound that is 2-3 dB louder than first sound, the combined sound level is 2 dB louder than the louder sound
50 dBA	55 dBA	56 dBA	When one sound is combined with another sound that is 4-7 dB louder than the first sound, the combined sound level is 1 dB louder than the louder sound

Sound level 1	Sound level 2	Combined sound level	Explanation
50 dBA	60 dBA	60 dBA	When one sound is 10 dB louder than another, the combined sound level is approximately equal to the louder sound level

The differences in sound levels are not perceived by people linearly either. One sound must be 10 dB louder than another sound for it to be heard as approximately twice as loud as the first sound. A sound that is 0 to 1 dB louder than another sound is heard as approximately the same loudness as the first sound. A sound that is 2 to 3 dB louder than another sound is heard as barely louder than the first sound. A sound that is 5 to 6 dB louder than another sound is heard as noticeably louder, but not twice as loud as the first sound. A summary of the perception of the relative loudness of two sounds is shown in Table 2. An acoustic thermometer showing the sound levels associated with different sounds is shown in Figure 1.

The sound levels are measured in A-weighted decibels or dBA. An A-weighted decibel is one that has been adjusted so it corresponds to the relative loudness of middle level sounds as they are heard by human listeners. The low frequency or bass sounds are reduced by the A-weighting process and the higher pitch sounds that human ears are more sensitive to are increased slightly by the A-weighting process.

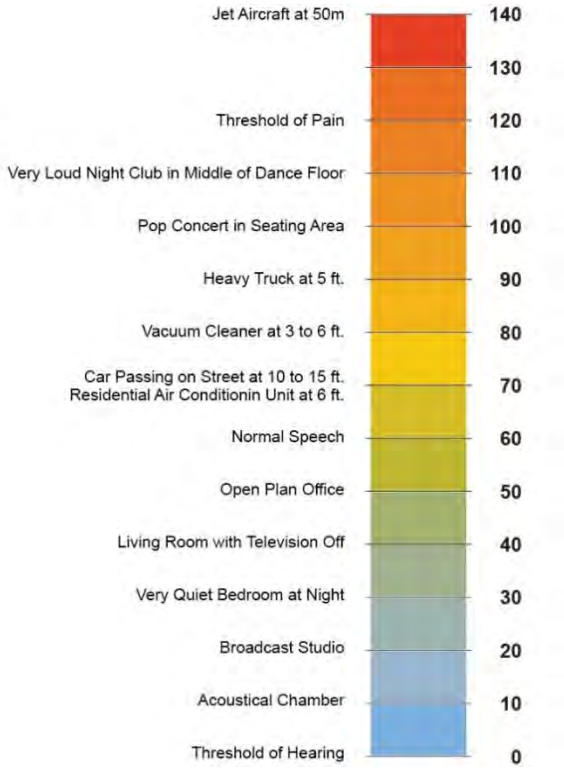


Figure 1. Acoustical thermometer showing the relative loudness of various sounds in dBA

Table 2. Perception of the relative loudness of 2 sounds.

Difference in sound level between two sounds	The louder sound is perceived as ____ the quieter sound
0 to 1 dB	Almost the same as
2-3 dB	Barely louder than
5-6 dB	Noticeably louder than, but not twice as loud as
10-12 dB	Approximately twice as loud as
15 dB	Approximately three times as loud as
20 dB	Approximately four times as loud as

In general terms, sound levels of 30 to 40 dBA are usually perceived by people as being relatively quiet. Normal conversation measured at approximately 3 feet from the person speaking is 60 to 65 dBA. Cars passing on a street, a washing machine, coffee grander, or a residential air-conditioning unit are approximately 65 to 75 dBA. Loud night clubs, machinery in a factory and amplified music at concerts are often played at levels of 100 to 110 dBA.

METHOD

The method for the Site Noise Study consisted of the items listed below.

I. Take long-term sound level measurements at 4 locations on site to document the range of sound levels that occur over a 6 day period of time.

II. Take short-term sound level measurements at 8 locations on the site to help establish design criteria for the project.

III. Construct a 3-dimensional computer model of the site and the proposed Solariant solar energy facility to determine sound levels at surrounding properties based on sound pressure level data received from the manufacturer for the inverters.

IV. Produce noise contours for the site showing anticipated sound levels on the site and propagated into the surrounding areas to determine if sound levels from the facility comply with the applicable noise ordinance.

CRITERIA

Alachua County Noise Ordinance:

The Alachua County Code of Ordinances Chapter 110. – Noise Control, Section 110.04 *Noise generated across real property lines* states that "noise from any activity or from any permissible use of property within the applicable zoning district classifications of Alachua County shall be deemed to be excessive, unnecessary, offensive and unusually loud if the total noise level as measured on the A-scale due to both ambient noise, and the alleged source of the unnecessary, offensive or excessive noise, exceeds the noise levels which are in prescribed in Table I, the measurement of which is based upon decibels, i.e. 0.0002 microbar. All such measurements as well as the method employed shall be consistent with the regulations of the American National Standards Institute, Inc., and shall represent the A-weighted sound pressure level which is exceeded ten percent of the time (L10) during the observation period". According to section 110.04 Table 1, the sound level limits are 60 dBA Daytime, 55 dBA Nighttime for Residential Occupancies.

Daytime as defined in the Noise Ordinance "the hours between 7:00 a.m. and 9:00 p.m. of the same day."

The hours of operation when the solar panels and inverters will be active for the proposed solar energy facility are proposed to be from sunrise to sunset.

INSTRUMENTATION

Short Term Measurements of Specific Acoustic Events

A Larson Davis Model 831 Sound Level Meter, which meets ANSI S1.4 requirements for type 1 sound level meters was used to record the overall A-weighted average sound levels as well as flat-weighted 1/1 and 1/3 octave band levels at the site for specific acoustic events. The meter was calibrated with a Larson Davis CAL 200 calibrator prior to and after testing and found to be within 0.1 dB of the initial calibration after testing. The microphone was held approximately 5' - 6' above the ground. A windscreen was attached to the microphone for all measurements. Qualitative observations of the type and character of sounds were noted by the Consultants during the measurement process. A tabular summary of A-weighted sound levels recorded at each location with qualitative descriptions of specific acoustic events are included in Appendix B.

Long Term Measurements of Average Sound Levels on the Solariant Alachua Solar Site

Long term measurements of average sound levels on the site and near adjacent properties were made with one Rion NL-52 and 3 Svantek SV-307A integrating sound level meters. The Rion equipment meets ANSI requirements for type I sound level meters. The meter was set to the fast, A-weighted mode to acquire data. The equipment was calibrated with a Larson Davis Cal 200 calibrator prior to and after testing. The calibration level was within ±0.1 dB from the beginning of the measurement period to the end. The microphones were covered with wind screens.

The Svantek SV307A meters meet the IEC 61672-1:2013 for Class I sound level meters. The meters recorded the overall A-weighted average sound levels as well as flat-weighted 1/1 and 1/3 octave band levels at the site for the existing ambient sound levels. The Svantek SV 307A meters are internally calibrated before and after each use. The microphones were mounted approximately 5' - 6' above the ground and chained to trees at each location. A windscreen was attached to each microphone for all measurements.

The Rion NL-52 was strapped to a tree on the east side of the property and placed approximately at the same distance from the County Road 235A (NW 173rd Street) at approximately the same distance from the road as the residence across the street is from the road to the east at approximately 5.5 ft. above grade.

Svantek 205 (Green) was strapped to a tree approximately 450 ft. from the western boundary of the site at approximately 5.5 ft above grade.

Svantek 203 (Blue) was strapped to a tree off the entry road to the site off CR 2054 (Peggy Road) approximately 800 ft north of CR 2054.

Svantek 204 (Red) was strapped to a tree along the border between the woods and the farm field approximately 450 ft. south of NW 138th Avenue near the north side of the site.

The meters were placed in secure weather proof boxes to record sound levels for approximately 6 days each.

Sound levels at Svantek 205 (Green) varied between 28 and 52 dBA with several excursions each day to 55 to 61 dBA. The Day-Night Average sound levels varied between 42 and 52 dBA at this location.

Sound levels at Svantek 203 (Blue) varied between 30 and 60 dBA with several excursions to 60 dBA and higher. The higher sound levels are likely farm equipment passing in the vicinity of the sound level meter.

The Day-Night Average sound levels varied between 48 and 58 dBA at this location.

Sound levels at Svantek 204 (Red) near 138th Street varied between 31 and 60 dBA with several excursions to 60 dBA and higher. The Day-Night Average sound levels varied between 51 and 60 dBA at this location.

Sound levels at Rion 8 off CR 235A varied between 35 and 63 dBA with several excursions to 65 dBA and higher. The Day-Night Average sound levels varied between 58 and 62 dBA at this location. The variation in LDN's is smaller at this location than at the other measurement locations because the sounds are dominated by traffic and trucks driving on CR 235A. The traffic is fairly constant during the day.

There is a larger variation in sound levels and LDN's at the other measurement locations because the quieter levels occur when there is little activity near the measurement location. The higher sound levels occur when there is more activity such as agricultural activities on the property and traffic on the nearby roads.



Figure 2. Site map with short and long term measurement locations shown. Long term measurement locations are shown with yellow dots, short term measurement locations are shown with blue dots.

Short term measurements were made at the same locations as the long term measurements and in 4 additional locations: one on each side of the existing substation across the NW 138th Avenue from the project site.

Short term sound levels of 33 to 43 dBA of insects, a light breeze blowing through the trees and distant cars were measured at R4 or Svantek 205 Green on the west side of the site.

Short term sound levels of 43 to 59 dBA were measured at R8 near CR 235A of light traffic on the road with a truck approaching and passing, insects, and crows cawing.

Short term sound levels of a farm truck idling, light traffic on Peggy Road, insects and crows were measured at 39 to 55 dBA at Svantek 203 (Blue) location on the ingress road ot the site off Peggy Road.

Short term sound levels varied between 36 and 55 dBA at Svantek 204 Red near 173rd Street.

Sound levels at the 4 locations around the existing Substation varied between 45 and 57 dBA increasing to 68 dBA when cars pass by the Substation.

COMPUTER MODEL STUDY

A three-dimensional computer model was constructed using AutoCAD software of the proposed location of the site, surrounding properties and buildings near the project site; and the land area that extends approximately 2000 to 2500 feet from the approximate property line of the site in all directions.

The AutoCAD model was imported into Cadna-A software which is a state-of-the-art noise propagation modeling software. The computer sound propagation model was used to calculate the sound levels from the proposed inverters to the property lines on all sides of the solar energy facility in accordance with ISO 9613. The solar panels were also included in the computer model. Octave band sound pressure level data measured for similar inverters were calibrated to the overall sound pressure level data received from the Client for the proposed Ninja inverters and used as the sound source data in the model. Table 3 lists the sound sources included in the acoustical model.

Table 3. Sound sources included in the acoustical model.

Sources	Type	dBA	Octave Band Sound Data Used							
			63	125	250	500	1000	2000	4000	8000
Ninja Inverters with retrofitted sound reducing hoods										
Front (Long side)	SPL @ 1m.	**90**	96	97	86	86	82	80	83	84
Rear		**84**	90	91	80	80	76	74	77	78
Right Side		**81**	86	87	76	76	73	71	73	75
Left Side		**75**	80	81	70	70	67	65	67	69
Substation										
Substation	SPL @ 30 ft.	**45**	50	53	40	43	38	35	36	30

RESULTS

1. A computer model that included the Ninja Inverters with the sound reducing hoods demonstrated that off-site sound levels from the proposed solar plant facility are below the sound level limits of the Alachua County Noise Ordinance and is within the range of the existing ambient sound levels measured on the site.

2. The model shows that the sounds from the inverters with the sound reducing hoods will be approximately <40 to 50 dBA at the property line on the north side of the site, 42 to 53 dBA on the east, 42 to 47 dBA on the south and <40 to 47 dBA on the western property line.

3. The sounds from the inverters do not cause excessive and unnecessary noise at adjacent properties, because the sound levels of the operation of the inverters falls in the range of the existing ambient sound levels measured on site.

4. The noise study shows that the facility will comply with the Alachua County Noise Ordinance when the Ninja Inverters with sound reducing hoods are used.

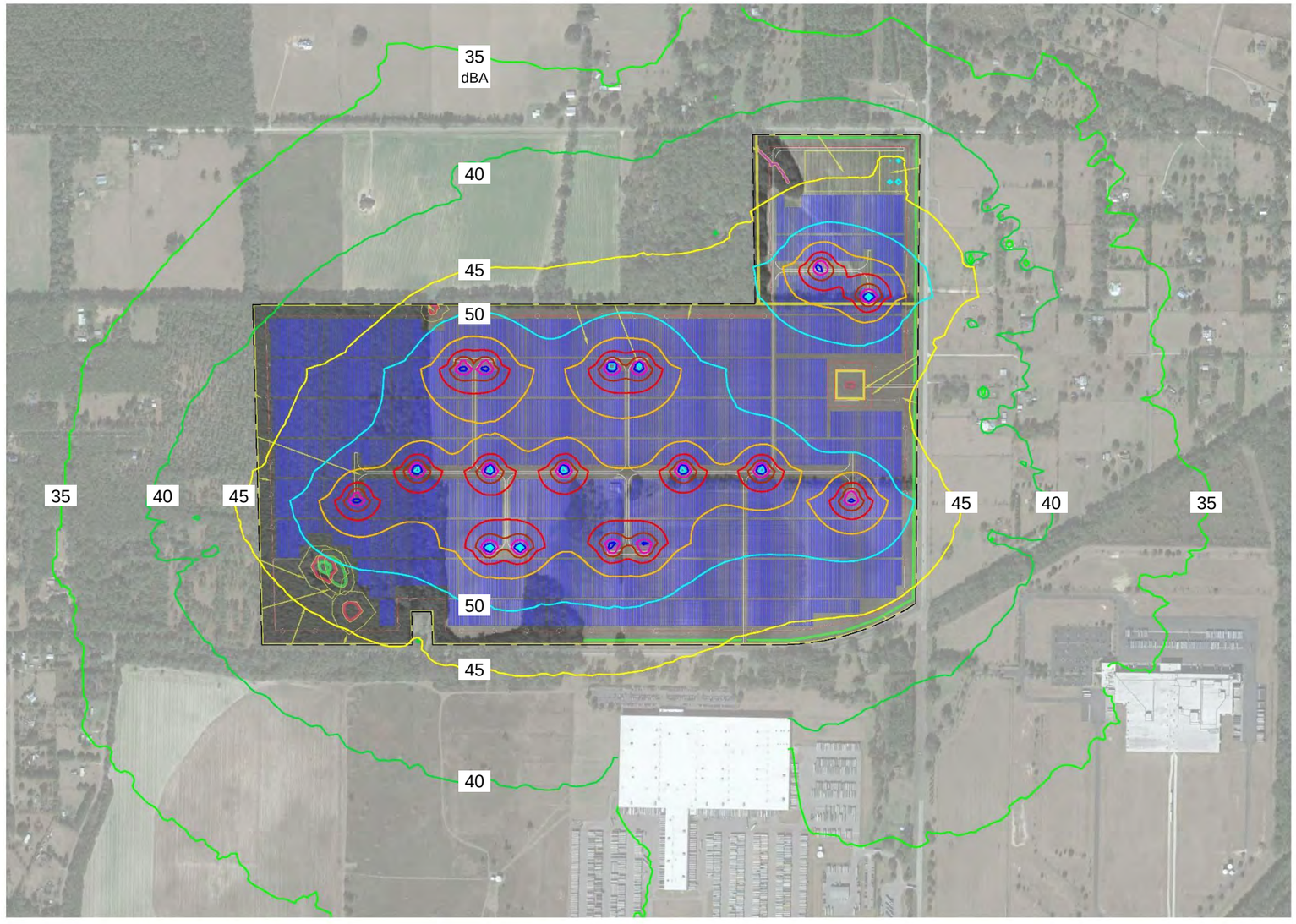


Figure 3. Aerial map overlaid with the resulting sound levels from the proposed solar project with skids retrofitted with sound reducing hoods. Sound levels from the proposed substation are also included.

CONCLUSIONS

The proposed solar facility has a site design that is carefully planned from an acoustical point-of-view with adequate distance to allow sound reduction to levels that are within the range of the existing ambient sound levels at all property lines. The computer model study indicates that the proposed solar plant facility produced significantly less sound than the sound level limits in the Alachua County noise ordinances allows when the Ninja Inverters with retrofitted sound reducing hoods are used.

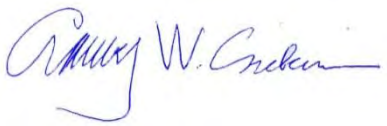
1. The computer model analysis shows that the sound level limit of 60 dBA is met at all surrounding properties with the Ninja Inverters with retrofitted sound reducing hoods running.

2. Ambient sound levels varied between 28 to 60 dBA with brief excursions to over 60 dBA during daylight hours. Higher levels were measured near County Road 235A and were dominated by traffic on the road. Lower levels of 30 to 50 dBA increasing to 60 dBA and higher when birds were chirping, insects were active or breezes were blowing through the trees were measured at locations away from the road with intermittent agricultural activities on site, the breeze in the trees, insects, birds and traffic on distant roads comprising the background sounds.

3. Sound levels with the Ninja Inverters with retrofitted sound reducing hoods running are estimated to be approximately <40 to 53 dBA at all property lines. These levels are 2 to 15 dBA or more lower than the nighttime sound level limits in noise ordinance and are within the range of the existing ambient sound levels measured on site.

Please do not hesitate to contact us if you have any questions in this regard.

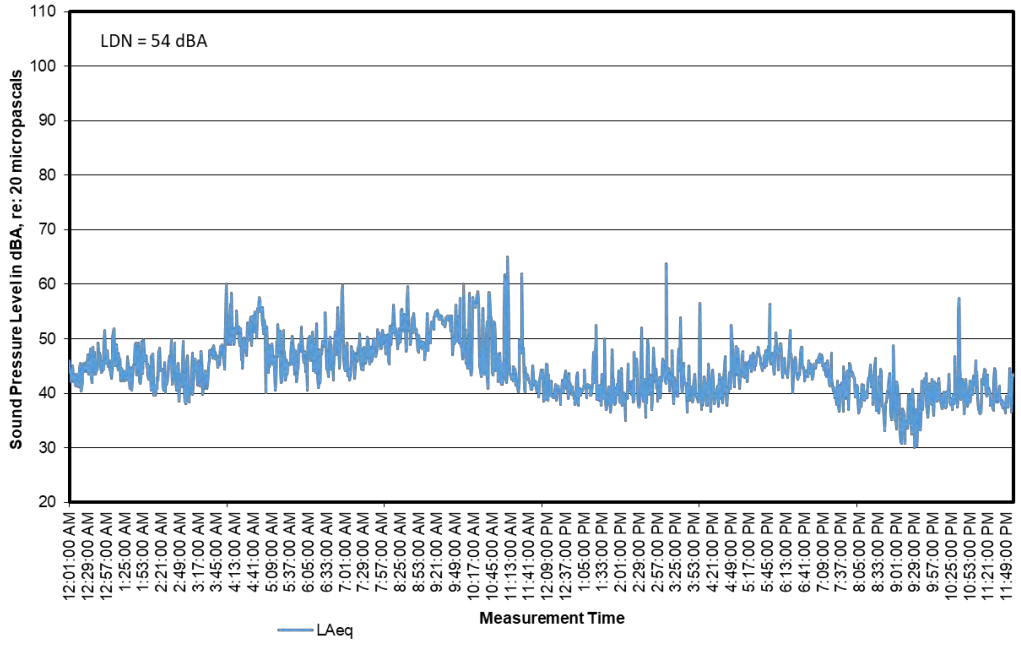
Sincerely,
SIEBEIN ASSOCIATES, INC.



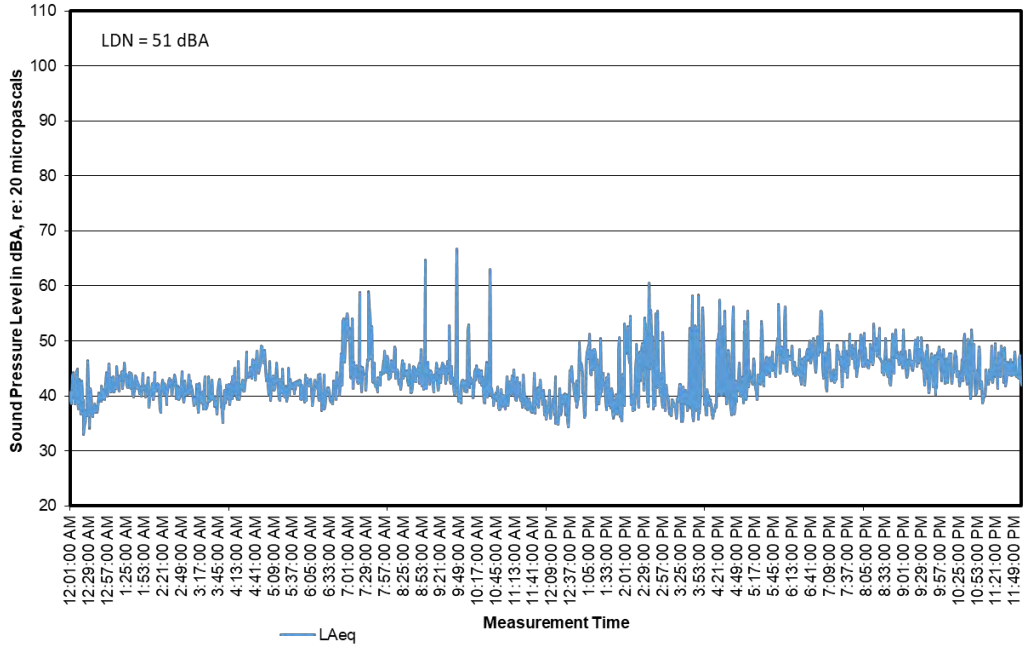
Gary W. Siebein FAIA, FASA
Senior Principal Consultant

APPENDIX A
LONG TERM SOUND LEVEL MEASUREMENT GRAPHS

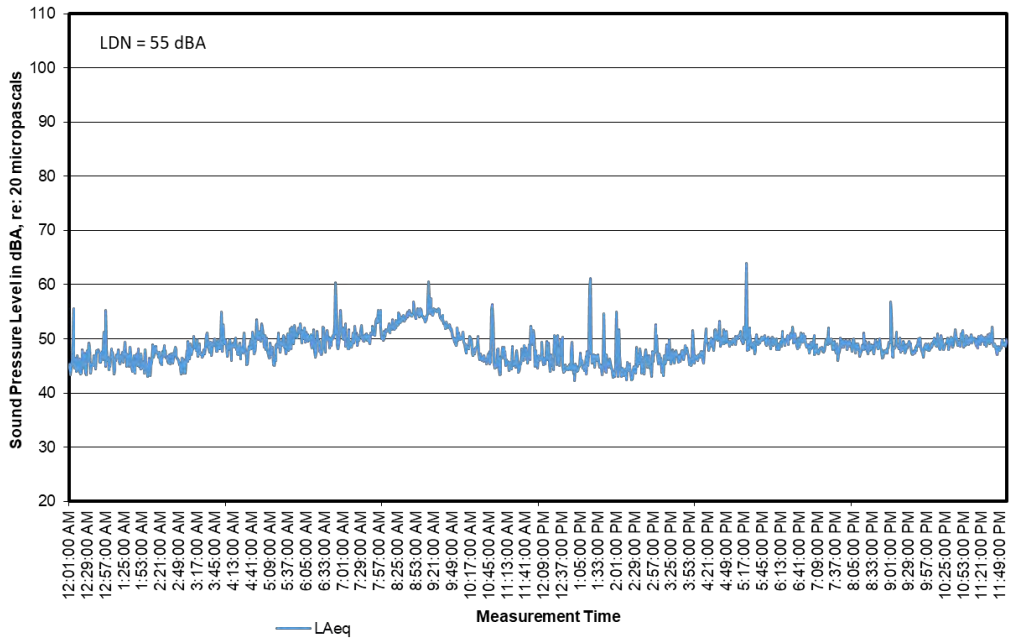
Solariant Solar
Location : Blue Svantek
December 17, to December 18, 2022



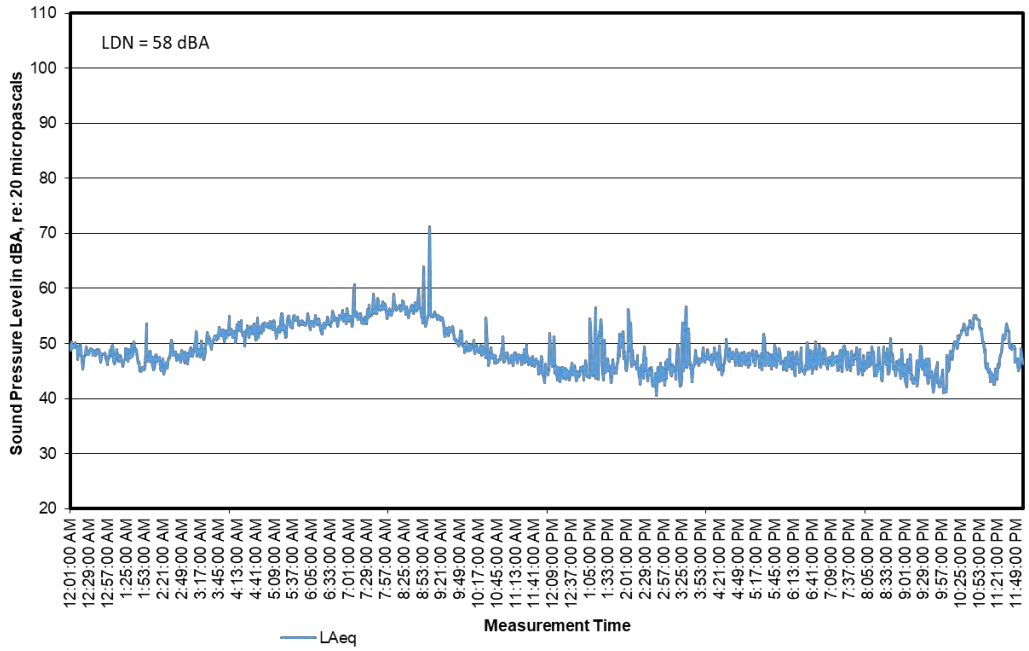
Solariant Solar
Location : Blue Svantek
December 18, to December 19, 2022



Solariant Solar
Location : Blue Svantek
December 19, to December 20, 2022



Solariant Solar
Location : Blue Svantek
December 20, to December 21, 2022



Solariant Solar
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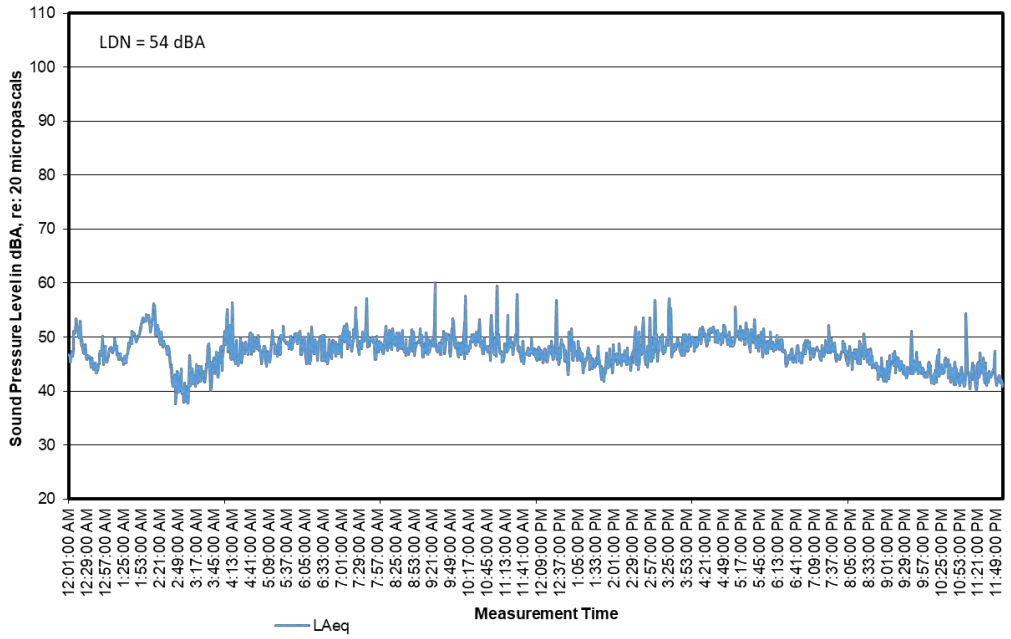
December 21, to December 22, 2022



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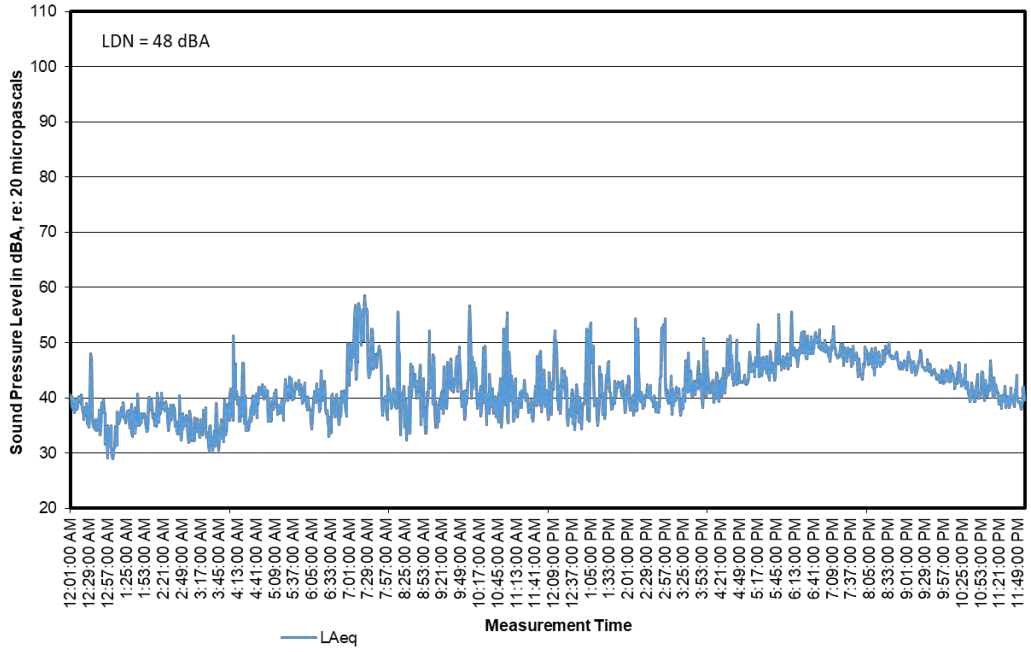

Solariant Solar
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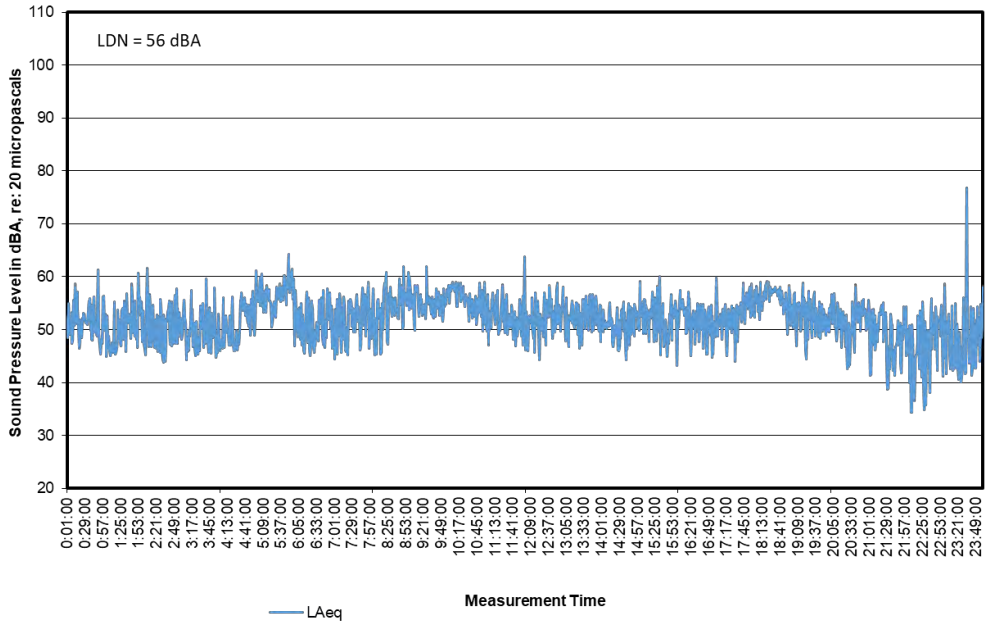
December 17, to December 18, 2022



Solariant Solar
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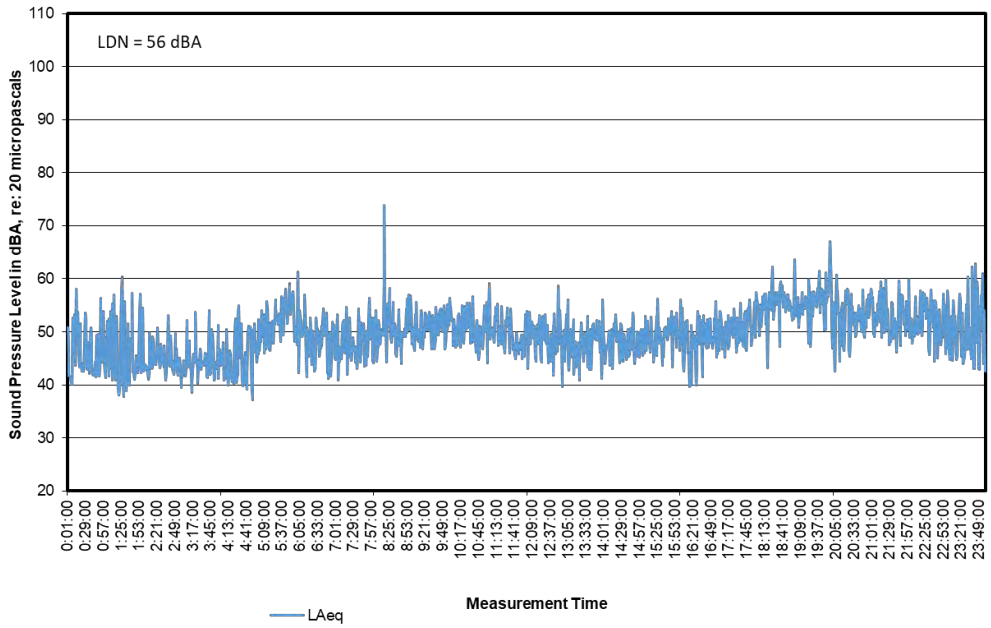
December 18, to December 19, 2022



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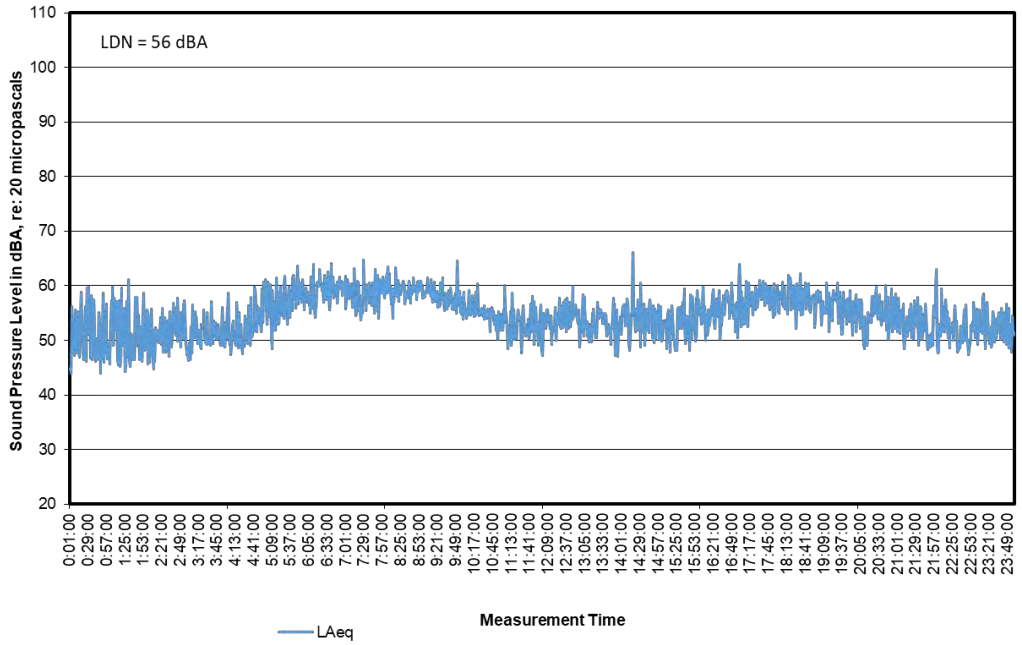

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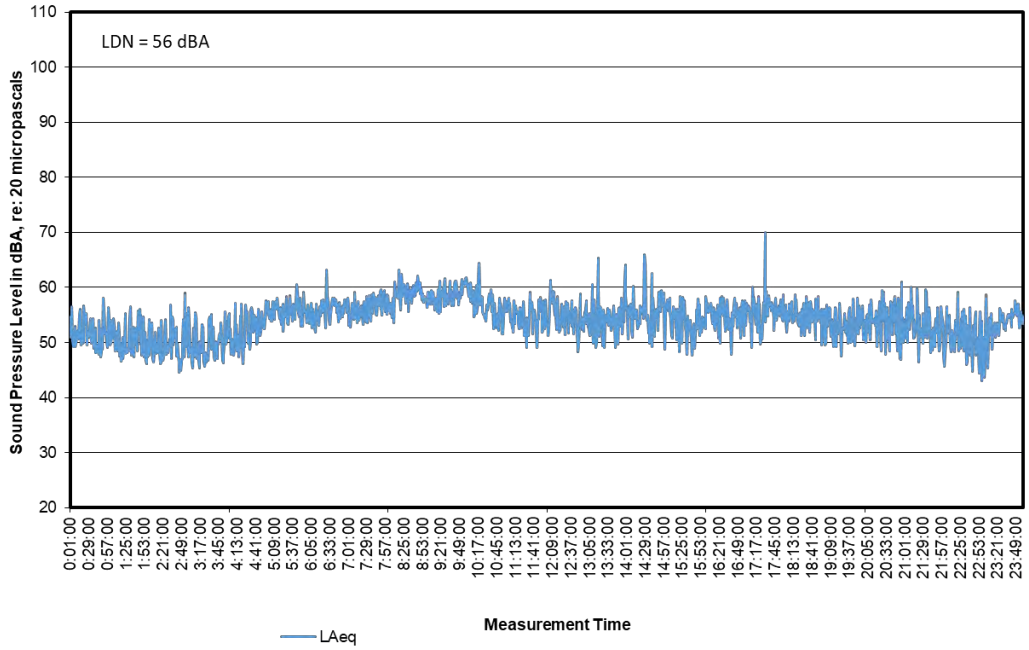
Location : Rion 8
December 20, to December 21, 2022



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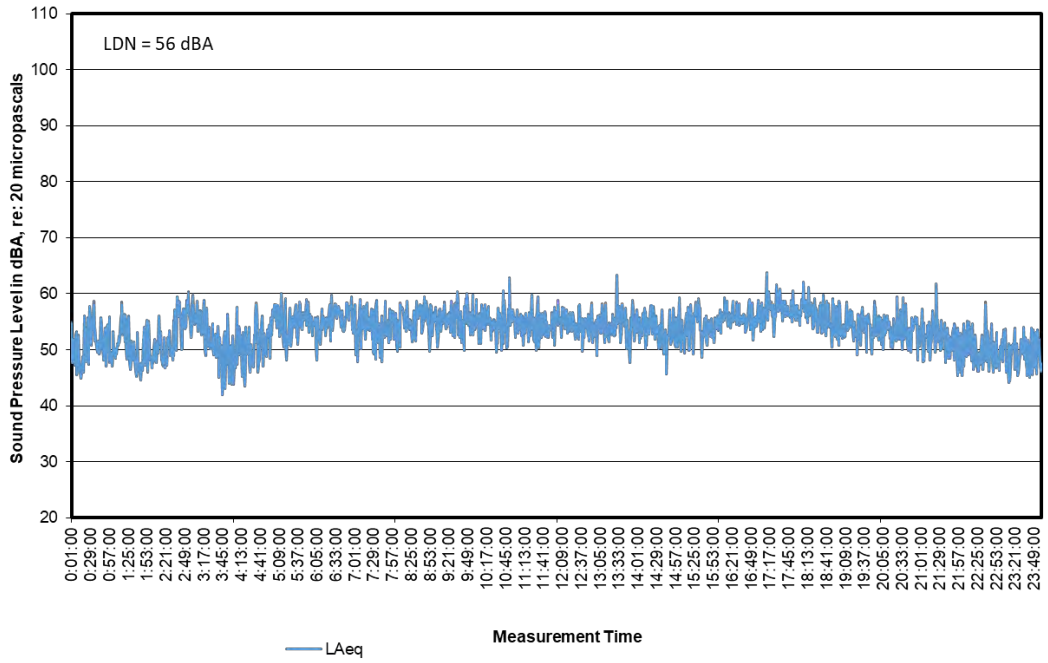
December 21, to December 22, 2022



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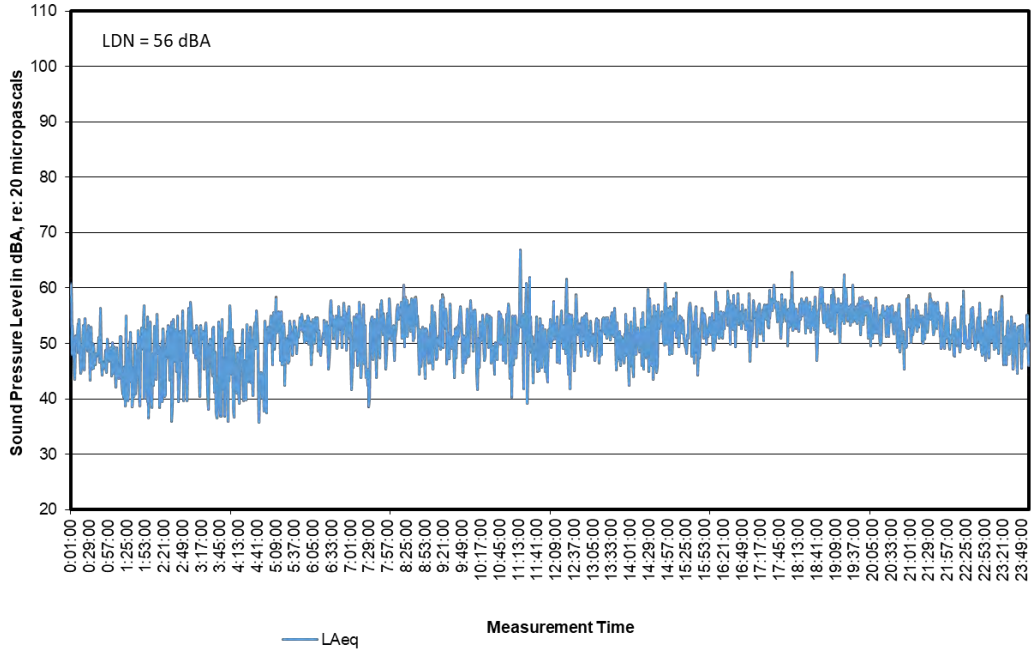
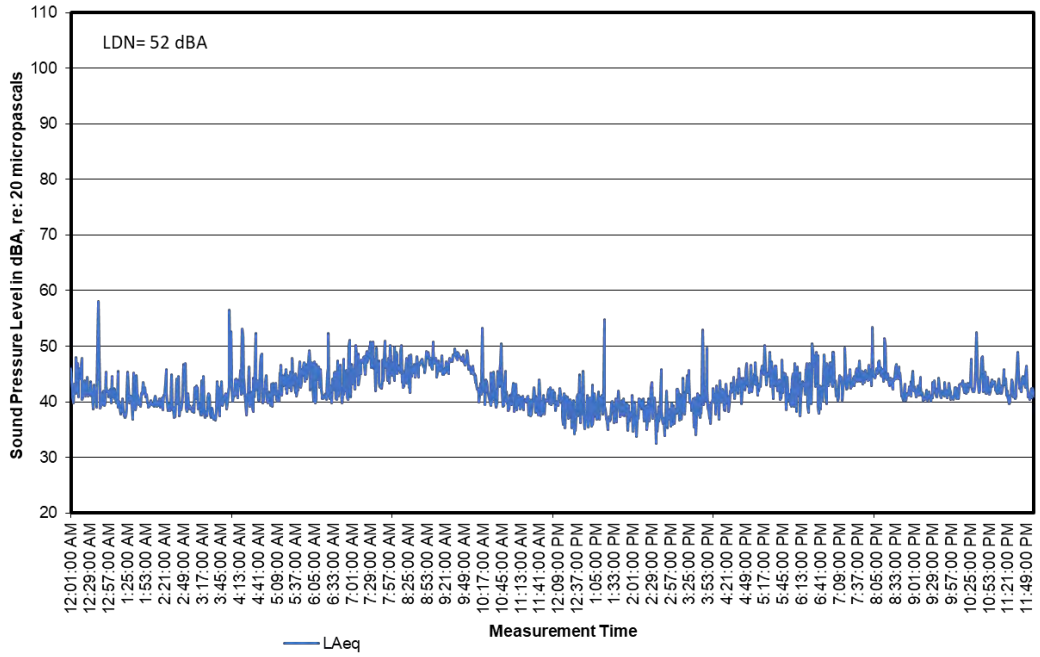
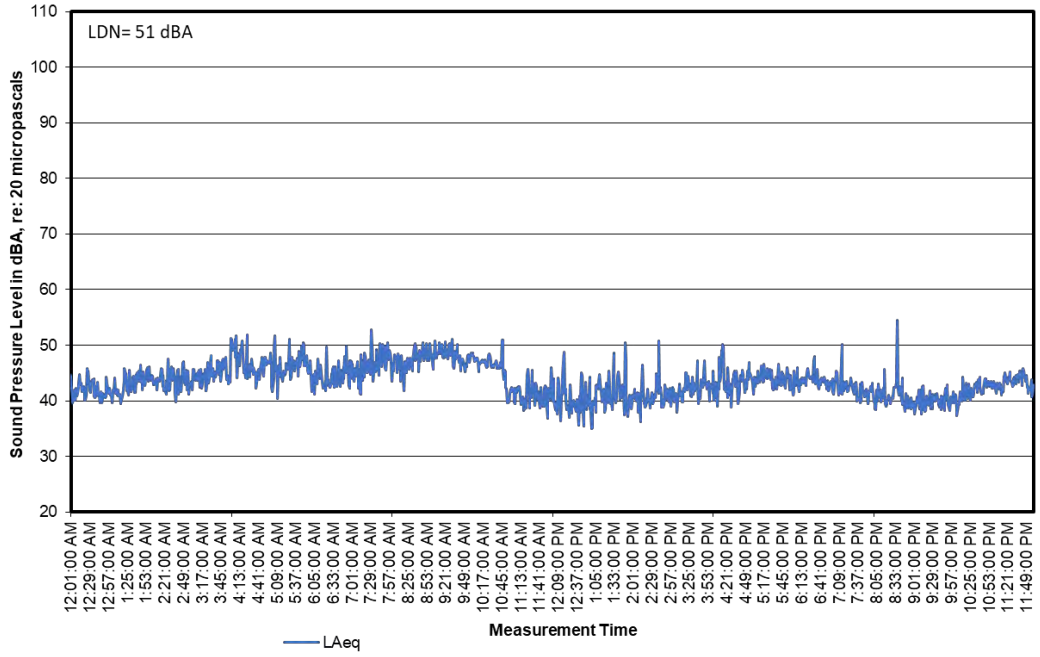
Location : Rion 8
December 22, to December 23, 2022



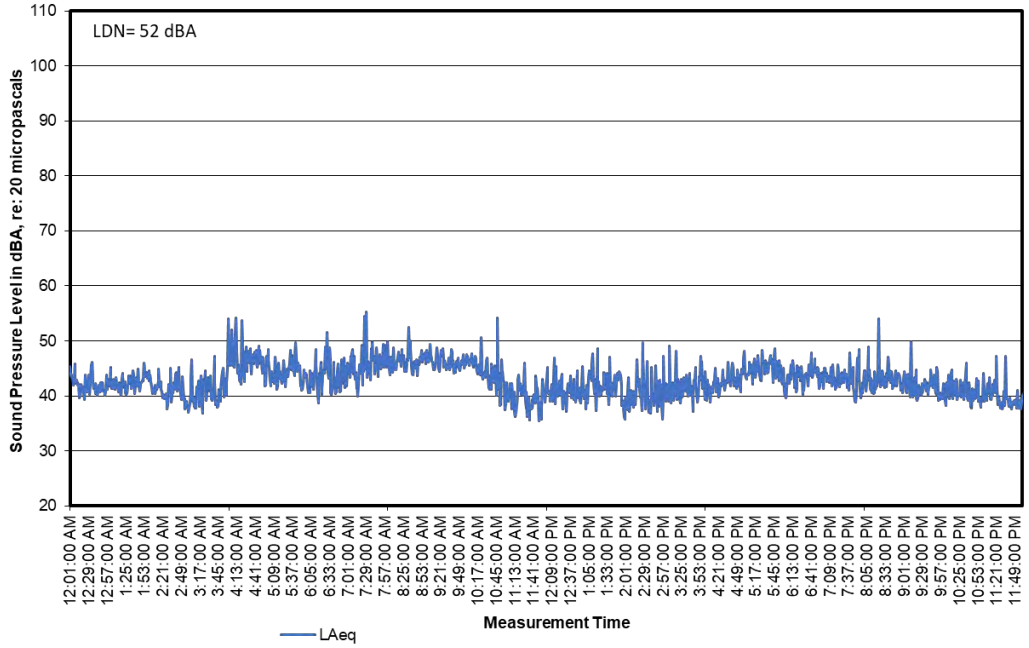
Solariant
Location : Green Svantek
December 28, to December 29, 2022



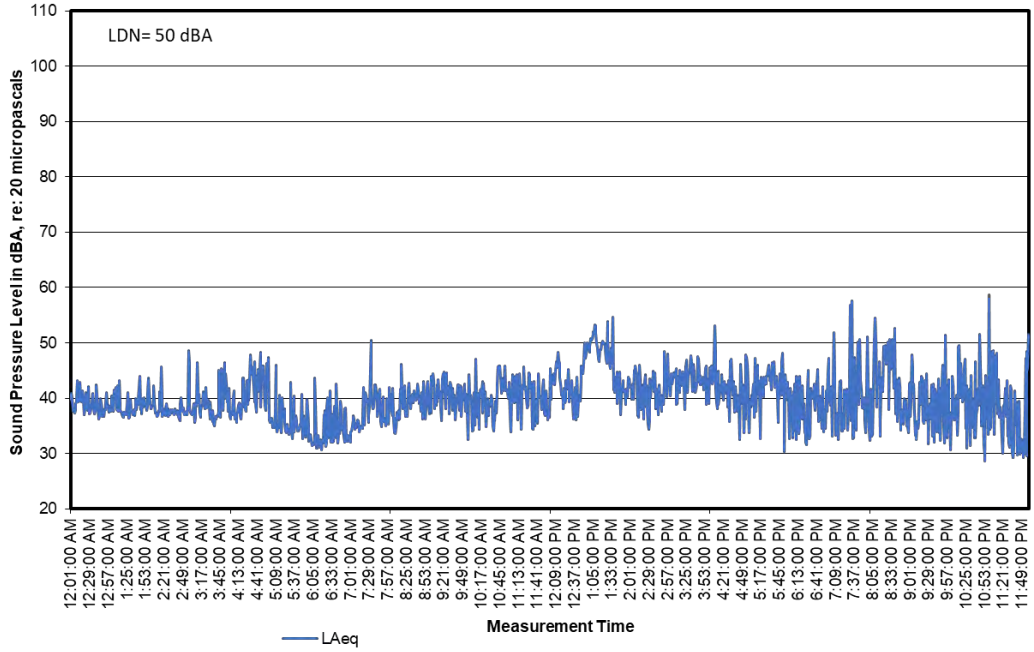
Solariant
Location : Green Svantek
December 29, to December 30, 2022



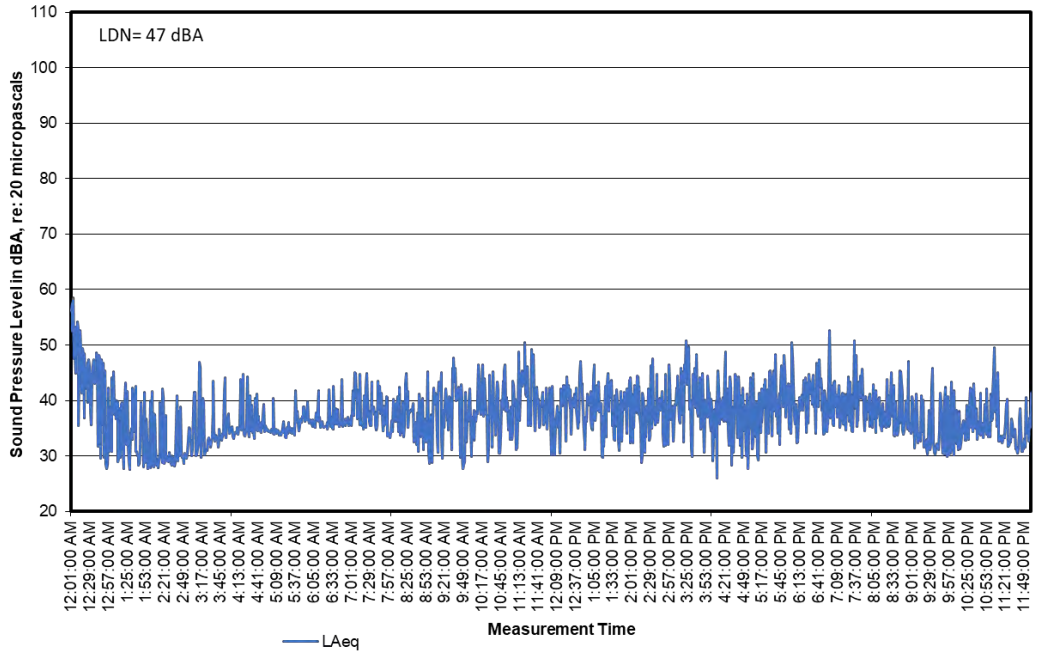
Solariant
Location : Green Svantek
December 30, to December 31, 2022



Solarient
Location :Svantek
December 31, to January 1, 2023



Solariant
Location : Green Svantek
January 1, to January 2, 2023



Solariant
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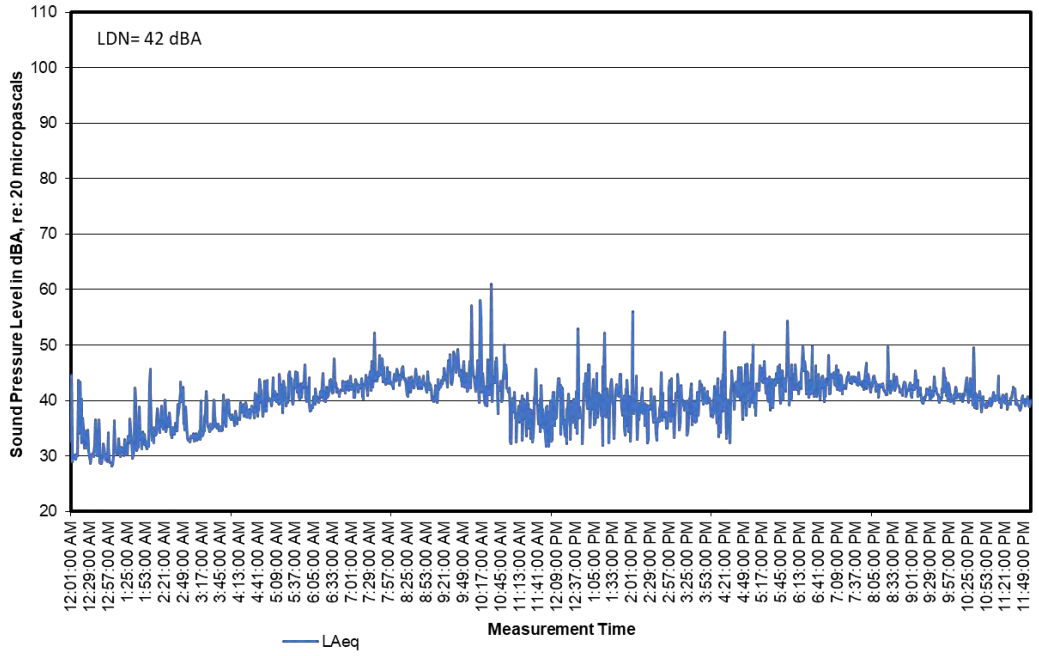
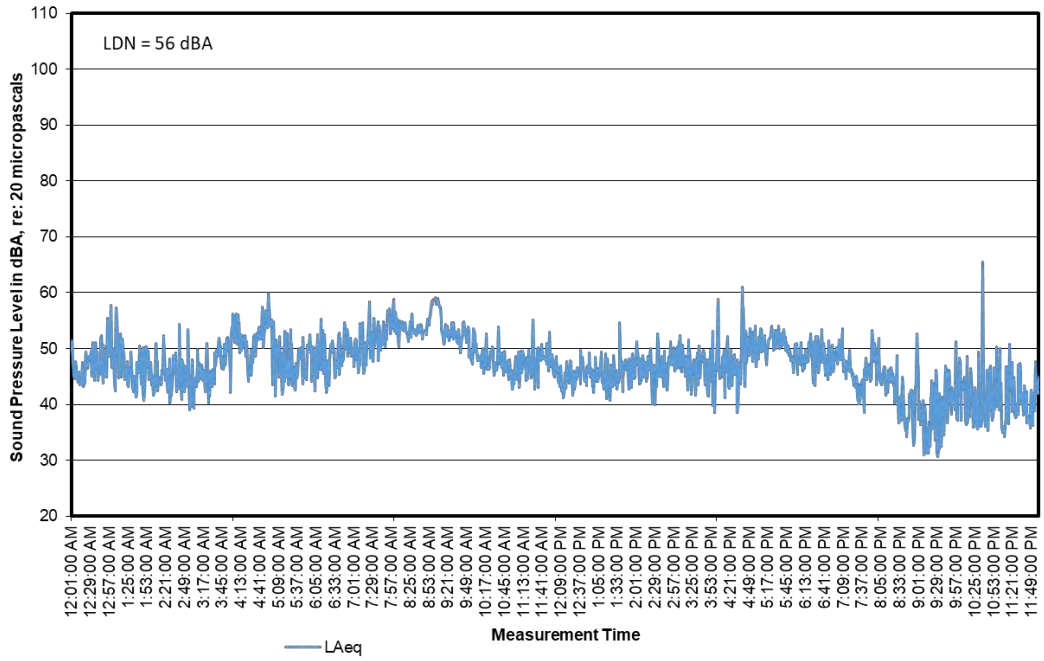
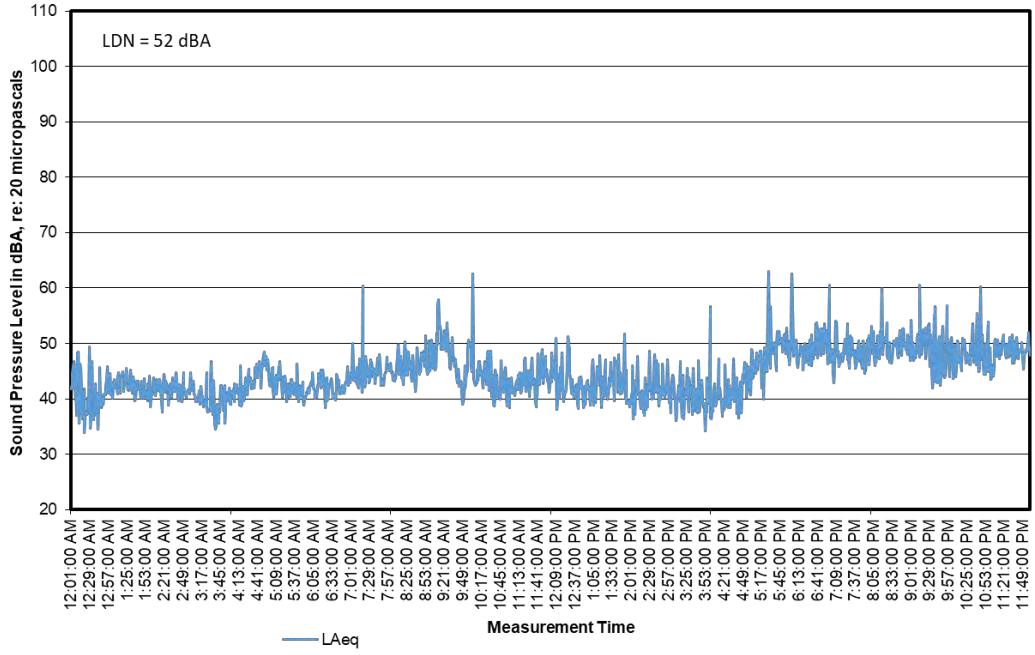
January 2, to January 3, 2023



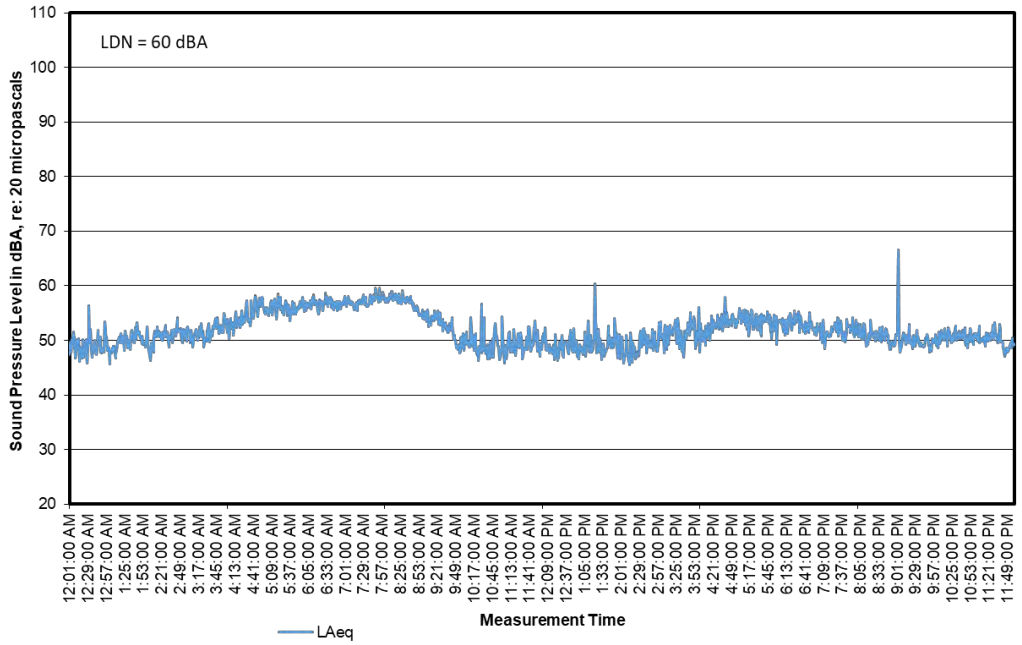
Solariant Solar
Location : Red Svantek
December 17, to December 18, 2022



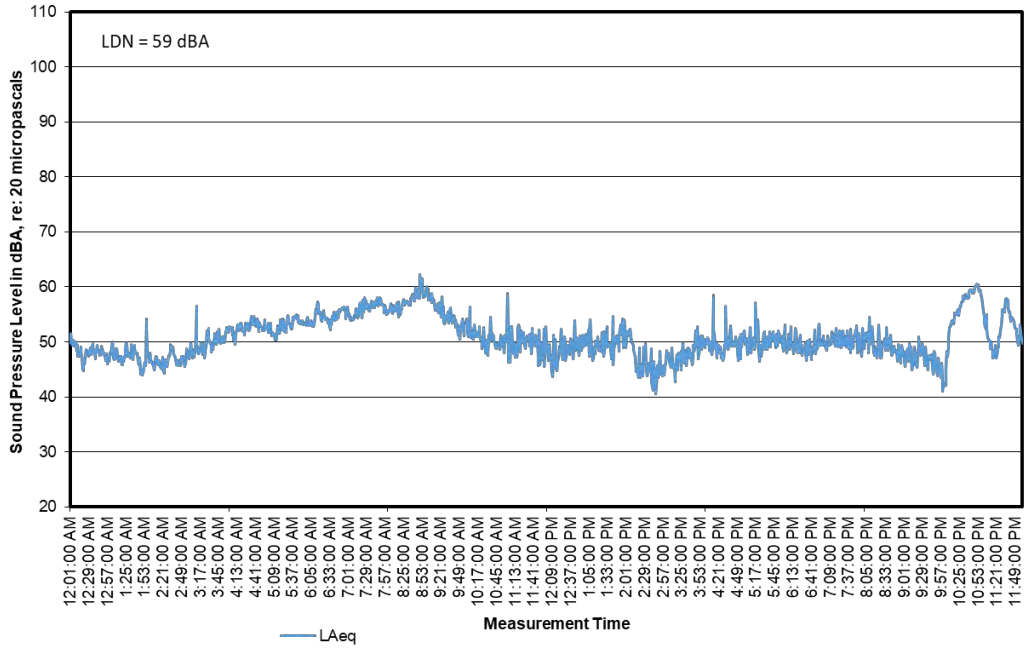
Solariant Solar
Location : Red Svantek
December 18, to December 19, 2022



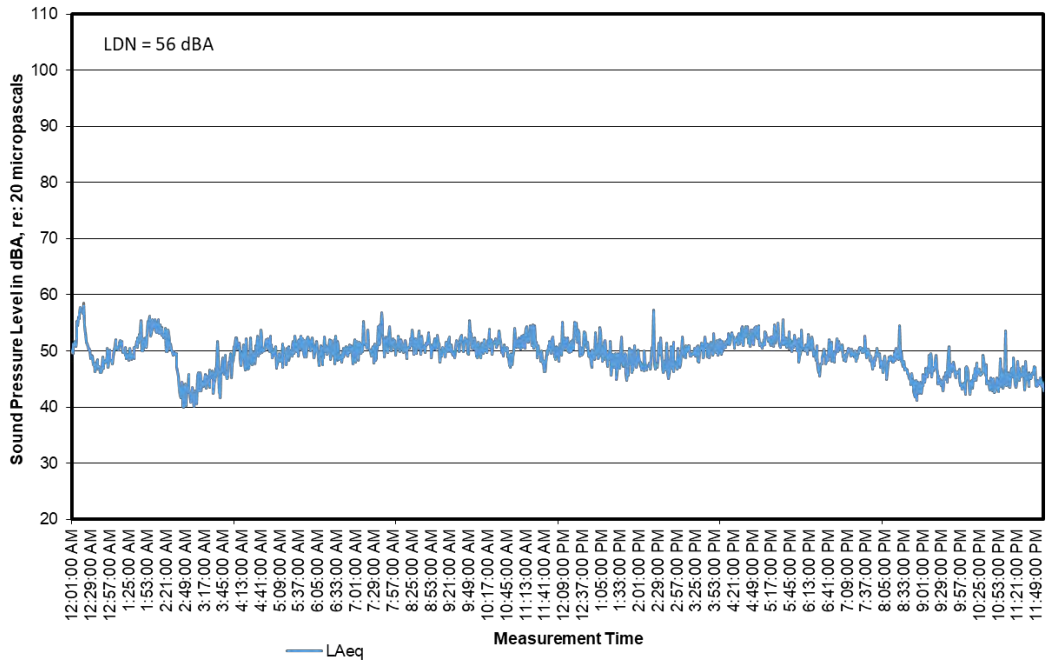
Solariant Solar
Location : Red Svantek
December 19, to December 20, 2022



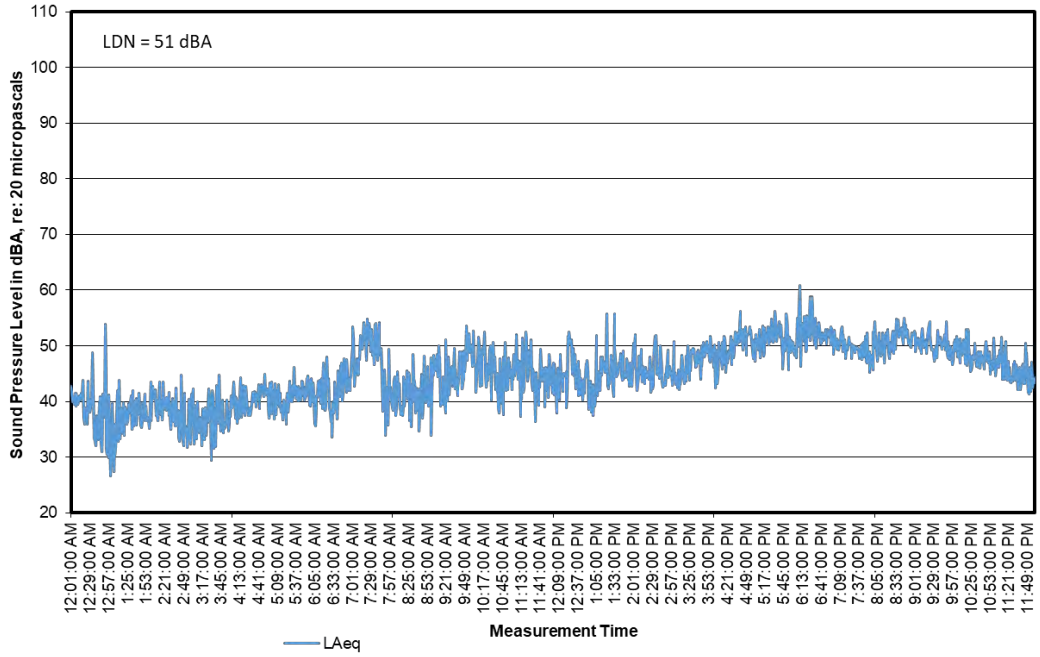
Solariant Solar
Location : Red Svantek
December 20, to December 21, 2022



Solariant Solar
Location : Red Svantek
December 21, to December 22, 2022



Solariant Solar
Location : Red Svantek
December 22, to December 23, 2022



APPENDIX B
SHORT TERM MEASUREMENTS

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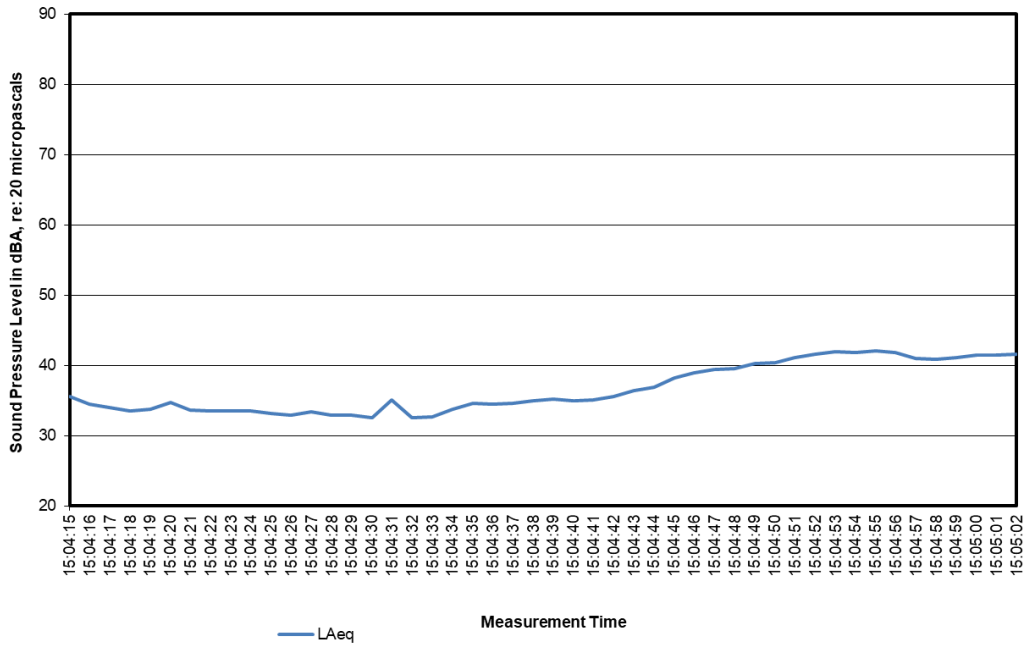
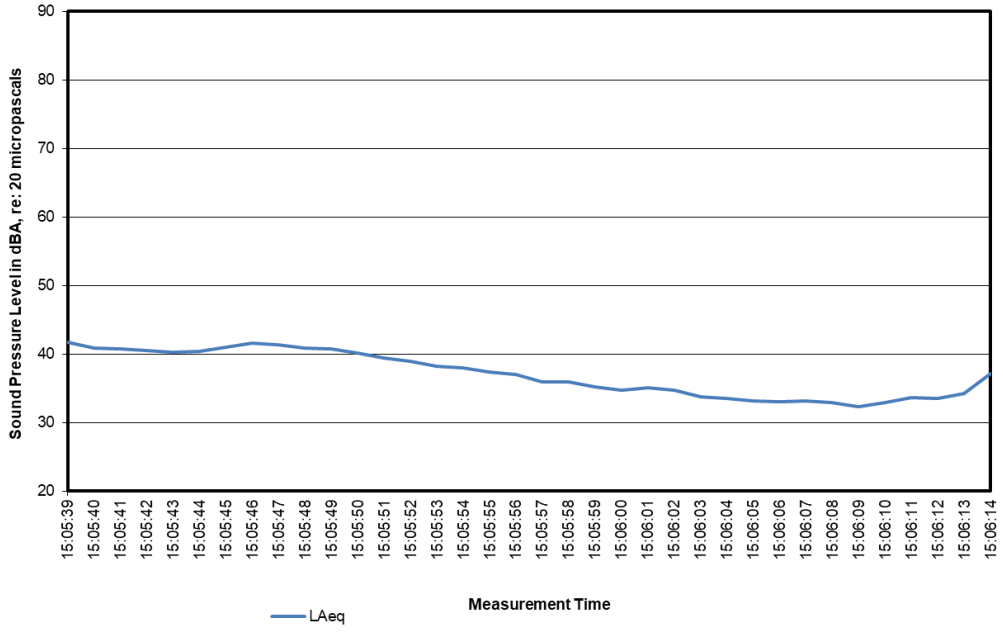
Solariant Solar
Location: R4
Insects, light breeze and distant cars



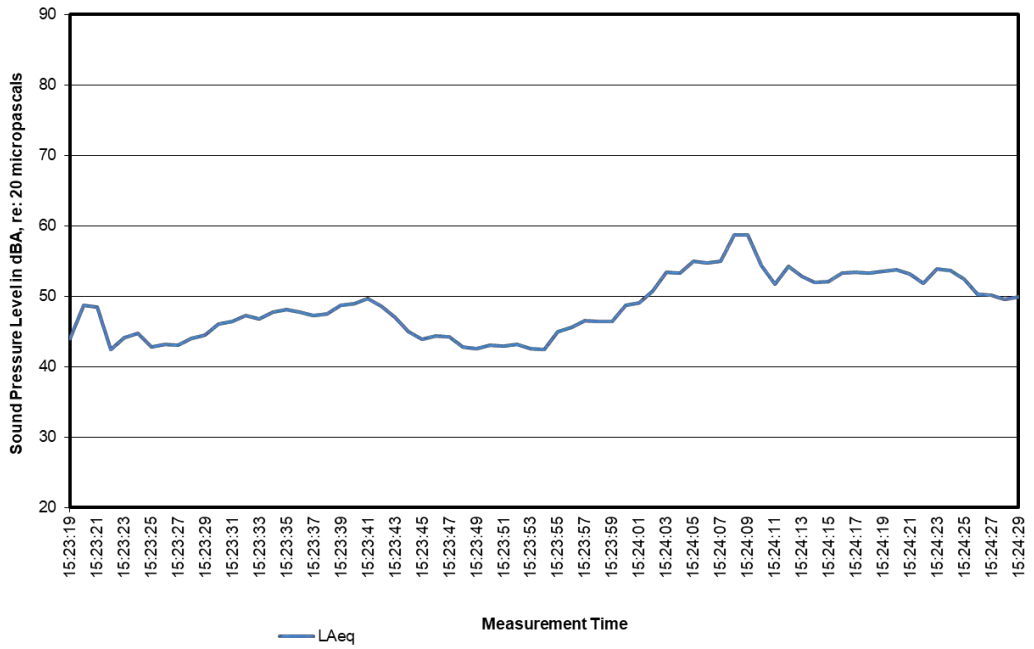
Solariant Solar
Location: R4
Insects, light breeze, birds and distant cars



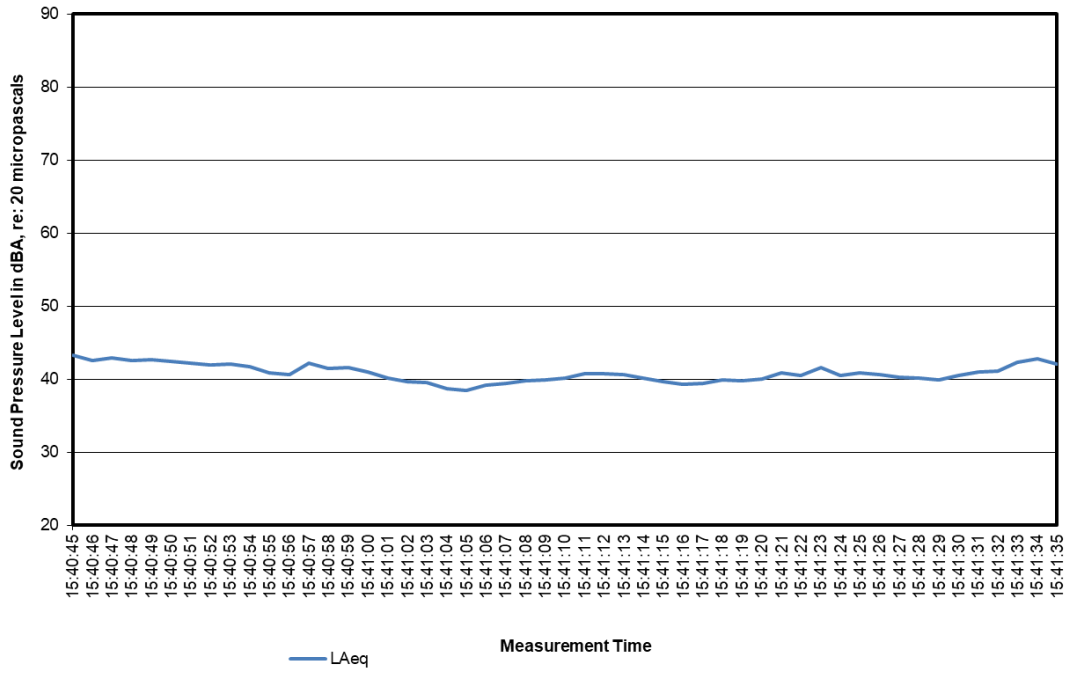
Solariant Solar
Location: R8
Light traffic on roads, insects and crows



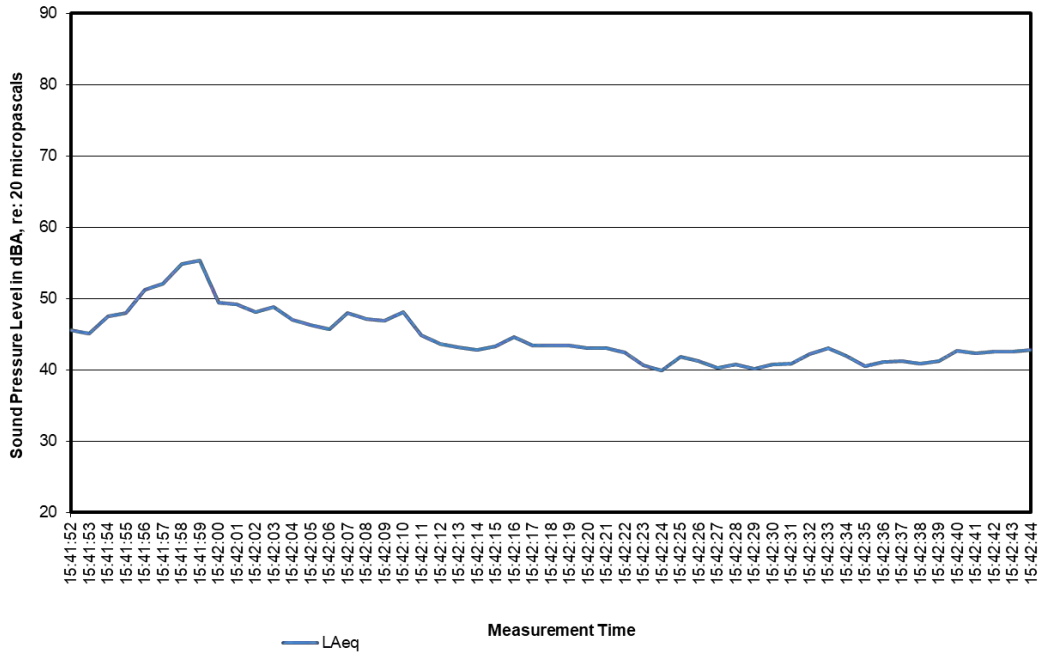
Solariant Solar
Location: R8
Light traffic on roads, insects, truck approaching and passes and crows



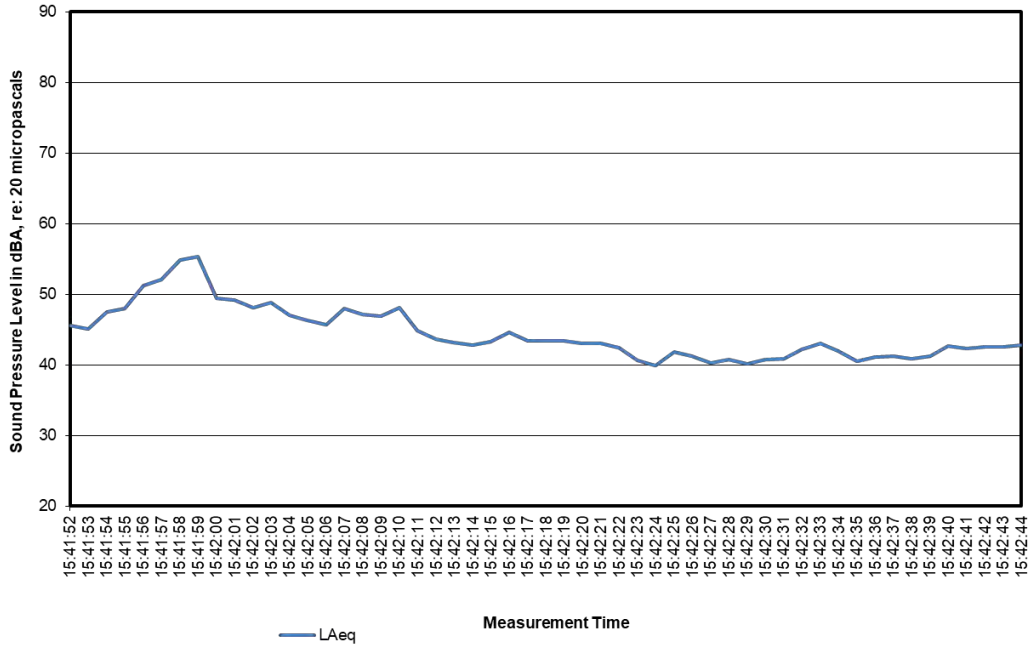
Solariant Solar
Location: Svantek 203 Blue
Farm truck idling, Light traffic on Peggy Road, insects and crows



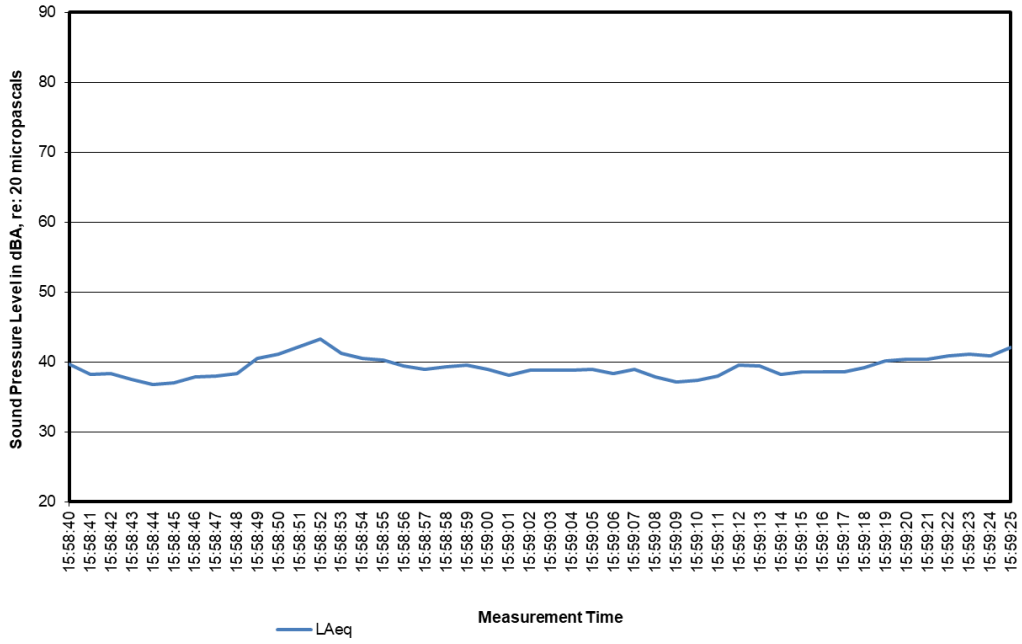
Solariant Solar
Location: Svantek 203 Blue
Pick-up Truck pass on Peggy Road, insects and birds in distance



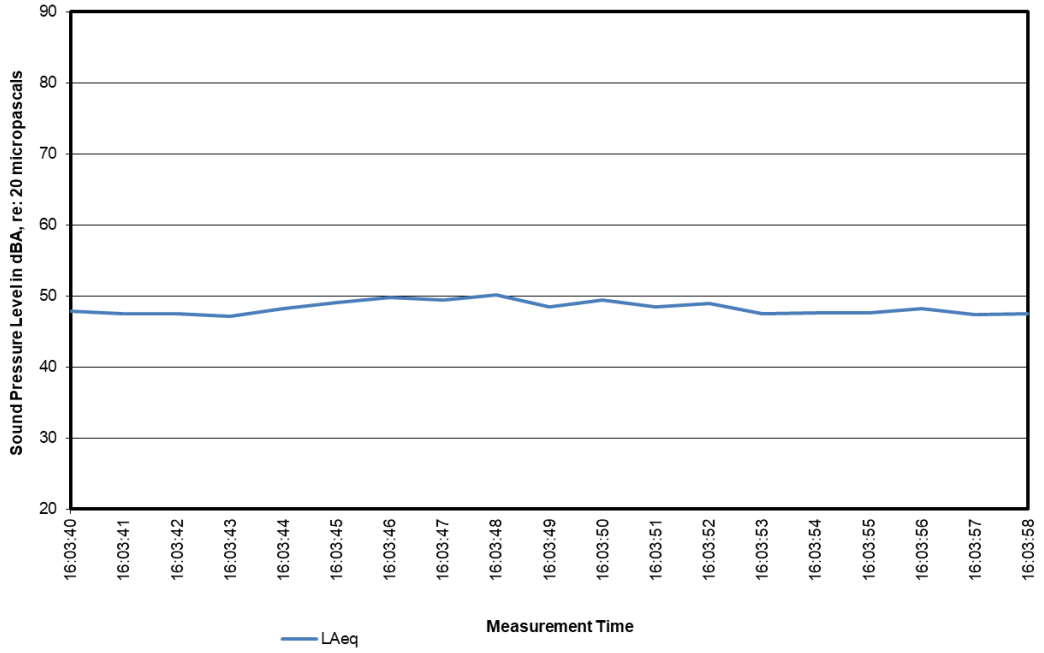
Solariant Solar
Location: Svantek 204 Red
Pick-up Truck pass on 173, insects and birds in distance



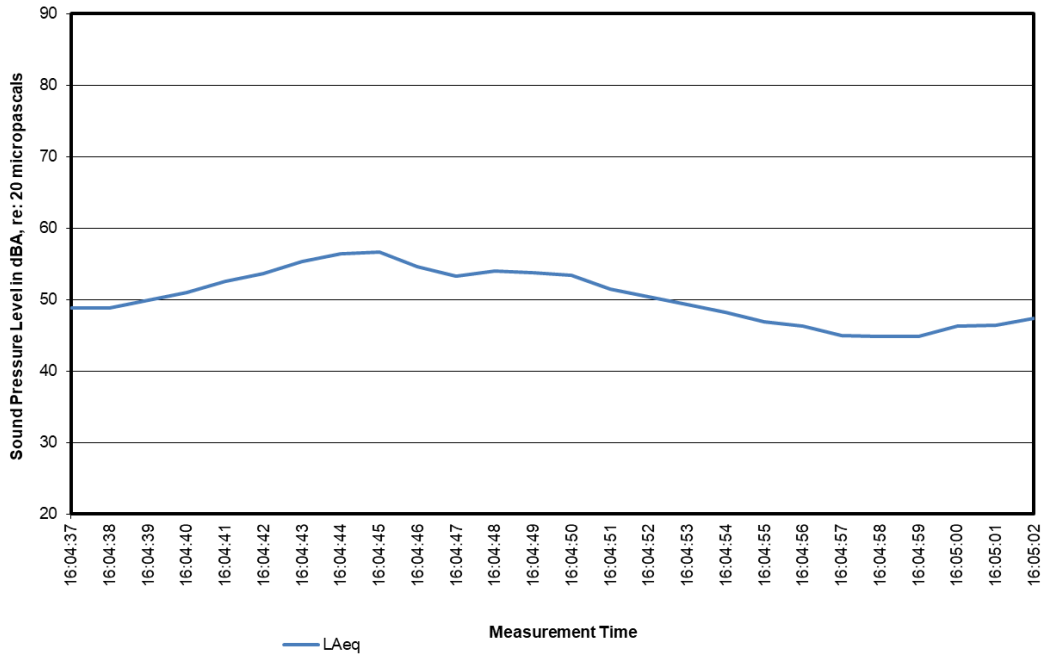
Solariant Solar
Location: Svantek 204 Red
Light traffic on 173, school bus passes and insects



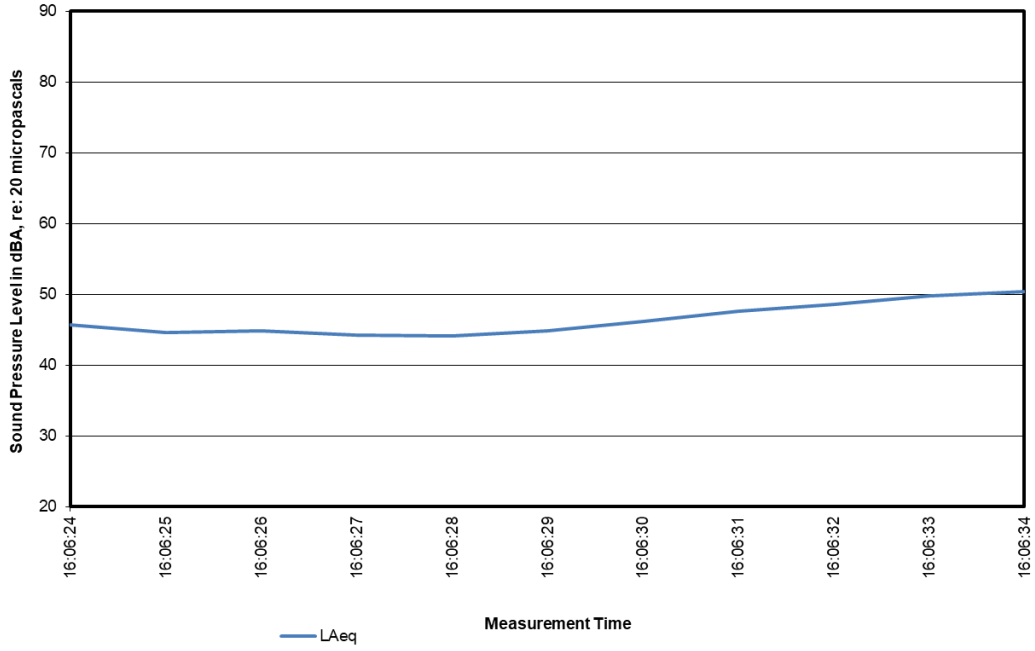
Solariant Solar
Location: Substation
20 ft East of Substation and distant traffic



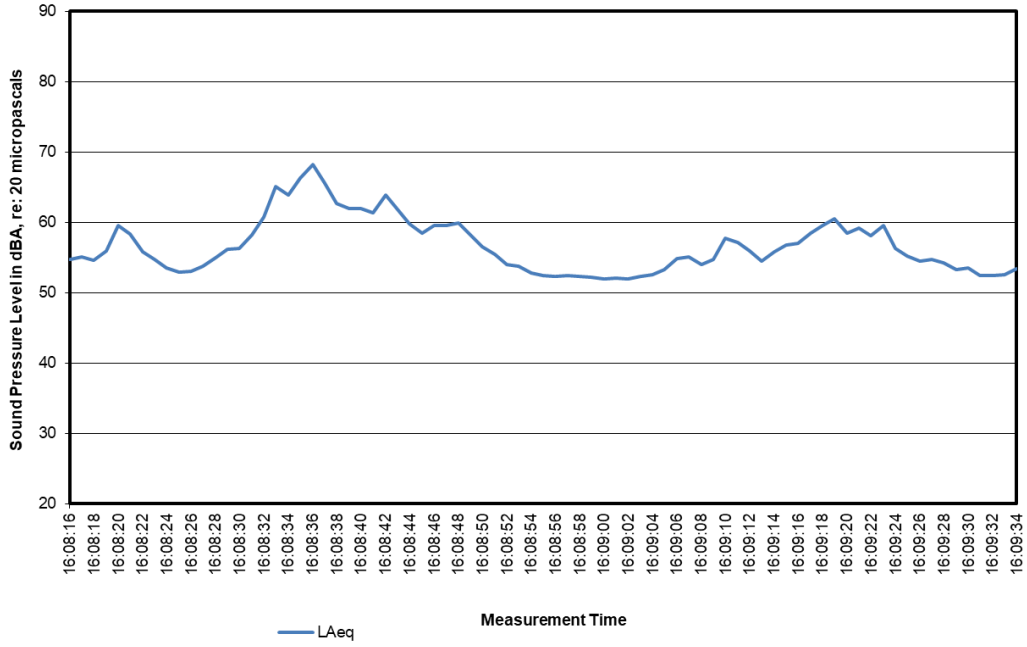
Solariant Solar
Location: Substation
20 ft North of Substation and distant traffic



Solariant Solar
Location: Substation
20 ft West of Substation and distant traffic



Solariant Solar
Location: Substation
20 ft South of Substation crows, cars pass and distant traffic



Solariant Capital, LLC
Pleasant Solar Project
Alachua County, FL

Wetland and Waterbody Delineation Report

Prepared For:



Solariant Capital, LLC
301 North Lake Ave, Suite 950
Pasadena, CA 91101

Prepared By:

TRC Environmental Corporation



TRC
Jacksonville, FL

December 2022

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Figure 2 – U.S. Topographic Map

Figure 3 – Aerial Map

Figure 4 – Soils Map

Figure 5 – Land Use and Vegetation Communities Map

Figure 6 – Hydrologic Resources Map

Figure 7 – Wetland and Waterbody Delineation Map

Appendix B – Wetland Data Sheets and Photographs

1.0 Introduction

1.1 Project Description and Location

TRC Environmental Corporation (TRC), was contracted by Solariant Capital, LLC (Solariant) to conduct a wetland and waterbody delineation for its Pleasant Solar Project (Project) site located southwest of the City of Alachua in Alachua County, Florida. The Project is situated north of Peggy Road, west of NW 173rd Street, and north and south of NW 138th Avenue and consists of three parcels totaling 325.6 acres, which are identified in Table 1 below. Two of the parcels are proposed for the solar facility and substation and lie within the limits of the City of Alachua. The third parcel is near the proposed point of interconnect (POI) to the existing electrical grid and is within unincorporated Alachua County. Solariant is proposing to construct a 74.9MW utility scale solar facility which will tie into Duke Energy Florida's (Duke) existing 69 kV line. The southern two parcels are currently being used for agricultural purposes. A site location map (Figure 1), United States Geological Survey (USGS) topo quadrangle map (Figure 2), and aerial map (Figure 3) are included in Appendix A to depict the location of the Project site.

Table 1: Pleasant Solar Project Site Parcels

Proposed Project Facility	Lot #	Parcel Owner	Acres
Solar Facility	3894	Waco Properties Inc.	285.3
Solar Facility	3898	Alspaugh Brown Trustee	35.34
Existing Substation	3897	Clay Electric	4.95
		Total	**325.59**

1.2 Project Purpose

The purpose of this wetland and waterway delineation was to map all wetlands and surface waters (rivers, streams, ponds, lakes, etc.) regardless of jurisdictional status within the Project Site. Documentation of the wetland and waterway features will be used for design and avoidance purposes, and the description of jurisdictional areas lends itself towards assessing regulated buffers and implementing setbacks. Specific tasks performed include a field delineation of all potential state and federal jurisdictional areas within the Site, a subsequent mapping survey of jurisdictional area boundaries utilizing a handheld Global Positioning System (GPS) with sub-meter accuracy, and a detailed description of jurisdictional areas based on hydrology, vegetation, and soils data collected in the field. All features documented during the site visit are included in this report.

2.0 Regulatory Authorities

2.1 Waters of the United States

As defined by the United States Army Corps of Engineers (USACE), Waters of the United States (WOTUS) include all lakes, ponds, streams (intermittent and perennial), and wetlands regulated under Sections 401 and 404 of the Clean Water Act. Wetlands are defined as "Those

areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (40CFR 230.3). In order for an area to be classified as wetland, hydrophytic vegetation, hydric soils, and wetland hydrology indicators must be present.

The USACE also regulates navigable waters under Section 10 of the Rivers and Harbor Act (33 U.S.C. 401 et seq.). Permits are required by the USACE for activities that involve construction of any structure in or over any jurisdictional WOTUS, as well as any proposed action that would alter or disturb these waters such as excavation/dredging or deposition of materials.

On January 23, 2020, the U.S. Environmental Protection Agency (EPA) and the U.S. Army Corps of Engineers (USACE) finalized the Navigable Waters Protection Rule (NWPR) to define "waters of the United States" (WOTUS), which are protected under the Clean Water Act. This rule outlines four clear categories of waters that are considered WOTUS and 11 categories that are not WOTUS. Table 1 below summarizes the resources that are included and excluded from the definition of WOTUS.

Table 2. Jurisdictional Waters of the U.S. as Defined in the Navigable Waters Protection Rule
Jurisdictional WOTUS Includes:
Territorial seas and traditional navigable waters (TNWs)
Tributaries, which include perennial and intermittent rivers and streams that contribute surface flow to traditional navigable waters in a typical year;
Lakes, ponds, and impoundments of jurisdictional waters where they contribute surface water flow to a TNW a typical year either directly or through other "waters of the United States," through channelized non-jurisdictional surface waters, through artificial features (including culverts and spillways), or through natural features (including debris piles and boulder fields).
Adjacent wetlands • Wetlands that physically touch other jurisdictional waters are "adjacent wetlands," such as Horicon Marsh along the Rock River in Wisconsin. • Wetlands separated from a "water of the United States" by only a natural berm, bank or dune are also "adjacent." • Wetlands inundated by flooding from a "water of the United States" in a typical year are "adjacent." • Wetlands that are physically separated from a jurisdictional water by an artificial dike, barrier, or similar artificial structure are "adjacent" so long as that structure allows for a direct hydrologic surface connection between the wetlands and the jurisdictional water in a typical year, such as through a culvert, flood or tide gate, pump, or similar artificial feature. • An adjacent wetland is jurisdictional in its entirety when a road or similar artificial structure divides the wetland, as long as the structure allows for a direct hydrologic surface connection through or over that structure in a typical year.
Non-jurisdictional Waters
Groundwater, including groundwater drained through subsurface drainage systems, such as drains in agricultural lands.
Ephemeral features that flow only in direct response to precipitation, including ephemeral streams, swales, gullies, rills, and pools.
Diffuse stormwater runoff and directional sheet flow over upland.
Ditches that are not traditional navigable waters, tributaries, or that are not constructed in adjacent wetlands, subject to certain limitations.
Prior converted cropland
Artificially irrigated areas that would revert to upland if artificial irrigation ceases.
Artificial lakes and ponds that are not jurisdictional impoundments and that are constructed or excavated in upland or non-jurisdictional waters.
Water-filled depressions constructed or excavated in upland or in non-jurisdictional waters incidental to mining or construction activity, and pits excavated in upland or in non-jurisdictional waters for the purpose of obtaining fill, sand, or gravel.
Stormwater control features constructed or excavated in upland or in non-jurisdictional waters to convey, treat, infiltrate, or store stormwater run-off.
Groundwater recharge, water reuse, and wastewater recycling structures constructed or excavated in upland or in non-jurisdictional waters.
Waste treatment systems
Source: 2018 Clean Water Rule (Federal Register/ Volume 80, No. 124)

2.2 Florida Wetland and Stream Regulations

The definition of regulated wetlands in Florida, defined in Section 373.019(27) Florida Statutes (FS), and subsection 62-340.200(19), Florida Administrative Code (FAC), is similar to the federal definition, except that Florida wetlands generally do not include longleaf or slash pine flatwoods with an understory dominated by saw palmetto (F.S., 2018). Waters of the state are defined in Section 373.414, F.S, and subsection 62-340.200 (2) and shall be the more landward of the following:

- Wetlands as defined by Rule 62-340.300, F.A.C.
- The mean high-water line elevation for tidal water bodies
- The ordinary high-water line for non-tidal natural water bodies
- The top of the bank for artificial lakes, borrow pits, canals, ditches, and other artificial waterbodies with side slopes of 1 foot vertical to 4 feet horizontal or steeper, excluding spoil banks when the canals and ditches have resulted from excavation into the ground, or
- The seasonal high-water line for artificial lakes, borrow pits, canals, ditches, and other artificial water bodies with side slopes flatter than 1 foot vertical to 4 feet horizontal along with any artificial water body created by diking or impoundment above the ground.

Development activities in Florida state wetlands and surface waters are regulated under Chapter 62-330 FAC, which is principally administered by the Florida Department of Environmental Protection (FDEP) through the Environmental Resource Permit (ERP) process. An ERP permit is required for impacts to wetlands and waters as well as for development of stormwater management systems in Florida.

3.0 Project Setting

3.1 Resources

A number of resources were reviewed and utilized in support of the delineation, including USGS topographic mapping (1983 State Plane High Springs Florida Quadrangle) (USGS, 2010) (Figure 2, Appendix A), National Wetlands Inventory (NWI) mapping (USFWS, 2022) (Figure 6, Appendix A), United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), Alachua County Soil Survey (USDA, NRCS, 198), USDA NRCS Web Soil Survey (USDA, NRCS, 2022) (Figure 4, Appendix A), the NRCS hydric soil list (USDA, NRCS, 2018), the USGS National Hydrography Dataset (NHD) (USGS, 2017a), recent aerial photography (Google Earth, 2022), and Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) number 12057C0332J, (FEMA, 2020) (Figure 5, Appendix A).

3.2 Physiographic and Ecological Region

The Project is located within the Southern Coastal Plain Major Land Resource Area (MLRA) physiographic region, within the South Atlantic and Gulf Slope Cash Crops, Forest, and Livestock Region of the Coastal Plain Province of the Atlantic Plain. This MLRA consists of generally smooth Atlantic and Gulf Coast marine terraces and the hilly piedmont area. Elevation ranges from 80 to 655 feet, on the coastal plain and from 20 to 200 feet in the piedmont. The average

annual precipitation for this area is about 44 to 63 inches. The precipitation falls almost entirely as rainfall during frontal storms in late fall, winter, and early spring; as rainfall occurring as convective storms during the growing season; and as heavy rainfall produced by tropical storms. (USDA, NRCS 2006)

The geologic material in this area consists of very thick deposits of sandy to clayey marine sediments on the coastal plain and Precambrian and Paleozoic metamorphic and igneous rocks in the piedmont. Abundant moisture and a long growing season favor agricultural production in this region. If crops are to be grown, artificial drainage typically is needed to lower the water table on the lower marine terraces. (USDA, NRCS, 2006)

About 97 percent of the land in the Southern Coastal Plain is privately owned. The native vegetation consists of oak-pine forests. The diverse array of crops includes cotton, soybeans, peanuts, corn, rice, sugarcane, and wheat. (USDA, NRCS, 2006)

3.3 Soils

Soil survey maps prepared by the USDA NRCS were reviewed prior to conducting the delineation fieldwork to determine the extent of mapped hydric soils within the Project site. Nine soil types occur within the Project site: Arredondo fine sand 0 to 5 percent slopes, Fort Meade fine sand, Millhopper sand, Lochloosa fine sand, Kendrick sand, Gainesville sand, Lake fine sand, Arredondo fine sand 5 to 8 percent slopes, and Bivans sand. According to the National List of Hydric Soils prepared by the USDA NRCS (2018), none of the soil types mapped within the Project Site are classified as predominantly hydric (i.e., greater than 90 percent hydric). Figure 4 (Appendix A) depict the soil types within the Project limits. Descriptions of all the mapped soils occurring on the Project site are provided in Table 2 below.

Table 3. Soils Mapped on the Project Site

Map Unit Symbol	Mapped Unit Name	Drainage Class	Prime Farmland	Percent Hydric	On-Site Acres
3	Arredondo fine sand, 0 to 5 percent slopes	Well drained	Not prime farmland	0	172.09
5	Fort Meade fine sand, 0 to 5 percent slopes	Well drained	Not prime farmland	0	45.90
8	Millhopper sand, 0 to 5 percent slopes	Moderately well drained	Not prime farmland	1	20.35
29	Lochloosa fine sand, 2 to 5 percent slopes	Somewhat poorly drained	Not prime farmland	0	8.09
30	Kendrick sand, 2 to 5 percent slopes	Well drained	Not prime farmland	0	23.85
35	Gainesville sand, 0 to 5 percent slopes	Well drained	Not prime farmland	0	34.84
58	Lake fine sand, 0 to 5 percent slopes	Excessively drained	Not prime farmland	0	0.87
69	Arredondo fine sand, 5 to 8 percent slopes	Well drained	Not prime farmland	0	16.38

Map Unit Symbol	Mapped Unit Name	Drainage Class	Prime Farmland	Percent Hydric	On-Site Acres
76	Bivans sand, 5 to 8 percent slopes	Poorly drained	Not prime farmland	20	3.22
				Total	**325.59**
Source: USDA, NRCS, 2022					

The **Arredondo fine sand, 0 to 5 percent slopes (3)** series consists of nearly level to gently sloping, well drained soils. that formed from sandy and loamy marine sediments. Slopes are smooth to convex, and these soils tend to occur in areas which are irregular in size and range from 10 to 160 acres. Limestone boulders, fragments of limestone, and sinkholes are in some areas of this soil, mainly in the limestone plain sections of the western part of the county. Organic matter content is low, and the water table is at a depth of more than 72 inches. (USDA, NRCS, 1982; USDA, 2018).

The **Fort Meade fine sand (5)** series consists of very deep, well drained, rapidly permeable soils that formed in moderately thick beds of loamy sand on gently rolling uplands of the lower Coastal Plain. Included with this soil in mapping are small areas of Arredondo, Gainesville, Kendrick, and Millhopper soils. The available water capacity is low to medium, and the permeability is rapid. The natural fertility is low, and the water table is at a depth of more than 72 inches. (USDA, NRCS, 1982; USDA, 2013).

The **Millhopper sand (8)** consists of very deep, moderately well drained, moderately permeable soils that formed in thick beds of sandy and loamy marine sediments. They occur on slightly rolling knolls in the broad flatwoods of central and southern Florida. Slopes range from 0 to 8 percent and are slightly convex. This soil has severe limitations for most cultivated crops. The water table is at a depth of 40 to 60 inches for 1 to 4 months and at a depth of 60 to 72 inches for 2 to 4 months during most years. (USDA, NRCS, 1982; USDA, 2018).

The **Lochloosa fine sand (29)** consists of somewhat poorly drained, slowly permeable soils formed in thick beds of sandy and loamy marine sediments in central Florida. Slopes range from 0 to 8 percent. These soils have moderate limitations for most cultivated crops. The water table is at a depth of 30 to 40 inches for 1 to 4 months during most years and rises to a depth of 20 to 30 inches for 1 to 3 weeks. (USDA, NRCS, 1982; USDA, 2001).

The **Kendrick sand (30)** consists of well drained, slowly to moderately slowly permeable soils formed in thick beds of loamy marine sediments on nearly level to sloping areas in the Coastal Plain. Slopes range from 0 to 8 percent. Sinkholes and limestone boulders occur in some areas. This soil has moderate limitations for cultivated crops because of the hazard of erosion. The water table is more than 72 inches below the surface. (USDA, NRCS, 1982; USDA, 2018).

The **Gainesville sand (35)** consists of well drained, rapidly permeable soils formed in thick beds of sandy marine deposits. They are on nearly level to strongly sloping uplands in the lower Coastal Plain. Slopes range from 0 to 15 percent. Sinkholes and limestone boulders occur in some areas. This soil has moderate limitations for cultivated crops because of the hazard of erosion. The water table is more than 72 inches below the surface. (USDA, NRCS, 1982; USDA, 2018).

The **Lake fine sand (58)** consists of excessively drained, rapidly to very rapidly permeable soils formed in thick beds of sand. They are on nearly level to steep slopes in central Florida. Slopes range from 0 to 30 percent. This soil has very severe limitations for cultivated crops and moderately well suited to improved pasture. The water table is more than 72 inches below the surface. (USDA, NRCS, 1982; USDA, 2018).

The **Arredondo fine sand, 5 to 8 percent slope (69)** series consists of nearly level to gently sloping, well drained soils, that formed from sandy and loamy marine sediments. Slopes are smooth to convex, and these soils tend to occur in areas which are irregular in size and range from 10 to 160 acres. Limestone boulders, fragments of limestone, and sinkholes are in some areas of this soil, mainly in the limestone plain sections of the western part of the county. Organic matter content is low, and the water table is at a depth of more than 72 inches. (USDA, NRCS, 1982; USDA, 2018).

The **Bivans sand (76)** series consists of very deep, poorly drained, slowly or very slowly permeable soils on the rolling uplands of central Florida. They formed in thick beds of clayey and sandy marine sediments in central Florida. Near the type location, the mean annual precipitation is about 55 inches. Slopes range from 0 to 12 percent. (USDA, NRCS, 1982; USDA, 2019).

3.4 Topography and Hydrology

The elevation on site ranges from 75 to 100 feet above sea level (USGS 7.5-minute quad maps: High Springs Florida) (USGS, 1983).

The site is located in the Waccasassa watershed (Hydrologic Unit Code 8 [HUC] 03110101) (FDEP, 2021).

The NWI map (USFWS, 2020) identified two wetlands within the project site: two Palustrine Emergent Wetlands (PEM). The NWI wetlands are depicted on Figure 6 (Appendix A).

According to the FEMA FIRM, the project site is outside of a 100-year floodplain (FEMA, 2018).

4.0 Land Use and Vegetation Communities

A team of TRC ecologists conducted a field evaluation of the site from May 25 to May 27, 2022. As part of this evaluation, TRC characterized and mapped the land cover and vegetation communities on the site using the Florida Land Use Cover and Forms and Classification System (FLUCFCS) (FDOT, 1999). The land cover types delineated by TRC on the site are shown on Figure 5 and listed in Table 3.

Table 4. Field Verified Land Use and Vegetation Communities on the Project Site

FLUCFCS ID	Description	Acres	Percent of Site
1110	Low Density Fixed Single Family Units	0.40	0.12
2140	Row Crops	124.02	38.09
2153	Hay Fields	84.51	25.96

FLUCFCS ID	Description	Acres	Percent of Site
2600	Other Open Lands (Rural)	5.28	1.62
2610	Fallow Cropland	16.6	5.10
4140	Pine-Mesic Oak	0.94	0.29
4200	Upland Hardwood Forests	89.83	27.59
8315	Electrical Power Substations	3.82	1.17
8320	Electrical Power Transmission Lines	0.19	0.06
	Total	325.59	

Nine land cover types were identified on the site: low density fixed single family units, row crops, hay fields, other open lands (rural), fallow cropland, pine-mesic oak, upland hardwood forests, electrical power substations, and electrical power transmission lines. Descriptions of each community type are provided below.

1110- Low Density Fixed Single Family Units
Approximately 0.40 acres (0.12 percent) of the Site consists of low density fixed single family units.

2140- Row Crops
Approximately 124.02 acres (38.09 percent) of the Site consists of row crops. These areas appear to have been planted with corn which had been recently harvested.

2153- Hay Fields
Approximately 84.51 acres (25.96 percent) of the Site is newly planted hay fields.

2600 – Other Open Lands (Rural)
Approximately 5.28 acres (1.62 percent) of the site consists of other open lands used for agricultural purposes. There is a large barn, pump house, and diesel tank within this area.

2610- Fallow Cropland
Approximately 16.6 acres (5.10 percent) of the Site consists of fallow cropland. This area has been taken over by weeds.

4140- Pine-Mesic Oak
Approximately 0.94 acres (0.29 percent) of the Site is pine-mesic oak forest consisting primarily of Slash pine (*Pinus elliottii*), Laurel oak (*Quercus laurifolia*), water oak (*Quercus nigra*), live oak (*Quercus virginiana*), hickories (*Carya spp.*), dog fennel (*Eupatorium capillifolium*) and greenbriers (*Smilax spp.*).

4200- Upland Hardwood Forests
Approximately 89.83 acres (27.59 percent) of the Site is upland hardwood forests consisting primarily of black cherry (*Prunus serotina*), Darlington's oak (*Quercus hemisphaerica*), laurel oak (*Quercus laurifolia*), water oak (*Quercus nigra*), live oak (*Quercus virginiana*), sweetgum (*Liquidambar styraciflua*), hickories (*Carya spp.*), American beauty berry (*Callicarpa*

americana), saw greenbrier (*Smilax bona-nox*), and Virginia creeper (*Parthenocissus quinquefolia*).

8315- Electrical Power Substations

Approximately 3.82 acres (1.17 percent) of the site is an existing electrical power substation. The substation is owned by Clay Electric Cooperative and is located on the northern Project parcel.

8320- Electrical Power Transmission Lines

The Project site contains about 0.19 acres (0.06 percent) of electrical power transmission lines. These are located on the northern Project parcel owned by Clay Electric Cooperative.

5.0 Methodology

TRC wetland ecologists conducted field investigations on the site from May 25 to May 27, 2022, to identify wetlands, waterbodies, and other surface waters. The methodology used in wetlands and streams are described in the following sections.

5.1 Wetland Delineation

Surveys were performed in accordance with criteria set forth in the USACE 1987 Wetlands Delineation Manual (USACE, 1987) and the 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0) (USACE, 2010). Data were collected at sample plots in each delineated wetland and were recorded on USACE Routine Wetland Determination forms (Appendix B). Following the delineation of each waterway and wetland, boundary flags and wetland and upland data points were collected and mapped using a Geode GNSS receiver with sub-meter accuracy paired with a Samsung Galaxy Tab E tablet. These points were then connected by GIS staff to generate lines and polygons of the delineated features. The features were added as layers onto projected Esri basemaps (topographic and aerial imagery) to create maps used to illustrate the location and size of the delineated wetlands and waterways. These maps are incorporated into the wetland delineation report and may be used in future agency consultations, permit applications and plans.

Hydrophytic vegetation was assessed by identifying plant species and their assigned wetland indicator rating of obligate, facultative wet, facultative, facultative upland, and upland according to the 2018 National Wetland Plant List (USACE, 2018). Vegetation in both upland and wetland communities was characterized using the areal dominance method, with a radius of 30-feet around the soil sample location for trees, 15-feet radius for saplings and shrubs, and 5 feet for herbaceous plants.

Hydric soil indicators were determined according to the USDA NRCS (2018) Field Indicators of Hydric Soils in the U.S., using soil characteristics such as color matrix, hue, evidence of redox features which may include indicators such as saturation, gleyed matrix, mottling, hydrogen sulfide odor, and organic/peat layers present. Soil test pits were dug using a shovel to a depth of approximately 20-inches or refusal due the presence of hard pan layer, rock, or hard fill materials. Soil color was described using the Munsell Color book (Munsell Color, 2010), texture using USDA hand-texture methods and the presence/absence of redoximorphic features, including depletions and concentrations, was recorded.

Hydrology was determined based on a number of indicators that are divided into two categories, primary and secondary. The USACE manual (USACE, 1987) and Atlantic and Gulf Coastal Plain Regional Supplement (USACE, 2010) defines hydrology as present when at least one primary indicator or two secondary indicators are identified. One primary indicator is sufficient to determine if hydrology is present; however, if these are absent then two or more of the secondary indicators are required to determine hydrology. If other probable hydrology evidence was found, then this was subsequently documented on the data sheet. Representative photographs were taken of each delineated wetland community and are included in Appendix E with the USACE upland and wetland data sheets.

5.2 Waterbody Delineation

Waterbodies including streams, channels, drainageways, and ponds identified during field surveys were delineated and characterized. The centerline of streams and channels and outer limits of ponds were delineated and located with a Geode GNSS receiver with sub-meter accuracy paired with a Samsung Galaxy Tab E tablet. Streams and other surface waters were characterized by standard measurements such as bank height and stability, channel width and substrate, and direction/presence of water flow.

6.0 Results

6.1 Wetlands

Approximately 0.158 acres of wetlands were delineated and assessed within the northernmost and southernmost parcels of the Project site, as shown on Figure 7 in Appendix A. Table 4 below summarizes the wetland acreages by wetland types. The PSS wetland is an isolated depression within a sinkhole located in the upland hardwoods forest. The PEM wetland is an isolated swale located adjacent to the existing substation. The PSS wetland is associated with an NWI mapped wetland (PEM1F). Of the 0.158 acre of wetlands, 0.12 acre (0.04 percent) are scrub/shrub, and 0.038 acre (0.01 percent) are herbaceous.

Table 5: Wetlands Delineated on the Project Site

Wetland Type	Acreage	Percentage of Wetland Type in Project Area
PSS	0.12 acres	0.04%
PEM	0.038 acres	0.01%
Total	**0.158 acres**	

Wetland Type: PEM= Palustrine emergent wetland, PSS = Palustrine scrub/shrub wetland, PFO = Palustrine forested wetland, PUB= Palustrine unconsolidated bottom (Cowardin, 1979).

Common shrub species in the wetlands include Carolina willow (*Salix caroliniana*), Sweet bay (*Magnolia virginiana*), and cabbage palm (*Sabal palmetto*). Common herbaceous species within the PEM wetland include southern water grass (*Luziola fluitans*), common spike-rush (*Eleocharis palustris*) and Herb-of-Grace (*Bacopa monnieri*).

Typical primary hydrologic indictors observed in the wetlands include the presence of surface water, soil saturation, and inundation visible on aerial imagery. Commonly observed secondary indicators include drainage patterns, geomorphic position, and saturation visible on aerial imagery. The most common hydric soil indicator is depleted matrix.

Common tree species observed in the uplands include black cherry and Darlington's oak. Cabbage palm is the common shrub species in the forested uplands. American beauty berry, ebony spleenwort (*Asplenium platyneuron*), and English ivy (*Hedera helix*) are the common herbaceous species in the forested uplands. Virginia creeper and saw greenbrier was the dominant vine species observed in the uplands. Bahia grass (*Paspalum notatum*) and vasey grass (*Paspalum urvillei*) are the common herbaceous species observed in the non-forested uplands.

6.2 Waterbodies

TRC identified one non-jurisdictional drainage ditch within the upland hardwoods on the middle parcel. No streams or ponds were observed during the Project Site visit.

7.0 Summary and Recommendations

TRC ecologists conducted a wetland and waterbody delineation from May 25 to 27, 2022. During the site visit, TRC delineated two wetlands: a 0.12-acre PSS wetland and a 0.038-acre PEM wetland. TRC also delineated one non-jurisdictional drainage ditch. Non-jurisdictional drainage ditches are not regulated by the USACE or state of Florida and can be impacted with no permit or mitigation required. TRC recommends Solariant avoid all impacts to wetlands, wherever possible. If wetland impacts are unavoidable, a permit will be required. It is TRC's opinion that the wetlands on the Project site are not federally jurisdictional so a permit should not be needed from the USACE. Development activities in Florida state wetlands and surface waters are regulated under Chapter 62-330 FAC, which is administered by the Florida Department of Environmental Protection (FDEP) through the Environmental Resource Permit (ERP) process. An ERP permit would be required for any proposed impacts to the wetlands on the Project site. If impacts to wetlands are avoided, no ERP would be required; however, an ERP will be required for the development of a stormwater management system. The state of Florida regulates an average 25-foot buffer (15 foot minimum) around all wetlands. Since the Project is located within Alachua County, the Project must also adhere to the wetland setback requirements outlined in Chapter 77, Article II of the Alachua County Code. Alachua County regulates a 50-foot buffer (35-foot minimum) around all surface waters and wetlands less than or equal to 0.5 acre that do not include Outstanding Florida Waters or listed animal species. TRC anticipates both wetlands on the Project site will require a 50-foot buffer. However, the PSS wetland is located within a sinkhole and Alachua County requires a 75-foot buffer for all sinkholes. Therefore, the PSS wetland will require a 75-foot buffer.

8.0 References

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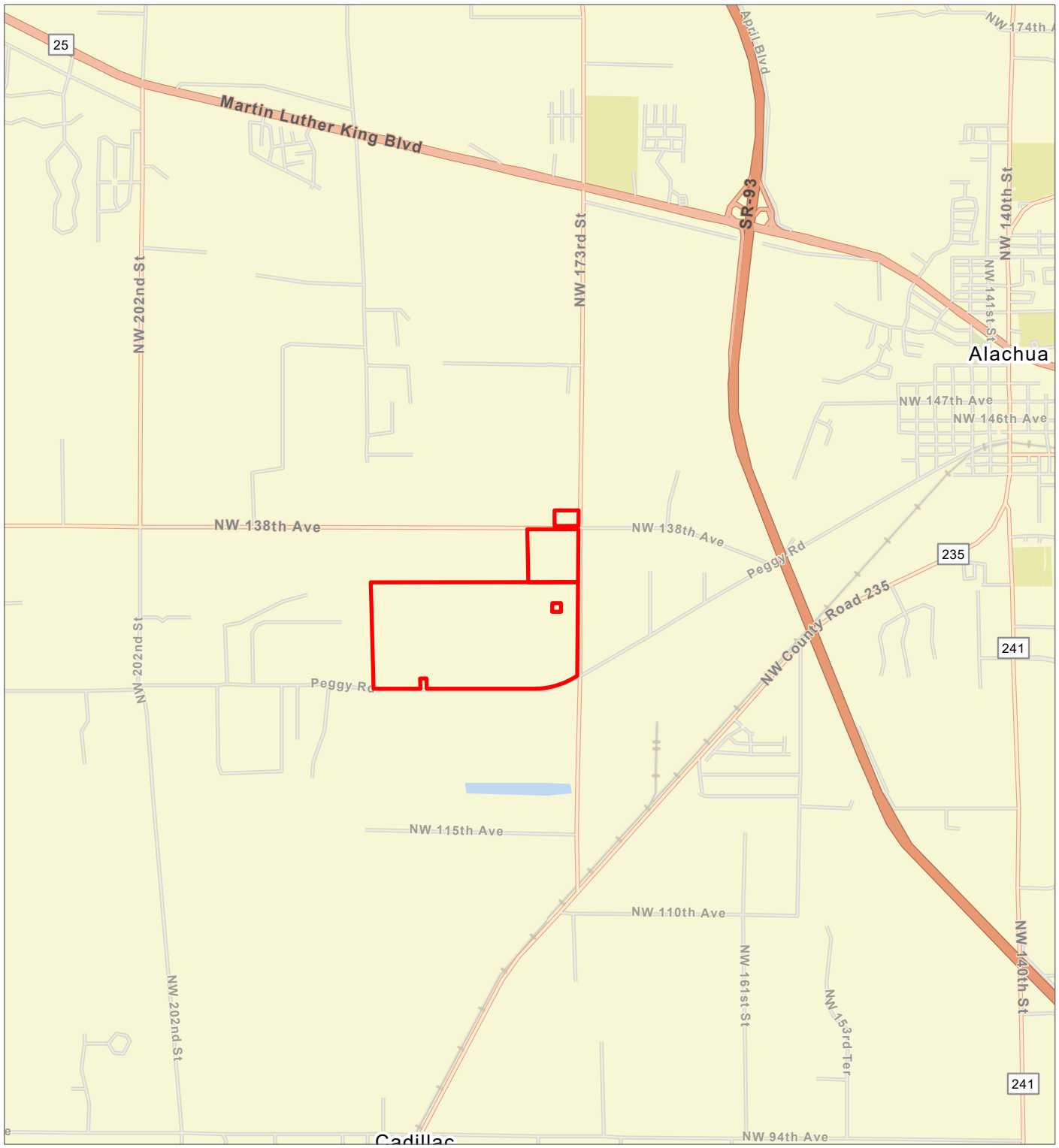
Appendix A
Figures



PROPERTY BOUNDARY

BASE MAP: ESRI WORLD STREET MAP
DATA SOURCES: TRC

N

0 1,000 2,000

FEET

1:48,000 1" = 4,000'



PROJECT: SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE: SITE LOCATION MAP

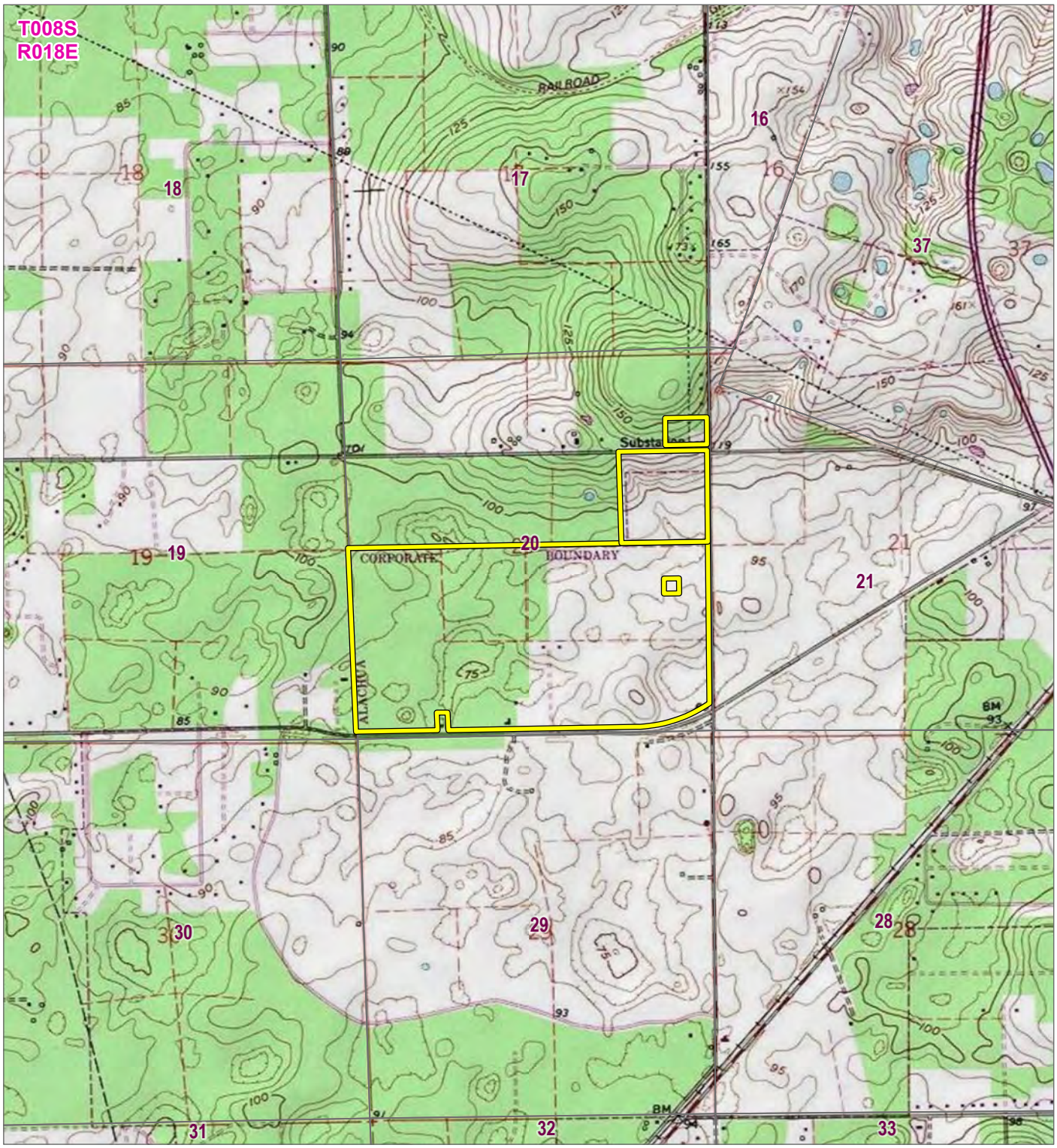
DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING		
APPROVED BY:	J. MANIKOWSKI		
DATE:	JUNE 2022		

FIGURE 1

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: PLEASANT_SOLAR_2022

COORDINATE SYSTEM: WGS 1984 WEB MERCATOR AUXILIARY SPHERE; MAP ROTATION: 0
-- SAVED BY: JWELCH ON 6/15/2022, 09:49:02 AM; FILE PATH: T:\1-PROJECTS\SOLARIANT\495474_PLEASANT_SOLAR\2-APRX\PLEASANT_SOLAR_2022.APRX; LAYOUT NAME: FIG 1 SITE LOCATION MAP



PLEASANT SOLAR PARCELS

BASE MAP: USGS TOPO
DATA SOURCES: TRC

0 1,000 2,000
FEET
1:24,000 1" = 2,000'

AL GA FL

PROJECT: SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

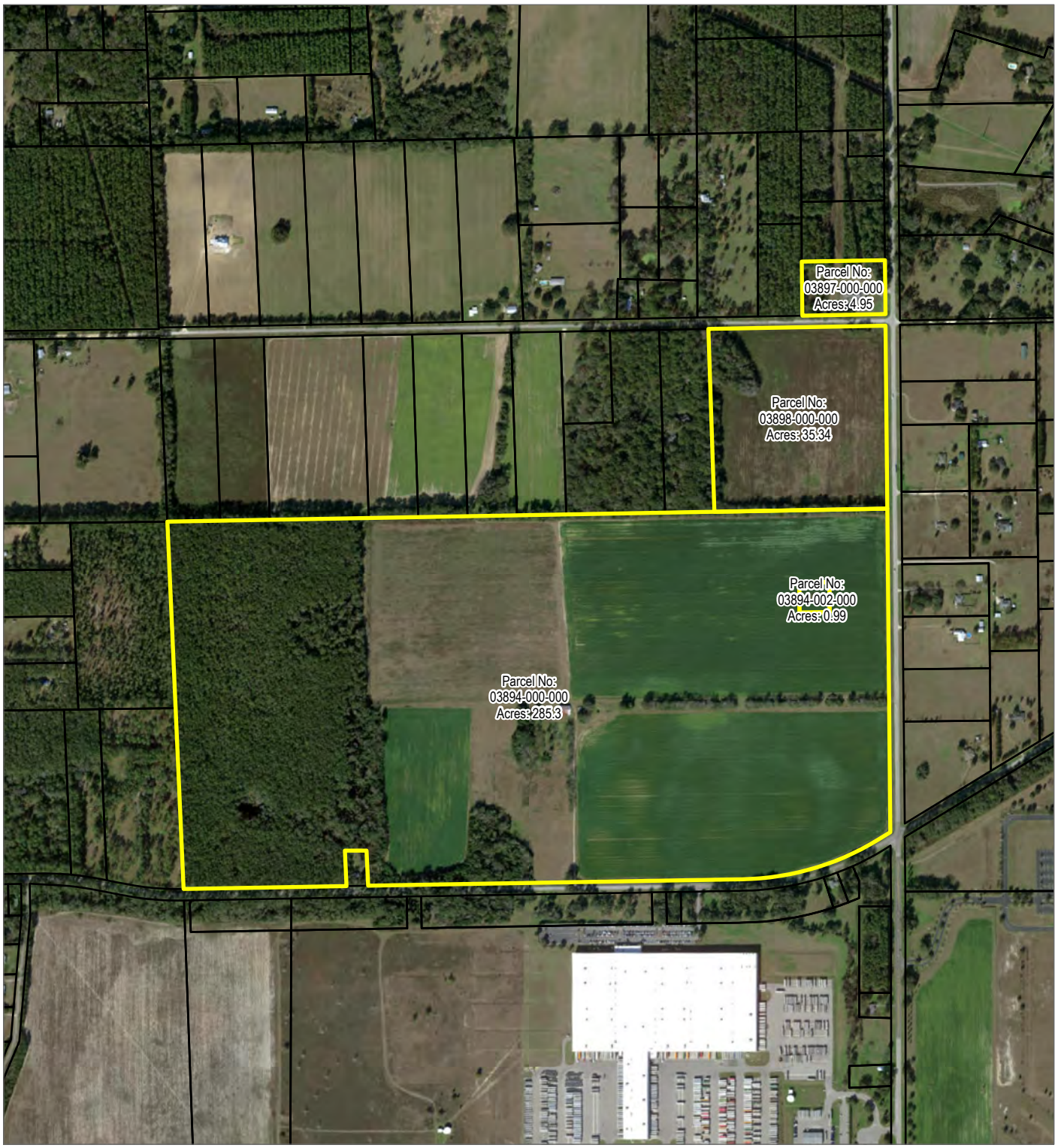
TITLE: U.S. TOPOGRAPHIC MAP

DRAWN BY:	R. SPRING	PROJ. NO.:	495474
CHECKED BY:	D. SWEENEY		
APPROVED BY:	J. MANIKOWSKI		FIGURE 2
DATE:	APRIL 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: Pleasant_Solar.aprx

COORDINATE SYSTEM: NAD 1983 STATEPLANE FLORIDA NORTH FIPS 0903 FEET: MAP ROTATION: 0
-- SAVED BY: RSPRING ON 4/19/2021 11:13:35 AM: FILE PATH: \\EMPLOYEES\GIS\ARCGIS\PRO\1-PROJECTS\SOLARIANT\437577_PLEASANT_SOLAR\2-APRX\PLEASANT_SOLAR.APRX: LAYOUT NAME: FIG 1 PLEASANT SOLAR PROJECT OVERVIEW



PROPERTY BOUNDARY

ALACHUA COUNTY PARCEL BOUNDARY

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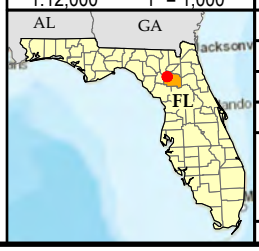
FEET

1:12,000 1" = 1,000'



BASE MAP: ESRI AERIAL IMAGERY
DATA SOURCES: TRC, ALACHUA COUNTY GIS

PROJECT: **SOLARIANT CAPITAL, LLC**
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE: **AERIAL MAP**

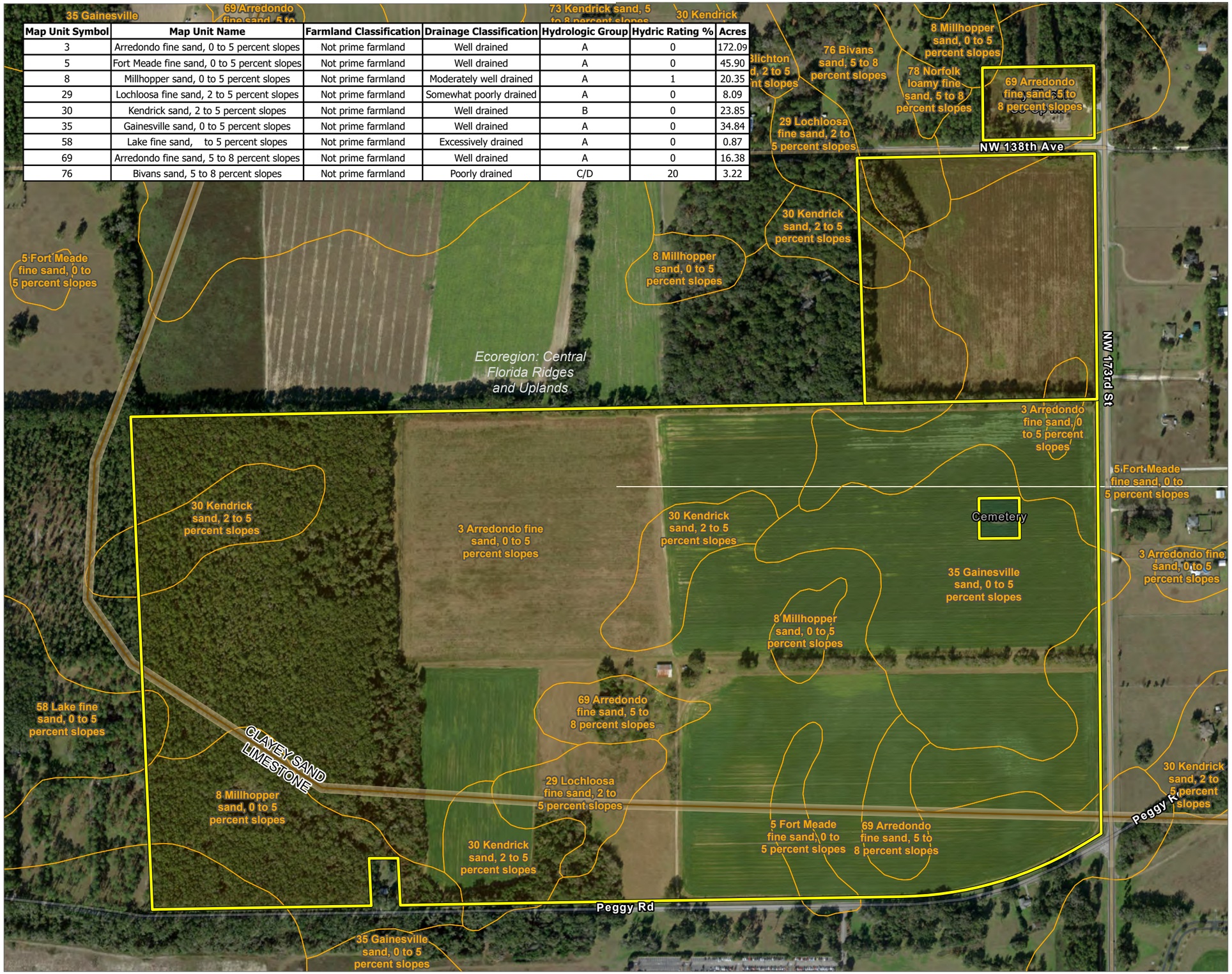
DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING		
APPROVED BY:	J. MANIKOWSKI		**FIGURE 3**
DATE:	JUNE 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: PLEASANT_SOLAR_2022

COORDINATE SYSTEM: NAD 1983 2011 STATEPLANE FLORIDA NORTH FIPS 0903 FT US; MAP ROTATION: 0
-- SAVED BY: JWELCH ON 6/16/2022, 16:43:35 PM; FILE PATH: T:\1-PROJECTS\SOLARIANT\495474_PLEASANT_SOLAR\2-APRX\PLEASANT_SOLAR_2022 APRX; LAYOUT NAME: FIG 3 AERIAL MAP

Map Unit Symbol	Map Unit Name	Farmland Classification	Drainage Classification	Hydrologic Group	Hydric Rating %	Acres
3	Arredondo fine sand, 0 to 5 percent slopes	Not prime farmland	Well drained	A	0	172.09
5	Fort Meade fine sand, 0 to 5 percent slopes	Not prime farmland	Well drained	A	0	45.90
8	Millhopper sand, 0 to 5 percent slopes	Not prime farmland	Moderately well drained	A	1	20.35
29	Lochloosa fine sand, 2 to 5 percent slopes	Not prime farmland	Somewhat poorly drained	A	0	8.09
30	Kendrick sand, 2 to 5 percent slopes	Not prime farmland	Well drained	B	0	23.85
35	Gainesville sand, 0 to 5 percent slopes	Not prime farmland	Well drained	A	0	34.84
58	Lake fine sand, to 5 percent slopes	Not prime farmland	Excessively drained	A	0	0.87
69	Arredondo fine sand, 5 to 8 percent slopes	Not prime farmland	Well drained	A	0	16.38
76	Bivans sand, 5 to 8 percent slopes	Not prime farmland	Poorly drained	C/D	20	3.22



PLEASANT SOLAR PARCELS
ENVIRONMENTAL GEOLOGY ROCK AND SOILS
SSURGO SOILS

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER.
DATA SOURCES: TRC, NRCS SSURGO



1:6,000
1" = 500'
0 500 1,000 FEET

PROJECT:
SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE:
SOILS AND GEOLOGIC RESOURCES

DRAWN BY:	R. SPRING	PROJ. NO.:	495474
CHECKED BY:	D. SWEENEY		
APPROVED BY:	J. MANIKOWSKI		FIGURE 4
DATE:	APRIL 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: Pleasant_Solar.aprx

Coordinate System: NAD 1983 StatePlane Florida North FIPS 0903 Feet. Map Rotation: 0
Saved By: RSPRING on 4/19/2021 11:49:49 AM. File Path: \\empdyesc\gis\designpool\PROJECTS\Solariant\437577_Pleasant_Solar\2-A\PRX\Pleasant_Solar.aprx Layout Name: Fig 4 Pleasant Solar Soils and Geologic Resources



PROPERTY BOUNDARY

LANDUSE DESCRIPTION AND ACREAGE:

- 1110: LOW DENSITY, FIXED SINGLE FAMILY UNITS (0.40)
- 2140: ROW CROPS (124.02)
- 2153: HAY FIELDS (84.51)
- 2600: OTHER OPEN LANDS (RURAL) (5.28)
- 2610: FALLOW CROPLAND (16.6)
- 4140: PINE - MESIC OAK (0.94)
- 4200: UPLAND HARDWOOD FORESTS (89.83)
- 8315: ELECTRIC POWER SUB STATIONS (3.82)
- 8320: ELECTRICAL POWER TRANSMISSION LINES (0.19)

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER.
DATA SOURCES: TRC, FDEP



N

1:6,000
1" = 500'

0 500 1,000 FEET

PROJECT: SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE: VEGETATION AND LAND USE

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING	FIGURE 5	
APPROVED BY:	J. MANIKOWSKI		
DATE:	JUNE 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: Pleasant_Solar_2022.aprx

Coordinate System: NAD 1983 StatePlane Florida North FIPS 0903 Feet; Map Rotation: 0
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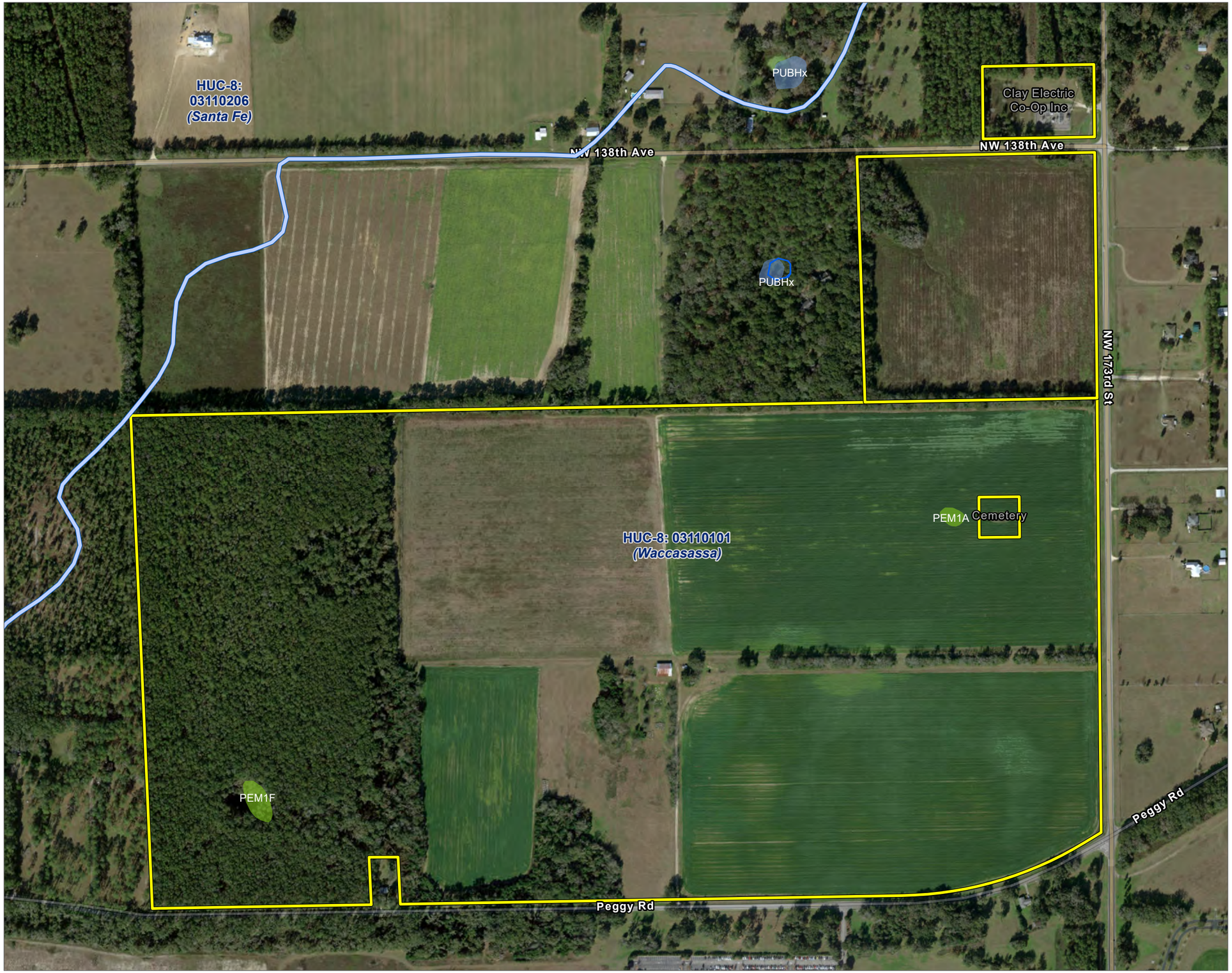

PLEASANT SOLAR PARCELS
HUC-8 BOUNDARY
NHD WATERBODY
NWI WETLAND TYPE:
FRESHWATER EMERGENT WETLAND
FRESHWATER POND

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER.
DATA SOURCES: TRC, USFWS NWI, USGS NHD, FEMA

THERE ARE NO FLOOD HAZARD AREAS PRESENT IN CURRENT MAP EXTENT.



N

1:6,000
1" = 500'

0 500 1,000 FEET

PROJECT:	SOLARIANT CAPITAL, LLC PLEASANT SOLAR ALACHUA COUNTY, FLORIDA
TITLE:	AQUATIC RESOURCES
DRAWN BY: R. SPRING	PROJ. NO.: 459474
CHECKED BY: D. SWEENEY	FIGURE 6
APPROVED BY: J. MANIKOWSKI	
DATE: APRIL 2022	

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: Pleasant_Solar.aprx

Coordinate System: NAD 1983 StatePlane Florida North FIPS 0903 Feet; Map Rotation: 0
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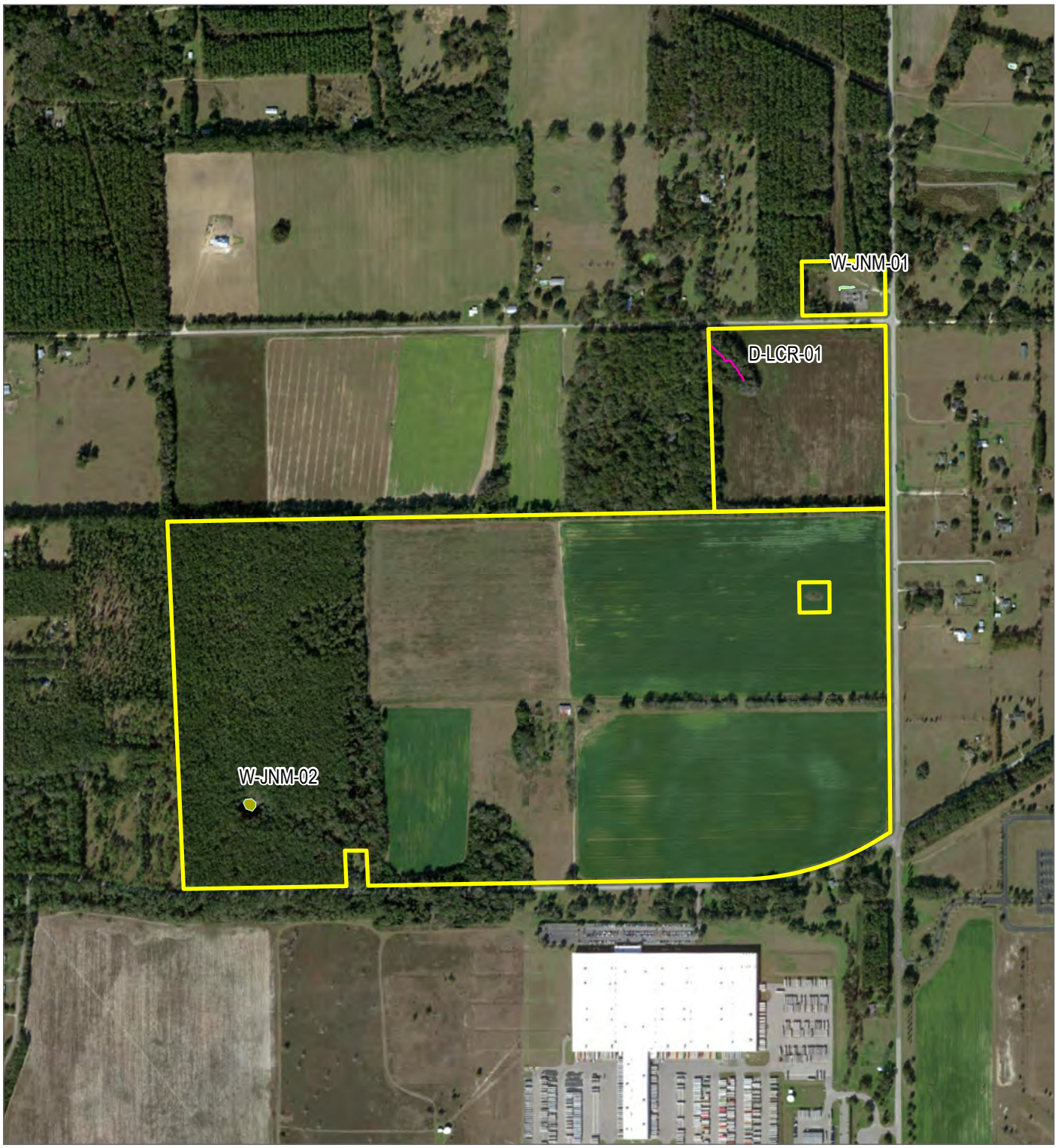

PROPERTY BOUNDARY

WETLAND

PEM (0.038 ACRES)

PSS (0.12 ACRES)

NON-JD DRAINAGE LINE

BASE MAP: ESRI AERIAL IMAGERY
DATA SOURCES: TRC, ALACHUA COUNTY GIS

N

0 500 1,000

FEET

1:12,000 1" = 1,000'



PROJECT:

SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE:

WETLAND AND WATERBODY DELINEATION

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING		
APPROVED BY:	J. MANIKOWSKI		**FIGURE 7**
DATE:	JUNE 2022		

TRC

4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: PLEASANT_SOLAR_2022

COORDINATE SYSTEM: NAD 1983 2011 STATEPLANE FLORIDA NORTH FIPS 0903 FT US; MAP ROTATION: 0
-- SAVED BY: JWELCH ON 6/15/2022, 14:35:33 PM; FILE PATH: T:\1-PROJECTS\SOLARIANT\495474_PLEASANT_SOLAR\2-APRX\PLEASANT_SOLAR_2022 APRX; LAYOUT NAME: FIG 7 WETLAND AND WATERBODY

Appendix B
Wetland Data Sheets and Photographs

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Pleasant Solar **City/County:** Alachua, Alachua Coun… **Sampling Date:** 2022-May-25
Applicant/Owner: Solariant **State:** FL **Sampling Point:** W-JNM-01_PEM-1
Investigator(s): Jennifer Manikowski, Lindsay Robinson , Jennifer Man… **Section, Township, Range:**
Landform (hillslope, terrace, etc.): Swale **Local relief (concave, convex, none):** Concave **Slope (%):** 1 to 3
Subregion (LRR or MLRA): LRR P **Lat:** 29.7824646243 **Long:** -82.5277507921 **Datum:** WGS84
Soil Map Unit Name: Arredondo fine sand, 5 to 8 percent slopes **NWI classification:** None
Are climatic/hydrologic conditions on the site typical for this time of year? Yes _✓_ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes _✓_ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _✓_ No ____		
Hydric Soil Present?	Yes _✓_ No ____		
Wetland Hydrology Present?	Yes _✓_ No ____	**Is the Sampled Area within a Wetland?**	**Yes _✓_ No ____**

Remarks:

Covertype is PEM. Area is wetland, all three wetland parameters are present..

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- _✓_ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ Marl Deposits (B15) **(LRR U)**
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres along Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- _✓_ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- _✓_ Saturation Visible on Aerial Imagery (C9)
- _✓_ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- _✓_ FAC-Neutral Test (D5)
- ___ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____ No _✓_	Depth (inches):	
Water Table Present?	Yes ____ No _✓_	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes _✓_ No ____	Depth (inches):	6

Wetland Hydrology Present? Yes _✓_ No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (primary and secondary indicators were present).

Sampling Point: W-JNM-01_PEM-1

VEGETATION (Four Strata) -- Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 30)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. *Luziola fluitans*	70	Yes	OBL
2. *Eleocharis palustris*	15	No	OBL
3. *Bacopa monnieri*	5	No	OBL
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90 = Total Cover		
50% of total cover: 45	20% of total cover: 18		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	1	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply By:	
OBL species	90	x 1 =	90
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals	90	(A)	90 (B)
Prevalence Index = B/A =	1		

Hydrophytic Vegetation Indicators:

- ✓ 1- Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ✓ 3 - Prevalence Index is ≤ 3.0[1]
- ____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks: (Include photo numbers here or on a separate sheet.)

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC). A positive indication of hydrophytic vegetation was observed (Prevalence Index is ≤ 3.00). A positive indication of hydrophytic vegetation was observed (Rapid Test for Hydrophytic Vegetation).

SOIL

Sampling Point: W-JNM-01_PEM-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 2	10YR 4/1	100					Sandy Loam	
2 - 10	10YR 5/1	95	10YR 4/6	5	C	M	Sandy Loam	
10 - 16	N 7/	85	7.5YR 5/8					

[1]Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. [2]Location: PL = Pore Lining, M = Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

__ Histosol (A1)
__ Histic Epipedon (A2)
__ Black Histic (A3)
__ Hydrogen Sulfide (A4)
__ Stratified Layers (A5)
__ Organic Bodies (A6) **(LRR P, T, U)**
__ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
__ Muck Presence (A8) **(LRR U)**
__ 1 cm Muck (A9) **(LRR P, T)**
__ Depleted Below Dark Surface (A11)
__ Thick Dark Surface (A12)
__ Coast Prairie Redox (A16) **(MLRA 150A)**
__ Sandy Mucky Mineral (S1) **(LRR O, S)**
__ Sandy Gleyed Matrix (S4)
__ Sandy Redox (S5)
__ Stripped Matrix (S6)
__ Dark Surface (S7) **(LRR P, S, T, U)**
__ Polyvalue Below Surface (S8) **(LRR S, T, U)**
__ Thin Dark Surface (S9) **(LRR S, T, U)**
__ Loamy Mucky Mineral (F1) **(LRR O)**
__ Loamy Gleyed Matrix (F2)
✓ Depleted Matrix (F3)
__ Redox Dark Surface (F6)
__ Depleted Dark Surface (F7)
__ Redox Depressions (F8)
__ Marl (F10) **(LRR U)**
__ Depleted Ochric (F11) **(MLRA 151)**
__ Iron-Manganese Masses (F12) **(LRR O, P, T)**
__ Umbric Surface (F13) **(LRR P, T, U)**
__ Delta Ochric (F17) **(MLRA 151)**
__ Reduced Vertic (F18) **MLRA 150A, 150B)**
__ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
__ Anomalous Bright Loamy soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) **(LRR O)**
___ 2 cm Muck (A10) **(LRR S)**
___ Reduced Vertic (F18) **(outside MLRA 150A,B)**
___ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
___ Anomalous Bright Loamy soils (F20) **(MLRA 153B)**
___ Red Parent Material (TF2)
___ Very Shallow Dark Surface (TF12)
___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches):

Hydric Soil Present? Yes ✓ No ____

Remarks:

A positive indication of hydric soil was observed. The criterion for hydric soil is met.

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Pleasant Solar **City/County:** Alachua, Alachua Coun… **Sampling Date:** 2022-May-25
Applicant/Owner: Solariant **State:** FL **Sampling Point:** W-JNM-01_UPL-1
Investigator(s): Lindsay Robinson, Lindsay Robinson, Jenna Manikow… **Section, Township, Range:**
Landform (hillslope, terrace, etc.): Hillslope **Local relief (concave, convex, none):** Concave **Slope (%):** 1 to 10
Subregion (LRR or MLRA): LRR P **Lat:** 29.7825282075 **Long:** -82.5277244585 **Datum:** WGS84
Soil Map Unit Name: Arredondo fine sand, 5 to 8 percent slopes **NWI classification:** None
Are climatic/hydrologic conditions on the site typical for this time of year? Yes _✓_ No ____ (If no, explain in Remarks.)
Are Vegetation _✓_, Soil ____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _✓_ No ____
Are Vegetation ____, Soil ____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____ No _✓_	
Hydric Soil Present?	Yes ____ No _✓_	
Wetland Hydrology Present?	Yes ____ No _✓_	**Is the Sampled Area within a Wetland?** **Yes ____ No _✓_**

Remarks:

Covertype is UPL. Area is upland, not all three wetland parameters are present.. Wetland located adjacent to substation fence line.
Routinely mowed so vegetation is disturbed .

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15) **(LRR U)**
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____ No _✓_	Depth (inches):	
Water Table Present?	Yes ____ No _✓_	Depth (inches):	**Wetland Hydrology Present?** Yes ____ No _✓_
Saturation Present? (includes capillary fringe)	Yes ____ No _✓_	Depth (inches):	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No positive indication of wetland hydrology was observed.

VEGETATION (Four Strata) -- Use scientific names of plants.

Sampling Point: W-JNM-01_UPL-1

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 30)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. *Paspalum notatum*	80	Yes	FACU
2. *Paspalum urvillei*	20	Yes	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	100 = Total Cover		
50% of total cover: 50	20% of total cover: 20		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	50	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply By:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	80	x 4 =	320
UPL species	0	x 5 =	0
Column Totals	100	(A)	380 (B)
Prevalence Index = B/A =	3.8		

Hydrophytic Vegetation Indicators:

____ 1- Rapid Test for Hydrophytic Vegetation

____ 2 - Dominance Test is > 50%

____ 3 - Prevalence Index is ≤ 3.0[1]

____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

No positive indication of hydrophytic vegetation was observed (≥50% of dominant species indexed as FAC− or drier). Maintained Sunstation property.

SOIL

Sampling Point: W-JNM-01_UPL-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 9	10YR 3/2	100					Fibric Loamy Sand	
9 - 13	10YR 3/2	90	10YR 6/3	10			Loamy Sand	
13 - 22	10YR 4/2	80	10YR 5/8	10	C	M	Gravelly Sandy Loam	
13 - 22	10YR 6/1	10	10YR 6/1				Gravelly Sandy Loam	

[1]Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. [2]Location: PL = Pore Lining, M = Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

__ Histosol (A1)
__ Histic Epipedon (A2)
__ Black Histic (A3)
__ Hydrogen Sulfide (A4)
__ Stratified Layers (A5)
__ Organic Bodies (A6) **(LRR P, T, U)**
__ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
__ Muck Presence (A8) **(LRR U)**
__ 1 cm Muck (A9) **(LRR P, T)**
__ Depleted Below Dark Surface (A11)
__ Thick Dark Surface (A12)
__ Coast Prairie Redox (A16) **(MLRA 150A)**
__ Sandy Mucky Mineral (S1) **(LRR O, S)**
__ Sandy Gleyed Matrix (S4)
__ Sandy Redox (S5)
__ Stripped Matrix (S6)
__ Dark Surface (S7) **(LRR P, S, T, U)**
__ Polyvalue Below Surface (S8) **(LRR S, T, U)**
__ Thin Dark Surface (S9) **(LRR S, T, U)**
__ Loamy Mucky Mineral (F1) **(LRR O)**
__ Loamy Gleyed Matrix (F2)
__ Depleted Matrix (F3)
__ Redox Dark Surface (F6)
__ Depleted Dark Surface (F7)
__ Redox Depressions (F8)
__ Marl (F10) **(LRR U)**
__ Depleted Ochric (F11) **(MLRA 151)**
__ Iron-Manganese Masses (F12) **(LRR O, P, T)**
__ Umbric Surface (F13) **(LRR P, T, U)**
__ Delta Ochric (F17) **(MLRA 151)**
__ Reduced Vertic (F18) **MLRA 150A, 150B)**
__ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
__ Anomalous Bright Loamy soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) **(LRR O)**
___ 2 cm Muck (A10) **(LRR S)**
___ Reduced Vertic (F18) **(outside MLRA 150A,B)**
___ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
___ Anomalous Bright Loamy soils (F20) **(MLRA 153B)**
___ Red Parent Material (TF2)
___ Very Shallow Dark Surface (TF12)
___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches):

Hydric Soil Present? Yes ____ No _✓_

Remarks:

No positive indication of hydric soils was observed.

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Pleasant Solar **City/County:** Alachua, Alachua Coun… **Sampling Date:** 2022-May-26
Applicant/Owner: Solariant **State:** FL **Sampling Point:** W-JNM-02_PSS-1
Investigator(s): Jennifer Manikowski, Lindsay Robinson **Section, Township, Range:**
Landform (hillslope, terrace, etc.): Sinkhole **Local relief (concave, convex, none):** Concave **Slope (%):** 95 to 1…
Subregion (LRR or MLRA): LRR P **Lat:** 29.772709926 **Long:** -82.5410472974 **Datum:** WGS84
Soil Map Unit Name: Millhopper sand, 0 to 5 percent slopes **NWI classification:** PEM
Are climatic/hydrologic conditions on the site typical for this time of year? Yes _✓_ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No _✓_
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _✓_ No ____		
Hydric Soil Present?	Yes _✓_ No ____		
Wetland Hydrology Present?	Yes _✓_ No ____	**Is the Sampled Area within a Wetland?**	**Yes _✓_ No ____**

Remarks:

Covertype is PSS. Area is wetland . The wetland is located within a deep sinkhole. .

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- _✓_ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ Marl Deposits (B15) **(LRR U)**
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres along Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- _✓_ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- _✓_ FAC-Neutral Test (D5)
- ___ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____ No _✓_	Depth (inches):	
Water Table Present?	Yes ____ No _✓_	Depth (inches):	**Wetland Hydrology Present?** Yes _✓_ No ____
Saturation Present? (includes capillary fringe)	Yes ____ No _✓_	Depth (inches):	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (at least one primary indicator). The wetland is located within a 150 foot deep sinkhole. Unable to determine the depth of water..

VEGETATION (Four Strata) -- Use scientific names of plants.

Sampling Point: W-JNM-02_PSS-1

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0	= Total Cover	

50% of total cover: 0 20% of total cover: 0

Sapling/Shrub Stratum (Plot size: 30)			
1. *Salix caroliniana*	65	Yes	OBL
2. *Acer rubrum*	15	No	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	80	= Total Cover	

50% of total cover: 40 20% of total cover: 16

Herb Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	0	= Total Cover	

50% of total cover: 0 20% of total cover: 0

Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0	= Total Cover	

50% of total cover: 0 20% of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	1	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply By:	
OBL species	65	x 1 =	65
FACW species	0	x 2 =	0
FAC species	15	x 3 =	45
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals	80	(A)	110 (B)

Prevalence Index = B/A = 1.4

Hydrophytic Vegetation Indicators:

✓ 1- Rapid Test for Hydrophytic Vegetation

✓ 2 - Dominance Test is >50%

✓ 3 - Prevalence Index is ≤ 3.0[1]

____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks: (Include photo numbers here or on a separate sheet.)

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC).

SOIL

Sampling Point: W-JNM-02_PSS-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
-								

[1]Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. [2]Location: PL = Pore Lining, M = Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

__ Histosol (A1)
__ Histic Epipedon (A2)
__ Black Histic (A3)
__ Hydrogen Sulfide (A4)
__ Stratified Layers (A5)
__ Organic Bodies (A6) **(LRR P, T, U)**
__ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
__ Muck Presence (A8) **(LRR U)**
__ 1 cm Muck (A9) **(LRR P, T)**
__ Depleted Below Dark Surface (A11)
__ Thick Dark Surface (A12)
__ Coast Prairie Redox (A16) **(MLRA 150A)**
__ Sandy Mucky Mineral (S1) **(LRR O, S)**
__ Sandy Gleyed Matrix (S4)
__ Sandy Redox (S5)
__ Stripped Matrix (S6)
__ Dark Surface (S7) **(LRR P, S, T, U)**
__ Polyvalue Below Surface (S8) **(LRR S, T, U)**
__ Thin Dark Surface (S9) **(LRR S, T, U)**
__ Loamy Mucky Mineral (F1) **(LRR O)**
__ Loamy Gleyed Matrix (F2)
__ Depleted Matrix (F3)
__ Redox Dark Surface (F6)
__ Depleted Dark Surface (F7)
__ Redox Depressions (F8)
__ Marl (F10) **(LRR U)**
__ Depleted Ochric (F11) **(MLRA 151)**
__ Iron-Manganese Masses (F12) **(LRR O, P, T)**
__ Umbric Surface (F13) **(LRR P, T, U)**
__ Delta Ochric (F17) **(MLRA 151)**
__ Reduced Vertic (F18) **MLRA 150A, 150B)**
__ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
__ Anomalous Bright Loamy soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) **(LRR O)**
___ 2 cm Muck (A10) **(LRR S)**
___ Reduced Vertic (F18) **(outside MLRA 150A,B)**
___ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
___ Anomalous Bright Loamy soils (F20) **(MLRA 153B)**
___ Red Parent Material (TF2)
___ Very Shallow Dark Surface (TF12)
__✓__ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches):

Hydric Soil Present? Yes __✓__ No ____

Remarks:

The wetland is located in a steep sinkhole so a soil profile could not be obtained. Due to the presence of hydrology and hydrophytic vegetation, soils are assumed to be hydric .

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Pleasant Solar **City/County:** Alachua, Alachua Coun… **Sampling Date:** 2022-May-26
Applicant/Owner: Solariant **State:** FL **Sampling Point:** W-JNM-02_UPL-1
Investigator(s): Lindsay Robinson, Lindsay Robinson, Jennifer Maniko… **Section, Township, Range:**
Landform (hillslope, terrace, etc.): Flat **Local relief (concave, convex, none):** Concave **Slope (%):** 0 to 1
Subregion (LRR or MLRA): LRR P **Lat:** 29.77255599 **Long:** -82.5407903046 **Datum:** WGS84
Soil Map Unit Name: Millhopper fine sand, 0 to 5 percent slopes **NWI classification:**
Are climatic/hydrologic conditions on the site typical for this time of year? Yes _✓_ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes _✓_ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____ No _✓_		
Hydric Soil Present?	Yes ____ No _✓_		
Wetland Hydrology Present?	Yes ____ No _✓_	**Is the Sampled Area within a Wetland?**	**Yes ____ No _✓_**

Remarks:

Covertype is UPL. Area is upland, not all three wetland parameters are present..

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15) **(LRR U)**
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____ No _✓_	Depth (inches):	
Water Table Present?	Yes ____ No _✓_	Depth (inches):	**Wetland Hydrology Present?** Yes ____ No _✓_
Saturation Present? (includes capillary fringe)	Yes ____ No _✓_	Depth (inches):	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No positive indication of wetland hydrology was observed.

VEGETATION (Four Strata) -- Use scientific names of plants.

Sampling Point: W-JNM-02_UPL-1

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Prunus serotina*	70	Yes	FACU
2. *Quercus hemisphaerica*	10	No	FACU
3.			
4.			
5.			
6.			
7.			
8.			
	80	= Total Cover	
50% of total cover: 40	20% of total cover:		16
Sapling/Shrub Stratum (Plot size: 30)			
1. *Prunus serotina*	40	Yes	FACU
2. *Sabal palmetto*	5	No	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	45	= Total Cover	
50% of total cover: 22.5	20% of total cover:		9
Herb Stratum (Plot size: 5)			
1. *Callicarpa americana*	5	Yes	FACU
2. *Asplenium platyneuron*	5	Yes	FACU
3. *Hedera helix*	10	Percent cover cannot be greater than a previous species	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	20	= Total Cover	
50% of total cover: 10	20% of total cover:		4
Woody Vine Stratum (Plot size: 5)			
1. *Smilax bona-nox*	10	Yes	FAC
2.			
3.			
4.			
5.			
	10	= Total Cover	
50% of total cover: 5	20% of total cover:		2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	5	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	20	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply By:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	15	x 3 =	45
FACU species	140	x 4 =	560
UPL species	0	x 5 =	0
Column Totals	155	(A)	605 (B)
Prevalence Index = B/A =	3.9		

Hydrophytic Vegetation Indicators:

____ 1- Rapid Test for Hydrophytic Vegetation

____ 2 - Dominance Test is > 50%

____ 3 - Prevalence Index is ≤ 3.0[1]

____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W-JNM-02_UPL-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 7	10YR 3/2	100					Sandy Loam	
7 - 16	10YR 4/3	100					Sandy Loam	

[1]Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. [2]Location: PL = Pore Lining, M = Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

__ Histosol (A1)
__ Histic Epipedon (A2)
__ Black Histic (A3)
__ Hydrogen Sulfide (A4)
__ Stratified Layers (A5)
__ Organic Bodies (A6) **(LRR P, T, U)**
__ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
__ Muck Presence (A8) **(LRR U)**
__ 1 cm Muck (A9) **(LRR P, T)**
__ Depleted Below Dark Surface (A11)
__ Thick Dark Surface (A12)
__ Coast Prairie Redox (A16) **(MLRA 150A)**
__ Sandy Mucky Mineral (S1) **(LRR O, S)**
__ Sandy Gleyed Matrix (S4)
__ Sandy Redox (S5)
__ Stripped Matrix (S6)
__ Dark Surface (S7) **(LRR P, S, T, U)**
__ Polyvalue Below Surface (S8) **(LRR S, T, U)**
__ Thin Dark Surface (S9) **(LRR S, T, U)**
__ Loamy Mucky Mineral (F1) **(LRR O)**
__ Loamy Gleyed Matrix (F2)
__ Depleted Matrix (F3)
__ Redox Dark Surface (F6)
__ Depleted Dark Surface (F7)
__ Redox Depressions (F8)
__ Marl (F10) **(LRR U)**
__ Depleted Ochric (F11) **(MLRA 151)**
__ Iron-Manganese Masses (F12) **(LRR O, P, T)**
__ Umbric Surface (F13) **(LRR P, T, U)**
__ Delta Ochric (F17) **(MLRA 151)**
__ Reduced Vertic (F18) **MLRA 150A, 150B)**
__ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
__ Anomalous Bright Loamy soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) **(LRR O)**
___ 2 cm Muck (A10) **(LRR S)**
___ Reduced Vertic (F18) **(outside MLRA 150A,B)**
___ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
___ Anomalous Bright Loamy soils (F20) **(MLRA 153B)**
___ Red Parent Material (TF2)
___ Very Shallow Dark Surface (TF12)
___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches):

Hydric Soil Present? Yes ____ No _✓_

Remarks:

The criterion for hydric soil is not met. No positive indication of hydric soils was observed.

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Solariant Capital, LLC

PLEASANT SOLAR PROJECT
Alachua County, Florida

Threatened and Endangered Species Habitat Assessment Report

Prepared For:



Solariant Capital, LLC
301 North Lake Ave, Suite 950
Pasadena, CA 91101

Prepared By:

TRC Environmental Corporation



TRC
Jacksonville, FL

December 2022

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ATTACHMENTS

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- Figure 1 – Site Location Map
- Figure 2 – U.S. Topographic Map
- Figure 3 – Aerial Map
- Figure 4 – Land Use Map
- Figure 5 – Wetland and Waterbody Delineation Map

Attachment B – USFWS IPaC Resource List
Attachment C – FNAI Biodiversity Matrix
Attachment D – Site Photographs

1.0 Introduction

1.1 Project Description and Location

TRC Environmental Corporation (TRC), was contracted by Solariant Capital, LLC (Solariant) to conduct a threatened and endangered (T&E) habitat assessment for its Pleasant Solar Project (Project) site located southwest of the City of Alachua in Alachua County, Florida. The Project is situated north of Peggy Road, west of NW 173rd Street, and north and south of NW 138th Avenue. The Project consists of three parcels totaling 325.59 acres, which are identified in Table 1 below. Two of the parcels are proposed for the solar facility and substation and lie within the limits of the City of Alachua. The third parcel is near the proposed point of interconnect (POI) to the existing electrical grid and is within unincorporated Alachua County. Solariant is proposing to construct a 74.9 MW utility scale solar facility and tie into Duke Energy Florida's (Duke) existing 69 kV line. The southern two parcels are currently being used for agricultural purposes. The results of this assessment will be used to determine environmental constraints from a listed species perspective and potential permits that may be needed to a develop a solar facility on this site. A site location map (Figure 1), United States (U.S.) topographic map (Figure 2), and aerial map (Figure 3) are included in Appendix A to depict the location of the Project site.

Table 1: Pleasant Solar Project Site Parcels

Proposed Project Facility	Lot #	Parcel Owner	Acres
Solar Facility	3894	Waco Properties Inc.	285.3
Solar Facility	3898	Alspaugh Brown Trustee	35.34
Existing Substation	3897	Clay Electric	4.95
		Total	**325.59**

1.2 Project Purpose

The purpose of this T&E species habitat assessment was to identify the presence of habitats that could potentially support state or federally protected plant or wildlife species within the approximately 325.59-acre site. Documentation of the T&E habitats will be used to determine if the site is suitable and if any species-specific permits are required. Specific tasks performed include a desktop evaluation of existing maps and T&E species data, a field assessment of the site to identify habitats that could potentially support T&E species, and characterization of potentially suitable T&E species habitat. All features documented during the site visit are included in this report.

2.0 Regulatory Authorities

Federal, state, and local laws, regulations, codes, and ordinances provide the context to the T&E assessment being performed as part of this scope of work, in terms of methodologies, extent and type of surveys, and potential permits that may be required to develop a solar facility on the Project site. A description of these applicable regulatory authorities is provided by resource and regulatory entity below.

2.1 Federal

Federally listed threatened and endangered species and their designated critical habitats are protected under the Endangered Species Act (ESA) of 1973, as amended, (16 United States Code [USC] A-1535-1543, P.L. 93-205). The ESA prohibits the take of federally listed species as well as the import or export of these species. Take includes a variety of actions including harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or an attempt to engage in any such conduct. Migratory birds, including their nests and eggs, are protected under the Migratory Bird Treaty Act (MBTA) (16 U.S.C. 703–711), which prohibits the take of these species without a valid permit. The take and possession of bald and golden eagles, including their eggs and nests, is prohibited under the Bald and Golden Eagle Act ((16 U.S.C. 668). The U.S. Fish and Wildlife Service (USFWS) and the National Oceanic and Atmospheric Administration (NOAA) Fisheries Service implements these laws and programs.

Federally listed species have four levels of protection status: endangered, threatened, candidate and proposed. Federally listed endangered and threatened species are protected by the take prohibits of Section 9 under the Endangered Species Act, while candidate and proposed species are not.

2.2 State of Florida

Florida Statutes 379.411 declares that it is unlawful for a person to intentionally kill or wound any species of fish or wildlife listed as endangered, threatened, or of special concern (as determined by the state of Florida) or to intentionally destroy the eggs or nest of any such fish or wildlife unless authorized by rules of the Florida Fish and Wildlife Conservation Commission (FFWCC). State listed wildlife species regulations are defined in 68A-27 FAC and are implemented by the FFWCC. Permits are required by the FFWCC to relocate or for incidental take of state-protected wildlife species.

Florida regulations/permitting requirements are written to eliminate the need for both federal and state permits for take and incidental take of federally designated endangered and threatened wildlife species. Activities that result in take or incidental take of federally designated endangered and threatened species do not require a permit from the FFWCC when authorized by the USFWS or the NOAA Fisheries Service pursuant to 16 U.S.C. Section 1539, or other authorization provided by 16 U.S.C. Section 1536.

Florida Statute 581.85 declares it is unlawful for any person to willfully destroy or harvest any plant listed as endangered, threatened, or commercially exploited growing on the private land of another or on any public land without first obtaining the written permission of the landowner or legal representative of the landowner and a permit from the from the Division of Plant Industry within Florida Department of Agriculture and Consumer Services (FDACs).

3.0 Methodology

3.1 Desktop Review

Prior to conducting the field habitat assessments, TRC collected and reviewed existing data regarding protected species and sensitive habitats within Alachua County, Florida, and the surrounding area (~1-mile radius). The following resources were used in this evaluation:

- USFWS Information, Planning, and Conservation System (IPaC) online planning tool and official special species list (USFWS, 2022)
- Florida Natural Areas Inventory (FNAI) Element Occurrence and Biodiversity Matrix for the Project site and vicinity (FNAI, 2022a)
- FNAI – Current Element Tracking Summary, updated August 2021 (FNAI, 2022b)
- FFWCC water bird locater (FFWCC, 2022a), and
- FFWCC bald eagle nest locator (FFWCC, 2022b).

3.2 Field Assessment

Following the desktop review, qualified TRC biologists conducted a field investigation (pedestrian) on the site from May 25 to May 27, 2022, to evaluate on-site habitats for suitability to support any state or federally listed species potentially occurring in the site vicinity. Data collected from the desktop evaluation was used to develop a field survey plan to focus on habitats with the potential to support protected species. During the site visit, biologists conducted pedestrian transects through areas of potentially suitable threatened and endangered habitats to characterize the quality of the habitat and to search for listed species or evidence thereof (i.e., tracks, nests, burrows, etc.). Notes and locations of individual species and/or their preferred habitats were taken during the assessment. The locations of listed species or evidence thereof were recorded using a GPS with submeter accuracy.

4.0 Land Use and Vegetation Communities

A team of TRC biologists conducted a pedestrian field evaluation of the site from May 25 to May 27, 2022. As part of this evaluation, TRC characterized and mapped the land cover and vegetation communities on the project site using the Florida Land Use Cover and Forms Classification System (FLUCFCS) (FDOT, 1999). The land cover types delineated by TRC on the site are described below and shown on Figure 4 in Attachment A.

Nine land cover types were identified on the site: low density fixed single family units, row crops, hay fields, other open lands (rural), fallow cropland, pine-mesic oak, upland hardwood forests, electrical power substations, and electrical power transmission lines. Descriptions of each community type are provided below.

1110- Low Density Fixed Single Family Units

Approximately 0.40 acres (0.12 percent) of the Site consists of low density fixed single family units.

2140- Row Crops
Approximately 124.02 acres (38.09 percent) of the Site consists of row crops. These areas appear to have been planted with corn which has been recently harvested.

2153- Hay Fields
Approximately 84.51 acres (25.96 percent) of the Site is newly planted hay fields.

2600 – Other Open Lands (Rural)
Approximately 5.28 acres (1.62 percent) of the site consists of other open lands used for agricultural purposes. There is a large barn, pump house, and diesel tank within this area.

2610- Fallow Cropland
Approximately 16.6 acres (5.10 percent) of the Site consists of fallow cropland. This area has been taken over by weeds.

4140- Pine-Mesic Oak
Approximately 0.94 acres (0.29 percent) of the Site is pine-mesic oak forest consisting primarily of Slash pine (*Pinus elliottii*), Laurel oak (*Quercus laurifolia*), water oak (*Quercus nigra*), live oak (*Quercus virginiana*), hickories (*Carya spp.*), dog fennel (*Eupatorium capillifolium*) and greenbriers (*Smilax spp.*).

4200- Upland Hardwood Forests
Approximately 89.83 acres (27.59 percent) of the Site is upland hardwood forests consisting primarily of black cherry (*Prunus serotina*), Darlington's oak (*Quercus hemisphaerica*), laurel oak (*Quercus laurifolia*), water oak (*Quercus nigra*), live oak (*Quercus virginiana*), sweetgum (*Liquidambar styraciflua*), hickories (*Carya spp.*), American beauty berry (*Callicarpa americana*), saw greenbrier (*Smilax bona-nox*), and Virginia creeper (*Parthenocissus quinquefolia*).

8315- Electrical Power Substations
Approximately 3.82 acres (1.17 percent) of the site is an existing electrical power substation. The substation is owned by Clay Electric Cooperative and is located on the northern Project parcel.

8320- Electrical Power Transmission Lines
The Project site contains about 0.19 acres (0.06 percent) of electrical power transmission lines. These are located on the northern Project parcel owned by Clay Electric Cooperative.

Prior to the field evaluation, TRC biologists reviewed USFWS National Wetland Inventory (NWI) data for potential wetlands or surface waters on the project site. The NWI map identified two wetlands within the project site: two Palustrine Emergent Wetlands (PEM). TRC observed two wetlands and one non-jurisdictional drainage within the Project limits. They are depicted on Figure 5 in Appendix A.

5.0 RESULTS

5.1 Critical Habitat

There are no critical habitats (USFWS, 2022) or wading bird rookeries (FFWCC, 2022) known to occur on or in the vicinity of the Project site.

5.2 T&E Species

Based on results of the desktop evaluation, there are 9 state or federally protected (or proposed for federal protection) animal species and 8 state protected plant species with the potential to occur on or near the Project site. These species are identified in Table 1 along with their current protection status, preferred habitat, potential for occurrence on the Project site, and TRC's recommendations for future actions.

TRC's opinion regarding the potential for each of the species to occur on the Project site is based on the habitat type, quality, quantity, and known range and characteristics of each species. The likelihood of occurrence is classified as follows:

- None – no chance the species would occur onsite due to lack of suitable habitat or beyond species range.
- Low – limited potentially suitable habitat present; the habitat may be disturbed, limited in area, low quality or disturbed
- Moderate – suitable habitat present, no individuals previously recorded in site vicinity and no evidence of their existence on the site observed during the field survey.
- High – suitable habitat on site and known occurrences in the area or was observed on or near the site during the field survey.

Table 2. State and Federally Listed Species with Potential to Occur on or Near the Project Site					
Common Name Scientific Name	**Status**		**Preferred Habitat**	**Potential to Occur on Site**	**Recommended Action**
	F	**S**			
Invertebrates					
Squirrel chimney cave shrimp *Palaemonetes cummingi*	T	FT	Obligate cave dwelling species; known only to inhabit the Squirrel Chimney sinkhole and flooded cave system	**Moderate**; there is a deep, water-filled sinkhole in the southwest portion of the site that is located within the limits of the Squirrel Chimney cave system	It is TRC's understanding that Solariant intends to avoid impacts to sinkhole in the southwest portion of the site; therefore, adverse impacts to this species are unlikely to occur
Insects					
Monarch Butterfly *Danaus plexippus*	C	-	Open fields and meadows with milkweed	None; no suitable habitat for this species onsite.	No further consultation/permit needed
Amphibians and Reptiles					
Eastern indigo snake *Drymarchon couperi*	T	FT	Broad range of habitats from scrub and sand hill to wet prairies; in northern part of range, often winters in gopher tortoise burrows in sandy uplands but forages in more hydric habitats; requires very large tracts to survive	Low; while the uplands on the site may provide some low-quality habitat, this species is unlikely to occur on the Project site due to the lack of gopher tortoise burrows and ongoing agricultural activities.	No further consultation/permit anticipated.
Gopher tortoise *Gopherus polyphemus*	C	T	Inhabits a wide variety of upland habitats including, sandhills; dry hammocks; longleaf pine-turkey oak woods; old fields	Low; while the uplands on the site provide some suitable habit, no gopher tortoise burrows were observed on the site during the field visit. Furthermore, the ongoing agricultural activities would discourage use of the Site by tortoises.	Consultation with FFWCC is not required if no construction occurs within 25 feet of a potentially occupied burrow; no further consultation/permit is required. Because suitable habitat is present onsite, there is potential for this species to move onto the site between the time of field survey and the start of

Table 2. State and Federally Listed Species with Potential to Occur on or Near the Project Site					
Common Name **Scientific Name**	**Status**		**Preferred Habitat**	**Potential to Occur on Site**	**Recommended Action**
	F	**S**			
					construction. TRC recommends a pre-construction survey to ensure tortoises have not begun inhabiting the site.
Short-tailed snake *Lampropeltis extenuate*	-	T	Dry upland habitats, principally sand hill, xeric hammock, and sand pine scrub. A secretive burrower only rarely seen above ground or under cover objects	Low; while the uplands on the site provide some suitable habit, the ongoing agricultural activities would discourage use of the Site by this species.	No further consultation/permit anticipated.
Striped newt *Notophthalmus perstriatus*	-	C	Xeric upland communities, principally sand hill but also scrub, occasionally in pine flatwoods. Breeds in isolated, mostly ephemeral wetlands; occasional fire and relatively undisturbed soil and vegetative groundcover are important terrestrial habitat components	Low; while there are some suitable uplands on the site, there are no ephemeral wetlands or vernal pools to support breeding	No further consultation/permit needed.
Birds					
Florida burrowing owl *Athene cunicularia floridana*	-	T	Found in sparsely vegetated, sandy habitats such as dry prairies, sandhills, pastures, old fields, road rights-of-ways, and open fields	Low; while there is some suitable habitat for this species onsite, no nesting burrows were observed during the site visit; furthermore, the ongoing agriculture would likely deter burrowing owls from nesting onsite.	Consultation with FFWCC is not required if no construction occurs within 33 feet of an occupied burrow; no further consultation/permit anticipated. Because suitable habitat is present onsite, there is potential for this species to move onto the site between the time of field survey and the start of construction. TRC recommends a pre-construction survey to ensure owls have not begun inhabiting the site.

Table 2. State and Federally Listed Species with Potential to Occur on or Near the Project Site					
Common Name **Scientific Name**	**Status**		**Preferred Habitat**	**Potential to Occur on Site**	**Recommended Action**
	F	**S**			
Florida sandhill crane *Antigone canadensis pratensis*	-	T	Prairies, freshwater marshes, and pasture lands. Avoids forests and deep marshes but uses transition zones and edges between these and prairies or pasture lands. Will frequent agricultural areas like feed lots and crop fields; Nest is a mound of herbaceous plant material in shallow water or on the ground in marshy areas.	Low; the site does not provide suitable nesting habitat; there is potential for this species to utilize the site for foraging.	Consultation with FFWCC is not required if no active nests within 1500 feet of site; no further consultation/permit needed.
Wood stork *Mycteria americana*	T	FT	Nests colonially in a variety of inundated forested wetlands, including cypress strands and domes, mixed hardwood swamps, sloughs, and mangroves. Forages mainly in shallow water in freshwater marshes, swamps, lagoons, ponds, tidal creeks, flooded pastures, and ditches	None; the site does not provide suitable nesting habitat or suitable foraging habitat onsite.	No further consultation/permit needed.
Flowering Plants					
Incised Groove-bur *Agrimonia incisa*	-	T	Found in sandy, dry-mesic, usually upland in the lower Coastal Plain; longleaf pine-deciduous scrub oak, sandy or sandy loam. Open pine woods or mixed pine-oak woods, bluffs, small clearings, and old roads, sometimes at the edge of more mesic habitats.	Low; potentially suitable habitat present within the pine-oak forested area	Consultation/permit not required to affect state listed species on one own's property. No further surveys needed.
Many-flowered grass pink *Calopogon multiflorus*	-	T	Dry to moist flatwoods with longleaf pine, wiregrass, saw palmetto	None; no suitable habitat for this species onsite.	No further surveys/consultation/permit needed.

Table 2. State and Federally Listed Species with Potential to Occur on or Near the Project Site					
Common Name **Scientific Name**	**Status**		**Preferred Habitat**	**Potential to Occur on Site**	**Recommended Action**
	F	**S**			
Godfrey's swamp privet *Forestiera godfreyi*	-	E	Upland hardwood forests with limestone at or near the surface, often on slopes above lakes and rivers	**Moderate**; there is suitable habitat for this species onsite within the upland hardwoods.	Consultation/permit not required to affect state listed species on one own's property. No further surveys needed.
Hartwrightia *Hartwrightia floridana*	-	T	Seepage slopes, edges of baygalls and springheads, wet prairies, and flatwoods with wet, peaty soils. Often with hooded pitcher plants or, in central FL, cutthroat grass.	None; no suitable habitat for this species onsite.	No further surveys/consultation/permit needed.
Florida spiny-pod *Matelea floridana*	-	E	Upland hardwood forests, with laurel oak, red oak, pignut or mockernut hickory, spruce, pine, and southern magnolia. A variety of wooded habitats from moist woods, such as those in lime sink areas, to dry, open oak-hickory or oak-hickory-pine upland forests	**Moderate**; there is suitable habitat for this species onsite within the upland hardwoods.	Consultation/permit not required to affect state listed species on one own's property. No further surveys needed.
Florida mountain-mint *Pycnanthemum floridanum*	-	T	Sandhills, pinewoods, hammocks	Low; there is some suitable habitat on the site	Consultation/permit not required to affect state listed species on one own's property. No further surveys needed.
Florida willow *Salix floridana*	-	E	Springheads, edges of spring runs, hydric hammocks, floodplains	None; no suitable habitat for this species onsite.	No further surveys/consultation/permit needed.
Silver buckthorn *Sideroxylon alachuense*	-	E	Margins of ponds	None; no suitable habitat for this species onsite.	No further surveys/consultation/permit needed.
Notes: Federal Status (F): E = Endangered, T = Threatened, C = Candidate, PT = Proposed Threatened, State Status (S): FE = Federally Endangered, FT = Federally Threatened, SE= State Endangered, ST = State Threatened, SCC = Species of Special Concern					
Sources: FNAI, 2022a; FNAI, 2022b; USFWS, 2022; TRC, 2022.					

The USFWS Species List (Appendix B) identified three federally protected species and two candidate wildlife species that could potentially occur on or near the Project site. These include the Squirrel Chimney cave shrimp, wood stork, Eastern indigo snake, gopher tortoise (candidate species), and monarch butterfly (candidate species). (USFWS, 2022)

The FNAI Biodiversity Matrix Report (Appendix C) identified four additional state-protected wildlife species and eight state-protected plant species as having the potential to occur on or near the Project site (FNAI, 2022).

No known records for state or federally listed species were identified on the Project site in the site-specific FNAI Element Occurrence Report (FNAI, 2022a). The FNAI biodiversity matrix identifies two protected species likely to occur on or near the Project site: the wood stork and Eastern indigo snake.

According to USFWS (2022), there are no federally listed plant species with the potential to occur on the site. Therefore, no additional surveys or agency consultation with respect to federally listed plant species are necessary.

According to FNAI (2022a), there are eight state-listed plant species with the potential to occur on the site. There are no known records of any of these species in the site vicinity. There is potentially suitable habitat for four of the plant species. There is no requirement to consult with or obtain a permit from the State to remove any plant species if it is done on one's own property. TRC does not recommend additional surveys or agency consultation with respect to state-listed plant species.

Nine wildlife species were identified by USFWS (USFWS, 2022) or FNAI (FNAI, 2022a) as having potential to occur on or near the Project site. The site lacks suitable habitat for two of these species: the monarch butterfly and wood stork. Since these species would not occur on the site, the Project has no potential to adversely affect them and future surveys, agency consultation, or permits for these species will not be needed.

The **gopher tortoise** is threatened in Florida and is a candidate for listing at the federal level. The tortoise occupies high, dry sandy habitats such as longleaf pine-xeric oak sandhills, scrub, dry hammocks, dry flatwoods, dry prairies, and a variety of disturbed habitats, such as pastures. While much of the site is actively managed agriculture, some suitable habitat is present for this species. TRC biologists, who are also FFWCC authorized gopher tortoise agents, conducted a survey for gopher tortoise burrows during the site visit in May 2022. No burrows or other evidence of the gopher tortoise was observed on the project site or immediately adjacent to the site. Protection measures for this species pertain to avoiding land disturbing activities within 25 feet of any potentially occupied gopher tortoise burrow. Because no burrows were observed on or adjacent to the project site, agency consultation or future surveys are not required for this species. However, given the presence of suitable habitat, there is potential for this species to move onto the site between the time of field survey and the start of construction. TRC recommends a pre-construction survey using the recommended survey methodology for this species to ensure tortoises have not

begun inhabiting the site. TRC also recommends silt fencing around the project site to prevent tortoises from moving onsite during clearing and construction.

The **Eastern indigo snake** is a federally threatened species that requires large tracts of lands with a mosaic of habitat types to survive. They occupy a variety of habitat types with a preference for uplands, but also utilize some wetlands and agricultural areas. Eastern indigo snakes will often seek shelter inside gopher tortoise burrows. While most of the site is actively managed agriculture, there is some potential habitat. TRC did not observe this species, or any gopher tortoise burrows during the May 2022 field survey. Because the site and surrounding area provides little benefit to the snake and due to the lack of gopher tortoise burrows, there is little reason to believe the eastern indigo snake would occur on the site. As such, agency consultation or future surveys are not anticipated for this species.

The **short-tailed snake** is a state threatened reptile species that is endemic to Florida. It is fossorial, meaning it is adapted to digging and living underground. It can be found burrowed in sandy soils in long-leaf pine and xeric oak sandhills, scrub, and xeric hammocks. The site provides little suitable habitat for this species, and it was not observed during the May 2022 field visit. Specific conservation guidelines have not been developed for this species. Impacts to this species should be avoided if it is observed during construction activities. As such, agency consultation or future surveys are not anticipated for this species.

The **striped newt** was recently designated as a Candidate Species for listing in the state of Florida. The listing process for the species is expected to be completed in 2022. They inhabit fire-maintained xeric upland communities, principally sand hill but also scrub, and pine flatwoods. They breed in isolated, fish free ephemeral wetlands. Undisturbed soil and vegetative groundcover are essential for this species' survival. The Site is not fire maintained and no suitable breeding habitat was present on the Site. Furthermore, the striped newt is only a candidate species and is not afforded any protection at this time. Therefore, agency consultation or future surveys will not be required for this species.

The **Florida sandhill crane** is a state threatened bird species. They forage in a variety of open habitats with low groundcover vegetation including shallow marshes, improved pastures, prairies, open pine forests, croplands, and open fields. Nesting and roosting are limited to shallow freshwater marshes. Protection measures for this species pertain to avoiding impacts to active nests (no impacts within 1500 feet of an active nest). The project site has ample habitat for this species to forage, but there is no suitable nesting habitat. As such, agency consultation or future surveys will not be required for this species.

The **Florida burrowing owl** is a state threatened bird species. It inhabits open areas with short groundcover such as dry prairies, pastures, agricultural fields, golf courses, airports, and vacant lots. This small long-legged owl lives in pairs or loose colonies and uses burrows for breeding and sheltering. The agricultural fields onsite provide some suitable habitat for this species, but the long-term and frequent disturbances would likely deter the owl from using these fields. No owls or their burrows were observed during the April 2021 or May 2022 site visit, conducted by TRC and no owls or nests have been documented on or adjacent to the Site. Activities occurring within 33 feet

of a potentially occupied burrow during breeding season (February 15 to July 10) or any disturbance within 10 feet of a potentially occupied burrow any time of year are prohibited without a permit from the FFWCC. Given the presence of suitable habitat, there is potential for this species to move onto the site between the time of field survey and the start of construction. TRC recommends a pre-construction survey using the recommended survey methodology for this species to ensure owls have not begun inhabiting the site. Incidental take permits for this species may be issued by the FFWCC on a case-by-case basis and may require mitigation. The FFWCC review will include assessment of whether the proposed construction activities could significantly modify habitat (e.g., more than 50% of total habitat loss within 1,970-foot radius circle around potentially occupied nest).

The **Squirrel Chimney cave shrimp** is a federally threatened crustacean species. This species only inhabits the Squirrel Chimney sinkhole and associated flooded cave system. It has not been recorded since 1973, which raises fears that it may be extinct. There is a deep, water-filled sinkhole in the southwest portion of the site that is located within the limits of the Squirrel Chimney cave system. Alachua County requires a 75-foot average (50 foot minimum) buffer around sinkholes. Given that the sinkhole and surrounding buffer are likely to be preserved, impacts to this species are not anticipated. In addition, it was determined that no Federal recovery plan for this species was warranted because it is known only from a single, privately-owned location, and a recovery plan would not further its conservation. Therefore, future surveys and agency consultation are not anticipated.

The **wood stork** is a federally threatened bird species. They nest in inundated forested wetlands, such as, cypress stands and mixed hardwoods swamps and sloughs. There is no suitable nesting habitat on or adjacent to the Site. According to the USFWS, suitable foraging habitat for the wood stork includes wetlands with shallow open water areas that are relatively calm and have a permanent or seasonal water depth of 2 to 15 inches. While the Site has a PEM wetland on the Site, it did not provide the depth of water required for foraging. Therefore, no future surveys or agency consultation are needed for this species.

5.3 Migratory Birds

According to the USFWS (2022), ten species of migratory birds, protected by the MBTA or GEPA are of particular concern for the Project area. These species, their preferred nesting habitat, and breeding seasons are summarized in Table 3. There is potentially suitable breeding habitat for several of these birds onsite. To avoid impacts to these species or other migratory birds, the USFWS recommends limiting construction activities to a time of year when birds are not nesting. If this is not feasible, the USFWS recommends conducting pre-construction surveys to identify nests and providing protective buffers when present, educating workers about relevant rules and procedures, and using trained biological monitors during construction activities.

Table 3. Protected Migratory Birds that may Breed in Project Vicinity			
Species	**Preferred Nesting/Breeding Habitat**	**Breeding Time of Year**	**Potential for Project Impact/ Recommendations**
American kestrel *Falco sparverius paulus*	Tall dead trees or utility poles generally with an unobstructed view of surroundings. Sandhill habitats seem to be preferred but may also occur in flatwoods settings.	4/1 to 8/31	Potential for nesting onsite; conduct pre-construction surveys if construction proposed during nesting season;
Bald eagle *Haliaeetus leucocephalus*	Large trees in forested areas adjacent to large bodies of water	9/1 to 7/31	Not likely to nest onsite; no known nests within 5 miles of the Site and none observed during the Site visit.
Red-headed woodpecker *Melanerpes erythrocephalus*	Deciduous forests with oak or beech, groves of dead or dying trees, river bottoms, clearings, farmland, grasslands with scattered trees, forest edges, and roadsides	5/10 to 9/10	Limited potential for nesting onsite in forested areas; conduct pre-construction survey and protect any active nests during construction or avoid construction during nesting season
Swallow-tailed kite *Elanoides forcatus*	Wooded river swamps; requires tall trees for nesting and nearby open country with abundant prey	3/10 to 6/30	No nesting habitat onsite; no further action needed
Black Skimmer *Rynchops niger*	lay eggs directly on sandy, shelly, or stony ground, usually on islands or remote beaches that have at least a little vegetation. Some nest in the higher parts of saltmarshes.	5/20 to 9/15	No nesting habitat onsite; no further action needed
Great Blue Heron *Ardea herodias occidentalis*	Nests in trees or shrubs near water, sometimes on ground in areas free of predators.	1/1 to 12/31	No nesting habitat onsite; no further action needed
Henslow's Sparrow *Ammodramus henslowii*	breeds throughout the northeastern U.S., Midwestern U.S., and into southern Ontario	Breeds elsewhere	Does not breed in Florida; no further action needed
Lesser Yellowlegs *Tringa flavipes*	breeds in the meadows and open woodlands of boreal Canada	Breeds elsewhere	Does not breed in Florida; no further action needed
Magnificent Frigatebird *Fregata magnificens*	nest and roost in mangrove cays on coral reefs and in low trees and shrubs on islands	10/1 to 4/30	No nesting habitat onsite; no further action needed
Prairie Warbler *Dendroica discolor*	nests mainly in young second growth scrub and densely overgrown fields	5/1 to 7/31	Potential for nesting onsite; conduct pre-construction surveys if construction proposed during nesting season;
Source: USFWS, 2022			

5.3.1 *Bald Eagles*

No known bald eagle nests are documented within 1 mile of the Project site (FFWCC, 2022b) and none were observed onsite during the May 2022 field visit. The closest documented bald eagle nest is over five miles southeast of the Project site.

6.0 Recommendations

There are 9 state or federally protected (or proposed for federal protection) wildlife species and 8 state protected plant species with the potential to occur on or near the Project site. Of these 17 species, the Project site only provides suitable habitat for 7 listed wildlife species (Squirrel Chimney cave shrimp, gopher tortoise, Eastern indigo snake, short-tailed snake, striped newt, Florida burrowing owl, and Florida sandhill crane) and four listed plant species (incised groove-bur, Godfrey's swamp privet, Florida spiny pod, and Florida mountain mint).

There is suitable habitat for four of the state listed plant species; however, none of these species were observed during the May 2022 site visit. In addition, Florida does not require consultation or permits to impact state listed plants on one's own property. Therefore, TRC does not recommend any further surveys or consultation.

The Squirrel Chimney cave shrimp occurs only in one sinkhole and there is no federal recovery plan for this species. It has not been recorded since 1973 which raises fears that it may be extinct. It is TRC's understanding that sinkholes will be avoided during construction. Therefore, adverse impacts to this species are unlikely and consultation with USFWS for this species is not anticipated.

The various upland areas within the Project site provide some suitable habitat for the rest of the wildlife species. Presently, it is TRC's opinion that this Project is not likely to adversely impact any of these species.

Given the presence of suitable habitat, there is potential for the gopher tortoise and/or the Florida burrowing owl to move onto the site between the time of field survey and the start of construction. TRC recommends a pre-construction survey using the recommended survey methodologies for these species to ensure they have not begun inhabiting the site. TRC also recommends Solariant install a silt fence around the project site to prevent gopher tortoises and deter burrowing owls from moving onto the site during clearing and construction.

7.0 References

FDOT, 1999. Florida Department of Transportation: "Florida Land Use Cover and Forms Classification System", Handbook, January 1999. Land Use Classifications (1999)

FFWCC, 2022a. Florida Fish and Wildlife Conservation Commission Waterbird Locator website, 2021. Download date: 2022-06-10. http://atoll.floridamarine.org/waterBirds/

FFWCC, 2022b. FFWCC Eagle Nest Locator website, 2022. Download date: 2022-06-10 https://public.myfwc.com/FWRI/EagleNests/nestlocator.aspx#search

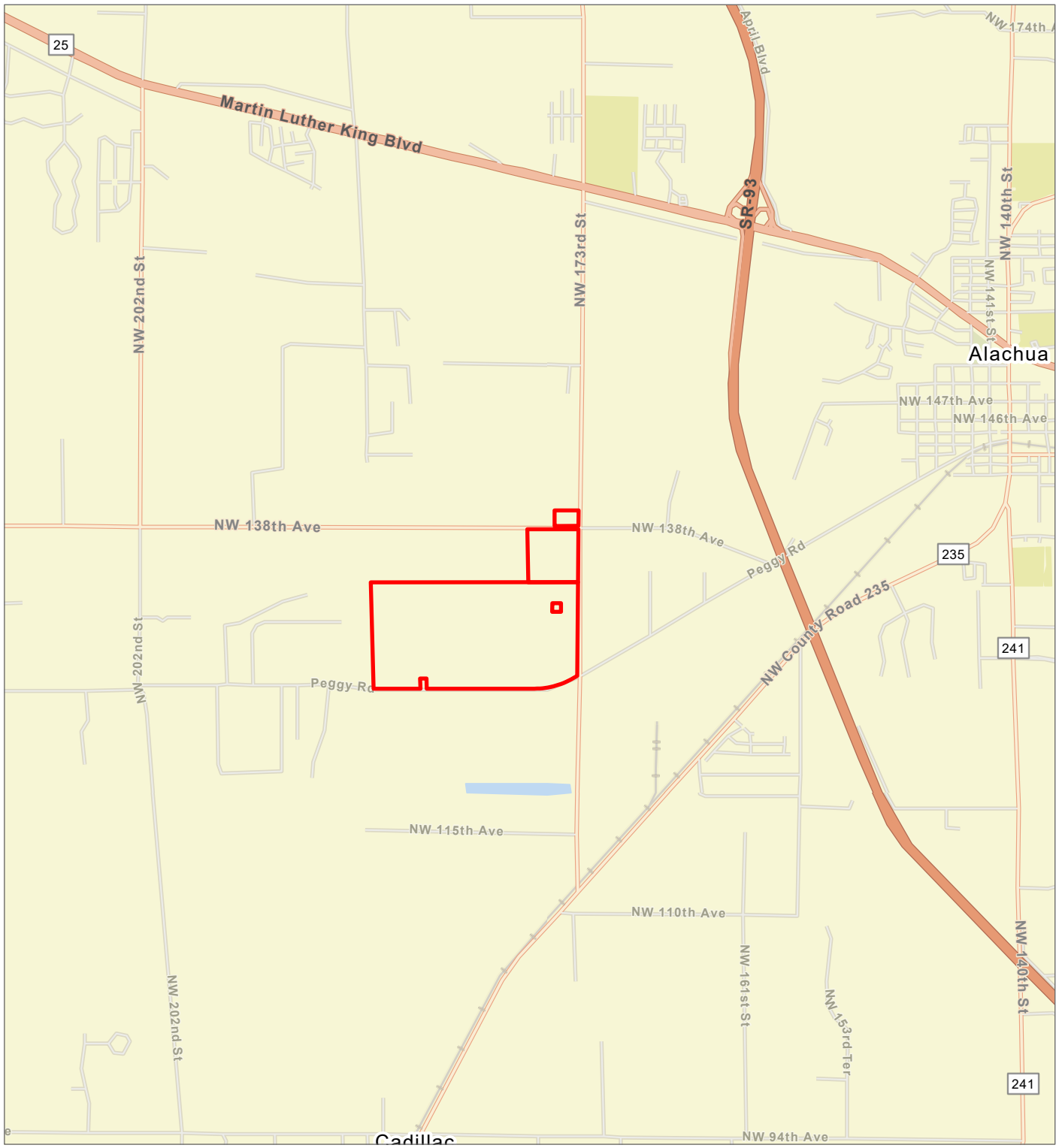
FNAI, 2022a. Florida Natural Areas Inventory, Element Occurrence and Biodiversity Matrix Reports. (Attachment C)

FNAI, 2022b. Florida Natural Areas Inventory Element Tracking Summary. Download date: 202-06-16 https://www.fnai.org/PDF/Element_tracking_summary_current.pdf

USDA, NRCS, 2022. USDA, NRCS SSURGO Database for Alachua County 2022. Publication date: 2021-08-27. Download date: 2022-06-01. https://websoilsurvey.sc.egov.usda.gov/

USFWS, 2022. United States Fish and Wildlife Service, Information for Planning and Consultation Official Species List (Attachment B).

Attachment A
Figures



PROPERTY BOUNDARY

BASE MAP: ESRI WORLD STREET MAP
DATA SOURCES: TRC

N

0 1,000 2,000

FEET

1:48,000 1" = 4,000'



PROJECT: SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE: SITE LOCATION MAP

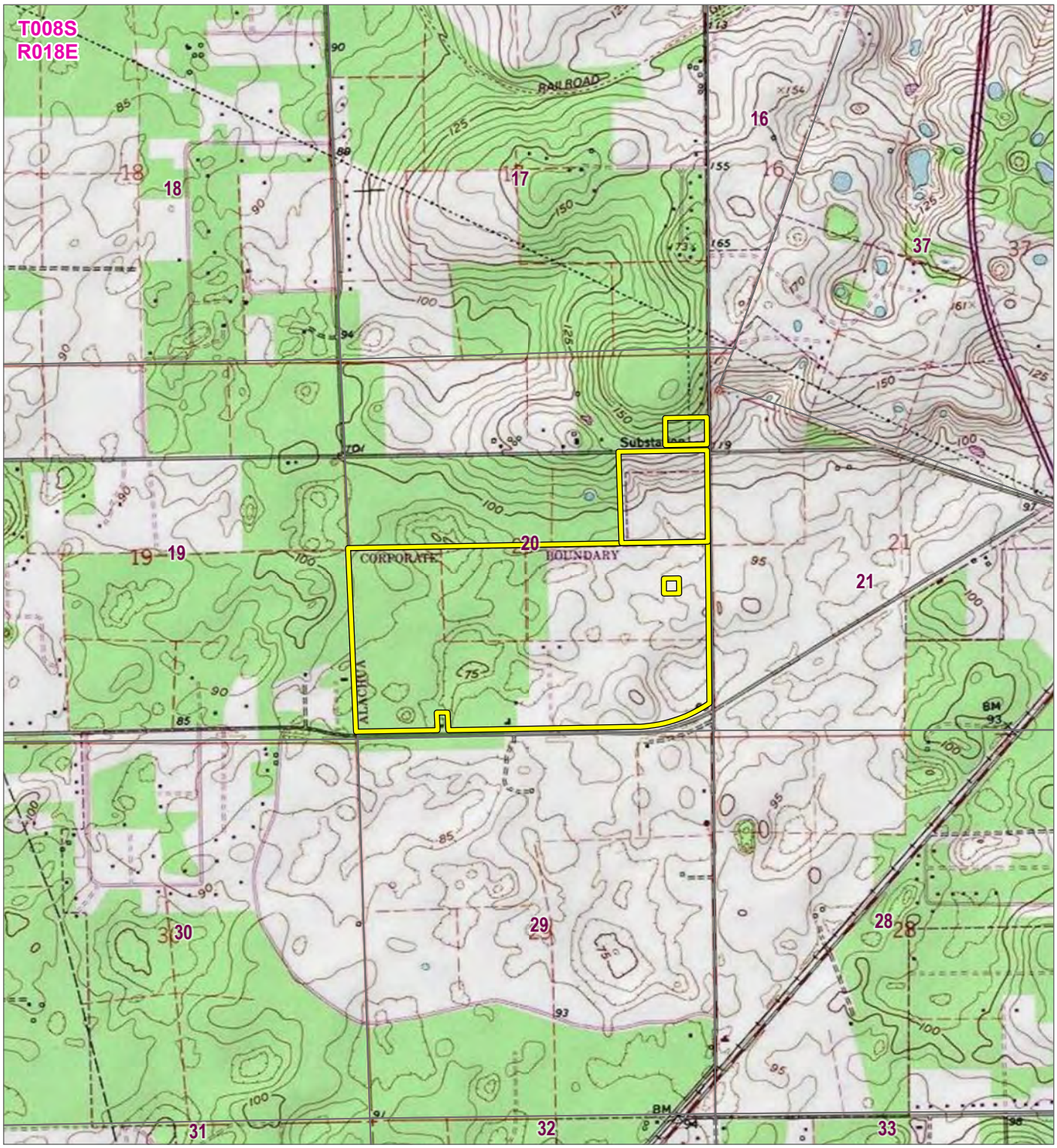
DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING		
APPROVED BY:	J. MANIKOWSKI		
DATE:	JUNE 2022		

FIGURE 1

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: PLEASANT_SOLAR_2022

COORDINATE SYSTEM: WGS 1984 WEB MERCATOR AUXILIARY SPHERE; MAP ROTATION: 0
-- SAVED BY: JWELCH ON 6/15/2022, 09:49:02 AM; FILE PATH: T:\1-PROJECTS\SOLARIANT\495474_PLEASANT_SOLAR\2-APRX\PLEASANT_SOLAR_2022.APRX; LAYOUT NAME: FIG 1 SITE LOCATION MAP



PLEASANT SOLAR PARCELS

BASE MAP: USGS TOPO
DATA SOURCES: TRC

0 1,000 2,000
FEET
1:24,000 1" = 2,000'

AL GA FL

PROJECT: SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

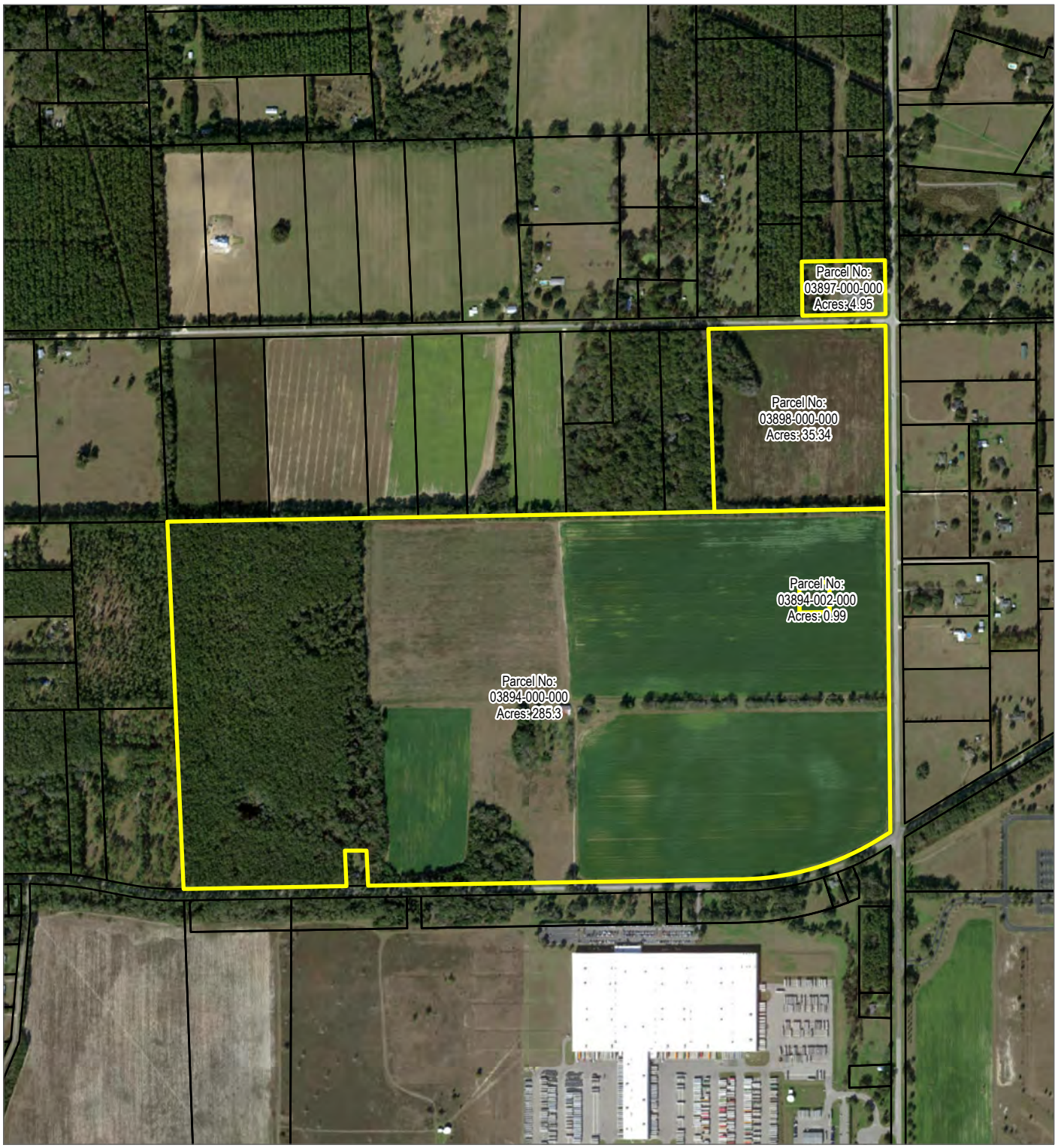
TITLE: U.S. TOPOGRAPHIC MAP

DRAWN BY:	R. SPRING	PROJ. NO.:	495474
CHECKED BY:	D. SWEENEY		
APPROVED BY:	J. MANIKOWSKI		FIGURE 2
DATE:	APRIL 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: Pleasant_Solar.aprx

COORDINATE SYSTEM: NAD 1983 STATEPLANE FLORIDA NORTH FIPS 0903 FEET: MAP ROTATION: 0
-- SAVED BY: RSPRING ON 4/19/2021 11:13:35 AM: FILE PATH: \\EMPLOYEES\GIS\ARCGIS\PRO\1-PROJECTS\SOLARIANT\437577_PLEASANT_SOLAR\2-APRX\PLEASANT_SOLAR.APRX: LAYOUT NAME: FIG 1 PLEASANT SOLAR PROJECT OVERVIEW



PROPERTY BOUNDARY

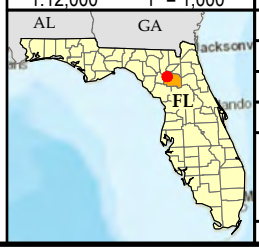
ALACHUA COUNTY PARCEL BOUNDARY

N

0 500 1,000

FEET

1:12,000 1" = 1,000'



BASE MAP: ESRI AERIAL IMAGERY
DATA SOURCES: TRC, ALACHUA COUNTY GIS

PROJECT: **SOLARIANT CAPITAL, LLC**
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE: **AERIAL MAP**

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING		
APPROVED BY:	J. MANIKOWSKI		**FIGURE 3**
DATE:	JUNE 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: PLEASANT_SOLAR_2022

COORDINATE SYSTEM: NAD 1983 2011 STATEPLANE FLORIDA NORTH FIPS 0903 FT US; MAP ROTATION: 0
-- SAVED BY: JWELCH ON 6/16/2022, 16:43:35 PM; FILE PATH: T:\1-PROJECTS\SOLARIANT\495474_PLEASANT_SOLAR\2-APRX\PLEASANT_SOLAR_2022 APRX; LAYOUT NAME: FIG 3 AERIAL MAP



PROPERTY BOUNDARY

LANDUSE DESCRIPTION AND ACREAGE:

- 1110: LOW DENSITY, FIXED SINGLE FAMILY UNITS (0.40)
- 2140: ROW CROPS (124.02)
- 2153: HAY FIELDS (84.51)
- 2600: OTHER OPEN LANDS (RURAL) (5.28)
- 2610: FALLOW CROPLAND (16.6)
- 4140: PINE - MESIC OAK (0.94)
- 4200: UPLAND HARDWOOD FORESTS (89.83)
- 8315: ELECTRIC POWER SUB STATIONS (3.82)
- 8320: ELECTRICAL POWER TRANSMISSION LINES (0.19)

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER.
DATA SOURCES: TRC, FDEP



N

1:6,000
1" = 500'

0 500 1,000 FEET

PROJECT: **SOLARIANT CAPITAL, LLC**
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

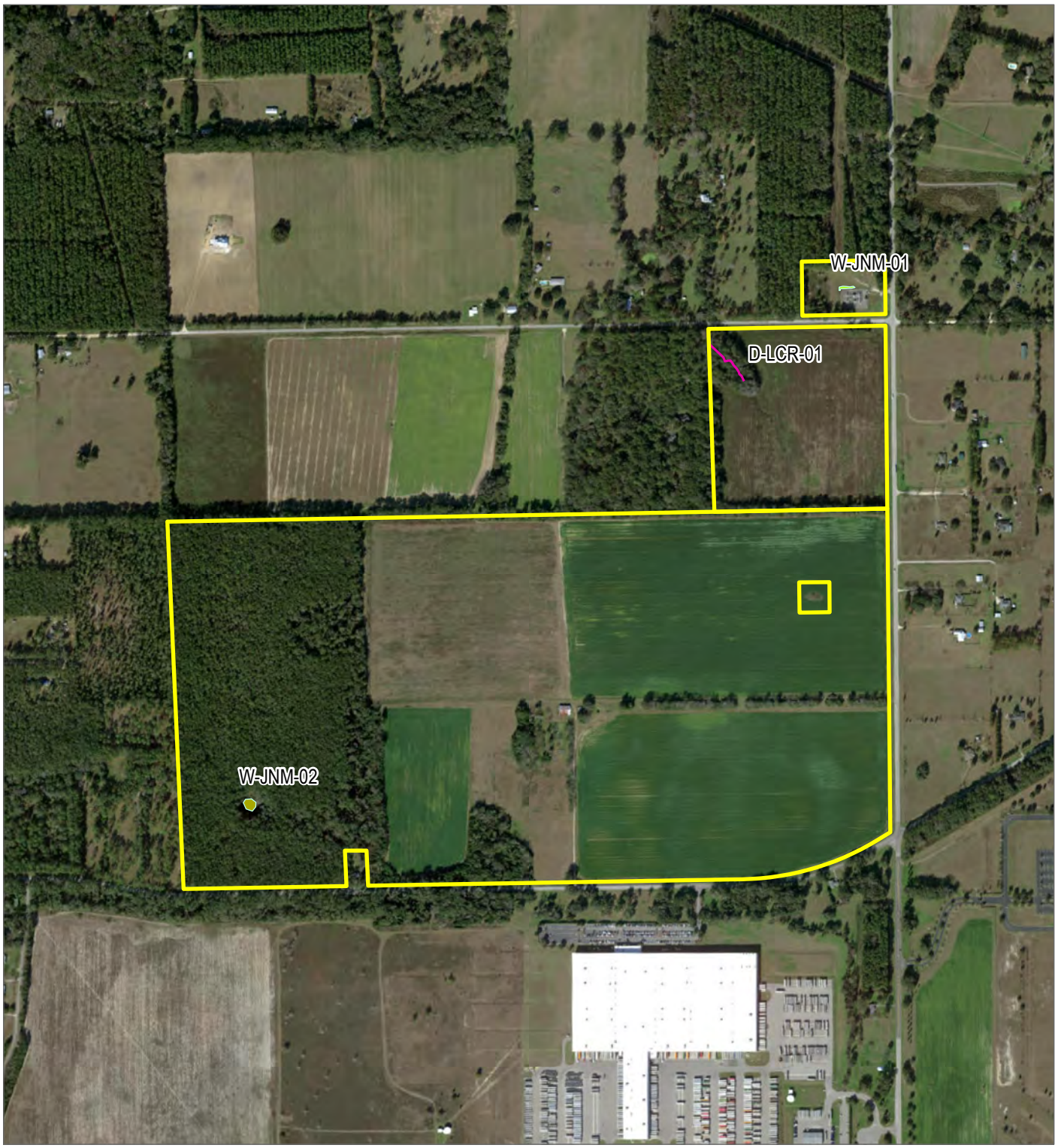
TITLE: **VEGETATION AND LAND USE**

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING	**FIGURE 4**	
APPROVED BY:	J. MANIKOWSKI		
DATE:	JUNE 2022		

TRC
4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: Pleasant_Solar_2022.aprx

Coordinate System: NAD 1983 StatePlane Florida North FIPS 0903 Feet; Map Rotation: 0
-- Saved By: JWELCH on 6/16/2022, 16:43:35 PM; File Path: T:\1-PROJECTS\Solariant\495474_Pleasant_Solar\2-APRX\Pleasant_Solar_2022.aprx; Layout Name: Fig 5 Pleasant Solar Veg and Land Use



PROPERTY BOUNDARY

WETLAND

PEM (0.038 ACRES)

PSS (0.12 ACRES)

NON-JD DRAINAGE LINE

BASE MAP: ESRI AERIAL IMAGERY
DATA SOURCES: TRC, ALACHUA COUNTY GIS

N

0 500 1,000

FEET

1:12,000 1" = 1,000'



PROJECT:

SOLARIANT CAPITAL, LLC
PLEASANT SOLAR
ALACHUA COUNTY, FLORIDA

TITLE:

WETLAND AND WATERBODY DELINEATION

DRAWN BY:	J. WELCH	PROJ. NO.:	495474
CHECKED BY:	R. SPRING		
APPROVED BY:	J. MANIKOWSKI		**FIGURE 5**
DATE:	JUNE 2022		

TRC

4155 SHACKLEFORD ROAD
SUITE 225
NORCROSS, GA 30093
PHONE: 770.270.1192

FILE: PLEASANT_SOLAR_2022

COORDINATE SYSTEM: NAD 1983 2011 STATEPLANE FLORIDA NORTH FIPS 0903 FT US; MAP ROTATION: 0
-- SAVED BY: JWELCH ON 6/15/2022, 14:35:33 PM; FILE PATH: T:\1-PROJECTS\SOLARIANT\495474_PLEASANT_SOLAR\2-APRX\PLEASANT_SOLAR_2022 APRX; LAYOUT NAME: FIG 7 WETLAND AND WATERBODY

Attachment B
USFWS IPaC Resource List

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Alachua County, Florida



NOT FOR CONSULTATION

Local office

Florida Ecological Services Field Office

TBD

TBD

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

NOT FOR CONSULTATION

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Wood Stork *Mycteria americana* No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8477	Threatened

Reptiles

NAME	STATUS
Eastern Indigo Snake *Drymarchon couperi* Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/646	Threatened
Gopher Tortoise *Gopherus polyphemus* No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6994	Candidate

Insects

NAME	STATUS

NOT FOR CONSULTATION

Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Crustaceans

NAME	STATUS
Squirrel Chimney Cave Shrimp Palaemonetes cummingi Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1551	Threatened

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

NOT FOR CONSULTATION

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

NOT FOR CONSULTATION

American Kestrel Falco sparverius paulus — Breeds Apr 1 to Aug 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/9587

Bald Eagle Haliaeetus leucocephalus — Breeds Sep 1 to Jul 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

Black Skimmer Rynchops niger — Breeds May 20 to Sep 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/5234

Great Blue Heron Ardea herodias occidentalis — Breeds Jan 1 to Dec 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Henslow's Sparrow Ammodramus henslowii — Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3941

Lesser Yellowlegs Tringa flavipes — Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9679

Magnificent Frigatebird Fregata magnificens — Breeds Oct 1 to Apr 30

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

NOT FOR CONSULTATION

Prairie Warbler Dendroica discolor — Breeds May 1 to Jul 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Red-headed Woodpecker Melanerpes erythrocephalus — Breeds May 10 to Sep 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Swallow-tailed Kite Elanoides forficatus — Breeds Mar 10 to Jun 30
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/8938

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

NOT FOR CONSULTATION

2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

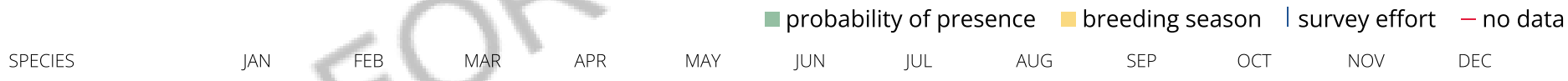
Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

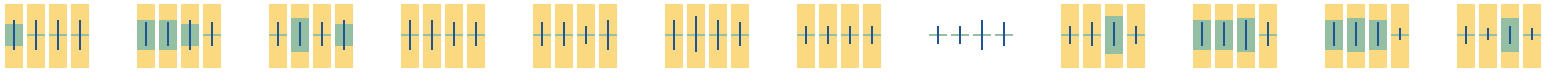


NOT FOR CONSULTATION

American Kestrel BCC - BCR (This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA)



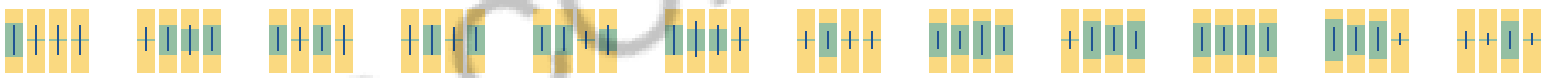
Bald Eagle Non-BCC Vulnerable (This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.)



Black Skimmer BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Great Blue Heron BCC - BCR (This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA)



NOT FOR CONSULTATION

Henslow's Sparrow BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Lesser Yellowlegs BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



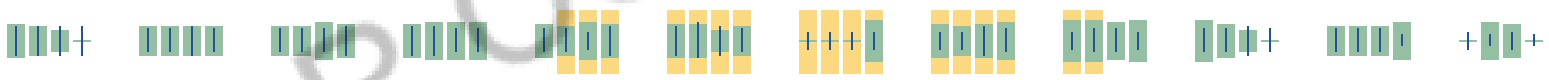
Magnificent Frigatebird BCC - BCR (This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA)



Prairie Warbler BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Red-headed Woodpecker BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



NOT FOR CONSULTATION

Swallow-tailed Kite BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the AKN Phenology Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

NOT FOR CONSULTATION

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

NOT FOR CONSULTATION

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Coastal Barrier Resources System

Projects within the John H. Chafee Coastal Barrier Resources System (CBRS) may be subject to the restrictions on federal expenditures and financial assistance and the consultation requirements of the Coastal Barrier Resources Act (CBRA) (16 U.S.C. 3501 et seq.). For more information, please contact the local Ecological Services Field Office or visit the CBRA Consultations website. The CBRA website provides tools such as a flow chart to help determine whether consultation is required and a template to facilitate the consultation process.

THERE ARE NO KNOWN COASTAL BARRIERS AT THIS LOCATION.

Data limitations

The CBRS boundaries used in IPaC are representations of the controlling boundaries, which are depicted on the official CBRS maps. The boundaries depicted in this layer are not to be considered authoritative for in/out determinations close to a CBRS boundary (i.e., within the "CBRS Buffer Zone" that appears as a hatched area on either side of the boundary). For projects that are very close to a CBRS boundary but do not clearly intersect a unit, you may contact the Service for an official determination by following the instructions here: https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation

NOT FOR CONSULTATION

Data exclusions

CBRS units extend seaward out to either the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward extent of the units is not shown in the CBRS data, therefore projects in the offshore areas of units (e.g., dredging, breakwaters, offshore wind energy or oil and gas projects) may be subject to CBRA even if they do not intersect the CBRS data. For additional information, please contact CBRA@fws.gov.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

NOT FOR CONSULTATION

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

Palustrine

A full description for each wetland code can be found at the National Wetlands Inventory website

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons

NOT FOR CONSULTATION

intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

Attachment C
FNAI Biodiversity Matrix

1018 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
850-224-8207
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www.fnai.org

Florida Natural Areas Inventory

Biodiversity Matrix Query Results

UNOFFICIAL REPORT

Created 6/17/2022

(Contact the FNAI Data Services Coordinator at 850.224.8207 or kbrinegar@fnai.fsu.edu for information on an official Standard Data Report)

NOTE: The Biodiversity Matrix includes only rare species and natural communities tracked by FNAI.

Report for 4 Matrix Units: 24075 , 24076 , 24328 , 24329



Descriptions

DOCUMENTED - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit.

DOCUMENTED-HISTORIC - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit; however the occurrence has not been observed/reported within the last twenty years.

LIKELY - The species or community is *known* to occur in this vicinity, and is considered likely within this Matrix Unit because:

1. documented occurrence overlaps this and adjacent Matrix Units, but the documentation isn't precise enough to indicate which of those Units the species or community is actually located in; *or*
2. there is a documented occurrence in the vicinity and there is suitable habitat for that species or community within this Matrix Unit.

POTENTIAL - This Matrix Unit lies within the known or predicted range of the species or community based on expert knowledge and environmental variables such as climate, soils, topography, and landcover.

Matrix Unit ID: 24075

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

2 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Drymarchon couperi Eastern Indigo Snake	G3	S2?	T	FT
Upland hardwood forest	G5	S3	N	N

Matrix Unit ID: 24076

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

3 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Drymarchon couperi Eastern Indigo Snake	G3	S2?	T	FT
Mycteria americana Wood Stork	G4	S2	T	FT
Upland hardwood forest	G5	S3	N	N

Matrix Unit ID: 24328

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

2 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Drymarchon couperi Eastern Indigo Snake	G3	S2?	T	FT
Upland hardwood forest	G5	S3	N	N

Matrix Unit ID: 24329

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

3 **Likely** Elements Found

Scientific and Common Names	Global	State	Federal	State

	Rank	Rank	Status	Listing
Drymarchon couperi Eastern Indigo Snake	G3	S2?	T	FT
Mycteria americana Wood Stork	G4	S2	T	FT
Upland hardwood forest	G5	S3	N	N

Matrix Unit IDs: 24075 , 24076 , 24328 , 24329

25 **Potential** Elements Common to Any of the 4 Matrix Units

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Agrimonia incisa incised groove-bur	G3	S2	N	T
Antigone canadensis pratensis Florida Sandhill Crane	G5T2	S2	N	ST
Asplenium x curtissii Curtiss' spleenwort	GNA	S1	N	N
Asplenium x heteroresiliens Morzenti's spleenwort	G2	S1	N	N
Asplenium x plenum ruffled spleenwort	G1Q	S1	N	N
Athene cunicularia floridana Florida Burrowing Owl	G4T3	S3	N	ST
Calopogon multiflorus many-flowered grass-pink	G2G3	S2S3	N	T
Forestiera godfreyi Godfrey's swampprivet	G2	S2	N	E
Gopherus polyphemus Gopher Tortoise	G3	S3	C	ST
Hartwrightia floridana hartwrightia	G2	S2	N	T
Hydroptila wakulla Wakulla Springs Vari-colored Microcaddisfly	G2	S2	N	N
Lampropeltis extenuata Short-tailed Snake	G3	S3	N	ST
Lithobates capito Gopher Frog	G2G3	S3	N	N
Matelea floridana Florida spiny-pod	G2	S2	N	E
Melanoplus querneus Larger Sandhill Grasshopper	G2G3	S2S3	N	N
Myotis austroriparius Southeastern Myotis	G4	S3	N	N
Neofiber alleni Round-tailed Muskrat	G2	S2	N	N
Notophthalmus perstriatus Striped Newt	G2G3	S2	N	C

Peucaea aestivalis Bachman's Sparrow	G3	S3	N	N
Podomys floridanus Florida Mouse	G3	S3	N	N
Pycnanthemum floridanum Florida mountain-mint	G3	S3	N	T
Salix floridana Florida willow	G2G3	S2S3	N	E
Sciurus niger niger Southeastern Fox Squirrel	G5T5	S3	N	N
Sideroxylon alachuense silver buckthorn	G1	S1	N	E
Ursus americanus floridanus Florida Black Bear	G5T4	S4	N	N

Disclaimer

The data maintained by the Florida Natural Areas Inventory represent the single most comprehensive source of information available on the locations of rare species and other significant ecological resources statewide. However, the data are not always based on comprehensive or site-specific field surveys. Therefore, this information should not be regarded as a final statement on the biological resources of the site being considered, nor should it be substituted for on-site surveys. FNAI shall not be held liable for the accuracy and completeness of these data, or opinions or conclusions drawn from these data. FNAI is not inviting reliance on these data. Inventory data are designed for the purposes of conservation planning and scientific research and are not intended for use as the primary criteria for regulatory decisions.

Unofficial Report

These results are considered unofficial. FNAI offers a Standard Data Request option for those needing certifiable data.

Attachment D
Site Photographs



Photo 1: Existing Substation facing Southwest



Photo 2: Plowed field facing west



Photo 3: Fallowed field facing east



Photo 4: Upland hardwoods on central tract and non-jurisdictional drainage facing north



Photo 5: Barn facing west



Photo 6: Cemetery facing northeast



Photo 7: Sinkhole in northwest portion of site facing northeast



Photo 8: Edge of large sinkhole facing southwest



Photo 9: Upland Hardwoods in western portion of Project site facing south



Photo 10: Pine-oak Forest facing northeast

Stormwater Management System Report



www.chw-inc.com

CHW
Professional Consultants

Engineer's Certification Statement

I hereby certify that the design of the stormwater management system for the project known as Pleasant Solar has been designed substantially in accordance with the City of Alachua and Florida Department of Environmental Protection applicable rules and criteria.

Nicola R. Cowap, FL PE No. 91233

Causseaux, Hewett, & Walpole, Inc – Certificate of Authorization No. 0005075
11801 Research Drive, Alachua, Florida 32615 • Phone (352) 331-1976 • Fax (352) 331-2476 • www.chw-inc.com

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A. Drainage Calculations and Computer Model Output

B. Operation and Maintenance Requirements and Erosion and Sedimentation Control Requirements

C. Geotechnical Report(s)

Introduction

The Pleasant Solar project proposes the development of a ±320 acre solar farm on a property located in the northwestern quadrant of the intersection of Peggy Road and NW 173rd St (CR235A). The project will add ±9305 LF of access road and invertors with stormwater management being handled by the fifteen existing onsite depressions (Basins 1 through 15). As the solar panels will be raised from the ground on pillars, the areas covered by solar panels are still considered pervious.

The project site is located on tax parcels 03894-000-000 and 03898-000-000, north of Peggy Road and west of NW 173rd St in the City of Alachua. Tax parcel 03894-002-000, which is completely surrounded by tax parcel 03894-000-000, is not part of this project and will be left in its current condition. Figure 1 provides a location map and Figure 2 depicts the site on a portion of the High Springs quadrangle map. The site is in Sections 17 & 20, Township 8 South, and Range 17 East, Alachua County.

The site drains to 15 existing depressional areas (Basins 1-15) some of which are located onsite, some offsite, and some both onsite and offsite. No changes are proposed to most of the depressional areas though water quality treatment swales will be provided to the access road in watersheds which drain offsite (3). The depressions in Basins 4, 5, 6, 7, and 9 will be graded in order to reduce the amount of water below the solar panels. The basins were modeled in the pre- and post-development condition in order to determine their maximum stages. Overall, the basins provide stormwater retention onsite with no offsite discharges.

Refer to the accompanying engineering plans for details about the proposed construction and demolition with regards to this project.

Design Criteria

The design criteria for the proposed Stormwater Management Facilities are based upon the criteria set forth by the Florida Department of Environmental Protection (FDEP) and City of Alachua (CoA) for dry retention system design in a closed watershed. The criteria met by this report are:

1. Provide Water Quality Treatment Volume (WQTV) – The minimum stormwater treatment volume shall be the runoff from the first 2.0 inches of rainfall from the design storm. WQTV must be recovered within 72 hours (FDEP).

2. Provide Discharge Rate and Volume Attenuation – Attenuate the post-development peak discharge rates and volumes to be less than the pre-development peak discharge rates and volumes for the 100 year - 1 hour, 100 year - 2 hour, 100 year - 4 hour, 100 year - 8 hour, and 100 year - 24 hour (FDEP & CoA).

3. Provide Volume Recovery – Retention systems must have one-half of the total volume available within 7 days following the end of the design storm event, and the total volume must be recovered within 30 days following the end of the storm event. Alternatively, if

recovery requirements cannot be met, back-to-back storms can be routed through the system (FDEP)

4. Freeboard – Retention ponds shall have a freeboard of 1 foot above the maximum stage in order to function properly during storms greater than the design storm (FDEP)

5. Side Slopes – Side slopes steeper than 4:1 require fencing (FDEP).

The City of Alachua and the FDEP require that best management practices (BMPs) be employed to control erosion and sedimentation and an operation and maintenance entity be established.

Site Characteristics

Physical characteristics of the site are described in the following sections. Additional details are provided in the accompanying Engineering plans.

Site Topography

In the present condition, the project site largely consists of open agricultural space with isolated areas of trees. The trees occur on the property boundary between the two tax parcels, on what appears to be field boundaries, and in groups in the western portion of the site and near the existing house. The site has various high and low points and depressional areas. Site topography varies from a high of el. ±135' in the north to a low of el. 40' in the southwest, with all elevations given in NAVD88.

The site consists of 15 watersheds which drain into 15 depressional areas, listed below. In addition to the ±320 onsite acres, the depressions also provide storage for ±276 acres of offsite area.

WTRSHD-1 is located on the western edge of the site and consists of ±11.36 acres, most of which is offsite. BASIN-1, the depressional area associated with WTRSHD-1, is mostly offsite and does not appear to outfall.

WTRSHD-2 is located to the north and east of WTRSHD-1 and consists of ±29.96 acres and is mostly onsite. BASIN-2 is located in the south side of WTRSHD-2. The watershed is entirely contained onsite and outfalls to BASIN-12 at el. 84.50'.

WTRSHD-3 is located northeast of WTRSHD-2 on the northern property line and consists of ±111 acres which are mostly offsite. BASIN-3 is approximately half onsite and does not appear to outfall.

WTRSHD-4 is located east of WTRSHD-3 and consists of ±35 acres which are mostly offsite. BASIN-4 is completely contained onsite and does not outfall.

WTRSHD-5 is located east of WTRSHD-4 and consists of ±148 acres containing the northern tax parcel and the northeastern corner of the southern tax parcel. Approximately half of the watershed is located offsite and it drains to BASIN-5. BASIN-5 is completely contained onsite and outfalls to BASIN-6, located in WTRSHD-6.

WTRSHD-6 is located entirely onsite, is southwest of WTRSHD-5, consists of ±34 acres, and drains to BASIN-6, which outfalls to BASIN-9.

WTRSHD-7 is located south of WTRSHD-5 and southeast WTRSHD-6, containing the southeast corner of the site and consisting of ±82 acres. BASIN-7 is contained onsite and does not discharge.

WTRSHD-8 is located west of WTRSHD-7 and south of WTRSHD-6 and consists of ±10.5 acres and is completely contained onsite. BASIN-8 is entirely onsite but drains south via a pipe under Peggy Road, discharging to a closed basin north of the Dollar General Distribution Center.

WTRSHD-9 is located west of WTRSHD-8 and southwest of WTRSHD-6 adjacent to Peggy Road. WTRSHD-9 is completely contained onsite and consists of ±34 acres and drains to BASIN-9 which discharges to BASIN-10.

WTRSHD-10 is located west of WTRSHD-9 and east of WTRSHD-2, contained entirely onsite, consists of ±53 acres and drains to BASIN-10. BASIN-10 does not discharge but does accept discharge from BASIN-15 and BASIN-9.

WTRSHD-11 is located in the southwest corner of the site. The vast majority of WTRSHD-11 is onsite with a small sliver of offsite and it consists of ±4 acres. BASIN-11 does not discharge.

WTRSHD-12 is located northwest of WTRSHD-11 and is approximately half onsite and half-offsite. It consists of ±12 acres and drains to BASIN-12, which is also half onsite and half offsite and is not known to discharge but does accept discharge from BASIN-2.

WTRSHD-13 is located north of WTRSHD-2, consists of ±13 acres, and drains to BASIN-2 which discharges south to BASIN-12.

WTRSHD-14 is located south of WTRSHD-2, consists of ±3 acres, is contained onsite, and drains to BASIN-14 which does not discharge.

WTRSHD-15 is located northeast of WTRSHD-10, consists of ±14 acres, and is entirely contained onsite. BASIN-15 discharges to WTSHD-10.

Pre-Development Drainage

In pre-development, the site has largely been cleared for agricultural purposes. The western section of parcel 03894-000-000 was used for growing pines and has recently been cleared. Additionally, there are trees located at the north, west, and southern property lines as well as between the two parcels. The southern parcel has several copses, especially in the area around the identified wetland. The northern parcel has a copse on its northwestern corner where the existing road drains into the site via a ditch.

As several of the existing watersheds are or extend offsite, the pre-development condition was

analyzed to determine if there was an increase in offsite stages.

Refer to Figure 6 for information on the pre-development drainage patterns. Refer to Appendix A and the accompanying engineering plans for additional details.

Post-Development Drainage

In post-development, 10 of the 15 watersheds will be retained in their existing condition while basins 4, 5, 6, 7, and 9 will have their bottoms raised and flattened. Many of the internal trees will be removed, but as the solar panels will be installed on posts and suspended above the ground, the project site will remain largely pervious.

Refer to Figure 7 for information on the post-development drainage patterns. Refer to Appendix A and the accompanying engineering plans for additional details.

Soils Information

The National Resource Conservation Service (NRCS) Soil Survey for Alachua County describes the near surface soil profile as consisting of the following:

- *Arredondo fine sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'A'
- *Fort Meade fine sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'A'
- *Millhopper sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'A'
- *Lochloosa Fine Sand (2 to 5 percent slopes)* with a hydrologic soil group rating of 'B'
- *Kendrick sand (2 to 5 percent slopes)* with a hydrologic soil group rating of 'B'
- *Norfolk loamy fine sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'B'
- *Gainesville sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'A'.
- *Bonneau fine sand (2 to 5 percent slopes)* with a hydrologic soil group rating of 'C'.
-*Lake fine sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'A'.
- *Arredondo fine sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'A'
- *Millhopper Sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'A'.
- *Lochloosa Fine Sand (2 to 5 percent slopes)* with a hydrologic soil group rating of 'B'
- *Kendrick sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'B'.
- *Blichton sand (2 to 5 percent slopes)* with a hydrologic soil group rating of 'C/D'
- *Blichton sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'C/D'
- *Bivans sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'C/D'
- *Norfolk loamy fine sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'B'
- *Gainesville sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'A'.

Refer to Figure 4 for the NRCS Soils Map.

A peer review completed by GSE Engineering & Consulting, Inc. in August 2023. Based on the

Summary Report of A Peer Review, the following design parameters were determined and applied for the stormwater management facility calculations. Refer to Appendix C for further details.

- Base of mobilized aquifer: el. 0'
- Unsaturated vertical infiltration rate: 1 ft/day (includes factor of safety)
- Horizontal hydraulic conductivity: 1 ft/day (includes factor of safety)
- Fillable porosity: 20%
- Average seasonal high groundwater table: el. 45'

Drainage Analysis

The 100 year critical storms were routed through all of the depressions in order to determine the max stages in pre and post development.

Please refer to Appendix A for detailed information, routing results, and hydraulic calculations.

Analysis Methodology

The drainage analysis was conducted using the computer program ICPR v3.10 to generate runoff hydrographs and route the runoff hydrographs through the proposed stormwater management system with a groundwater mounding analysis. The required storm events were analyzed using SRWMD rainfall amounts for Alachua County (FDOT Zone 5) and FDOT distributions for the pre and post-development watersheds.

The drainage analysis was conducted using the Green-Ampt rainfall excess method, with soil characteristics obtained from the National Resources Conservation Service (NRCS) Soil Survey Geodatabase (SSURGO) and published values by Rawls and Brakensiek that identify soil parameters based on soil texture class.

Unit Hydrograph Parameters

Unit hydrograph parameters required for the drainage analysis include drainage area, percent impervious and directly connected impervious area (DCIA), and time of concentration (Tc). The NRCS TR-55 method was utilized to calculate the time of concentration for all watersheds.

The depressional areas were assumed to be 100% directly connected impervious up to the maximum stage. Due to the nature of the site, this is the only directed connected impervious in the model.

Values used in the pre-development analysis are summarized as follows:

WTRSHD-1

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
58	Lake fine sand, 0 to 5 percent slopes	351,225	8.06	4.18	4.18	4.76	51.14	0.417	4.17
3	Arredondo fine sand, 0 to 5 percent slopes	102,918	2.36	0.00	0.00	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	40,718	0.93	0.00	0.00	4.69	20.48	0.402	5.59

$T_c = 32$ min.

WTRSHD-2

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	819,980	18.82	0.41	0.41	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	223,314	5.13	34.87	34.87	4.69	20.48	0.402	5.59
30	Kendrick sand, 2 to 5 percent slopes	231,299	5.31	0.00	0.00	3.22	9.24	0.412	8.74
58	Lake fine sand, 0 to 5 percent slopes	30,542	0.70	0.00	0.00	4.76	51.14	0.417	4.17

$T_c = 21$ min.

WTRSHD-3

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	3,474,897	79.77	20.54	19.37	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	27,579	0.63	0.00	0.00	4.69	20.48	0.402	5.59
30	Kendrick sand, 2 to 5 percent slopes	934,119	21.44	5.22	0.00	3.22	9.24	0.412	8.74
33	Norfolk loamy fine sand, 2 to 5 percent slopes	365,966	8.40	5.50	0.00	4.66	4.32	0.402	5.59
73	Kendrick sand, 5 to 8 percent slopes	22,290	0.51	0.00	0.00	1.77	11.03	0.412	8.74

Tc = 29 min.

WTRSHD-4

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	1,108,832	25.46	8.84	8.84	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	136,160	3.13	0.00	0.00	4.69	20.48	0.402	5.59
5	Fort Meade fine sand, 0 to 5 percent slopes	16,485	0.38	0.00	0.00	4.76	24.70	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	111,827	2.57	26.17	0.00	3.22	9.24	0.412	8.74
33	Norfolk loamy fine sand, 2 to 5 percent slopes	148,390	3.41	4.23	0.00	4.66	4.32	0.402	5.59
35	Gainesville sand, 0 to 5 percent slopes	890	0.02	0.00	0.00	6.56	25.84	0.417	4.17

Tc = 23 min.

WTRSHD-5

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	761,423	17.48	11.33	10.18	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	3,192,943	73.30	13.41	9.34	4.76	24.70	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	234,591	5.39	0.00	0.00	4.69	20.48	0.402	5.59
29	Lochloosa fine sand, 2 to 5 percent slopes	233,989	5.37	5.90	0.00	2.56	8.98	0.412	8.74
30	Kendrick sand, 2 to 5 percent slopes	194,961	4.48	0.00	0.00	3.22	9.24	0.412	8.74
33	Norfolk loamy fine sand, 2 to 5 percent slopes	26,150	0.60	5.73	0.00	4.66	4.32	0.402	5.59
35	Gainesville sand, 0 to 5 percent slopes	598,434	13.74	33.77	33.15	6.56	25.84	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	727,382	16.70	8.74	0.00	1.94	22.77	0.417	4.17
76	Bivans sand, 5 to 8 percent slopes	401,383	9.21	2.30	0.00	1.15	1.44	0.330	17.68
78	Norfolk loamy fine sand, 5 to 8 percent slopes	90,196	2.07	0.00	0.00	4.56	4.73	0.402	5.59

Tc = 38 min.

WTRSHD-6

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	727,895	16.71	10.89	10.89	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	52,393	1.20	0.00	0.00	4.76	24.70	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	125,482	2.88	85.94	85.94	4.69	20.48	0.402	5.59
30	Kendrick sand, 2 to 5 percent slopes	15,699	0.36	0.00	0.00	3.22	9.24	0.412	8.74
35	Gainesville sand, 0 to 5 percent slopes	503,870	11.57	6.14	6.14	6.56	25.84	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	46,675	1.07	0.00	0.00	1.94	22.77	0.417	4.17

Tc = 25 min.

WTRSHD-7

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	940,189	21.58	10.25	3.98	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	1,934,848	44.42	13.33	8.11	4.76	24.70	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	156,969	3.60	6.07	0.00	3.22	9.24	0.412	8.74
35	Gainesville sand, 0 to 5 percent slopes	492,206	11.30	21.11	20.15	6.56	25.84	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	61,417	1.41	0.00	0.00	1.94	22.77	0.417	4.17

Tc = 33 min.

WTRSHD-8

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	232,774	5.34	5.12	5.12	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	125,211	2.87	11.74	11.74	4.76	24.70	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	99,400	2.28	0.00	0.00	1.94	22.77	0.417	4.17

Tc = 18 min.

WTRSHD-9

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	818,208	18.78	0.51	0.51	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	2,056	0.05	0.00	0.00	4.76	24.70	0.417	4.17
29	Lochloosa fine sand, 2 to 5 percent slopes	310,730	7.13	21.03	21.03	2.56	8.98	0.412	8.74
30	Kendrick sand, 2 to 5 percent slopes	124,143	2.85	0.00	0.00	3.22	9.24	0.412	8.74
69	Arredondo fine sand, 5 to 8 percent slopes	209,178	4.80	16.66	16.66	1.94	22.77	0.417	4.17

Tc = 22 min.

WTRSHD-10

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	1,850,927	42.49	17.79	17.79	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	229,178	5.26	0.00	0.00	4.69	20.48	0.402	5.59
29	Lochloosa fine sand, 2 to 5 percent slopes	8,586	0.20	0.00	0.00	2.56	8.98	0.412	8.74
30	Kendrick sand, 2 to 5 percent slopes	212,409	4.88	0.00	0.00	3.22	9.24	0.412	8.74
69	Arredondo fine sand, 5 to 8 percent slopes	17,080	0.39	2.12	2.12	1.94	22.77	0.417	4.17

Tc = 31 min.

WTRSHD-11

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	152,300	3.50	0.05	0.05	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	31,743	0.73	0.00	0.00	4.69	20.48	0.402	5.59

Tc = 12 min.

WTRSHD-12

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	174,498	4.01	0.00	0.00	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	305,226	7.01	28.33	28.33	4.69	20.48	0.402	5.59

58	Lake fine sand, 0 to 5 percent slopes	45,115	1.04	0.00	0.00	4.76	51.14	0.417	4.17

Tc = 16 min.

WTRSHD-13

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	536,203	12.31	0.99	0.99	1.94	23.01	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	46,526	1.07	0.00	0.00	3.22	9.24	0.412	8.74

Tc = 23 min.

WTRSHD-14

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
8	Millhopper sand, 0 to 5 percent slopes	149,698	3.44	10.55	10.55	4.69	20.48	0.402	5.59

Tc = 12 min.

WTRSHD-15

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	401,431	9.22	0.13	0.13	1.94	23.01	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	196,961	4.52	0.00	0.00	3.22	9.24	0.412	8.74

Tc = 15 min.

Values used in the post-development analysis are summarized as follows:

WTRSHD-1

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
58	Lake fine sand, 0 to 5 percent slopes	351,225	8.06	4.18	4.18	4.76	51.14	0.417	4.17
3	Arredondo fine sand, 0 to 5 percent slopes	102,918	2.36	0.00	0.00	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	40,718	0.93	0.00	0.00	4.69	20.48	0.402	5.59

T_c = 32 min.

WTRSHD-2

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	819,980	18.82	0.41	0.41	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	223,314	5.13	34.87	34.87	4.69	20.48	0.402	5.59
30	Kendrick sand, 2 to 5 percent slopes	231,299	5.31	0.00	0.00	3.22	9.24	0.412	8.74

58	Lake fine sand, 0 to 5 percent slopes	30,542	0.70	0.00	0.00	4.76	51.14	0.417	4.17

T_c = 21 min.

WTRSHD-3

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	3,474,897	79.77	20.51	19.37	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	27,579	0.63	0.00	0.00	4.69	20.48	0.402	5.59
30	Kendrick sand, 2 to 5 percent slopes	934,119	21.44	5.22	0.00	3.22	9.24	0.412	8.74
33	Norfolk loamy fine sand, 2 to 5 percent slopes	365,966	8.40	5.50	0.00	4.66	4.32	0.402	5.59
73	Kendrick sand, 5 to 8 percent slopes	22,290	0.51	0.00	0.00	1.77	11.03	0.412	8.74

Tc = 29 min.

WTRSHD-4

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	1,108,832	25.46	8.84	8.84	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	136,160	3.13	0.00	0.00	4.69	20.48	0.402	5.59
5	Fort Meade fine sand, 0 to 5 percent slopes	16,485	0.38	0.00	0.00	4.76	24.70	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	111,827	2.57	27.69	0.00	3.22	9.24	0.412	8.74
33	Norfolk loamy fine sand, 2 to 5 percent slopes	148,390	3.41	4.23	0.00	4.66	4.32	0.402	5.59
35	Gainesville sand, 0 to 5 percent slopes	890	0.02	0.00	0.00	6.56	25.84	0.417	4.17

Tc = 23 min.

WTRSHD-5

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	761,423	17.48	11.33	10.18	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	3,192,943	73.30	14.34	9.34	4.76	24.70	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	234,591	5.39	0.00	0.00	4.69	20.48	0.402	5.59
29	Lochloosa fine sand, 2 to 5 percent slopes	233,989	5.37	5.90	0.00	2.56	8.98	0.412	8.74
30	Kendrick sand, 2 to 5 percent slopes	194,961	4.48	0.00	0.00	3.22	9.24	0.412	8.74
33	Norfolk loamy fine sand, 2 to 5 percent slopes	26,150	0.60	5.73	0.00	4.66	4.32	0.402	5.59
35	Gainesville sand, 0 to 5 percent slopes	598,434	13.74	36.45	33.15	6.56	25.84	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	727,382	16.70	8.74	0.00	1.94	22.77	0.417	4.17
76	Bivans sand, 5 to 8 percent slopes	401,383	9.21	2.30	0.00	1.15	1.44	0.330	17.68
78	Norfolk loamy fine sand, 5 to 8 percent slopes	90,196	2.07	0.00	0.00	4.56	4.73	0.402	5.59

Tc = 38 min.

WTRSHD-6

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	727,895	16.71	17.03	10.89	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	52,393	1.20	0.42	0.00	4.76	24.70	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	125,482	2.88	89.65	85.94	4.69	20.48	0.402	5.59
30	Kendrick sand, 2 to 5 percent slopes	15,699	0.36	7.51	0.00	3.22	9.24	0.412	8.74
35	Gainesville sand, 0 to 5 percent slopes	503,870	11.57	9.52	6.14	6.56	25.84	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	46,675	1.07	0.00	0.00	1.94	22.77	0.417	4.17

Tc = 25 min.

WTRSHD-7

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	940,189	21.58	10.25	3.98	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	1,934,848	44.42	13.33	8.11	4.76	24.70	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	156,969	3.60	7.75	0.00	3.22	9.24	0.412	8.74
35	Gainesville sand, 0 to 5 percent slopes	492,206	11.30	21.58	20.15	6.56	25.84	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	61,417	1.41	0.00	0.00	1.94	22.77	0.417	4.17

Tc = 33 min.

WTRSHD-8

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	232,774	5.34	5.12	5.12	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	125,211	2.87	11.74	11.74	4.76	24.70	0.417	4.17
69	Arredondo fine sand, 5 to 8 percent slopes	99,400	2.28	0.00	0.00	1.94	22.77	0.417	4.17

Tc = 18 min.

WTRSHD-9

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	818,208	18.78	3.26	0.51	1.94	23.01	0.417	4.17
5	Fort Meade fine sand, 0 to 5 percent slopes	2,056	0.05	0.00	0.00	4.76	24.70	0.417	4.17
29	Lochloosa fine sand, 2 to 5 percent slopes	310,730	7.13	21.73	21.03	2.56	8.98	0.412	8.74
30	Kendrick sand, 2 to 5 percent slopes	124,143	2.85	0.91	0.00	3.22	9.24	0.412	8.74
69	Arredondo fine sand, 5 to 8 percent slopes	209,178	4.80	17.81	16.66	1.94	22.77	0.417	4.17

Tc = 22 min.

WTRSHD-10

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	1,850,927	42.49	21.10	17.79	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	229,178	5.26	0.00	0.00	4.69	20.48	0.402	5.59
29	Lochloosa fine sand, 2 to 5 percent slopes	8,586	0.20	0.00	0.00	2.56	8.98	0.412	8.74
30	Kendrick sand, 2 to 5 percent slopes	212,409	4.88	0.40	0.00	3.22	9.24	0.412	8.74
69	Arredondo fine sand, 5 to 8 percent slopes	17,080	0.39	2.12	2.12	1.94	22.77	0.417	4.17

Tc = 31 min.

WTRSHD-11

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	152,300	3.50	0.05	0.05	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	31,743	0.73	0.00	0.00	4.69	20.48	0.402	5.59

Tc = 12 min.

WTRSHD-12

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	174,498	4.01	0.00	0.00	1.94	23.01	0.417	4.17
8	Millhopper sand, 0 to 5 percent slopes	305,226	7.01	28.33	28.33	4.69	20.48	0.402	5.59
58	Lake fine sand, 0 to 5 percent slopes	45,115	1.04	0.00	0.00	4.76	51.14	0.417	4.17

Tc = 16 min.

WTRSHD-13

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	536,203	12.31	0.99	0.99	1.94	23.01	0.417	4.17
30	Kendrick sand, 2 to 5 percent slopes	46,526	1.07	0.00	0.00	3.22	9.24	0.412	8.74

Tc = 23 min.

WTRSHD-14

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
8	Millhopper sand, 0 to 5 percent slopes	149,698	3.44	10.55	10.55	4.69	20.48	0.402	5.59

Tc = 12 min.

WTRSHD-15

Soil Number	Soil Name	Area (SF)	Area (Ac)	% Imp	% DCIA	Depth to Water Table	Hyd. Cond.	Eff. Por.	Suction Head
3	Arredondo fine sand, 0 to 5 percent slopes	9.22	0.13	0.13	1.94	23.01	0.417	4.17	9.22
30	Kendrick sand, 2 to 5 percent slopes	4.52	0.03	0.00	3.22	9.24	0.412	8.74	4.52

Tc = 15 min.

Pond Storage

Stage-storage values for all depressions are provided in Appendix A.

Water Quality Treatment Volume

Per FDEP, the required WQTV for a dry retention system is the runoff from 2.0 inches of rainfall from the design storm calculated using the rational method. For Basin 3, where new impervious is proposed and the existing depression extends offsite, a roadside swale is proposed to provide extra WQTV.

Table 1 below shows the required water quality treatment volume utilized for each basin and the corresponding elevation of this volume.

Table 1: Post-Development Water Quality Treatment

Basin ID	Required WQTV (cf)	Provided (cf)	WQTV Stage (FT)	Recovery (hrs)
BASIN-1	20,163	20,163	85.28	<31
BASIN-2	63,807	63,807	59.49	>72
BASIN-3	342,685	342,685	81.53	< 18
BASIN-4	142,220	142,220	85.68	<37
BASIN-5	393,422	393,422	87.77	<17
BASIN-6	112,046	112,046	85.28	<19
BASIN-7	215,288	215,288	78.65	<7
BASIN-8	21,900	21,900	86.00	< 62
BASIN-9	78,429	78,429	77.48	<16
BASIN-10	167,430	167,430	73.20	<29
BASIN-11	8,223	8,223	82.05	<26
BASIN-12	39,112	39,112	82.77	<19
BASIN-13	20,749	20,749	89.05*	>72
BASIN-14	8,939	8,939	78.32	<67
BASIN-15	34,227	34,227	84.24	<30

* Basin 13 discharges to Basin 2, so the excess WQTV will remain onsite.

Basins 2 and 13 do not recover. However, Basin 2 also does not recover in any of the storm routings and both basins are considered to be sinkholes. No changes are proposed to those depressions and no additional impervious is proposed to drain to those depressions.

Run-off and Facility Routing Results

The routing results are summarized below in Tables 2-9. The maximum stages for each basin are broken down by storm, with the maximum stages for the 100-year, 24-hour storm in Table 2, the 100-year, 8-hour storm in Table 3, the 100-year, 4-hour storm in Table 4, the 100-year, 2-hour storm in Table 5, and the 100-year, 1-hour storm in Table 6.

Detailed post-development modeling results are included in Appendix A.

Table 2: 100-year, 24-hour Peak Stages

Basin	Top of Bank (FT)	Pre Peak Stage (FT)	Post Peak Stage (FT)	Difference	Pre Stage 30 Days Post Storm Event	Post Stage 30 Days Post Storm Event	Lowest El. at Prop. Boundary[1]
BASIN-1	86.00	85.27	85.27	0.00	84.00	84.00	86.00[2]
BASIN-2	84.00	68.44	68.44	0.00	50.28*	50.28*	90.00
BASIN-3	88.00	83.20	83.22	0.02	80.00	80.00	79.00[2]
BASIN-4	87.00	84.12	85.37	1.25	81.00	85.00	94.00
BASIN-5	89.00	88.69	88.01	-0.68	85.00	88.00	89.00
BASIN-6	87.00	85.31	85.12	-0.19	82.00	85.00	N/A
BASIN-7	80.00	77.77	78.47	0.70	75.00	78.00	80.00[2]
BASIN-8	87.00	86.05	86.05	0.00	86.00	86.00	86.00[2]
BASIN-9	79.00	76.83	77.64	0.81	72.00	77.00	90.00
BASIN-10	79.00	75.71	75.89	0.18	72.00	72.00	90.00
BASIN-11	84.00	82.76	82.76	0.00	81.00	81.00	84.00[2]
BASIN-12	83.00	82.95	82.95	0.00	82.00	82.00	83.00[2]
BASIN-13	89.00	88.95	88.95	0.00	80.00	80.00	91.00
BASIN-14	84.00	77.90	77.90	0.00	75.00	75.00	86.00
BASIN-15	84.75	83.84	83.84	0.00	83.00	83.00	N/A

* Above basin bottom

Table 3: 100-year, 8-hour Peak Stages

Basin	Top of Bank (FT)	Pre Peak Stage (FT)	Post Peak Stage (FT)	Difference	Pre Stage 30 Days Post Storm Event	Post Stage 30 Days Post Storm Event	Lowest El. at Prop. Boundary[1]
BASIN-1	86.00	84.78	84.78	0.00	84.00	84.00	86.00[2]
BASIN-2	84.00	54.22	54.22	0.00	46.28*	46.28*	90.00
BASIN-3	88.00	82.09	82.09	0.00	80.00	80.00	79.00[2]
BASIN-4	87.00	82.88	85.12	2.24	81.00	85.00	94.00
BASIN-5	89.00	88.05	87.68	-0.37	85.00	87.00	89.00
BASIN-6	87.00	84.57	85.14	0.57	82.00	85.00	N/A
BASIN-7	80.00	76.91	78.33	1.42	75.00	78.00	80.00[2]
BASIN-8	87.00	86.02	86.02	0.00	86.00	86.00	86.00[2]
BASIN-9	79.00	75.38	77.20	1.82	72.00	77.00	90.00
BASIN-10	79.00	74.89	74.89	0.00	72.00	72.00	90.00
BASIN-11	84.00	81.00	81.00	0.00	81.00	81.00	84.00[2]
BASIN-12	83.00	82.87	82.87	0.00	82.00	82.00	83.00[2]
BASIN-13	89.00	82.68	82.68	0.00	80.00	80.00	91.00
BASIN-14	84.00	77.79	77.79	0.00	75.00	75.00	86.00
BASIN-15	84.75	83.00	83.00	0.00	83.00	83.00	N/A

* Above basin bottom

Table 4: 100-year, 4-hour Peak Stages

Basin	Top of Bank (FT)	Pre Peak Stage (FT)	Post Peak Stage (FT)	Difference	Pre Stage 30 Days Post Storm Event	Post Stage 30 Days Post Storm Event	Lowest El. at Prop. Boundary[1]
BASIN-1	86.00	84.74	84.74	0.00	84.00	84.00	86.00[2]
BASIN-2	84.00	53.79	53.79	0.00	46.04*	46.04*	90.00
BASIN-3	88.00	81.89	81.89	0.00	80.00	80.00	79.00[2]
BASIN-4	87.00	82.77	85.13	2.36	81.00	85.00	94.00
BASIN-5	89.00	87.83	87.58	-0.25	85.00	87.00	89.00
BASIN-6	87.00	84.41	85.16	0.75	82.00	87.00	N/A
BASIN-7	80.00	76.79	78.33	1.54	75.00	78.00	80.00[2]
BASIN-8	87.00	86.02	86.02	0.00	86.00	86.00	86.00[2]
BASIN-9	79.00	75.26	77.22	1.96	72.00	77.00	90.00
BASIN-10	79.00	74.76	74.76	0.00	72.00	72.00	90.00
BASIN-11	84.00	81.00	81.00	0.00	81.00	81.00	84.00[2]
BASIN-12	83.00	82.85	82.85	0.00	82.00	82.00	83.00[2]
BASIN-13	89.00	82.44	82.44	0.00	80.00	80.00	91.00
BASIN-14	84.00	77.67	77.67	0.00	75.00	75.00	86.00
BASIN-15	84.75	83.00	83.00	0.00	83.00	83.00	N/A

* Above basin bottom

Table 5: 100-year, 2-hour Peak Stages

Basin	Top of Bank (FT)	Pre Peak Stage (FT)	Post Peak Stage (FT)	Difference	Pre Stage 30 Days Post Storm Event	Post Stage 30 Days Post Storm Event	Lowest El. at Prop. Boundary[1]
BASIN-1	86.00	84.64	85.27	0.00	84.00	84.00	86.00[2]
BASIN-2	84.00	52.47	68.44	0.00	45.80*	45.80*	90.00
BASIN-3	88.00	81.72	83.22	0.00	80.00	80.00	79.00[2]
BASIN-4	87.00	82.78	85.37	2.39	81.00	85.00	94.00
BASIN-5	89.00	87.58	88.01	-0.11	85.00	87.00	89.00
BASIN-6	87.00	84.15	85.12	0.99	82.00	87.00	N/A
BASIN-7	80.00	76.58	78.47	1.69	75.00	78.00	80.00[2]
BASIN-8	87.00	86.04	86.05	0.00	86.00	86.00	86.00[2]
BASIN-9	79.00	75.05	77.64	2.14	72.00	77.00	90.00
BASIN-10	79.00	74.54	75.89	0.00	72.00	72.00	90.00
BASIN-11	84.00	81.00	82.76	0.00	81.00	81.00	84.00[2]
BASIN-12	83.00	82.77	82.95	0.00	82.00	82.00	83.00[2]
BASIN-13	89.00	82.09	88.95	0.00	80.00	80.00	91.00
BASIN-14	84.00	77.45	77.90	0.00	75.00	75.00	86.00
BASIN-15	84.75	83.00	83.84	0.00	83.00	83.00	N/A

* Above basin bottom

Table 6: 100-year, 1-hour Peak Stages

Basin	Top of Bank (FT)	Pre Peak Stage (FT)	Post Peak Stage (FT)	Difference	Pre Stage 30 Days Post Storm Event	Post Stage 30 Days Post Storm Event	Lowest El. at Prop. Boundary[1]
BASIN-1	86.00	84.55	84.55	0.00	84.00	84.00	86.00[2]
BASIN-2	84.00	51.29	51.29	0.00	45.62*	45.62*	90.00
BASIN-3	88.00	81.57	81.57	0.00	80.00	80.00	79.00[2]
BASIN-4	87.00	82.80	85.19	2.39	81.00	85.00	94.00
BASIN-5	89.00	87.49	87.43	-0.06	85.00	87.00	89.00
BASIN-6	87.00	83.91	85.12	1.21	82.00	85.00	N/A
BASIN-7	80.00	76.40	78.22	1.82	75.00	78.00	80.00[2]
BASIN-8	87.00	86.05	86.05	0.00	86.00	86.00	86.00[2]
BASIN-9	79.00	74.86	77.16	2.30	72.00	77.00	90.00
BASIN-10	79.00	74.34	74.34	0.00	72.00	72.00	90.00
BASIN-11	84.00	81.00	81.00	0.00	81.00	81.00	84.00[2]
BASIN-12	83.00	82.69	82.69	0.00	82.00	82.00	83.00[2]
BASIN-13	89.00	81.80	81.80	0.00	80.00	80.00	91.00
BASIN-14	84.00	77.26	77.26	0.00	75.00	75.00	86.00
BASIN-15	84.75	83.00	83.00	0.00	83.00	83.00	N/A

* Above basin bottom

Note 1: Basins marked "N/A" do not have watersheds which reach the property boundary
Note 2: Basins in red extend over the property boundary. Basins not in red serve a watershed which extends over the property boundary but are contained onsite.

Basins 4, 6, 7, and 9 see consistent increases in stage in post development as compared to pre-development. This is a result of the basin bottoms being raised in post-development. Basin 3 sees a 0.02 ft (0.24") in post-development for the 24-hour storm. While Basin 3 extends offsite, the increase in stage is de minis given how small it is. Basin 2 does not recover in pre or post development but there is also no proposed maximum stage increases.

Post-development offsite discharges are summarized in tables 7-21, below. Please note that the majority of the depressions are full retention, even if they extend offsite.

Table 7: Offsite Discharge (Basin 1)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 8: Offsite Discharge (Basin 2)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 9: Offsite Discharge (Basin 3)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 10: Offsite Discharge (Basin 4)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 11: Offsite Discharge (Basin 5)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 12: Offsite Discharge (Basin 6)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 13: Offsite Discharge (Basin 7)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 14: Offsite Discharge (Basin 8)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	2.32	2.32	0.00	-36.4	-36.4	0.00
100 year, 2 hour	2.06	2.06	0.00	-36.4	-36.4	0.00
100 year, 4 hour	1.50	1.50	0.00	-36.4	-36.4	0.00
100 year, 8 hour	1.53	1.53	0.00	-36.4	-36.4	0.00
100 year, 24 hour	2.35	2.35	0.00	-35.7	-35.7	0.00

Table 15: Offsite Discharge (Basin 9)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 16: Offsite Discharge (Basin 10)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 17: Offsite Discharge (Basin 11)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 18: Offsite Discharge (Basin 12)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 19: Offsite Discharge (Basin 13)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 20: Offsite Discharge (Basin 14)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Table 21: Offsite Discharge (Basin 15)

Storm Event	Pre-dev Peak Discharge (CFS)	Post-dev Peak Discharge (CFS)	Difference	Pre-dev Discharged Volume (ac-ft)	Post-dev Discharged Volume (ac-ft)	Difference
100 year, 1 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 2 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 4 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 8 hour	0.00	0.00	0.00	0.00	0.00	0.00
100 year, 24 hour	0.00	0.00	0.00	0.00	0.00	0.00

Summary and Conclusions

The proposed drainage system meets City of Alachua and SRWMD criteria for stormwater management facilities as follows:

1. Provide Water Quality Treatment Volume (WQTV): SMF-1 and SMF-2 have been designed to retain the first 2.0 inches of rainfall over from the drainage area and recover the WQTV within 72 hours for the roadway in the (FDEP).

2. Provide Discharge Rate and Volume Attenuation: The majority of the basins do not discharge or discharge onsite. The only basin which discharges offsite does not have an increase in peak discharge or volumetric discharge. (FDEP)

3. Provide Volume Recovery – Most of the depressions recover in both pre and post-development. The one depression which does not recover, Basin-2, does not recover in both the pre and post-development conditions. (FDEP)

4. Freeboard – The majority of the depressions do not have 1' of freeboard in the pre or post-development condition. Any increase in post-development stage is de minimis or otherwise contained onsite. (FDEP)

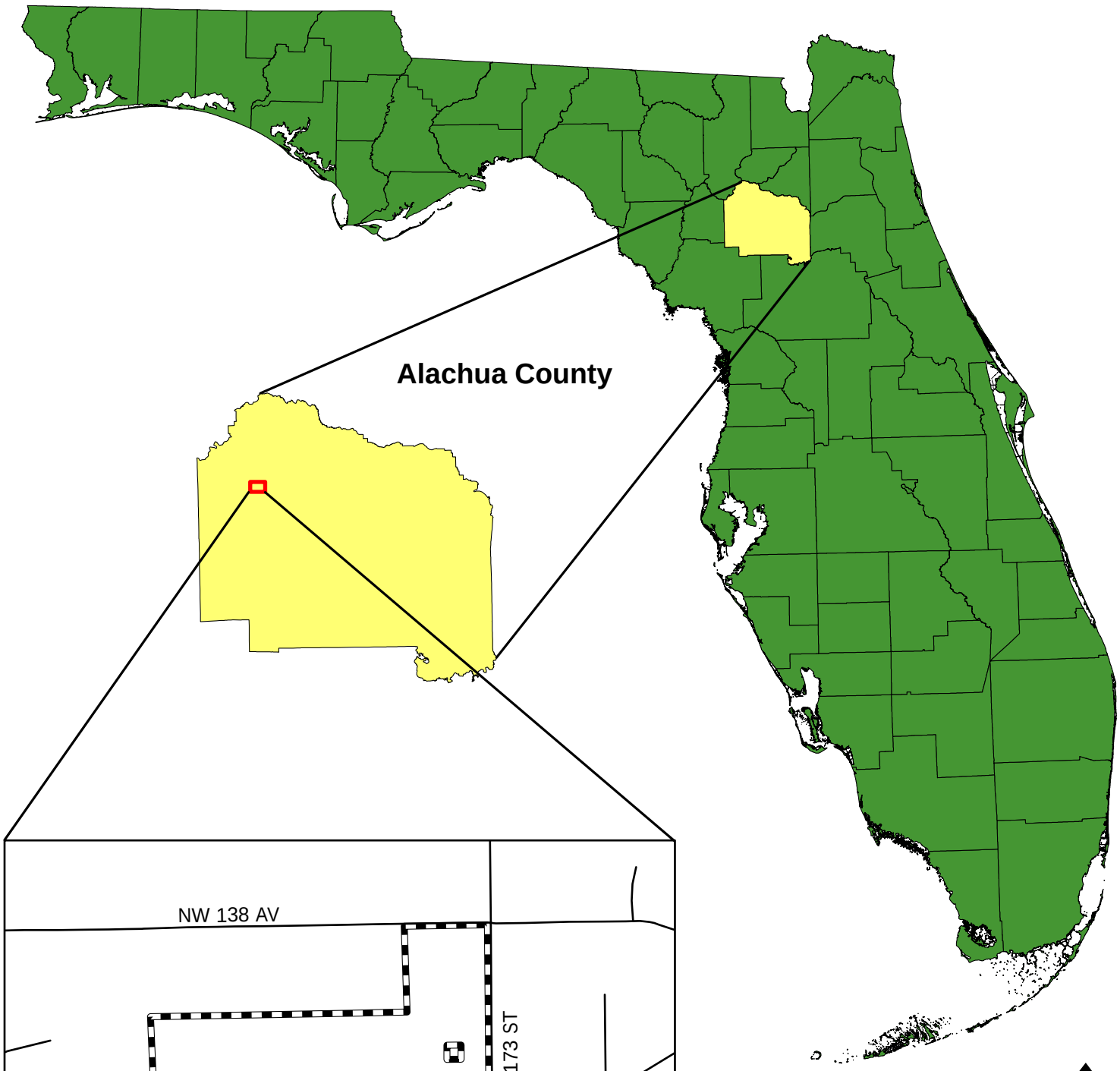
5. Side Slopes – Side slopes steeper than 4:1 require fencing (FDEP).

Based on the information provided, the project is eligible for approval by the Cityof Alachua and FDEP.

Figure 1

Project Location Map

Project Location Map
Pleasant Solar

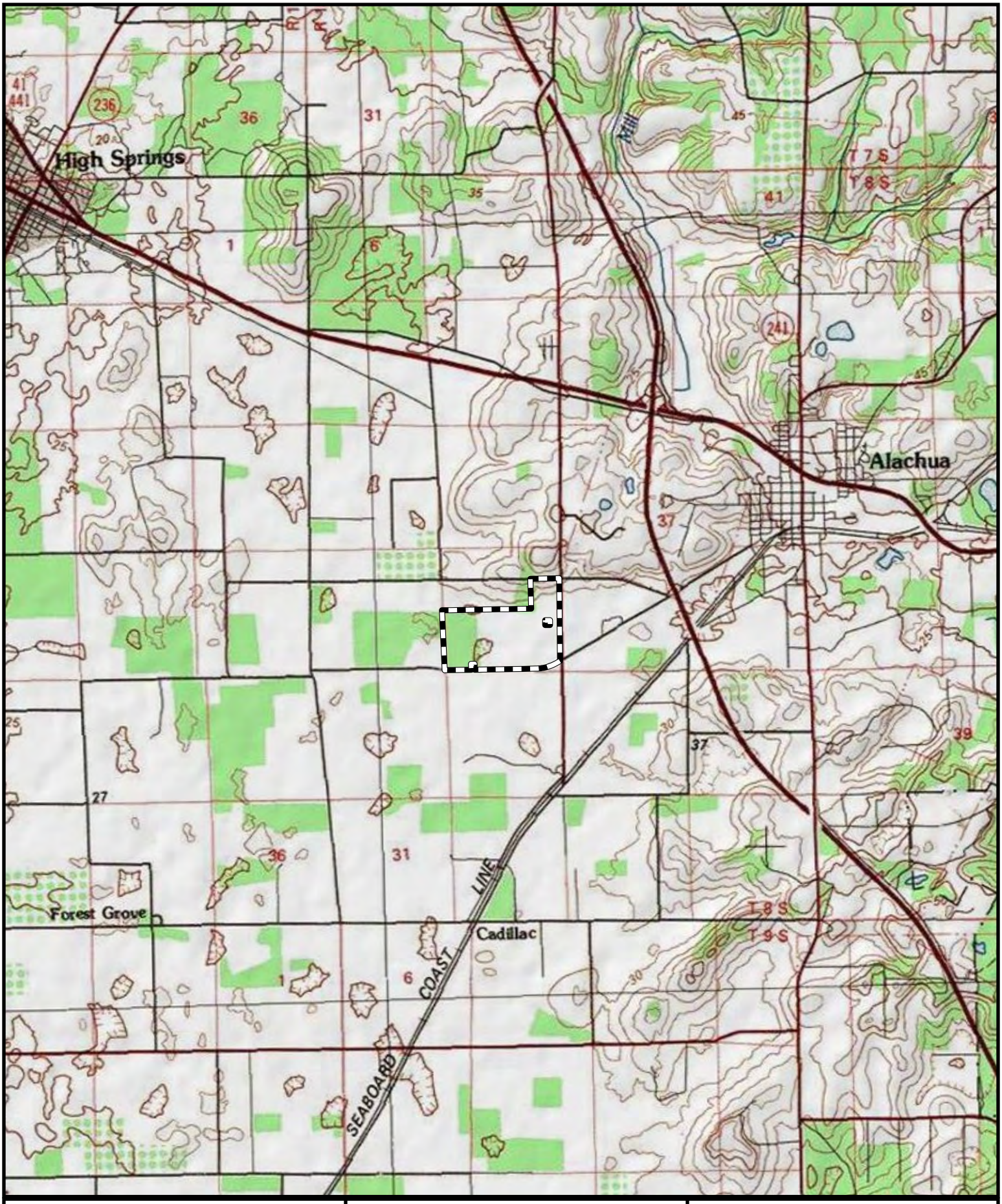


NORTH

CHW Professional Consultants
11801 Research Drive,
Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA
CA-5075

Figure 2

Quadrangle Map



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Pleasant Solar
Quad Map

0 0.5 1
Miles

NORTH

Figure 3

Aerial Map



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Pleasant Solar
Aerial Map

0 400 800
Feet

NORTH

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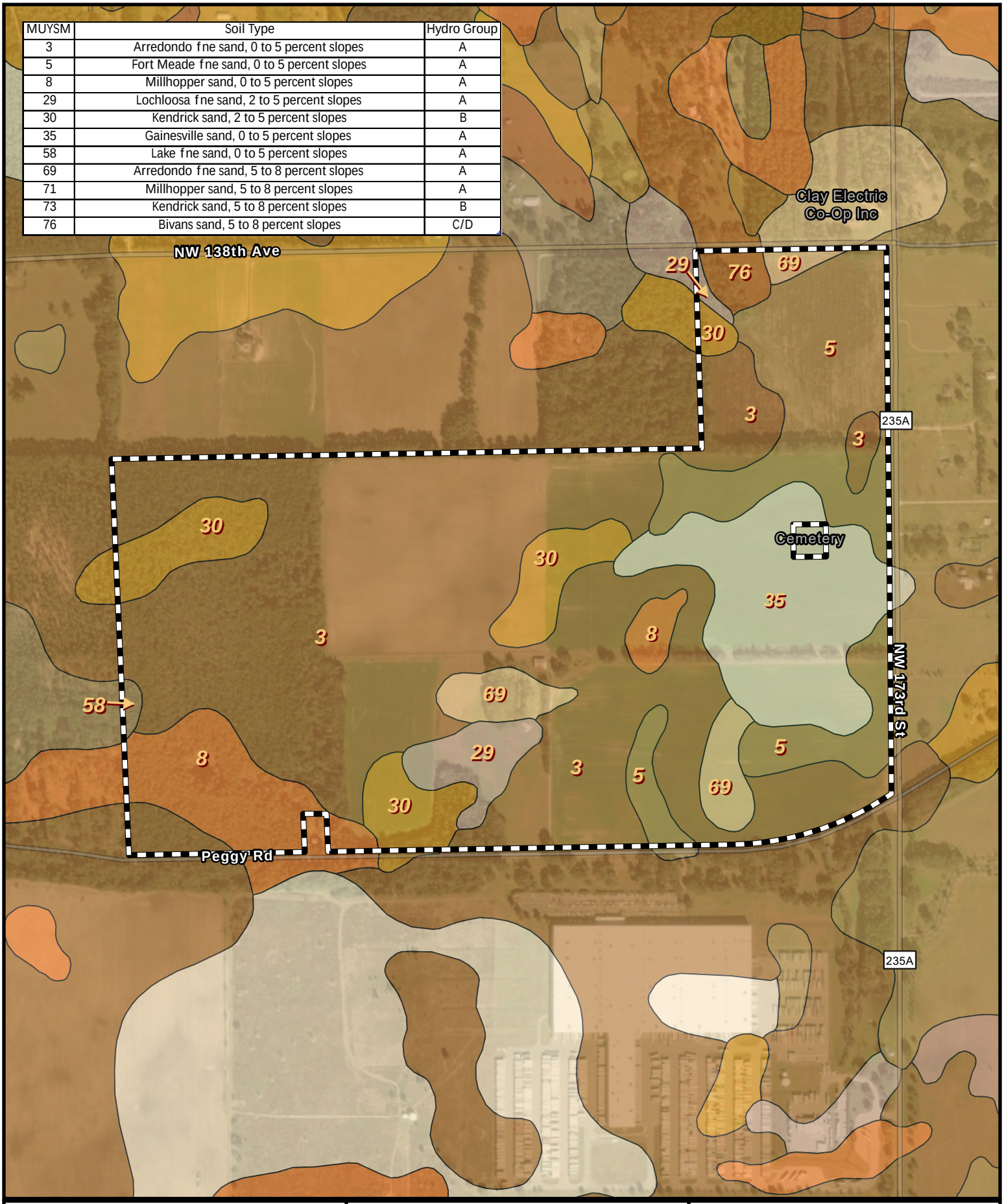
Figure 4

NRCS Soils Map

MUYSM	Soil Type	Hydro Group
3	Arredondo fne sand, 0 to 5 percent slopes	A
5	Fort Meade fne sand, 0 to 5 percent slopes	A
8	Millhopper sand, 0 to 5 percent slopes	A
29	Lochloosa fne sand, 2 to 5 percent slopes	A
30	Kendrick sand, 2 to 5 percent slopes	B
35	Gainesville sand, 0 to 5 percent slopes	A
58	Lake fne sand, 0 to 5 percent slopes	A
69	Arredondo fne sand, 5 to 8 percent slopes	A
71	Millhopper sand, 5 to 8 percent slopes	A
73	Kendrick sand, 5 to 8 percent slopes	B
76	Bivans sand, 5 to 8 percent slopes	C/D



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Pleasant Solar Soils Map

0 400 800
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Figure 5

FEMA Map



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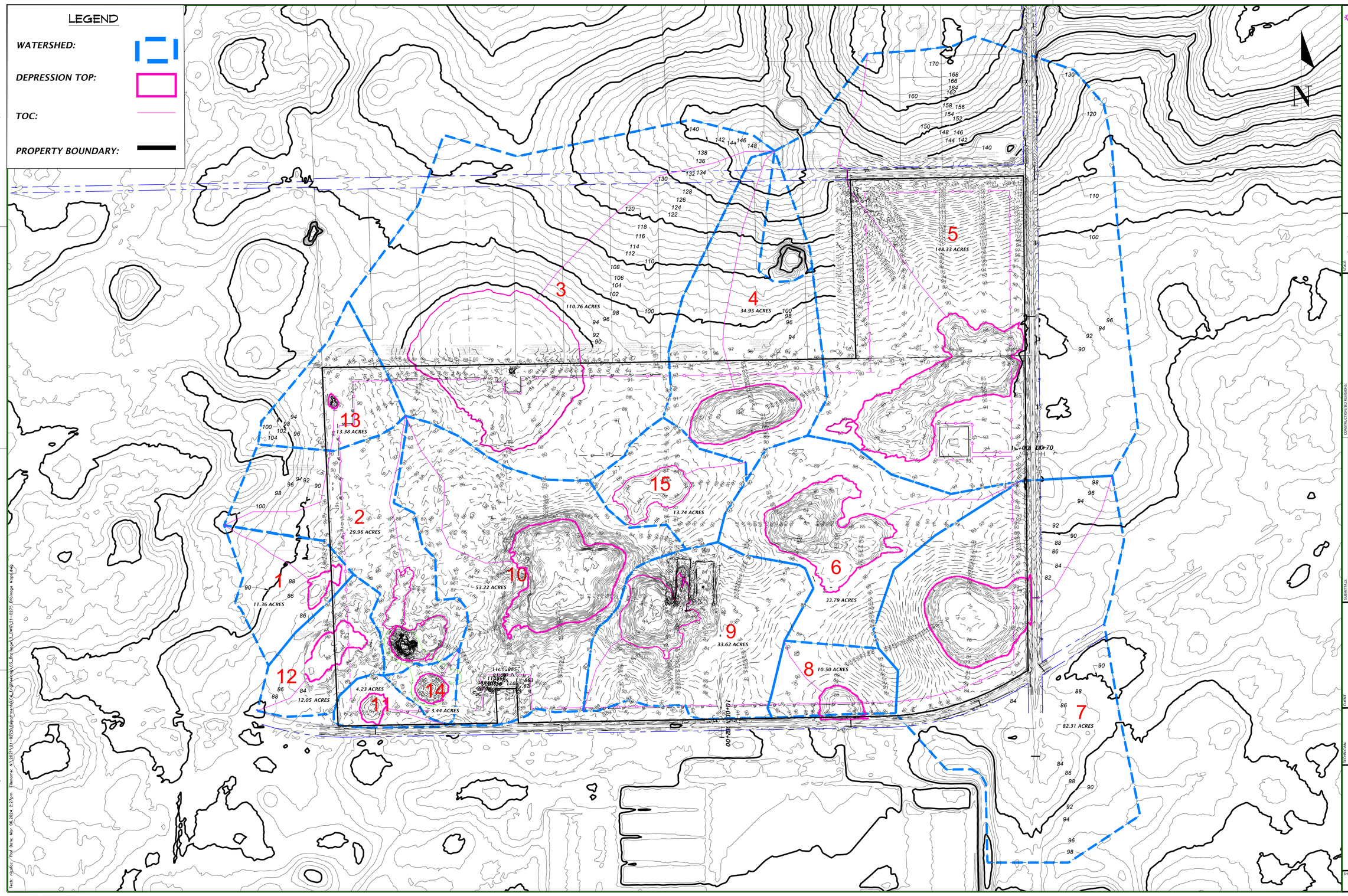
Pleasant Solar
FEMA Map

0 400 800
Feet

NORTH

Figure 6

Pre-Development Drainage Map



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SCALE: 1"=300'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:

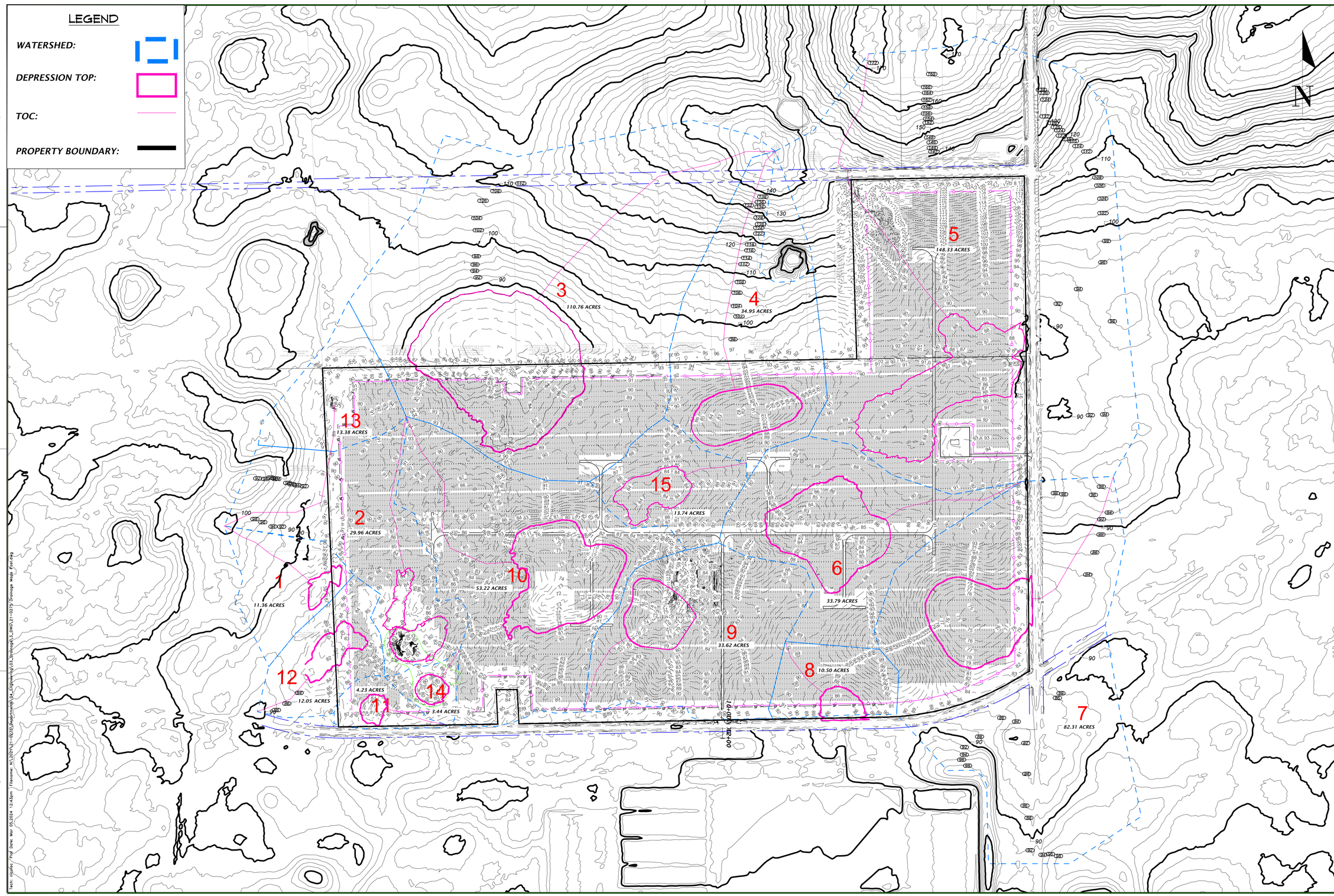
CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR DEVELOPMENT
SHEET TITLE: PRE-DEVELOPMENT DRAINAGE MAP

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

SHEET NO.: FIG-6

Figure 7

Post-Development Drainage Map



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SCALE: 1" = 300'

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR DEVELOPMENT

SHEET TITLE: POST-DEVELOPMENT DRAINAGE MAP

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

SHEET NO.: FIG-7

Appendix A

Drainage Calculations and
Computer Model Output

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-1: Stage-Storage Relationship

ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
84	4,831	0.111	0	0.000
85	14,671	0.337	9,751	0.224
86	36,121	0.829	35,146	0.807

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-2: Stage-Storage Relationship

ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
40	675	0.016	0	0.000
41	927	0.021	801	0.018
42	1,145	0.026	1,837	0.042
43	1,389	0.032	3,104	0.071
44	1,629	0.037	4,613	0.106
45	1,860	0.043	6,357	0.146
46	2,098	0.048	8,336	0.191
47	2,402	0.055	10,586	0.243
48	2,665	0.061	13,120	0.301
49	2,937	0.067	15,921	0.365
50	3,225	0.074	19,002	0.436
51	3,500	0.080	22,365	0.513
52	3,782	0.087	26,005	0.597
53	4,100	0.094	29,946	0.687
54	4,458	0.102	34,225	0.786
55	4,818	0.111	38,863	0.892
56	5,174	0.119	43,858	1.007
57	5,531	0.127	49,210	1.130
58	5,869	0.135	54,910	1.261
59	6,222	0.143	60,956	1.399
60	6,620	0.152	67,377	1.547
61	7,017	0.161	74,195	1.703
62	7,422	0.170	81,415	1.869
63	7,859	0.180	89,055	2.044
64	8,316	0.191	97,143	2.230
65	8,766	0.201	105,684	2.426
66	9,222	0.212	114,678	2.633
67	9,674	0.222	124,126	2.850
68	10,111	0.232	134,018	3.077
69	10,569	0.243	144,359	3.314

70	11,054	0.254	155,171	3.562
71	11,589	0.266	166,492	3.822
72	12,176	0.280	178,375	4.095
73	12,782	0.293	190,854	4.381
74	13,248	0.304	203,869	4.680
75	14,216	0.326	217,601	4.995
76	15,212	0.349	232,316	5.333
77	16,403	0.377	248,123	5.696
78	17,823	0.409	265,236	6.089
79	19,274	0.442	283,784	6.515
80	20,884	0.479	303,863	6.976
81	22,949	0.527	325,780	7.479
82	26,133	0.600	350,320	8.042
83	55,453	1.273	391,113	8.979
84	81,209	1.864	459,444	10.547
84.25	134,643	3.091	486,425	11.167

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-3: Stage-Storage Relationship				
ELEV. (FT.)	**AREA (SF)**	**AREA (AC)**	**VOLUME (CF)**	**VOLUME (AC-FT)**
80	105,792	2.429	0	0.000
82	253,491	5.819	359,283	8.248
84	432,874	9.937	1,045,649	24.005
86	673,176	15.454	2,151,699	49.396
88	955,403	21.933	3,780,278	86.783

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-4: Stage-Storage Relationship				
ELEV. (FT.)	**AREA (SF)**	**AREA (AC)**	**VOLUME (CF)**	**VOLUME (AC-FT)**
81	7,666	0.176	0	0.000
82	26,358	0.605	17,012	0.391
83	62,476	1.434	61,429	1.410
84	97,998	2.250	141,666	3.252
85	137,861	3.165	259,595	5.959
86	182,644	4.193	419,848	9.638
87	235,445	5.405	628,893	14.437

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-5: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
85	29,028	0.666	0	0.000
86	65,453	1.503	47,241	1.084
87	147,321	3.382	153,628	3.527
88	351,099	8.060	402,838	9.248
89	574,087	13.179	865,431	19.868

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-6: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
82	15,030	0.345	0	0.000
83	37,707	0.866	26,368	0.605
84	66,408	1.525	78,426	1.800
85	108,238	2.485	165,749	3.805
86	218,055	5.006	328,895	7.550
87	413,711	9.498	644,778	14.802

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-7: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
75	16,429	0.377	0	0.000
76	88,466	2.031	52,447	1.204
77	149,565	3.434	171,463	3.936
78	214,237	4.918	353,364	8.112
79	293,499	6.738	607,232	13.940
80	369,527	8.483	938,745	21.551

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-8: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
86	26,701	0.613	0	0.000
87	62,466	1.434	44,583	1.023

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-9: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
72	879	0.020	0	0.000
73	4,491	0.103	2,685	0.062
74	14,659	0.337	12,260	0.281
75	41,119	0.944	40,149	0.922
76	69,346	1.592	95,381	2.190
77	104,380	2.396	182,244	4.184
78	134,762	3.094	301,815	6.929
79	174,375	4.003	456,384	10.477
79.75	213,734	4.907	601,925	13.818

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-10: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
72	10,413	0.239	0	0.000
73	36,865	0.846	23,639	0.543
74	71,402	1.639	77,773	1.785
75	175,136	4.021	201,042	4.615
76	264,973	6.083	421,096	9.667
77	329,196	7.557	718,181	16.487
78	393,305	9.029	1,079,432	24.780
79	470,130	10.793	1,511,149	34.691

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-11: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
81	2,057	0.047	0	0.000
82	8,353	0.192	5,205	0.119
83	17,062	0.392	17,912	0.411
84	30,655	0.704	41,771	0.959

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-12: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
82	15,052	0.346	0	0.000
83	86,461	1.985	50,757	1.165
84	144,057	3.307	166,016	3.811

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-13: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
80	628	0.014	0	0.000
81	1,041	0.024	835	0.019
82	1,386	0.032	2,048	0.047
83	1,742	0.040	3,612	0.083
84	2,052	0.047	5,509	0.126
85	2,348	0.054	7,709	0.177
86	2,643	0.061	10,204	0.234
87	2,956	0.068	13,004	0.299
88	3,380	0.078	16,172	0.371
89	5,298	0.122	20,510	0.471

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-14: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
75	109	0.003	0	0.000
76	1,638	0.038	874	0.020
77	4,716	0.108	4,051	0.093
78	8,035	0.184	10,426	0.239
79	12,107	0.278	20,497	0.471
80	15,794	0.363	34,448	0.791
81	19,532	0.448	52,111	1.196
82	23,895	0.549	73,825	1.695
83	29,107	0.668	100,326	2.303
84	37,030	0.850	133,394	3.062

STAGE-STORAGE CALCULATIONS:

Pre-Development SMF-15: Stage-Storage Relationship				
ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
83	1,352	0.031	0	0.000
84	54,056	1.241	27,704	0.636
84.75	126,937	2.914	95,576	2.194

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-1: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
84	4830.5325	0.1109	0	0.000
85	14670.911	0.3368	9750.72165	0.224
86	36120.634	0.8292	35146.4942	0.807

Required WQTV =	**20163.09**	**cf**
	0.46	ac-ft
WQTV Elevation =	**85.28**	**ft**
Perimeter 1	1032.00	ft
Perimeter 2	1200.00	ft
Perimeter 3	1201.00	ft
Infiltration Area =	36,121	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-2: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
40	675	0.016	0	0.000
41	927	0.021	801	0.018
42	1,145	0.026	1,837	0.042
43	1,389	0.032	3,104	0.071
44	1,629	0.037	4,613	0.106
45	1,860	0.043	6,357	0.146
46	2,098	0.048	8,336	0.191
47	2,402	0.055	10,586	0.243
48	2,665	0.061	13,120	0.301
49	2,937	0.067	15,921	0.365
50	3,225	0.074	19,002	0.436
51	3,500	0.080	22,365	0.513
52	3,782	0.087	26,005	0.597
53	4,100	0.094	29,946	0.687
54	4,458	0.102	34,225	0.786
55	4,818	0.111	38,863	0.892
56	5,174	0.119	43,858	1.007
57	5,531	0.127	49,210	1.130
58	5,869	0.135	54,910	1.261
59	6,222	0.143	60,956	1.399
60	6,620	0.152	67,377	1.547
61	7,017	0.161	74,195	1.703
62	7,422	0.170	81,415	1.869
63	7,859	0.180	89,055	2.044
64	8,316	0.191	97,143	2.230
65	8,766	0.201	105,684	2.426
66	9,222	0.212	114,678	2.633
67	9,674	0.222	124,126	2.850
68	10,111	0.232	134,018	3.077
69	10,569	0.243	144,359	3.314
70	11,054	0.254	155,171	3.562
71	11,589	0.266	166,492	3.822
72	12,176	0.280	178,375	4.095
73	12,782	0.293	190,854	4.381
74	13,248	0.304	203,869	4.680
75	14,216	0.326	217,601	4.995
76	15,212	0.349	232,316	5.333
77	16,403	0.377	248,123	5.696
78	17,823	0.409	265,236	6.089
79	19,274	0.442	283,784	6.515
80	20,884	0.479	303,863	6.976
81	22,949	0.527	325,780	7.479
82	26,133	0.600	350,320	8.042
83	55,453	1.273	391,113	8.979
84	81,209	1.864	459,444	10.547
84.25	134,643	3.091	486,425	11.167

Required WQTV =	**63806.86**	**cf**
	1.46	ac-ft
WQTV Elevation =	**59.49**	**ft**
Perimeter 1	1359.00	ft
Perimeter 2	1475.00	ft
Perimeter 3	1476.00	ft
Infiltration Area =	81,209	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-3: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
80	105791.98	2.4286	0	0.000
82	253491.48	5.8194	359283.457	8.248
84	432873.92	9.9374	1045648.852	24.005
86	673176.04	15.4540	2151698.81	49.396
88	955403.4	21.9330	3780278.247	86.783

Required WQTV =	**342684.83**	**cf**
	7.87	ac-ft
WQTV Elevation =	**81.53**	**ft**
Perimeter 1	3996.00	ft
Perimeter 2	4130.00	ft
Perimeter 3	4131.00	ft
Infiltration Area =	955,403	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-4: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
85	195349.8	4.4846	0	0.000
86	213876.57	4.9099	204613.1864	4.697
87	233050.69	5.3501	428076.8183	9.827

Required WQTV =	**142220.28**	**cf**
	3.26	ac-ft
WQTV Elevation =	**85.68**	**ft**
Perimeter 1	1950.00	ft
Perimeter 2	2261.00	ft
Perimeter 3	2262.00	ft
Infiltration Area =	233,051	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-5: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
87	478908.84	10.9942	0	0.000
88	520598.61	11.9513	499753.7235	11.473
89	574086.98	13.1792	1047096.519	24.038

Required WQTV =	**393422.09**	**cf**
	9.03	ac-ft
WQTV Elevation =	**87.77**	**ft**
Perimeter 1	4353.00	ft
Perimeter 2	4428.39	ft
Perimeter 3	4429.39	ft
Infiltration Area =	574,087	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-6: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
85	383021.18	8.7930	0	0.000
86	409120.72	9.3921	396070.949	9.093
87	436197.78	10.0137	818730.1997	18.795

Required WQTV =	**112046.34**	**cf**
	2.57	ac-ft
WQTV Elevation =	**85.28**	**ft**
Perimeter 1	2747.00	ft
Perimeter 2	2977.00	ft
Perimeter 3	2978.00	ft
Infiltration Area =	436,198	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-7: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
78	310970.24	7.1389	0	0.000
79	333259.93	7.6506	322115.0838	7.395
80	369527.19	8.4832	673508.6431	15.462

Required WQTV =	**215287.86**	**cf**
	4.94	ac-ft
WQTV Elevation =	**78.65**	**ft**
Perimeter 1	2492.00	ft
Perimeter 2	2700.00	ft
Perimeter 3	2701.00	ft
Infiltration Area =	369,527	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-8: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
86	26700.802	0.6130	0	0.000
87	62466.168	1.4340	44583.48505	1.023

Required WQTV =	**21899.97**	**cf**
	0.50	ac
WQTV Elevation =	**86.00**	**ft**
Perimeter 1	1157.00	ft
Perimeter 2	1300.00	ft
Perimeter 3	1301.00	ft
Infiltration Area =	62,466	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-9: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
77	152005.89	3.4896	0	0.000
78	167010.65	3.8340	159508.2703	3.662
79	182657.86	4.1932	334342.5254	7.675

Required WQTV =	**78429.10**	**cf**
	1.80	ac
WQTV Elevation =	**77.48**	**ft**
Perimeter 1	1596.52	ft
Perimeter 2	1910.00	ft
Perimeter 3	1911.00	ft
Infiltration Area =	182,658	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-10: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
72	10,413	0.239	0	0.000
73	36,865	0.846	23,639	0.543
74	71,402	1.639	77,773	1.785
75	175,136	4.021	201,042	4.615
76	264,973	6.083	421,096	9.667
77	329,196	7.557	718,181	16.487
78	393,305	9.029	1,079,432	24.780
79	470,130	10.793	1,511,149	34.691

Required WQTV =	**167430.25**	**cf**
	3.84	ac
WQTV Elevation =	**76.27**	**ft**
Perimeter 1	3371.00	ft
Perimeter 2	3373.00	ft
Perimeter 3	3374.00	ft
Infiltration Area =	470,130	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-11: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
81	2057.4433	0.0472	0	0.000
82	8352.6237	0.1917	5205.0335	0.119
83	17061.562	0.3917	17912.12635	0.411
84	30655.421	0.7038	41770.6177	0.959

Required WQTV =	**8222.94**	**cf**
	0.19	ac
WQTV Elevation =	**82.05**	**ft**
Perimeter 1	727.00	ft
Perimeter 2	1000.00	ft
Perimeter 3	1001.00	ft
Infiltration Area =	30,655	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-12: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
82	15,052	0.346	0	0.000
83	86,461	1.985	50,757	1.165
84	144,057	3.307	166,016	3.811

Required WQTV =	**39112.35**	**cf**
	0.90	ac
WQTV Elevation =	**82.77**	**ft**
Perimeter 1	910.00	ft
Perimeter 2	1100.00	ft
Perimeter 3	1101.00	ft
Infiltration Area =	86,461	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-13: Stage-Storage Relationship				
ELEV.	**AREA**	**AREA**	**VOLUME**	**VOLUME**
(FT.)	**(SF)**	**(AC)**	**(CF)**	**(AC-FT)**
80	628	0.0144	0	0.000
81	1041	0.0239	834.5	0.019
82	1386	0.0318	2048	0.047
83	1742	0.0400	3612	0.083
84	2052	0.0471	5509	0.126
85	2347.6	0.0539	7708.8	0.177
86	2643	0.0607	10204.1	0.234
87	2956	0.0679	13003.6	0.299
88	3379.8	0.0776	16171.5	0.371
89	5298.07	0.1216	20510.435	0.471

Required WQTV =	**20748.79**	**cf**
	0.48	ac
WQTV Elevation =	**89.05**	**ft**
Perimeter 1	324.00	ft
Perimeter 2	600.00	ft
Perimeter 3	601.00	ft
Infiltration Area =	5,298	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-14: Stage-Storage Relationship

ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
75	109.4948	0.0025	0	0.000
76	1638.242	0.0376	873.8684	0.020
77	4715.9883	0.1083	4050.98355	0.093
78	8034.8709	0.1845	10426.41315	0.239
79	12106.61	0.2779	20497.15365	0.471
80	15794.417	0.3626	34447.66725	0.791
81	19532.332	0.4484	52111.04175	1.196
82	23895.416	0.5486	73824.9155	1.695
83	29107.045	0.6682	100326.146	2.303
84	37029.62	0.8501	133394.4788	3.062

Required WQTV =	**8938.53**	**cf**
	0.21	ac
WQTV Elevation =	**77.77**	**ft**
Perimeter 1	727.00	ft
Perimeter 2	1000.00	ft
Perimeter 3	1001.00	ft
Infiltration Area =	37,030	sf

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-15: Stage-Storage Relationship

ELEV. (FT.)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)
83	1352	0.0310	0	0.000
84	54055.86	1.2410	27703.93	0.636
84.75	126938.2	2.9141	95576.701	2.194

Required WQTV =	**34227.10**	**cf**
	0.79	ac
WQTV Elevation =	**84.24**	**ft**
Perimeter 1	1361.00	ft
Perimeter 2	1500.00	ft
Perimeter 3	1501.00	ft
Infiltration Area =	54,056	sf

Project Number:
Project Name:
Calculated by:
Checked by:
Date: 1/10/2024

WATER QUALITY CALCULATIONS

BASIN-1

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	10.69	0.20	2.14
TOTAL IMPERVIOUS AREA	0.67	0.95	0.64
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.24
i (inches) =	2.00
A (ac.) =	11.36

Required WQTV = 20,163 cf

BASIN-2

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	26.23	0.20	5.25
TOTAL IMPERVIOUS AREA	3.73	0.95	3.54
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.29
i (inches) =	2.00
A (ac.) =	29.96

Required WQTV = 63,807 cf

BASIN-3

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	77.36	0.20	15.47
TOTAL IMPERVIOUS AREA	33.40	0.95	31.73
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.43
i (inches) =	2.00
A (ac.) =	110.76

Required WQTV = 342,685 cf

Professional Consultants

Project Number:
Project Name:
Calculated by:
Checked by:
Date: 1/10/2024

BASIN-4

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	18.16	0.20	3.63
TOTAL IMPERVIOUS AREA	16.80	0.95	15.96
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.56
i (inches) =	2.00
A (ac.) =	34.95

Required WQTV = 142,220 cf

BASIN-5

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	115.64	0.20	23.13
TOTAL IMPERVIOUS AREA	32.70	0.95	31.06
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.37
i (inches) =	2.00
A (ac.) =	148.33

Required WQTV = 393,422 cf

BASIN-6

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	22.23	0.20	4.45
TOTAL IMPERVIOUS AREA	11.57	0.95	10.99
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.46
i (inches) =	2.00
A (ac.) =	33.79

Required WQTV = 112,046 cf

Project Number:
Project Name:
Calculated by:
Checked by:
Date: 1/10/2024

BASIN-7

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	64.73	0.20	12.95
TOTAL IMPERVIOUS AREA	17.59	0.95	16.71
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.36
i (inches) =	2.00
A (ac.) =	82.31

Required WQTV = 215,288 cf

BASIN-8

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	9.28	0.20	1.86
TOTAL IMPERVIOUS AREA	1.22	0.95	1.16
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.29
i (inches) =	2.00
A (ac.) =	10.50

Required WQTV = 21,900 cf

BASIN-9

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	28.18	0.20	5.64
TOTAL IMPERVIOUS AREA	5.44	0.95	5.17
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.32
i (inches) =	2.00
A (ac.) =	33.62

Required WQTV = 78,429 cf

Project Number:
Project Name:
Calculated by:
Checked by:
Date: 1/10/2024

BASIN-10

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	36.66	0.20	7.33
TOTAL IMPERVIOUS AREA	16.56	0.95	15.73
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.43
i (inches) =	2.00
A (ac.) =	53.22

Required WQTV = 167,430 cf

BASIN-11

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	3.84	0.20	0.77
TOTAL IMPERVIOUS AREA	0.38	0.95	0.36
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.27
i (inches) =	2.00
A (ac.) =	4.23

Required WQTV = 8,223 cf

BASIN-12

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	8.08	0.20	1.62
TOTAL IMPERVIOUS AREA	3.97	0.95	3.77
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.45
i (inches) =	2.00
A (ac.) =	12.05

Required WQTV = 39,112 cf

Professional Consultants

Project Number:
Project Name:
Calculated by:
Checked by:
Date: 1/10/2024

BASIN-13

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	13.13	0.20	2.63
TOTAL IMPERVIOUS AREA	0.24	0.95	0.23
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.21
i (inches) =	2.00
A (ac.) =	13.38

Required WQTV = 20,749 cf

BASIN-14

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	2.71	0.20	0.54
TOTAL IMPERVIOUS AREA	0.73	0.95	0.69
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.36
i (inches) =	2.00
A (ac.) =	3.44

Required WQTV = 8,939 cf

BASIN-15

	Area (ac.)	Coeff. C	C x A
TOTAL PERVIOUS AREA	11.11	0.20	2.22
TOTAL IMPERVIOUS AREA	2.62	0.95	2.49
SMF	0.00	1.00	0.00

SRWMD Requirement

Composite C =	0.34
i (inches) =	2.00
A (ac.) =	13.74

Required WQTV = 34,227 cf

CHW
Professional Consultants

Project Number: 21-0275
Project Name: Pleasant Solar
Calculated by: NRC
Checked by: TJH
Date: 7/20/2023

Project No.

	SHEET FLOW					SHALLOW CONCENTRATED FLOW					CHANNEL / PIPE FLOW							
BASIN	Manning's n (--)	Flow Length L (ft)	2-Year 24-Hour Rain, P2 (in)	Land Slope s (ft/ft)	Tt1 (hr)	Paved or Unpvd. (P or U)	Flow Length L (ft)	Water-course Slope, s (ft/ft)	Avg. Velocity V (ft/s)	Tt2 (hr)	Cross-Section Area, a (ft^2)	Wetted Perim. Pw (ft)	Hydraulic Radius r (ft)	Pipe Slope s (ft/ft)	Manning n (--)	Avg. Velocity V (ft/s)	Flow Length L (ft)	Tt3 (hr)
1	0.4	100	4.30	0.021	**0.303**	U	700	0.021	0.83	**0.24**	-	-	-	-	-	-	0	**-**
2	0.15	100	4.30	0.008	**0.203**	U	1584	0.034	2.99	**0.15**	-	-	-	-	-	-	0	**-**
3	0.15	100	4.30	0.005	**0.245**	U	2410	0.029	2.73	**0.25**	-	-	-	-	-	-	0	**-**
4	0.15	100	4.30	0.007	**0.214**	U	1897	0.035	3.02	**0.17**	-	-	-	-	-	-	0	**-**
5	0.15	100	4.30	0.005	**0.249**	U	1255	0.003	0.91	**0.38**	-	-	-	-	-	-	0	**-**
6	0.15	100	4.30	0.021	**0.138**	U	1530	0.009	1.57	**0.27**	-	-	-	-	-	-	0	**-**
7	0.15	100	4.30	0.007	**0.214**	U	2019	0.010	1.64	**0.34**	-	-	-	-	-	-	0	**-**
8	0.15	100	4.30	0.009	**0.194**	U	496	0.007	1.37	**0.10**	-	-	-	-	-	-	0	**-**
9	0.15	100	4.30	0.007	**0.214**	U	1047	0.014	1.92	**0.15**	-	-	-	-	-	-	0	**-**
10	0.15	100	4.30	0.007	**0.214**	U	1888	0.011	1.73	**0.30**	-	-	-	-	-	-	0	**-**
11	0.15	100	4.30	0.019	**0.144**	U	460	0.015	2.00	**0.06**	-	-	-	-	-	-	0	**-**
12	0.15	100	4.30	0.010	**0.186**	U	563	0.013	1.86	**0.08**	-	-	-	-	-	-	0	**-**
13	0.15	100	4.30	0.008	**0.203**	U	1320	0.016	2.04	**0.18**	-	-	-	-	-	-	0	**-**
14	0.15	100	4.30	0.010	**0.186**	U	236	0.039	3.20	**0.02**	-	-	-	-	-	-	0	**-**
15	0.15	100	4.30	0.010	**0.186**	U	450	0.016	2.04	**0.06**	-	-	-	-	-	-	0	**-**

SHEET FLOW:

$$Tt = \frac{0.007\ (nL)^{0.8}}{(P2)^{0.5} s^{0.4}}$$

SHALLOW CONCENTRATED FLOW:

1. For slopes < 0.005 ft/ft
   - Unpaved $V = 16.1345\ s^{0.5}$
   - Paved $V = 20.3282\ s^{0.5}$

2. For slopes > 0.005 ft/ft
   Velocity per Figure 3-1, TR-55

$$Tt = \frac{L}{3600\ V}$$

CHANNEL/PIPE FLOW:

$$V = \frac{1.49 r^{2/3} s^{1/2}}{n}$$

$$Tt = \frac{L}{3600\ V}$$

ID #	Tc (hr)	Tc (min)
1	**0.54**	32
2	**0.35**	21
3	**0.49**	29
4	**0.39**	23
5	**0.63**	38
6	**0.41**	25
7	**0.56**	33
8	**0.29**	18
9	**0.37**	22
10	**0.52**	31
11	**0.21**	12
12	**0.27**	16
13	**0.38**	23
14	**0.21**	12
15	**0.25**	15

Project Number: 21-0275
Project Name: Pleasant Solar LLC
Calculated by: NRC
Checked by: TJH
Date: 3/6/2024

Pipe Calculations

Structure No.		Invert Elev.		Length	Slope	Dia.	C	Tc	i	A	A	Q (cfs) Actual		Q Full	Pipe A	V - Full Flow	Pipe R	Minor Loss	Minor Loss	Loss	HGL		ToG/ EoP	F.B.
From	To	U.S.	D.S.	(ft)	(ft/foot)	(in)		(min)	(in/hr)	(sf)	(ac)	Inc	Cumul	(cfs)	(sq-ft)	(fps)	(ft)	Coeff.	(ft)	(ft)	U.S.	D.S.		(in)
MES-1	MES-2	89.00	87.00	109	0.0183	18	0.95	10	6.1	16,732	0.38	2.2	2.2	15.38	1.8	8.7	0.38	0.5	0.01	0.04	89.05	89.00	89.55	6
MES-3	MES-4	95.00	93.00	84	0.0239	18	0.95	10	6.1	10645	0.24	1.4	1.4	17.59	1.8	10.0	0.38	0.5	0.00	0.01	95.02	95.00	95.26	3

Notes

1. ToG = Top of Grate/EoP = Edge of Pavement; the lowest elevation of adjacent pavement
2. FB = Free Board
3. Rainfall intensity is based on the FDOT Zone 7 Rainfall Intensity-Duration-Frequency curve for the 3 YR - 10 min storm event (6.1 inches/hr)
4. The tailwater condition in the pond was set at crown for the proposed pipe
5. MES-1 and MES-2 are located at the main entrance on Peggy Road. MES-3 and MES-4 are located at the cemetary entrance on CR235A

==========
==== Basins ==========
==========

Name: WTRSHD-1 Node: BASIN-1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 32.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
8.060	4.180	4.18	4.760	51.140	0.417	4.170
2.360	0.000	0.00	1.940	23.010	0.417	4.170
0.930	0.000	0.00	4.690	20.480	0.402	5.590

Name: WTRSHD-10 Node: BASIN-10 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 31.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
42.490	17.790	17.79	1.940	23.010	0.417	4.170
5.260	0.000	0.00	4.690	20.480	0.402	5.590
0.200	0.000	0.00	2.560	8.980	0.412	8.740
4.880	0.220	0.00	3.220	9.240	0.412	8.740
0.390	2.120	2.12	1.940	22.770	0.417	4.170

Name: WTRSHD-11 Node: BASIN-11 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 12.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
3.500	0.050	0.05	1.940	23.010	0.417	4.170
0.730	0.000	0.00	4.690	20.480	0.402	5.590

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         Name: WTRSHD-12               Node: BASIN-12              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 16.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
4.010           0.000           0.00            1.940           23.010          0.417           4.170
7.010           28.330          28.33           4.690           20.480          0.402           5.590
1.040           0.000           0.00            4.760           51.140          0.417           4.170


-------------------------------------------------------------------------------------------------
         Name: WTRSHD-13               Node: BASIN-13              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 23.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
12.310          0.990           0.99            1.940           23.010          0.417           4.170
1.070           0.000           0.00            3.220           9.240           0.412           8.740


-------------------------------------------------------------------------------------------------
         Name: WTRSHD-14               Node: BASIN-14              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 12.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
3.440           10.550          10.55           4.690           20.480          0.402           5.590


-------------------------------------------------------------------------------------------------
         Name: WTRSHD-15               Node: BASIN-15              Status: Onsite
```

Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 15.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
9.220	0.130	0.13	1.940	23.010	0.417	4.170
4.520	0.000	0.00	3.220	9.240	0.412	8.740

Name: WTRSHD-2 Node: BASIN-2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 21.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
18.820	0.410	0.41	1.940	23.010	0.417	4.170
5.130	34.870	34.87	4.690	20.480	0.402	5.590
5.310	0.000	0.00	3.220	9.240	0.412	8.740
0.700	0.000	0.00	4.760	51.140	0.417	4.170

Name: WTRSHD-3 Node: BASIN-3 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 29.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
79.770	20.250	19.37	1.940	23.010	0.417	4.170
0.630	0.000	0.00	4.690	20.480	0.402	5.590
21.440	5.220	0.00	3.220	9.240	0.412	8.740
8.400	5.500	0.00	4.660	4.320	0.402	5.590
0.510	0.000	0.00	1.770	11.030	0.412	8.740

Name: WTRSHD-4 Node: BASIN-4 Status: Onsite

Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 23.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
25.460	8.840	8.84	1.940	23.010	0.417	4.170
3.130	0.000	0.00	4.690	20.480	0.402	5.590
0.380	0.000	0.00	4.760	24.700	0.417	4.170
2.570	26.170	0.00	3.220	9.240	0.412	8.740
3.410	4.230	0.00	4.660	4.320	0.402	5.590
0.020	0.000	0.00	6.560	25.840	0.417	4.170

Name: WTRSHD-5 Node: BASIN-5 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 38.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
17.480	11.330	10.18	1.940	23.010	0.417	4.170
73.300	13.410	9.34	4.760	24.700	0.417	4.170
5.390	0.000	0.00	4.690	20.480	0.402	5.590
5.370	5.900	0.00	2.560	8.980	0.412	8.740
4.480	0.000	0.00	3.220	9.240	0.412	8.740
0.600	5.730	0.00	4.660	4.320	0.402	5.590
13.740	33.770	33.15	6.560	25.840	0.417	4.170
16.700	8.740	0.00	1.940	22.770	0.417	4.170
9.210	2.300	0.00	1.150	1.440	0.330	17.680
2.070	0.000	0.00	4.560	4.730	0.402	5.590

Name: WTRSHD-6 Node: BASIN-6 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 25.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)

16.710	10.890	10.89	1.940	23.010	0.417	4.170
1.200	0.000	0.00	4.760	24.700	0.417	4.170
2.880	85.940	85.94	4.690	20.480	0.402	5.590
0.360	0.000	0.00	3.220	9.240	0.412	8.740
11.570	6.140	6.14	6.560	25.840	0.417	4.170
1.070	0.000	0.00	1.940	22.770	0.417	4.170

Name: WTRSHD-7 Node: BASIN-7 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 33.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
21.580	10.250	3.98	1.940	23.010	0.417	4.170
44.420	13.330	8.11	4.760	24.700	0.417	4.170
3.600	6.070	0.00	3.220	9.240	0.412	8.740
11.300	21.110	20.15	6.560	25.840	0.417	4.170
1.410	0.000	0.00	1.940	22.770	0.417	4.170

Name: WTRSHD-8 Node: BASIN-8 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 18.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
5.340	5.120	5.12	1.940	23.010	0.417	4.170
2.870	11.740	11.74	4.760	24.700	0.417	4.170
2.280	0.000	0.00	1.940	22.770	0.417	4.170

Name: WTRSHD-9 Node: BASIN-9 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
18.780	1.080	0.51	1.940	23.010	0.417	4.170
0.050	0.000	0.00	4.760	24.700	0.417	4.170
7.130	21.350	21.03	2.560	8.980	0.412	8.740
2.850	0.910	0.00	3.220	9.240	0.412	8.740
4.800	16.660	16.66	1.940	22.770	0.417	4.170

==========
==== Nodes ==========
==========

Name: BASIN-1 Base Flow(cfs): 0.000 Init Stage(ft): 84.000
Group: BASE Warn Stage(ft): 86.000
Type: Stage/Area

Stage(ft)	Area(ac)
84.000	0.1109
85.000	0.3368
86.000	0.8292

Name: BASIN-10 Base Flow(cfs): 0.000 Init Stage(ft): 72.000
Group: BASE Warn Stage(ft): 79.000
Type: Stage/Area

Stage(ft)	Area(ac)
72.000	0.2390
73.000	0.8463
74.000	1.6392
75.000	4.0206
76.000	6.0829
77.000	7.5573
78.000	9.0290
79.000	10.7927

Name: BASIN-11 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.0472
82.000	0.1917

83.000	0.3917
84.000	0.7038

Name: BASIN-12 Base Flow(cfs): 0.000 Init Stage(ft): 82.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
82.000	0.3455
83.000	1.9849
84.000	3.3071

Name: BASIN-13 Base Flow(cfs): 0.000 Init Stage(ft): 80.000
Group: BASE Warn Stage(ft): 89.000
Type: Stage/Area

Stage(ft)	Area(ac)
80.000	0.0144
81.000	0.0239
82.000	0.0318
83.000	0.0400
84.000	0.0471
85.000	0.0539
86.000	0.0607
87.000	0.0679
88.000	0.0776
89.000	0.1216

Name: BASIN-14 Base Flow(cfs): 0.000 Init Stage(ft): 75.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
75.000	0.0025
76.000	0.0376
77.000	0.1083
78.000	0.1845
79.000	0.2779
80.000	0.3626
81.000	0.4484
82.000	0.5486
83.000	0.6682
84.000	0.8501

Name: BASIN-15 Base Flow(cfs): 0.000 Init Stage(ft): 83.000
Group: BASE Warn Stage(ft): 84.750
Type: Stage/Area

Stage(ft)	Area(ac)
83.000	0.6815
84.000	1.2410
84.750	2.9141

Name: BASIN-2 Base Flow(cfs): 0.000 Init Stage(ft): 40.000
Group: BASE Warn Stage(ft): 84.250
Type: Stage/Area

Stage(ft)	Area(ac)
40.000	0.0155
41.000	0.0213
42.000	0.0263
43.000	0.0319
44.000	0.0374
45.000	0.0427
46.000	0.0482
47.000	0.0551
48.000	0.0612
49.000	0.0674
50.000	0.0740
51.000	0.0803
52.000	0.0868
53.000	0.0941
54.000	0.1023
55.000	0.1106
56.000	0.1188
57.000	0.1270
58.000	0.1347
59.000	0.1428
60.000	0.1520
61.000	0.1611
62.000	0.1704
63.000	0.1804
64.000	0.1909
65.000	0.2012
66.000	0.2117
67.000	0.2221
68.000	0.2321
69.000	0.2426
70.000	0.2538
71.000	0.2660
72.000	0.2795
73.000	0.2934

74.000	0.3041
75.000	0.3264
76.000	0.3492
77.000	0.3766
78.000	0.4091
79.000	0.4425
80.000	0.4794
81.000	0.5268
82.000	0.7267
83.000	1.2730
84.000	2.5460
84.250	3.0910

Name: BASIN-3 Base Flow(cfs): 0.000 Init Stage(ft): 80.000
Group: BASE Warn Stage(ft): 88.000
Type: Stage/Area

Stage(ft)	Area(ac)
80.000	2.4286
82.000	5.8194
84.000	9.9374
86.000	15.4540
88.000	21.9330

Name: BASIN-4 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.1760
82.000	0.6051
83.000	1.4342
84.000	2.2497
85.000	3.1649
86.000	4.1929
87.000	5.4051

Name: BASIN-5 Base Flow(cfs): 0.000 Init Stage(ft): 85.000
Group: BASE Warn Stage(ft): 89.000
Type: Stage/Area

Stage(ft)	Area(ac)
85.000	0.6660
86.000	1.5030

87.000	3.3820
88.000	8.0600
89.000	13.1790

Name: BASIN-6 Base Flow(cfs): 0.000 Init Stage(ft): 82.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
82.000	0.3450
83.000	0.8656
84.000	1.5245
85.000	2.4848
86.000	5.0058
87.000	9.4975

Name: BASIN-7 Base Flow(cfs): 0.000 Init Stage(ft): 75.000
Group: BASE Warn Stage(ft): 80.000
Type: Stage/Area

Stage(ft)	Area(ac)
75.000	0.3772
76.000	2.0309
77.000	3.4335
78.000	4.9182
79.000	6.7378
80.000	8.4832

Name: BASIN-8 Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
86.000	0.6130
87.000	1.4340

Name: BASIN-9 Base Flow(cfs): 0.000 Init Stage(ft): 72.000
Group: BASE Warn Stage(ft): 79.750
Type: Stage/Area

Stage(ft)	Area(ac)

72.000	0.0202
73.000	0.1031
74.000	0.3365
75.000	0.9440
76.000	1.5920
77.000	2.3962
78.000	3.0937
79.000	4.0031
79.750	4.9064

Name: GROUND Base Flow(cfs): 0.000 Init Stage(ft): 12.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	12.000
99999.00	12.000

Name: OUTFALL-8 Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	86.000
9999.00	86.000

Cross Sections

Name: WEIR-15 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	85.000	0.150000
5.843	84.930	0.150000
13.189	84.730	0.150000
16.834	84.820	0.150000
38.550	84.920	0.150000

Name: WEIR-2 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	84.510	0.150000
6.644	84.450	0.150000
12.506	84.500	0.150000

Name: WEIR-5 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	89.500	0.150000
25.355	89.260	0.150000
48.181	89.130	0.150000
71.919	89.180	0.150000
120.634	89.370	0.150000

Name: WEIR-6 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	87.160	0.150000
10.469	87.110	0.150000
18.933	87.120	0.150000
37.974	87.160	0.150000
42.827	87.180	0.150000

==========

Pipes

==========

Name: PIPE-8 From Node: BASIN-8 Length(ft): 58.47
Group: BASE To Node: OUTFALL-8 Count: 1
Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: 0.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry:	Vert Ellipse	Vert Ellipse
Span(in):	14.00	14.00
Rise(in):	22.00	22.00
Invert(ft):	83.970	83.840
Manning's N:	0.011000	0.011000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

Upstream FHWA Inlet Edge Description:
Vertical Ellipse Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Vertical Ellipse Concrete: Square edge w/ headwall

==========
==== Weirs ==========
==========

Name: WEIR-13 From Node: BASIN-13
Group: BASE To Node: BASIN-2
Flow: Both Count: 1
Type: Vertical: Fread Geometry: Trapezoidal

Bottom Width(ft): 100.00
Left Side Slope(h/v): 5.00
Right Side Slope(h/v): 5.00
Invert(ft): 88.900
Control Elevation(ft): 88.900
Struct Opening Dim(ft): 9999.00
TABLE
Bottom Clip(ft): 0.000
Top Clip(ft): 0.000
Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600

Name: WEIR-15 From Node: BASIN-15
Group: BASE To Node: BASIN-10
Flow: Both Count: 1
Type: Vertical: Fread Geometry: Irregular

XSec: WEIR-15
Invert(ft): 84.730
Control Elevation(ft): 84.730
Struct Opening Dim(ft): 9999.00
TABLE
Bottom Clip(ft): 0.000
Top Clip(ft): 0.000
Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600

Name: WEIR-2 From Node: BASIN-2
Group: BASE To Node: BASIN-12
Flow: Both Count: 1
Type: Vertical: Fread Geometry: Irregular

XSec: WEIR-2
Invert(ft): 84.450
Control Elevation(ft): 84.450

```
      Struct Opening Dim(ft): 9999.00
                                        TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
         Name: WEIR-5              From Node: BASIN-5
        Group: BASE                  To Node: BASIN-6
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: WEIR-5
                  Invert(ft): 89.080
       Control Elevation(ft): 89.080
      Struct Opening Dim(ft): 9999.00
                                        TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
         Name: WEIR-6              From Node: BASIN-6
        Group: BASE                  To Node: BASIN-9
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: WEIR-6
                  Invert(ft): 87.110
       Control Elevation(ft): 87.110
      Struct Opening Dim(ft): 9999.00
                                        TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



================================================================================
==== Percolation Links =========================================================
================================================================================

         Name: PERC-1              From Node: BASIN-1                Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1032.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1200.000
```

```
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 1201.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
             Suction Head(in): 4.170                    Num Cells 2 to 3: 50
         Layer Thickness(ft): 39.000



-------------------------------------------------------------------------------------------------
         Name: PERC-10            From Node: BASIN-10               Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                      Perimeter 1(ft): 3371.000
        Water Table Elev(ft): 45.000                     Perimeter 2(ft): 3373.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 3374.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
             Suction Head(in): 4.170                    Num Cells 2 to 3: 50
         Layer Thickness(ft): 27.000



-------------------------------------------------------------------------------------------------
         Name: PERC-11            From Node: BASIN-11               Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                      Perimeter 1(ft): 727.000
        Water Table Elev(ft): 45.000                     Perimeter 2(ft): 1000.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 1001.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
             Suction Head(in): 4.170                    Num Cells 2 to 3: 50
         Layer Thickness(ft): 36.000



-------------------------------------------------------------------------------------------------
         Name: PERC-12            From Node: BASIN-12               Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                      Perimeter 1(ft): 1401.000
        Water Table Elev(ft): 45.000                     Perimeter 2(ft): 1700.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 1701.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
```

```
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
          Layer Thickness(ft): 37.000


-------------------------------------------------------------------------------------------------
         Name: PERC-13             From Node: BASIN-13               Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 324.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 600.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 601.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
          Layer Thickness(ft): 35.000


-------------------------------------------------------------------------------------------------
         Name: PERC-14             From Node: BASIN-14               Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 910.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1100.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1101.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
          Layer Thickness(ft): 30.000


-------------------------------------------------------------------------------------------------
         Name: PERC-15             From Node: BASIN-15               Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 1361.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1500.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1501.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
```

```
           Suction Head(in): 4.170                       Num Cells 2 to 3: 50
         Layer Thickness(ft): 38.000



-------------------------------------------------------------------------------------------------
         Name: PERC-2              From Node: BASIN-2                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1359.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1475.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 1476.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                       Num Cells 2 to 3: 50
         Layer Thickness(ft): 0.000



-------------------------------------------------------------------------------------------------
         Name: PERC-3              From Node: BASIN-3                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 3996.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 4130.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 4131.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                       Num Cells 2 to 3: 50
         Layer Thickness(ft): 35.000



-------------------------------------------------------------------------------------------------
         Name: PERC-4              From Node: BASIN-4                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 2000.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 2250.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 2251.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                       Num Cells 2 to 3: 50
         Layer Thickness(ft): 36.000
```

```
-----------------------------------------------------------------------------------------------------
         Name: PERC-5              From Node: BASIN-5                  Flow: Positive
        Group: BASE                  To Node: GROUND                  Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                         Perimeter 1(ft): 4966.000
        Water Table Elev(ft): 45.000                        Perimeter 2(ft): 4967.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 4968.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
            Suction Head(in): 4.170                        Num Cells 2 to 3: 50
         Layer Thickness(ft): 25.000


-----------------------------------------------------------------------------------------------------
         Name: PERC-6              From Node: BASIN-6                  Flow: Positive
        Group: BASE                  To Node: GROUND                  Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                         Perimeter 1(ft): 3652.000
        Water Table Elev(ft): 45.000                        Perimeter 2(ft): 3653.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 3654.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
            Suction Head(in): 4.170                        Num Cells 2 to 3: 50
         Layer Thickness(ft): 37.000


-----------------------------------------------------------------------------------------------------
         Name: PERC-7              From Node: BASIN-7                  Flow: Positive
        Group: BASE                  To Node: GROUND                  Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                         Perimeter 1(ft): 2492.000
        Water Table Elev(ft): 45.000                        Perimeter 2(ft): 2700.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 2701.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
            Suction Head(in): 4.170                        Num Cells 2 to 3: 50
         Layer Thickness(ft): 30.000
```

```
-------------------------------------------------------------------------------------------------
         Name: PERC-8              From Node: BASIN-8                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1157.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1300.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 1301.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 41.000



-------------------------------------------------------------------------------------------------
         Name: PERC-9              From Node: BASIN-9                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 2240.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 2241.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 2242.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 27.000



=================================================================================================
==== Hydrology Simulations =====================================================================
=================================================================================================

         Name: 100YR1HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR1HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: Fdot-1
    Rainfall Amount(in): 4.40

Time(hrs)       Print Inc(min)
--------------- ---------------
721.000         5.00

-------------------------------------------------------------------------------------------------
         Name: 100YR24HR
```

```
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Fdot-24
    Rainfall Amount(in): 11.04

Time(hrs)       Print Inc(min)
--------------- ---------------
744.000         5.00

------------------------------------------------------------------------------------------------
         Name: 100YR2HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR2HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 2.00
          Rainfall File: Fdot-2
    Rainfall Amount(in): 5.40

Time(hrs)       Print Inc(min)
--------------- ---------------
722.000         5.00

------------------------------------------------------------------------------------------------
         Name: 100YR4HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR4HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 4.00
          Rainfall File: Fdot-4
    Rainfall Amount(in): 6.72

Time(hrs)       Print Inc(min)
--------------- ---------------
724.000         5.00

------------------------------------------------------------------------------------------------
         Name: 100YR8HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR8HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 8.00
          Rainfall File: Fdot-8
    Rainfall Amount(in): 8.00

Time(hrs)       Print Inc(min)
--------------- ---------------
728.000         5.00

================================================================================
==== Routing Simulations ======================================================
================================================================================

         Name: 100YR1HR            Hydrology Sim: 100YR1HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR1HR.I32
```

```
     Execute: Yes         Restart: No            Patch: No
 Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 721.00
    Min Calc Time(sec): 0.5000               Max Calc Time(sec): 30.0000
       Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 100YR24HR           Hydrology Sim: 100YR24HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR24HR.I32

     Execute: Yes         Restart: No            Patch: No
 Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 744.00
    Min Calc Time(sec): 0.5000               Max Calc Time(sec): 30.0000
       Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
300.000         5.000
960.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 100YR2HR            Hydrology Sim: 100YR2HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR2HR.I32

     Execute: Yes         Restart: No            Patch: No
 Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 722.00
```

```
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 30.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 100YR4HR            Hydrology Sim: 100YR4HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR4HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 724.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 30.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
300.000         5.000
960.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 100YR8HR            Hydrology Sim: 100YR8HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR8HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 728.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 30.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
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300.000	5.000
960.000	15.000

Group	Run
BASE	Yes

Alachua Solar Pre-Development 100-year, 1-hour Peak Stage

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR1HR	2.85	84.55	86.00	0.0007	10252	0.92	1.28	2.85	0.12
BASIN-10	BASE	100YR1HR	3.17	74.34	79.00	0.0021	106429	0.92	29.34	3.17	1.23
BASIN-11	BASE	100YR1HR	0.55	81.00	84.00	-0.0000	2056	0.67	0.01	0.67	0.01
BASIN-12	BASE	100YR1HR	1.84	82.69	84.00	0.0004	64094	0.75	11.14	1.84	0.74
BASIN-13	BASE	100YR1HR	2.62	81.80	89.00	0.0019	1317	0.83	0.57	2.62	0.02
BASIN-14	BASE	100YR1HR	1.67	77.26	84.00	0.0023	5581	0.67	2.34	1.67	0.06
BASIN-15	BASE	100YR1HR	1.50	83.00	84.75	0.0000	29686	0.67	0.07	0.67	0.07
BASIN-2	BASE	100YR1HR	2.00	51.29	84.25	0.0050	3581	0.75	9.18	1.23	1.45
BASIN-3	BASE	100YR1HR	3.07	81.57	88.00	0.0021	221658	0.83	74.81	3.07	2.57
BASIN-4	BASE	100YR1HR	2.53	82.80	87.00	0.0012	55295	0.75	17.38	2.53	0.64
BASIN-5	BASE	100YR1HR	3.68	87.49	89.00	0.0026	247364	1.00	61.54	3.68	2.86
BASIN-6	BASE	100YR1HR	2.74	83.91	87.00	0.0018	63722	0.83	22.31	2.74	0.74
BASIN-7	BASE	100YR1HR	3.23	76.40	80.00	0.0016	112827	0.92	25.14	3.23	1.31
BASIN-8	BASE	100YR1HR	0.93	86.05	87.00	-0.0008	28513	0.75	3.26	0.93	2.65
BASIN-9	BASE	100YR1HR	2.45	74.86	79.75	0.0022	37419	0.75	11.43	2.45	0.43

Alachua Solar Pre-Development 100-year, 2-hour Peak Stage

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR2HR	3.24	84.64	86.00	0.0008	11154	1.08	1.14	3.24	0.13
BASIN-10	BASE	100YR2HR	3.53	74.54	79.00	0.0019	127724	1.08	26.05	3.53	1.48
BASIN-11	BASE	100YR2HR	0.83	81.00	84.00	0.0000	2056	0.83	0.01	0.83	0.01
BASIN-12	BASE	100YR2HR	2.37	82.77	84.00	0.0003	69793	0.92	9.49	2.37	0.81
BASIN-13	BASE	100YR2HR	3.14	82.09	89.00	0.0018	1419	1.00	0.49	3.14	0.02
BASIN-14	BASE	100YR2HR	2.42	77.45	84.00	0.0018	6207	0.83	1.95	2.42	0.07
BASIN-15	BASE	100YR2HR	2.34	83.00	84.75	0.0000	29686	0.92	0.06	0.92	0.06
BASIN-2	BASE	100YR2HR	2.43	52.47	84.25	0.0050	3932	0.92	7.88	1.56	1.49
BASIN-3	BASE	100YR2HR	3.46	81.72	88.00	0.0021	232988	1.00	62.60	3.46	2.70
BASIN-4	BASE	100YR2HR	2.89	82.78	87.00	0.0008	54408	1.00	12.88	2.89	0.63
BASIN-5	BASE	100YR2HR	4.00	87.58	89.00	0.0022	265809	1.17	52.54	4.00	3.08
BASIN-6	BASE	100YR2HR	3.18	84.15	87.00	0.0016	72503	1.00	19.45	3.18	0.84
BASIN-7	BASE	100YR2HR	3.63	76.58	80.00	0.0017	123982	1.08	22.44	3.63	1.43
BASIN-8	BASE	100YR2HR	1.10	86.04	87.00	-0.0006	28119	0.92	2.78	1.10	2.38
BASIN-9	BASE	100YR2HR	2.91	75.05	79.75	0.0020	42528	0.92	9.84	2.91	0.49

Alachua Solar Pre-Development 100-year, 4-hour Peak Stage

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR4HR	4.73	84.74	86.00	0.0007	12107	2.58	0.90	4.73	0.14
BASIN-10	BASE	100YR4HR	5.03	74.76	79.00	0.0016	150404	2.58	20.49	5.03	1.74
BASIN-11	BASE	100YR4HR	3.88	81.00	84.00	0.0000	2056	2.08	0.01	2.08	0.01
BASIN-12	BASE	100YR4HR	4.06	82.85	84.00	0.0004	75961	2.08	6.28	4.06	0.88
BASIN-13	BASE	100YR4HR	4.79	82.44	89.00	0.0018	1542	2.25	0.35	4.79	0.02
BASIN-14	BASE	100YR4HR	4.18	77.67	84.00	0.0011	6938	2.08	1.20	4.18	0.08
BASIN-15	BASE	100YR4HR	3.88	83.00	84.75	0.0000	29686	2.08	0.04	2.08	0.04
BASIN-2	BASE	100YR4HR	4.08	53.79	84.25	0.0049	4382	2.17	5.56	3.00	1.51
BASIN-3	BASE	100YR4HR	5.03	81.89	88.00	0.0019	245520	2.50	42.86	5.03	2.84
BASIN-4	BASE	100YR4HR	4.52	82.77	87.00	0.0008	54025	2.25	6.70	4.52	0.63
BASIN-5	BASE	100YR4HR	5.58	87.83	89.00	0.0024	316663	2.67	40.49	5.58	3.67
BASIN-6	BASE	100YR4HR	4.78	84.41	87.00	0.0015	83465	2.50	14.26	4.78	0.97
BASIN-7	BASE	100YR4HR	5.13	76.79	80.00	0.0016	136585	2.58	17.92	5.13	1.58
BASIN-8	BASE	100YR4HR	2.40	86.02	87.00	-0.0006	27459	2.17	1.88	2.40	1.82
BASIN-9	BASE	100YR4HR	4.54	75.26	79.75	0.0016	48519	2.17	7.05	4.54	0.56

Alachua Solar Pre-Development 100-year, 8-hour Peak Stage

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR8HR	7.30	84.78	86.00	0.0007	12471	4.17	0.92	7.30	0.14
BASIN-10	BASE	100YR8HR	8.27	74.89	79.00	0.0014	163630	4.17	20.87	8.27	1.89
BASIN-11	BASE	100YR8HR	5.60	81.00	84.00	0.0000	2056	4.00	0.01	4.00	0.01
BASIN-12	BASE	100YR8HR	6.35	82.87	84.00	0.0004	77430	4.00	6.41	6.35	0.90
BASIN-13	BASE	100YR8HR	8.40	82.68	89.00	0.0018	1628	4.08	0.36	8.40	0.02
BASIN-14	BASE	100YR8HR	8.04	77.79	84.00	0.0023	7335	4.00	1.22	8.04	0.08
BASIN-15	BASE	100YR8HR	5.60	83.00	84.75	0.0000	29686	4.00	0.04	4.00	0.04
BASIN-2	BASE	100YR8HR	6.37	54.22	84.25	0.0050	4535	4.08	5.69	4.42	1.46
BASIN-3	BASE	100YR8HR	8.40	82.09	88.00	0.0018	261184	4.08	45.10	8.40	3.02
BASIN-4	BASE	100YR8HR	7.69	82.88	87.00	0.0008	58033	4.08	7.41	7.69	0.67
BASIN-5	BASE	100YR8HR	8.62	88.05	89.00	0.0022	361243	4.17	42.75	8.62	4.18
BASIN-6	BASE	100YR8HR	8.29	84.57	87.00	0.0014	90149	4.08	14.68	8.29	1.04
BASIN-7	BASE	100YR8HR	8.30	76.91	80.00	0.0015	144266	4.17	18.26	8.30	1.67
BASIN-8	BASE	100YR8HR	4.13	86.02	87.00	-0.0006	27490	4.00	1.92	4.13	1.85
BASIN-9	BASE	100YR8HR	8.12	75.38	79.75	0.0030	51804	4.08	7.23	8.12	0.60

Alachua Solar Pre-Development 100-year, 24-hour Peak Stage

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR24HR	24.39	85.27	86.00	0.0003	20377	21.00	0.90	24.39	0.24
BASIN-10	BASE	100YR24HR	24.56	75.71	79.00	0.0011	238963	21.00	14.36	24.56	2.77
BASIN-11	BASE	100YR24HR	24.28	82.76	84.00	0.0035	14979	19.08	1.30	24.28	0.17
BASIN-12	BASE	100YR24HR	22.39	82.95	84.00	0.0004	82577	19.08	2.21	22.39	0.96
BASIN-13	BASE	100YR24HR	20.58	88.95	89.00	0.0050	5210	20.58	4.15	20.58	4.15
BASIN-14	BASE	100YR24HR	21.48	77.90	84.00	0.0019	7719	12.00	0.40	21.48	0.09
BASIN-15	BASE	100YR24HR	24.27	83.84	84.75	-0.0003	50185	19.67	3.18	24.27	0.58
BASIN-2	BASE	100YR24HR	24.47	68.44	84.25	0.0050	10313	20.34	11.07	21.46	2.35
BASIN-3	BASE	100YR24HR	24.66	83.20	88.00	0.0013	361387	20.50	27.32	24.66	4.18
BASIN-4	BASE	100YR24HR	24.57	84.12	87.00	0.0007	102763	20.50	8.60	24.57	1.19
BASIN-5	BASE	100YR24HR	24.34	88.69	89.00	0.0012	505072	12.25	21.22	24.34	5.85
BASIN-6	BASE	100YR24HR	24.34	85.31	87.00	0.0010	141777	20.50	7.07	24.34	1.64
BASIN-7	BASE	100YR24HR	24.47	77.77	80.00	0.0017	199065	19.17	11.78	24.47	2.30
BASIN-8	BASE	100YR24HR	20.34	86.05	87.00	-0.0006	28559	19.92	2.72	20.34	2.68
BASIN-9	BASE	100YR24HR	24.56	76.83	79.75	0.0022	98359	20.17	8.55	24.56	1.14

Alachua Solar Pre-Development Basin 8 Peak Discharge

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
PIPE-8	BASE	100YR1HR	0.93	2.32	-0.299	0.93	86.05	0.00	86.00
PIPE-8	BASE	100YR24HR	20.34	2.35	-0.258	20.34	86.05	0.00	86.00
PIPE-8	BASE	100YR2HR	1.10	2.06	-0.258	1.10	86.04	0.00	86.00
PIPE-8	BASE	100YR4HR	2.40	1.50	-0.258	2.40	86.02	0.00	86.00
PIPE-8	BASE	100YR8HR	4.13	1.53	-0.259	4.13	86.02	0.00	86.00

Alachua Solar Pre-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR1HR	OUTFALL-8	BASE	715.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR1HR	OUTFALL-8	BASE	715.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR1HR	OUTFALL-8	BASE	716.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR1HR	OUTFALL-8	BASE	716.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	716.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	716.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	717.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	717.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	717.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	717.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	718.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR1HR	OUTFALL-8	BASE	718.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	718.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR1HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR1HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR1HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR1HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	100YR1HR
100YR24HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.08	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.17	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.33	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.42	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.58	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.67	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.83	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	0.92	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.09	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.17	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.25	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.34	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.42	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.50	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.58	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.67	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.75	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.83	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	1.92	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	2.00	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	2.08	86.00	0.00	2	0.05	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	2.17	86.00	0.00	2	0.05	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	2.25	86.00	0.00	2	0.05	0.00	0.0	0.0	
100YR24HR	OUTFALL-8	BASE	2.34	86.00	0.00	2	0.05	0.00	0.0	0.0	

Alachua Solar Pre-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR24HR	OUTFALL-8	BASE	732.25	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	732.50	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	732.75	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.00	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.25	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.50	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.75	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.00	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.25	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.50	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.75	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.00	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.25	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.50	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.75	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.00	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.25	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.50	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.75	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	737.00	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	737.25	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	737.50	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	737.75	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.00	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.25	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.50	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.75	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	739.00	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	739.25	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	739.50	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	739.75	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.00	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.25	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.50	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.75	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	741.00	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	741.25	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	741.50	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	741.75	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.00	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.25	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.50	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.75	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	743.00	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	743.25	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	743.50	86.00	0.00	2	-0.62	0.00	-35.7	0.0	
100YR24HR	OUTFALL-8	BASE	743.75	86.00	0.00	2	-0.62	0.00	-35.7	0.0	
100YR24HR	OUTFALL-8	BASE	744.00	86.00	0.00	2	-0.62	0.00	-35.7	0.0	100YR24HR
100YR2HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR2HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.08	0.00	0.0	0.0	
100YR2HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.76	0.00	0.0	0.0	
100YR2HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	1.45	0.00	0.0	0.0	

Alachua Solar Pre-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR2HR	OUTFALL-8	BASE	716.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	716.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.75	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR2HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	100YR2HR
100YR4HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.08	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.17	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.33	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.42	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.58	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.67	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.83	86.00	0.00	2	0.14	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.92	86.00	0.00	2	0.20	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.00	86.00	0.00	2	0.26	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.08	86.00	0.00	2	0.31	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.17	86.00	0.00	2	0.40	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.25	86.00	0.00	2	0.50	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.33	86.00	0.00	2	0.60	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.42	86.00	0.00	2	0.70	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.50	86.00	0.00	2	0.78	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.58	86.00	0.00	2	0.85	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.67	86.00	0.00	2	0.93	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.75	86.00	0.00	2	1.03	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.83	86.00	0.00	2	1.14	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	1.92	86.00	0.00	2	1.24	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.00	86.00	0.00	2	1.33	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.08	86.00	0.00	2	1.40	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.17	86.00	0.00	2	1.46	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.25	86.00	0.00	2	1.49	0.00	0.1	0.0	

Alachua Solar Pre-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR4HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	722.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	722.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	722.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	724.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR4HR	OUTFALL-8	BASE	724.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	100YR4HR
100YR8HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.08	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.17	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.33	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.42	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.58	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.67	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.83	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.92	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.09	86.00	0.00	2	0.03	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.17	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.25	86.00	0.00	2	0.05	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.33	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.42	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.50	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.58	86.00	0.00	2	0.08	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.67	86.00	0.00	2	0.11	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.75	86.00	0.00	2	0.13	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.83	86.00	0.00	2	0.15	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.92	86.00	0.00	2	0.16	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.00	86.00	0.00	2	0.18	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.08	86.00	0.00	2	0.19	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.17	86.00	0.00	2	0.22	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.25	86.00	0.00	2	0.26	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.33	86.00	0.00	2	0.29	0.00	0.0	0.0	

Alachua Solar Pre-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR8HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-35.9	0.0	
100YR8HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-35.9	0.0	
100YR8HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-35.9	0.0	
100YR8HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-35.9	0.0	
100YR8HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-35.9	0.0	
100YR8HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	721.25	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	721.50	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	721.75	86.00	0.00	2	-0.62	0.00	-36.0	0.0	
100YR8HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	722.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	722.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	722.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	723.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	723.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	723.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	723.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR8HR	OUTFALL-8	BASE	724.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	724.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	724.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	724.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	725.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	725.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	725.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	725.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR8HR	OUTFALL-8	BASE	726.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	726.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	726.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	726.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	727.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	727.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	727.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	727.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR8HR	OUTFALL-8	BASE	728.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR8HR	OUTFALL-8	BASE	728.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	100YR8HR

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-1	BASE	13.25	84.13	86.00	6151	0.00	0.07	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	13.50	84.12	86.00	6048	0.00	0.07	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	13.75	84.11	86.00	5946	0.00	0.07	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	14.00	84.10	86.00	5844	0.00	0.07	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	14.25	84.09	86.00	5741	0.00	0.07	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	14.50	84.08	86.00	5639	0.00	0.07	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	14.75	84.07	86.00	5536	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	15.00	84.06	86.00	5433	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	15.25	84.05	86.00	5331	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	15.50	84.04	86.00	5228	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	15.75	84.03	86.00	5126	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	16.00	84.02	86.00	5024	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	16.25	84.01	86.00	4921	0.00	0.06	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	16.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	16.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	17.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	17.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	17.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	17.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	18.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	18.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	18.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	18.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	19.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	19.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	19.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	19.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	20.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	20.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	20.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	20.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	21.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	21.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	21.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	21.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	22.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	22.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	22.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	22.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	23.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	23.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	23.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	23.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	24.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	24.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	24.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	24.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	25.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	25.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	25.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	25.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	26.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-1	BASE	26.25	84.00	86.00	4831	0.00	0.00	0.1	0.1

100YR1HR BASIN-1 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-10	BASE	46.75	72.53	79.00	24483	0.00	0.28	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	47.00	72.52	79.00	24207	0.00	0.28	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	47.25	72.51	79.00	23932	0.00	0.28	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	47.50	72.50	79.00	23656	0.00	0.27	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	47.75	72.49	79.00	23381	0.00	0.27	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	48.00	72.48	79.00	23105	0.00	0.27	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	48.25	72.47	79.00	22829	0.00	0.26	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	48.50	72.46	79.00	22554	0.00	0.26	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	48.75	72.45	79.00	22278	0.00	0.26	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	49.00	72.44	79.00	22003	0.00	0.25	2.7	2.5
100YR001HR PRE	BASIN-10	BASE	49.25	72.43	79.00	21727	0.00	0.25	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	49.50	72.42	79.00	21452	0.00	0.25	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	49.75	72.41	79.00	21176	0.00	0.25	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	50.00	72.40	79.00	20901	0.00	0.24	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	50.25	72.39	79.00	20625	0.00	0.24	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	50.50	72.38	79.00	20350	0.00	0.24	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	50.75	72.37	79.00	20074	0.00	0.23	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	51.00	72.35	79.00	19798	0.00	0.23	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	51.25	72.34	79.00	19523	0.00	0.23	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	51.50	72.33	79.00	19247	0.00	0.22	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	51.75	72.32	79.00	18971	0.00	0.22	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	52.00	72.31	79.00	18696	0.00	0.22	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	52.25	72.30	79.00	18420	0.00	0.21	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	52.50	72.29	79.00	18145	0.00	0.21	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	52.75	72.28	79.00	17869	0.00	0.21	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	53.00	72.27	79.00	17594	0.00	0.20	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	53.25	72.26	79.00	17318	0.00	0.20	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	53.50	72.25	79.00	17043	0.00	0.20	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	53.75	72.24	79.00	16767	0.00	0.19	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	54.00	72.23	79.00	16492	0.00	0.19	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	54.25	72.22	79.00	16216	0.00	0.19	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	54.50	72.21	79.00	15940	0.00	0.18	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	54.75	72.20	79.00	15665	0.00	0.18	2.7	2.6
100YR001HR PRE	BASIN-10	BASE	55.00	72.19	79.00	15389	0.00	0.18	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	55.25	72.18	79.00	15114	0.00	0.17	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	55.50	72.17	79.00	14838	0.00	0.17	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	55.75	72.16	79.00	14562	0.00	0.17	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	56.00	72.15	79.00	14287	0.00	0.17	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	56.25	72.14	79.00	14011	0.00	0.16	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	56.50	72.13	79.00	13736	0.00	0.16	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	56.75	72.12	79.00	13460	0.00	0.16	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	57.00	72.10	79.00	13185	0.00	0.15	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	57.25	72.09	79.00	12909	0.00	0.15	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	57.50	72.08	79.00	12634	0.00	0.15	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	57.75	72.07	79.00	12358	0.00	0.14	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	58.00	72.06	79.00	12083	0.00	0.14	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	58.25	72.05	79.00	11807	0.00	0.14	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	58.50	72.04	79.00	11531	0.00	0.13	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	58.75	72.03	79.00	11256	0.00	0.13	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	59.00	72.02	79.00	10980	0.00	0.13	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	59.25	72.01	79.00	10704	0.00	0.12	2.7	2.7
100YR1HR BASIN-10 PRE	BASIN-10	BASE	59.50	72.00	79.00	10429	0.00	0.12	2.7	2.7
100YR001HR PRE	BASIN-10	BASE	59.75	72.00	79.00	10411	0.00	0.00	2.7	2.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-11	BASE	0.75	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	1.00	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	1.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	1.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	1.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	2.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	2.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	2.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	2.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	3.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	3.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	3.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	3.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	4.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	4.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	4.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	4.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	5.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	5.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	5.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	5.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	6.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	6.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	6.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	6.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	7.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	7.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	7.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	7.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	8.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	8.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	8.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	8.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	9.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	9.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	9.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	9.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	10.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	10.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	10.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	10.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	11.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	11.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	11.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	11.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	12.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	12.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	12.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	12.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	13.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	13.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	13.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-11	BASE	13.75	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR1HR BASIN-11 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-12	BASE	7.75	82.45	84.00	47001	0.00	0.54	0.7	0.4
100YR001HR PRE	BASIN-12	BASE	8.00	82.44	84.00	46256	0.00	0.54	0.7	0.4
100YR001HR PRE	BASIN-12	BASE	8.25	82.43	84.00	45513	0.00	0.53	0.7	0.4
100YR001HR PRE	BASIN-12	BASE	8.50	82.42	84.00	44769	0.00	0.52	0.7	0.4
100YR001HR PRE	BASIN-12	BASE	8.75	82.41	84.00	44024	0.00	0.51	0.7	0.4
100YR001HR PRE	BASIN-12	BASE	9.00	82.40	84.00	43281	0.00	0.50	0.7	0.4
100YR001HR PRE	BASIN-12	BASE	9.25	82.38	84.00	42537	0.00	0.49	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	9.50	82.37	84.00	41793	0.00	0.48	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	9.75	82.36	84.00	41050	0.00	0.48	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	10.00	82.35	84.00	40305	0.00	0.47	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	10.25	82.34	84.00	39561	0.00	0.46	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	10.50	82.33	84.00	38818	0.00	0.45	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	10.75	82.32	84.00	38073	0.00	0.44	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	11.00	82.31	84.00	37330	0.00	0.43	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	11.25	82.30	84.00	36586	0.00	0.42	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	11.50	82.29	84.00	35842	0.00	0.41	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	11.75	82.28	84.00	35099	0.00	0.41	0.7	0.5
100YR001HR PRE	BASIN-12	BASE	12.00	82.27	84.00	34354	0.00	0.40	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	12.25	82.26	84.00	33610	0.00	0.39	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	12.50	82.25	84.00	32867	0.00	0.38	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	12.75	82.24	84.00	32123	0.00	0.37	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	13.00	82.23	84.00	31380	0.00	0.36	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	13.25	82.22	84.00	30635	0.00	0.35	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	13.50	82.21	84.00	29891	0.00	0.35	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	13.75	82.20	84.00	29148	0.00	0.34	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	14.00	82.19	84.00	28403	0.00	0.33	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	14.25	82.18	84.00	27659	0.00	0.32	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	14.50	82.17	84.00	26916	0.00	0.31	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	14.75	82.16	84.00	26172	0.00	0.30	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	15.00	82.15	84.00	25427	0.00	0.29	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	15.25	82.13	84.00	24684	0.00	0.29	0.7	0.6
100YR001HR PRE	BASIN-12	BASE	15.50	82.12	84.00	23940	0.00	0.28	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	15.75	82.11	84.00	23197	0.00	0.27	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	16.00	82.10	84.00	22452	0.00	0.26	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	16.25	82.09	84.00	21708	0.00	0.25	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	16.50	82.08	84.00	20965	0.00	0.24	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	16.75	82.07	84.00	20221	0.00	0.23	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	17.00	82.06	84.00	19476	0.00	0.23	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	17.25	82.05	84.00	18733	0.00	0.22	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	17.50	82.04	84.00	17989	0.00	0.21	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	17.75	82.03	84.00	17246	0.00	0.20	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	18.00	82.02	84.00	16502	0.00	0.19	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	18.25	82.01	84.00	15757	0.00	0.18	0.7	0.7
100YR1HR BASIN-12 PRE	BASIN-12	BASE	18.50	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	18.75	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	19.00	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	19.25	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	19.50	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	19.75	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	20.00	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	20.25	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	20.50	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR001HR PRE	BASIN-12	BASE	20.75	82.00	84.00	15050	0.00	0.00	0.7	0.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-13	BASE	41.25	80.20	89.00	709	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	41.50	80.19	89.00	705	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	41.75	80.18	89.00	700	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	42.00	80.17	89.00	696	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	42.25	80.16	89.00	692	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	42.50	80.15	89.00	687	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	42.75	80.14	89.00	683	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	43.00	80.12	89.00	679	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	43.25	80.11	89.00	675	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	43.50	80.10	89.00	670	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	43.75	80.09	89.00	666	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	44.00	80.08	89.00	662	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	44.25	80.07	89.00	657	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	44.50	80.06	89.00	653	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	44.75	80.05	89.00	649	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	45.00	80.04	89.00	644	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	45.25	80.03	89.00	640	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	45.50	80.02	89.00	636	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	45.75	80.01	89.00	631	0.00	0.01	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	46.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	46.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	46.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	46.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	47.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	47.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	47.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	47.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	48.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	48.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	48.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	48.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	49.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	49.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	49.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	49.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	50.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	50.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	50.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	50.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	51.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	51.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	51.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	51.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	52.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	52.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	52.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	52.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	53.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	53.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	53.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	53.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	54.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-13	BASE	54.25	80.00	89.00	627	0.00	0.00	0.0	0.0

100YR1HR BASIN-13 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-14	BASE	48.25	75.32	84.00	604	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	48.50	75.31	84.00	588	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	48.75	75.30	84.00	572	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	49.00	75.29	84.00	556	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	49.25	75.28	84.00	540	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	49.50	75.27	84.00	525	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	49.75	75.26	84.00	509	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	50.00	75.25	84.00	493	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	50.25	75.24	84.00	477	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	50.50	75.23	84.00	461	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	50.75	75.22	84.00	445	0.00	0.01	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	51.00	75.21	84.00	429	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	51.25	75.20	84.00	413	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	51.50	75.19	84.00	397	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	51.75	75.18	84.00	381	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	52.00	75.17	84.00	365	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	52.25	75.16	84.00	349	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	52.50	75.15	84.00	333	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	52.75	75.14	84.00	317	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	53.00	75.13	84.00	302	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	53.25	75.12	84.00	286	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	53.50	75.11	84.00	270	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	53.75	75.09	84.00	254	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	54.00	75.08	84.00	238	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	54.25	75.07	84.00	222	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	54.50	75.06	84.00	206	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	54.75	75.05	84.00	190	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	55.00	75.04	84.00	174	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	55.25	75.03	84.00	158	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	55.50	75.02	84.00	142	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	55.75	75.01	84.00	126	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	56.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	56.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	56.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	56.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	57.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	57.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	57.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	57.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	58.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	58.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	58.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	58.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	59.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	59.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	59.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	59.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	60.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	60.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	60.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	60.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	61.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	61.25	75.00	84.00	113	0.00	0.00	0.1	0.1

100YR1HR BASIN-14 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-14	BASE	710.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	711.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	711.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	711.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	711.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	712.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	712.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	712.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	712.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	713.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	713.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	713.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	713.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	714.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	714.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	714.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	714.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	715.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	715.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	715.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	715.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	716.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	716.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	716.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	716.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	717.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	717.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	717.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	717.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	718.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	718.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	718.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	718.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	719.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	719.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	719.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	719.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	720.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	720.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	720.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	720.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	721.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-14	BASE	721.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR001HR PRE	BASIN-15	BASE	0.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	0.25	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	0.50	83.00	84.75	29686	0.05	0.05	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	0.75	83.00	84.75	29686	0.07	0.07	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	1.00	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	1.25	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	1.50	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	1.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-15	BASE	2.00	83.00	84.75	29686	0.00	0.00	0.0	0.0

100YR1HR BASIN-15 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-2	BASE	713.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	713.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	713.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	714.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	714.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	714.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	714.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	715.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	715.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	715.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	715.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	716.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	716.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	716.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	716.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	717.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	717.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	717.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	717.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	718.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	718.25	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	718.50	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	718.75	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	719.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	719.25	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	719.50	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	719.75	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	720.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	720.25	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	720.50	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	720.75	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-2	BASE	721.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR001HR PRE	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-3	BASE	0.25	80.00	88.00	105807	1.69	1.22	0.0	0.0
100YR001HR PRE	BASIN-3	BASE	0.50	80.08	88.00	111840	26.46	1.29	0.3	0.0
100YR001HR PRE	BASIN-3	BASE	0.75	80.43	88.00	137544	69.72	1.59	1.3	0.1
100YR001HR PRE	BASIN-3	BASE	1.00	80.85	88.00	168310	68.38	1.95	2.7	0.1
100YR001HR PRE	BASIN-3	BASE	1.25	81.12	88.00	188768	46.10	2.18	3.9	0.1
100YR001HR PRE	BASIN-3	BASE	1.50	81.29	88.00	200929	30.66	2.33	4.7	0.2
100YR001HR PRE	BASIN-3	BASE	1.75	81.39	88.00	208523	21.37	2.41	5.2	0.2
100YR001HR PRE	BASIN-3	BASE	2.00	81.46	88.00	213661	16.29	2.47	5.6	0.3
100YR001HR PRE	BASIN-3	BASE	2.25	81.51	88.00	217321	12.49	2.52	5.9	0.3
100YR001HR PRE	BASIN-3	BASE	2.50	81.54	88.00	219755	8.83	2.54	6.2	0.4
100YR001HR PRE	BASIN-3	BASE	2.75	81.56	88.00	221128	5.50	2.56	6.3	0.5
100YR001HR PRE	BASIN-3	BASE	3.00	81.57	88.00	221635	3.12	2.57	6.4	0.5
100YR001HR PRE	BASIN-3	BASE	3.25	81.57	88.00	221511	1.24	2.56	6.4	0.6
100YR001HR PRE	BASIN-3	BASE	3.50	81.56	88.00	220929	0.19	2.56	6.4	0.6
100YR001HR PRE	BASIN-3	BASE	3.75	81.55	88.00	220178	0.01	2.55	6.5	0.7
100YR001HR PRE	BASIN-3	BASE	4.00	81.54	88.00	219410	0.00	2.54	6.5	0.7
100YR001HR PRE	BASIN-3	BASE	4.25	81.53	88.00	218640	0.00	2.53	6.5	0.8
100YR001HR PRE	BASIN-3	BASE	4.50	81.52	88.00	217871	0.00	2.52	6.5	0.8
100YR001HR PRE	BASIN-3	BASE	4.75	81.51	88.00	217102	0.00	2.51	6.5	0.9

100YR1HR BASIN-2 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-3	BASE	29.50	80.48	88.00	140941	0.00	1.63	6.5	5.1
100YR001HR PRE	BASIN-3	BASE	29.75	80.47	88.00	140171	0.00	1.62	6.5	5.1
100YR001HR PRE	BASIN-3	BASE	30.00	80.46	88.00	139401	0.00	1.61	6.5	5.2
100YR001HR PRE	BASIN-3	BASE	30.25	80.44	88.00	138633	0.00	1.60	6.5	5.2
100YR001HR PRE	BASIN-3	BASE	30.50	80.43	88.00	137863	0.00	1.60	6.5	5.2
100YR001HR PRE	BASIN-3	BASE	30.75	80.42	88.00	137094	0.00	1.59	6.5	5.3
100YR001HR PRE	BASIN-3	BASE	31.00	80.41	88.00	136325	0.00	1.58	6.5	5.3
100YR001HR PRE	BASIN-3	BASE	31.25	80.40	88.00	135555	0.00	1.57	6.5	5.3
100YR001HR PRE	BASIN-3	BASE	31.50	80.39	88.00	134786	0.00	1.56	6.5	5.4
100YR001HR PRE	BASIN-3	BASE	31.75	80.38	88.00	134017	0.00	1.55	6.5	5.4
100YR001HR PRE	BASIN-3	BASE	32.00	80.37	88.00	133247	0.00	1.54	6.5	5.4
100YR001HR PRE	BASIN-3	BASE	32.25	80.36	88.00	132478	0.00	1.53	6.5	5.5
100YR001HR PRE	BASIN-3	BASE	32.50	80.35	88.00	131709	0.00	1.52	6.5	5.5
100YR001HR PRE	BASIN-3	BASE	32.75	80.34	88.00	130940	0.00	1.52	6.5	5.5
100YR001HR PRE	BASIN-3	BASE	33.00	80.33	88.00	130170	0.00	1.51	6.5	5.6
100YR001HR PRE	BASIN-3	BASE	33.25	80.32	88.00	129401	0.00	1.50	6.5	5.6
100YR001HR PRE	BASIN-3	BASE	33.50	80.31	88.00	128632	0.00	1.49	6.5	5.6
100YR001HR PRE	BASIN-3	BASE	33.75	80.30	88.00	127862	0.00	1.48	6.5	5.7
100YR001HR PRE	BASIN-3	BASE	34.00	80.29	88.00	127093	0.00	1.47	6.5	5.7
100YR001HR PRE	BASIN-3	BASE	34.25	80.28	88.00	126324	0.00	1.46	6.5	5.7
100YR001HR PRE	BASIN-3	BASE	34.50	80.27	88.00	125554	0.00	1.45	6.5	5.7
100YR001HR PRE	BASIN-3	BASE	34.75	80.26	88.00	124785	0.00	1.44	6.5	5.8
100YR001HR PRE	BASIN-3	BASE	35.00	80.25	88.00	124016	0.00	1.44	6.5	5.8
100YR001HR PRE	BASIN-3	BASE	35.25	80.24	88.00	123246	0.00	1.43	6.5	5.8
100YR001HR PRE	BASIN-3	BASE	35.50	80.23	88.00	122478	0.00	1.42	6.5	5.9
100YR001HR PRE	BASIN-3	BASE	35.75	80.22	88.00	121708	0.00	1.41	6.5	5.9
100YR001HR PRE	BASIN-3	BASE	36.00	80.21	88.00	120938	0.00	1.40	6.5	5.9
100YR001HR PRE	BASIN-3	BASE	36.25	80.19	88.00	120170	0.00	1.39	6.5	6.0
100YR001HR PRE	BASIN-3	BASE	36.50	80.18	88.00	119400	0.00	1.38	6.5	6.0
100YR001HR PRE	BASIN-3	BASE	36.75	80.17	88.00	118630	0.00	1.37	6.5	6.0
100YR001HR PRE	BASIN-3	BASE	37.00	80.16	88.00	117862	0.00	1.36	6.5	6.0
100YR001HR PRE	BASIN-3	BASE	37.25	80.15	88.00	117092	0.00	1.36	6.5	6.1
100YR001HR PRE	BASIN-3	BASE	37.50	80.14	88.00	116322	0.00	1.35	6.5	6.1
100YR001HR PRE	BASIN-3	BASE	37.75	80.13	88.00	115554	0.00	1.34	6.5	6.1
100YR001HR PRE	BASIN-3	BASE	38.00	80.12	88.00	114784	0.00	1.33	6.5	6.1
100YR001HR PRE	BASIN-3	BASE	38.25	80.11	88.00	114016	0.00	1.32	6.5	6.2
100YR001HR PRE	BASIN-3	BASE	38.50	80.10	88.00	113246	0.00	1.31	6.5	6.2
100YR001HR PRE	BASIN-3	BASE	38.75	80.09	88.00	112476	0.00	1.30	6.5	6.2
100YR001HR PRE	BASIN-3	BASE	39.00	80.08	88.00	111708	0.00	1.29	6.5	6.3
100YR001HR PRE	BASIN-3	BASE	39.25	80.07	88.00	110938	0.00	1.28	6.5	6.3
100YR001HR PRE	BASIN-3	BASE	39.50	80.06	88.00	110168	0.00	1.28	6.5	6.3
100YR001HR PRE	BASIN-3	BASE	39.75	80.05	88.00	109400	0.00	1.27	6.5	6.3
100YR001HR PRE	BASIN-3	BASE	40.00	80.04	88.00	108630	0.00	1.26	6.5	6.4
100YR001HR PRE	BASIN-3	BASE	40.25	80.03	88.00	107862	0.00	1.25	6.5	6.4
100YR001HR PRE	BASIN-3	BASE	40.50	80.02	88.00	107092	0.00	1.24	6.5	6.4
100YR001HR PRE	BASIN-3	BASE	40.75	80.01	88.00	106322	0.00	1.23	6.5	6.4
100YR001HR PRE	BASIN-3	BASE	41.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR001HR PRE	BASIN-3	BASE	41.25	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR001HR PRE	BASIN-3	BASE	41.50	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR001HR PRE	BASIN-3	BASE	41.75	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR001HR PRE	BASIN-3	BASE	42.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR001HR PRE	BASIN-3	BASE	42.25	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR001HR PRE	BASIN-3	BASE	42.50	80.00	88.00	105790	0.00	0.00	6.5	6.5

100YR1HR BASIN-3 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-4	BASE	36.50	81.39	87.00	15008	0.00	0.17	1.2	1.1
100YR001HR PRE	BASIN-4	BASE	36.75	81.38	87.00	14813	0.00	0.17	1.2	1.1
100YR001HR PRE	BASIN-4	BASE	37.00	81.37	87.00	14618	0.00	0.17	1.2	1.1
100YR001HR PRE	BASIN-4	BASE	37.25	81.36	87.00	14423	0.00	0.17	1.2	1.1
100YR001HR PRE	BASIN-4	BASE	37.50	81.35	87.00	14229	0.00	0.16	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	37.75	81.34	87.00	14034	0.00	0.16	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	38.00	81.33	87.00	13839	0.00	0.16	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	38.25	81.32	87.00	13645	0.00	0.16	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	38.50	81.31	87.00	13450	0.00	0.16	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	38.75	81.30	87.00	13255	0.00	0.15	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	39.00	81.29	87.00	13061	0.00	0.15	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	39.25	81.28	87.00	12866	0.00	0.15	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	39.50	81.27	87.00	12671	0.00	0.15	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	39.75	81.26	87.00	12476	0.00	0.14	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	40.00	81.25	87.00	12282	0.00	0.14	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	40.25	81.24	87.00	12087	0.00	0.14	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	40.50	81.23	87.00	11892	0.00	0.14	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	40.75	81.22	87.00	11697	0.00	0.14	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	41.00	81.21	87.00	11503	0.00	0.13	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	41.25	81.19	87.00	11308	0.00	0.13	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	41.50	81.18	87.00	11113	0.00	0.13	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	41.75	81.17	87.00	10919	0.00	0.13	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	42.00	81.16	87.00	10724	0.00	0.12	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	42.25	81.15	87.00	10529	0.00	0.12	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	42.50	81.14	87.00	10335	0.00	0.12	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	42.75	81.13	87.00	10140	0.00	0.12	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	43.00	81.12	87.00	9945	0.00	0.12	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	43.25	81.11	87.00	9751	0.00	0.11	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	43.50	81.10	87.00	9556	0.00	0.11	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	43.75	81.09	87.00	9361	0.00	0.11	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	44.00	81.08	87.00	9166	0.00	0.11	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	44.25	81.07	87.00	8972	0.00	0.10	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	44.50	81.06	87.00	8777	0.00	0.10	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	44.75	81.05	87.00	8582	0.00	0.10	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	45.00	81.04	87.00	8388	0.00	0.10	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	45.25	81.03	87.00	8193	0.00	0.09	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	45.50	81.02	87.00	7998	0.00	0.09	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	45.75	81.01	87.00	7804	0.00	0.09	1.2	1.2
100YR1HR BASIN-4 PRE										
100YR001HR PRE	BASIN-4	BASE	46.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	46.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	46.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	46.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	47.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	47.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	47.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	47.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	48.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	48.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	48.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	48.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	49.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	49.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR001HR PRE	BASIN-4	BASE	49.50	81.00	87.00	7667	0.00	0.00	1.2	1.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-5	BASE	56.75	85.29	89.00	39726	0.00	0.46	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	57.00	85.28	89.00	39346	0.00	0.46	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	57.25	85.27	89.00	38966	0.00	0.45	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	57.50	85.26	89.00	38587	0.00	0.45	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	57.75	85.25	89.00	38208	0.00	0.44	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	58.00	85.24	89.00	37829	0.00	0.44	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	58.25	85.23	89.00	37449	0.00	0.43	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	58.50	85.22	89.00	37069	0.00	0.43	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	58.75	85.21	89.00	36690	0.00	0.42	6.4	6.2
100YR001HR PRE	BASIN-5	BASE	59.00	85.20	89.00	36311	0.00	0.42	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	59.25	85.19	89.00	35931	0.00	0.42	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	59.50	85.18	89.00	35552	0.00	0.41	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	59.75	85.17	89.00	35172	0.00	0.41	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	60.00	85.16	89.00	34793	0.00	0.40	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	60.25	85.15	89.00	34414	0.00	0.40	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	60.50	85.14	89.00	34034	0.00	0.39	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	60.75	85.13	89.00	33655	0.00	0.39	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	61.00	85.12	89.00	33275	0.00	0.39	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	61.25	85.11	89.00	32896	0.00	0.38	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	61.50	85.10	89.00	32517	0.00	0.38	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	61.75	85.09	89.00	32137	0.00	0.37	6.4	6.3
100YR001HR PRE	BASIN-5	BASE	62.00	85.07	89.00	31757	0.00	0.37	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	62.25	85.06	89.00	31378	0.00	0.36	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	62.50	85.05	89.00	30999	0.00	0.36	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	62.75	85.04	89.00	30620	0.00	0.35	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	63.00	85.03	89.00	30240	0.00	0.35	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	63.25	85.02	89.00	29860	0.00	0.35	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	63.50	85.01	89.00	29481	0.00	0.34	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	63.75	85.00	89.00	29102	0.00	0.34	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	64.00	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	64.25	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	64.50	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	64.75	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	65.00	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	65.25	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	65.50	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	65.75	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	66.00	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	66.25	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	66.50	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	66.75	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	67.00	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	67.25	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	67.50	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	67.75	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	68.00	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	68.25	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	68.50	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	68.75	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	69.00	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	69.25	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	69.50	85.00	89.00	29028	0.00	0.00	6.4	6.4
100YR001HR PRE	BASIN-5	BASE	69.75	85.00	89.00	29028	0.00	0.00	6.4	6.4

100YR1HR BASIN-5 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-6	BASE	37.25	82.48	87.00	25818	0.00	0.30	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	37.50	82.47	87.00	25582	0.00	0.30	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	37.75	82.45	87.00	25346	0.00	0.29	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	38.00	82.44	87.00	25109	0.00	0.29	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	38.25	82.43	87.00	24873	0.00	0.29	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	38.50	82.42	87.00	24637	0.00	0.29	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	38.75	82.41	87.00	24401	0.00	0.28	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	39.00	82.40	87.00	24165	0.00	0.28	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	39.25	82.39	87.00	23928	0.00	0.28	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	39.50	82.38	87.00	23692	0.00	0.27	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	39.75	82.37	87.00	23456	0.00	0.27	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	40.00	82.36	87.00	23220	0.00	0.27	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	40.25	82.35	87.00	22984	0.00	0.27	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	40.50	82.34	87.00	22747	0.00	0.26	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	40.75	82.33	87.00	22511	0.00	0.26	1.8	1.6
100YR001HR PRE	BASIN-6	BASE	41.00	82.32	87.00	22275	0.00	0.26	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	41.25	82.31	87.00	22039	0.00	0.26	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	41.50	82.30	87.00	21802	0.00	0.25	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	41.75	82.29	87.00	21566	0.00	0.25	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	42.00	82.28	87.00	21330	0.00	0.25	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	42.25	82.27	87.00	21094	0.00	0.24	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	42.50	82.26	87.00	20858	0.00	0.24	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	42.75	82.25	87.00	20621	0.00	0.24	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	43.00	82.24	87.00	20385	0.00	0.24	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	43.25	82.23	87.00	20149	0.00	0.23	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	43.50	82.22	87.00	19912	0.00	0.23	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	43.75	82.20	87.00	19677	0.00	0.23	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	44.00	82.19	87.00	19440	0.00	0.23	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	44.25	82.18	87.00	19204	0.00	0.22	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	44.50	82.17	87.00	18968	0.00	0.22	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	44.75	82.16	87.00	18731	0.00	0.22	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	45.00	82.15	87.00	18496	0.00	0.21	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	45.25	82.14	87.00	18259	0.00	0.21	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	45.50	82.13	87.00	18023	0.00	0.21	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	45.75	82.12	87.00	17787	0.00	0.21	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	46.00	82.11	87.00	17550	0.00	0.20	1.8	1.7
100YR001HR PRE	BASIN-6	BASE	46.25	82.10	87.00	17314	0.00	0.20	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	46.50	82.09	87.00	17078	0.00	0.20	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	46.75	82.08	87.00	16842	0.00	0.19	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	47.00	82.07	87.00	16605	0.00	0.19	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	47.25	82.06	87.00	16369	0.00	0.19	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	47.50	82.05	87.00	16133	0.00	0.19	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	47.75	82.04	87.00	15897	0.00	0.18	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	48.00	82.03	87.00	15661	0.00	0.18	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	48.25	82.02	87.00	15424	0.00	0.18	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	48.50	82.01	87.00	15188	0.00	0.18	1.8	1.8
100YR1HR BASIN-6 PRE	BASIN-6	BASE	48.75	82.00	87.00	15028	0.00	0.00	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	49.00	82.00	87.00	15028	0.00	0.00	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	49.25	82.00	87.00	15028	0.00	0.00	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	49.50	82.00	87.00	15028	0.00	0.00	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	49.75	82.00	87.00	15028	0.00	0.00	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	50.00	82.00	87.00	15028	0.00	0.00	1.8	1.8
100YR001HR PRE	BASIN-6	BASE	50.25	82.00	87.00	15028	0.00	0.00	1.8	1.8

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-7	BASE	31.00	75.25	80.00	34753	0.00	0.40	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	31.25	75.24	80.00	34002	0.00	0.39	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	31.50	75.23	80.00	33252	0.00	0.38	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	31.75	75.22	80.00	32502	0.00	0.38	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	32.00	75.21	80.00	31751	0.00	0.37	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	32.25	75.20	80.00	31001	0.00	0.36	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	32.50	75.19	80.00	30250	0.00	0.35	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	32.75	75.18	80.00	29501	0.00	0.34	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	33.00	75.17	80.00	28750	0.00	0.33	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	33.25	75.16	80.00	27999	0.00	0.32	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	33.50	75.15	80.00	27250	0.00	0.32	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	33.75	75.14	80.00	26499	0.00	0.31	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	34.00	75.13	80.00	25748	0.00	0.30	2.4	2.3
100YR001HR PRE	BASIN-7	BASE	34.25	75.12	80.00	24998	0.00	0.29	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	34.50	75.11	80.00	24247	0.00	0.28	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	34.75	75.10	80.00	23497	0.00	0.27	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	35.00	75.09	80.00	22747	0.00	0.26	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	35.25	75.08	80.00	21996	0.00	0.25	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	35.50	75.07	80.00	21247	0.00	0.25	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	35.75	75.06	80.00	20496	0.00	0.24	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	36.00	75.05	80.00	19745	0.00	0.23	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	36.25	75.04	80.00	18996	0.00	0.22	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	36.50	75.03	80.00	18245	0.00	0.21	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	36.75	75.01	80.00	17494	0.00	0.20	2.4	2.4
100YR1HR BASIN-7 PRE	BASIN-7	BASE	37.00	75.00	80.00	16744	0.00	0.19	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	37.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	37.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	37.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	38.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	38.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	38.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	38.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	39.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	39.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	39.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	39.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	40.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	40.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	40.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	40.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	41.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	41.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	41.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	41.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	42.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	42.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	42.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	42.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	43.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	43.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	43.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	43.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	44.00	75.00	80.00	16431	0.00	0.00	2.4	2.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-7	BASE	720.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	720.25	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	720.50	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	720.75	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	721.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-7	BASE	721.00	75.00	80.00	16431	0.00	0.00	2.4	2.4
100YR001HR PRE	BASIN-8	BASE	0.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
100YR001HR PRE	BASIN-8	BASE	0.25	86.00	87.00	115	0.20	-0.50	0.0	-0.0
100YR001HR PRE	BASIN-8	BASE	0.50	86.01	87.00	27031	2.03	1.30	0.0	0.0
100YR001HR PRE	BASIN-8	BASE	0.75	86.04	87.00	28134	3.26	2.39	0.1	0.0
100YR001HR PRE	BASIN-8	BASE	1.00	86.05	87.00	28464	2.30	2.62	0.1	0.1
100YR001HR PRE	BASIN-8	BASE	1.25	86.03	87.00	27713	1.27	2.06	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	1.50	86.01	87.00	26969	0.78	1.20	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	1.75	86.00	87.00	26717	0.45	0.50	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	2.00	86.00	87.00	26705	0.21	0.21	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	2.25	86.00	87.00	26704	0.06	0.01	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	2.50	86.00	87.00	115	0.01	-0.60	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	2.75	86.00	87.00	115	0.00	-0.61	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	3.00	86.00	87.00	115	0.00	-0.61	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	3.25	86.00	87.00	115	0.00	-0.61	0.2	0.2
100YR001HR PRE	BASIN-8	BASE	3.50	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	3.75	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	4.00	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	4.25	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	4.50	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	4.75	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	5.00	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	5.25	86.00	87.00	115	0.00	-0.61	0.2	0.1
100YR001HR PRE	BASIN-8	BASE	5.50	86.00	87.00	115	0.00	-0.61	0.2	0.0
100YR001HR PRE	BASIN-8	BASE	5.75	86.00	87.00	115	0.00	-0.61	0.2	0.0
100YR001HR PRE	BASIN-8	BASE	6.00	86.00	87.00	115	0.00	-0.61	0.2	0.0
100YR001HR PRE	BASIN-8	BASE	6.25	86.00	87.00	115	0.00	-0.61	0.2	0.0
100YR001HR PRE	BASIN-8	BASE	6.50	86.00	87.00	115	0.00	-0.61	0.2	-0.0
100YR001HR PRE	BASIN-8	BASE	6.75	86.00	87.00	115	0.00	-0.61	0.2	-0.0
100YR001HR PRE	BASIN-8	BASE	7.00	86.00	87.00	115	0.00	-0.61	0.2	-0.0
100YR001HR PRE	BASIN-8	BASE	7.25	86.00	87.00	115	0.00	-0.61	0.2	-0.0
100YR001HR PRE	BASIN-8	BASE	7.50	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	7.75	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	8.00	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	8.25	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	8.50	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	8.75	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	9.00	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	9.25	86.00	87.00	115	0.00	-0.61	0.2	-0.1
100YR001HR PRE	BASIN-8	BASE	9.50	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	9.75	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	10.00	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	10.25	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	10.50	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	10.75	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	11.00	86.00	87.00	115	0.00	-0.61	0.2	-0.2
100YR001HR PRE	BASIN-8	BASE	11.25	86.00	87.00	115	0.00	-0.61	0.2	-0.2

100YR1HR BASIN-8 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR001HR PRE	BASIN-9	BASE	58.25	72.54	79.75	2838	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	58.50	72.53	79.75	2800	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	58.75	72.52	79.75	2763	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	59.00	72.51	79.75	2725	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	59.25	72.50	79.75	2687	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	59.50	72.49	79.75	2650	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	59.75	72.48	79.75	2612	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	60.00	72.47	79.75	2575	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	60.25	72.46	79.75	2537	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	60.50	72.45	79.75	2499	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	60.75	72.44	79.75	2462	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	61.00	72.43	79.75	2424	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	61.25	72.42	79.75	2387	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	61.50	72.41	79.75	2349	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	61.75	72.40	79.75	2311	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	62.00	72.39	79.75	2274	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	62.25	72.38	79.75	2236	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	62.50	72.37	79.75	2199	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	62.75	72.35	79.75	2161	0.00	0.03	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	63.00	72.34	79.75	2123	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	63.25	72.33	79.75	2086	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	63.50	72.32	79.75	2048	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	63.75	72.31	79.75	2010	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	64.00	72.30	79.75	1973	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	64.25	72.29	79.75	1935	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	64.50	72.28	79.75	1898	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	64.75	72.27	79.75	1860	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	65.00	72.26	79.75	1822	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	65.25	72.25	79.75	1785	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	65.50	72.24	79.75	1747	0.00	0.02	0.9	0.8
100YR001HR PRE	BASIN-9	BASE	65.75	72.23	79.75	1710	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	66.00	72.22	79.75	1672	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	66.25	72.21	79.75	1634	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	66.50	72.20	79.75	1597	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	66.75	72.19	79.75	1559	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	67.00	72.18	79.75	1521	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	67.25	72.17	79.75	1484	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	67.50	72.16	79.75	1446	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	67.75	72.15	79.75	1409	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	68.00	72.14	79.75	1371	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	68.25	72.13	79.75	1333	0.00	0.02	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	68.50	72.12	79.75	1296	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	68.75	72.10	79.75	1258	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	69.00	72.09	79.75	1221	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	69.25	72.08	79.75	1183	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	69.50	72.07	79.75	1145	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	69.75	72.06	79.75	1108	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	70.00	72.05	79.75	1070	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	70.25	72.04	79.75	1032	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	70.50	72.03	79.75	995	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	70.75	72.02	79.75	957	0.00	0.01	0.9	0.9
100YR001HR PRE	BASIN-9	BASE	71.00	72.01	79.75	920	0.00	0.01	0.9	0.9
100YR1HR BASIN-9 PRE	BASIN-9	BASE	71.25	72.00	79.75	882	0.00	0.01	0.9	0.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-1	BASE	12.25	84.29	86.00	7648	0.00	0.09	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	12.50	84.28	86.00	7546	0.00	0.09	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	12.75	84.27	86.00	7444	0.00	0.09	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	13.00	84.26	86.00	7341	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	13.25	84.24	86.00	7238	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	13.50	84.23	86.00	7136	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	13.75	84.22	86.00	7033	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	14.00	84.21	86.00	6931	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	14.25	84.20	86.00	6828	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	14.50	84.19	86.00	6726	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	14.75	84.18	86.00	6623	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	15.00	84.17	86.00	6521	0.00	0.08	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	15.25	84.16	86.00	6418	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	15.50	84.15	86.00	6316	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	15.75	84.14	86.00	6213	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	16.00	84.13	86.00	6111	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	16.25	84.12	86.00	6008	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	16.50	84.11	86.00	5906	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	16.75	84.10	86.00	5803	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	17.00	84.09	86.00	5701	0.00	0.07	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	17.25	84.08	86.00	5598	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	17.50	84.07	86.00	5496	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	17.75	84.06	86.00	5393	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	18.00	84.05	86.00	5291	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	18.25	84.04	86.00	5188	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	18.50	84.03	86.00	5086	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	18.75	84.02	86.00	4983	0.00	0.06	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	19.00	84.01	86.00	4881	0.00	0.06	0.1	0.1
100YR2HR BASIN-1 PRE	BASIN-1	BASE	19.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	19.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	19.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	20.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	20.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	20.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	20.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	21.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	21.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	21.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	21.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	22.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	22.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	22.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	22.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	23.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	23.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	23.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	23.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	24.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	24.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	24.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	24.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	25.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-1	BASE	25.25	84.00	86.00	4831	0.00	0.00	0.1	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-10	BASE	58.00	72.29	79.00	18053	0.00	0.21	3.3	3.2
100YR002HR PRE	BASIN-10	BASE	58.25	72.28	79.00	17778	0.00	0.21	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	58.50	72.27	79.00	17502	0.00	0.20	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	58.75	72.26	79.00	17226	0.00	0.20	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	59.00	72.25	79.00	16951	0.00	0.20	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	59.25	72.24	79.00	16675	0.00	0.19	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	59.50	72.23	79.00	16400	0.00	0.19	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	59.75	72.22	79.00	16124	0.00	0.19	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	60.00	72.21	79.00	15849	0.00	0.18	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	60.25	72.20	79.00	15573	0.00	0.18	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	60.50	72.18	79.00	15297	0.00	0.18	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	60.75	72.17	79.00	15022	0.00	0.17	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	61.00	72.16	79.00	14746	0.00	0.17	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	61.25	72.15	79.00	14471	0.00	0.17	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	61.50	72.14	79.00	14195	0.00	0.16	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	61.75	72.13	79.00	13920	0.00	0.16	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	62.00	72.12	79.00	13644	0.00	0.16	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	62.25	72.11	79.00	13369	0.00	0.15	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	62.50	72.10	79.00	13093	0.00	0.15	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	62.75	72.09	79.00	12817	0.00	0.15	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	63.00	72.08	79.00	12542	0.00	0.15	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	63.25	72.07	79.00	12266	0.00	0.14	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	63.50	72.06	79.00	11991	0.00	0.14	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	63.75	72.05	79.00	11715	0.00	0.14	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	64.00	72.04	79.00	11440	0.00	0.13	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	64.25	72.03	79.00	11164	0.00	0.13	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	64.50	72.02	79.00	10888	0.00	0.13	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	64.75	72.01	79.00	10613	0.00	0.12	3.3	3.3
100YR2HR BASIN-10 PRE	BASIN-10	BASE	65.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	65.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	65.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	65.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	66.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	66.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	66.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	66.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	67.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	67.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	67.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	67.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	68.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	68.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	68.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	68.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	69.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	69.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	69.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	69.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	70.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	70.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	70.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	70.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	71.00	72.00	79.00	10411	0.00	0.00	3.3	3.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-10	BASE	720.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	720.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	721.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	721.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	721.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	721.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	722.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-10	BASE	722.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR002HR PRE	BASIN-11	BASE	0.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	0.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	0.50	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	0.75	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	1.00	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	1.25	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	1.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	1.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	2.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	2.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	2.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	2.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	3.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	3.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	3.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	3.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	4.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	4.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	4.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	4.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	5.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	5.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	5.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	5.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	6.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	6.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	6.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	6.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	7.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	7.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	7.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	7.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	8.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	8.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	8.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	8.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	9.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	9.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	9.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	9.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	10.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	10.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	10.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-11	BASE	10.75	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR2HR BASIN-11 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-12	BASE	17.00	82.17	84.00	27149	0.00	0.31	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	17.25	82.16	84.00	26405	0.00	0.31	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	17.50	82.15	84.00	25660	0.00	0.30	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	17.75	82.14	84.00	24917	0.00	0.29	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	18.00	82.13	84.00	24173	0.00	0.28	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	18.25	82.12	84.00	23429	0.00	0.27	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	18.50	82.11	84.00	22685	0.00	0.26	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	18.75	82.10	84.00	21942	0.00	0.25	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	19.00	82.09	84.00	21197	0.00	0.25	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	19.25	82.08	84.00	20453	0.00	0.24	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	19.50	82.07	84.00	19710	0.00	0.23	0.9	0.8
100YR002HR PRE	BASIN-12	BASE	19.75	82.05	84.00	18966	0.00	0.22	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	20.00	82.04	84.00	18222	0.00	0.21	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	20.25	82.03	84.00	17479	0.00	0.20	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	20.50	82.02	84.00	16734	0.00	0.19	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	20.75	82.01	84.00	15990	0.00	0.19	0.9	0.9
100YR2HR BASIN-12 PRE										
100YR002HR PRE	BASIN-12	BASE	21.00	82.00	84.00	15247	0.00	0.18	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	21.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	21.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	21.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	22.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	22.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	22.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	22.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	23.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	23.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	23.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	23.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	24.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	24.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	24.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	24.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	25.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	25.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	25.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	25.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	26.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	26.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	26.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	26.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	27.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	27.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	27.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	27.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	28.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	28.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	28.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	28.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	29.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	29.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	29.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	29.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR002HR PRE	BASIN-12	BASE	30.00	82.00	84.00	15050	0.00	0.00	0.9	0.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-13	BASE	49.50	80.18	89.00	700	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	49.75	80.16	89.00	695	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	50.00	80.15	89.00	691	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	50.25	80.14	89.00	687	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	50.50	80.13	89.00	683	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	50.75	80.12	89.00	678	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	51.00	80.11	89.00	674	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	51.25	80.10	89.00	670	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	51.50	80.09	89.00	665	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	51.75	80.08	89.00	661	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	52.00	80.07	89.00	657	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	52.25	80.06	89.00	652	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	52.50	80.05	89.00	648	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	52.75	80.04	89.00	644	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	53.00	80.03	89.00	639	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	53.25	80.02	89.00	635	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	53.50	80.01	89.00	631	0.00	0.01	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	53.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	54.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	54.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	54.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	54.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	55.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	55.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	55.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	55.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	56.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	56.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	56.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	56.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	57.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	57.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	57.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	57.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	58.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	58.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	58.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	58.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	59.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	59.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	59.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	59.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	60.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	60.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	60.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	60.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	61.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	61.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	61.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	61.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	62.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	62.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR002HR PRE	BASIN-13	BASE	62.50	80.00	89.00	627	0.00	0.00	0.1	0.1

100YR2HR BASIN-13 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-14	BASE	55.50	75.25	84.00	485	0.00	0.01	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	55.75	75.24	84.00	469	0.00	0.01	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	56.00	75.23	84.00	453	0.00	0.01	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	56.25	75.21	84.00	437	0.00	0.01	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	56.50	75.20	84.00	421	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	56.75	75.19	84.00	405	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	57.00	75.18	84.00	389	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	57.25	75.17	84.00	373	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	57.50	75.16	84.00	357	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	57.75	75.15	84.00	342	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	58.00	75.14	84.00	326	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	58.25	75.13	84.00	310	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	58.50	75.12	84.00	294	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	58.75	75.11	84.00	278	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	59.00	75.10	84.00	262	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	59.25	75.09	84.00	246	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	59.50	75.08	84.00	230	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	59.75	75.07	84.00	214	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	60.00	75.06	84.00	198	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	60.25	75.05	84.00	182	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	60.50	75.04	84.00	166	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	60.75	75.03	84.00	150	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	61.00	75.02	84.00	134	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	61.25	75.01	84.00	119	0.00	0.00	0.2	0.2
100YR2HR BASIN-14 PRE	BASIN-14	BASE	61.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	61.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	62.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	62.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	62.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	62.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	63.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	63.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	63.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	63.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	64.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	64.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	64.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	64.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	65.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	65.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	65.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	65.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	66.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	66.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	66.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	66.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	67.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	67.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	67.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	67.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	68.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	68.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	68.50	75.00	84.00	113	0.00	0.00	0.2	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-14	BASE	718.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	718.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	718.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	718.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	719.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	719.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	719.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	719.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	720.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	720.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	720.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	720.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	721.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	721.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	721.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	721.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	722.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-14	BASE	722.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR002HR PRE	BASIN-15	BASE	0.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	0.25	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	0.50	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	0.75	83.00	84.75	29686	0.05	0.05	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	1.00	83.00	84.75	29686	0.05	0.05	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	1.25	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	1.50	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	1.75	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	2.00	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	2.25	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	2.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	2.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	3.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	3.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	3.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	3.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	4.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	4.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	4.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	4.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	5.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	5.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	5.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	5.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	6.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	6.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	6.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	6.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	7.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	7.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	7.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	7.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	8.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-15	BASE	8.25	83.00	84.75	29686	0.00	0.00	0.0	0.0

100YR2HR BASIN-15 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-2	BASE	720.50	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	720.75	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	721.00	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	721.25	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	721.50	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	721.75	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	722.00	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-2	BASE	722.00	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR002HR PRE	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-3	BASE	0.25	80.00	88.00	106042	3.65	1.23	0.0	0.0
100YR002HR PRE	BASIN-3	BASE	0.50	80.08	88.00	112056	19.84	1.30	0.3	0.0
100YR002HR PRE	BASIN-3	BASE	0.75	80.30	88.00	128165	42.12	1.48	0.9	0.1
100YR002HR PRE	BASIN-3	BASE	1.00	80.64	88.00	152846	62.60	1.77	2.0	0.1
100YR002HR PRE	BASIN-3	BASE	1.25	80.96	88.00	176345	55.08	2.04	3.2	0.1
100YR002HR PRE	BASIN-3	BASE	1.50	81.18	88.00	193229	43.68	2.24	4.2	0.2
100YR002HR PRE	BASIN-3	BASE	1.75	81.35	88.00	205627	35.48	2.38	5.1	0.2
100YR002HR PRE	BASIN-3	BASE	2.00	81.48	88.00	214993	28.85	2.49	5.7	0.3
100YR002HR PRE	BASIN-3	BASE	2.25	81.58	88.00	222139	22.52	2.57	6.3	0.3
100YR002HR PRE	BASIN-3	BASE	2.50	81.64	88.00	226992	16.02	2.63	6.7	0.4
100YR002HR PRE	BASIN-3	BASE	2.75	81.68	88.00	230120	10.99	2.66	6.9	0.4
100YR002HR PRE	BASIN-3	BASE	3.00	81.71	88.00	231937	7.14	2.68	7.1	0.5
100YR002HR PRE	BASIN-3	BASE	3.25	81.72	88.00	232794	4.40	2.69	7.2	0.6
100YR002HR PRE	BASIN-3	BASE	3.50	81.72	88.00	232982	2.40	2.70	7.3	0.6
100YR002HR PRE	BASIN-3	BASE	3.75	81.72	88.00	232705	1.20	2.69	7.3	0.7
100YR002HR PRE	BASIN-3	BASE	4.00	81.71	88.00	232186	0.61	2.69	7.4	0.7
100YR002HR PRE	BASIN-3	BASE	4.25	81.70	88.00	231537	0.27	2.68	7.4	0.8
100YR002HR PRE	BASIN-3	BASE	4.50	81.69	88.00	230817	0.09	2.67	7.4	0.8
100YR002HR PRE	BASIN-3	BASE	4.75	81.68	88.00	230061	0.01	2.66	7.4	0.9
100YR002HR PRE	BASIN-3	BASE	5.00	81.67	88.00	229292	0.00	2.65	7.4	0.9
100YR002HR PRE	BASIN-3	BASE	5.25	81.66	88.00	228524	0.00	2.64	7.4	1.0
100YR002HR PRE	BASIN-3	BASE	5.50	81.65	88.00	227754	0.00	2.64	7.4	1.1
100YR002HR PRE	BASIN-3	BASE	5.75	81.64	88.00	226985	0.00	2.63	7.4	1.1
100YR002HR PRE	BASIN-3	BASE	6.00	81.63	88.00	226216	0.00	2.62	7.4	1.2
100YR002HR PRE	BASIN-3	BASE	6.25	81.62	88.00	225447	0.00	2.61	7.4	1.2
100YR002HR PRE	BASIN-3	BASE	6.50	81.61	88.00	224677	0.00	2.60	7.4	1.3
100YR002HR PRE	BASIN-3	BASE	6.75	81.60	88.00	223907	0.00	2.59	7.4	1.3
100YR002HR PRE	BASIN-3	BASE	7.00	81.59	88.00	223139	0.00	2.58	7.4	1.4
100YR002HR PRE	BASIN-3	BASE	7.25	81.58	88.00	222369	0.00	2.57	7.4	1.4
100YR002HR PRE	BASIN-3	BASE	7.50	81.57	88.00	221599	0.00	2.56	7.4	1.5
100YR002HR PRE	BASIN-3	BASE	7.75	81.56	88.00	220831	0.00	2.56	7.4	1.5
100YR002HR PRE	BASIN-3	BASE	8.00	81.55	88.00	220061	0.00	2.55	7.4	1.6
100YR002HR PRE	BASIN-3	BASE	8.25	81.54	88.00	219292	0.00	2.54	7.4	1.6
100YR002HR PRE	BASIN-3	BASE	8.50	81.53	88.00	218523	0.00	2.53	7.4	1.7
100YR002HR PRE	BASIN-3	BASE	8.75	81.52	88.00	217754	0.00	2.52	7.4	1.7
100YR002HR PRE	BASIN-3	BASE	9.00	81.51	88.00	216984	0.00	2.51	7.4	1.8
100YR002HR PRE	BASIN-3	BASE	9.25	81.50	88.00	216214	0.00	2.50	7.4	1.8
100YR002HR PRE	BASIN-3	BASE	9.50	81.48	88.00	215446	0.00	2.49	7.4	1.9
100YR002HR PRE	BASIN-3	BASE	9.75	81.47	88.00	214676	0.00	2.48	7.4	2.0
100YR002HR PRE	BASIN-3	BASE	10.00	81.46	88.00	213907	0.00	2.48	7.4	2.0
100YR002HR PRE	BASIN-3	BASE	10.25	81.45	88.00	213138	0.00	2.47	7.4	2.1
100YR002HR PRE	BASIN-3	BASE	10.50	81.44	88.00	212369	0.00	2.46	7.4	2.1
100YR002HR PRE	BASIN-3	BASE	10.75	81.43	88.00	211599	0.00	2.45	7.4	2.2

100YR2HR BASIN-2 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-3	BASE	33.75	80.47	88.00	140824	0.00	1.63	7.4	6.0
100YR002HR PRE	BASIN-3	BASE	34.00	80.46	88.00	140054	0.00	1.62	7.4	6.1
100YR002HR PRE	BASIN-3	BASE	34.25	80.45	88.00	139286	0.00	1.61	7.4	6.1
100YR002HR PRE	BASIN-3	BASE	34.50	80.44	88.00	138516	0.00	1.60	7.4	6.1
100YR002HR PRE	BASIN-3	BASE	34.75	80.43	88.00	137746	0.00	1.59	7.4	6.2
100YR002HR PRE	BASIN-3	BASE	35.00	80.42	88.00	136976	0.00	1.59	7.4	6.2
100YR002HR PRE	BASIN-3	BASE	35.25	80.41	88.00	136208	0.00	1.58	7.4	6.2
100YR002HR PRE	BASIN-3	BASE	35.50	80.40	88.00	135438	0.00	1.57	7.4	6.3
100YR002HR PRE	BASIN-3	BASE	35.75	80.39	88.00	134669	0.00	1.56	7.4	6.3
100YR002HR PRE	BASIN-3	BASE	36.00	80.38	88.00	133900	0.00	1.55	7.4	6.3
100YR002HR PRE	BASIN-3	BASE	36.25	80.37	88.00	133131	0.00	1.54	7.4	6.4
100YR002HR PRE	BASIN-3	BASE	36.50	80.36	88.00	132361	0.00	1.53	7.4	6.4
100YR002HR PRE	BASIN-3	BASE	36.75	80.35	88.00	131593	0.00	1.52	7.4	6.4
100YR002HR PRE	BASIN-3	BASE	37.00	80.34	88.00	130823	0.00	1.51	7.4	6.5
100YR002HR PRE	BASIN-3	BASE	37.25	80.33	88.00	130053	0.00	1.51	7.4	6.5
100YR002HR PRE	BASIN-3	BASE	37.50	80.32	88.00	129285	0.00	1.50	7.4	6.5
100YR002HR PRE	BASIN-3	BASE	37.75	80.31	88.00	128515	0.00	1.49	7.4	6.5
100YR002HR PRE	BASIN-3	BASE	38.00	80.30	88.00	127745	0.00	1.48	7.4	6.6
100YR002HR PRE	BASIN-3	BASE	38.25	80.29	88.00	126976	0.00	1.47	7.4	6.6
100YR002HR PRE	BASIN-3	BASE	38.50	80.28	88.00	126207	0.00	1.46	7.4	6.6
100YR002HR PRE	BASIN-3	BASE	38.75	80.27	88.00	125438	0.00	1.45	7.4	6.7
100YR002HR PRE	BASIN-3	BASE	39.00	80.26	88.00	124668	0.00	1.44	7.4	6.7
100YR002HR PRE	BASIN-3	BASE	39.25	80.25	88.00	123900	0.00	1.43	7.4	6.7
100YR002HR PRE	BASIN-3	BASE	39.50	80.23	88.00	123130	0.00	1.43	7.4	6.8
100YR002HR PRE	BASIN-3	BASE	39.75	80.22	88.00	122360	0.00	1.42	7.4	6.8
100YR002HR PRE	BASIN-3	BASE	40.00	80.21	88.00	121592	0.00	1.41	7.4	6.8
100YR002HR PRE	BASIN-3	BASE	40.25	80.20	88.00	120822	0.00	1.40	7.4	6.8
100YR002HR PRE	BASIN-3	BASE	40.50	80.19	88.00	120053	0.00	1.39	7.4	6.9
100YR002HR PRE	BASIN-3	BASE	40.75	80.18	88.00	119283	0.00	1.38	7.4	6.9
100YR002HR PRE	BASIN-3	BASE	41.00	80.17	88.00	118514	0.00	1.37	7.4	6.9
100YR002HR PRE	BASIN-3	BASE	41.25	80.16	88.00	117745	0.00	1.36	7.4	7.0
100YR002HR PRE	BASIN-3	BASE	41.50	80.15	88.00	116975	0.00	1.35	7.4	7.0
100YR002HR PRE	BASIN-3	BASE	41.75	80.14	88.00	116207	0.00	1.34	7.4	7.0
100YR002HR PRE	BASIN-3	BASE	42.00	80.13	88.00	115437	0.00	1.34	7.4	7.0
100YR002HR PRE	BASIN-3	BASE	42.25	80.12	88.00	114667	0.00	1.33	7.4	7.1
100YR002HR PRE	BASIN-3	BASE	42.50	80.11	88.00	113899	0.00	1.32	7.4	7.1
100YR002HR PRE	BASIN-3	BASE	42.75	80.10	88.00	113129	0.00	1.31	7.4	7.1
100YR002HR PRE	BASIN-3	BASE	43.00	80.09	88.00	112360	0.00	1.30	7.4	7.2
100YR002HR PRE	BASIN-3	BASE	43.25	80.08	88.00	111590	0.00	1.29	7.4	7.2
100YR002HR PRE	BASIN-3	BASE	43.50	80.07	88.00	110822	0.00	1.28	7.4	7.2
100YR002HR PRE	BASIN-3	BASE	43.75	80.06	88.00	110052	0.00	1.27	7.4	7.2
100YR002HR PRE	BASIN-3	BASE	44.00	80.05	88.00	109282	0.00	1.26	7.4	7.3
100YR002HR PRE	BASIN-3	BASE	44.25	80.04	88.00	108514	0.00	1.26	7.4	7.3
100YR002HR PRE	BASIN-3	BASE	44.50	80.03	88.00	107744	0.00	1.25	7.4	7.3
100YR002HR PRE	BASIN-3	BASE	44.75	80.02	88.00	106974	0.00	1.24	7.4	7.3
100YR002HR PRE	BASIN-3	BASE	45.00	80.01	88.00	106206	0.00	1.23	7.4	7.4
100YR2HR BASIN-3 PRE	BASIN-3	BASE	45.25	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR002HR PRE	BASIN-3	BASE	45.50	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR002HR PRE	BASIN-3	BASE	45.75	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR002HR PRE	BASIN-3	BASE	46.00	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR002HR PRE	BASIN-3	BASE	46.25	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR002HR PRE	BASIN-3	BASE	46.50	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR002HR PRE	BASIN-3	BASE	46.75	80.00	88.00	105790	0.00	0.00	7.4	7.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-4	BASE	39.75	81.25	87.00	12422	0.00	0.14	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	40.00	81.24	87.00	12227	0.00	0.14	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	40.25	81.23	87.00	12033	0.00	0.14	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	40.50	81.22	87.00	11838	0.00	0.14	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	40.75	81.21	87.00	11643	0.00	0.13	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	41.00	81.20	87.00	11449	0.00	0.13	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	41.25	81.19	87.00	11254	0.00	0.13	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	41.50	81.18	87.00	11059	0.00	0.13	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	41.75	81.17	87.00	10864	0.00	0.13	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	42.00	81.16	87.00	10670	0.00	0.12	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	42.25	81.15	87.00	10475	0.00	0.12	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	42.50	81.14	87.00	10280	0.00	0.12	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	42.75	81.13	87.00	10086	0.00	0.12	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	43.00	81.12	87.00	9891	0.00	0.11	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	43.25	81.11	87.00	9696	0.00	0.11	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	43.50	81.10	87.00	9501	0.00	0.11	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	43.75	81.09	87.00	9307	0.00	0.11	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	44.00	81.08	87.00	9112	0.00	0.11	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	44.25	81.07	87.00	8917	0.00	0.10	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	44.50	81.06	87.00	8723	0.00	0.10	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	44.75	81.05	87.00	8528	0.00	0.10	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	45.00	81.04	87.00	8333	0.00	0.10	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	45.25	81.03	87.00	8138	0.00	0.09	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	45.50	81.01	87.00	7944	0.00	0.09	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	45.75	81.00	87.00	7749	0.00	0.09	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	46.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	46.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	46.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	46.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	47.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	47.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	47.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	47.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	48.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	48.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	48.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	48.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	49.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	49.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	49.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	49.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	50.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	50.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	50.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	50.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	51.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	51.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	51.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	51.75	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	52.00	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	52.25	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	52.50	81.00	87.00	7667	0.00	0.00	1.2	1.2
100YR002HR PRE	BASIN-4	BASE	52.75	81.00	87.00	7667	0.00	0.00	1.2	1.2

100YR2HR BASIN-4 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-5	BASE	59.00	85.31	89.00	40194	0.00	0.47	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	59.25	85.30	89.00	39815	0.00	0.46	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	59.50	85.29	89.00	39435	0.00	0.46	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	59.75	85.28	89.00	39056	0.00	0.45	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	60.00	85.26	89.00	38676	0.00	0.45	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	60.25	85.25	89.00	38297	0.00	0.44	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	60.50	85.24	89.00	37917	0.00	0.44	7.0	6.8
100YR002HR PRE	BASIN-5	BASE	60.75	85.23	89.00	37538	0.00	0.43	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	61.00	85.22	89.00	37159	0.00	0.43	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	61.25	85.21	89.00	36779	0.00	0.43	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	61.50	85.20	89.00	36400	0.00	0.42	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	61.75	85.19	89.00	36020	0.00	0.42	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	62.00	85.18	89.00	35641	0.00	0.41	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	62.25	85.17	89.00	35262	0.00	0.41	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	62.50	85.16	89.00	34882	0.00	0.40	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	62.75	85.15	89.00	34503	0.00	0.40	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	63.00	85.14	89.00	34123	0.00	0.39	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	63.25	85.13	89.00	33744	0.00	0.39	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	63.50	85.12	89.00	33364	0.00	0.39	7.0	6.9
100YR002HR PRE	BASIN-5	BASE	63.75	85.11	89.00	32985	0.00	0.38	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	64.00	85.10	89.00	32606	0.00	0.38	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	64.25	85.09	89.00	32226	0.00	0.37	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	64.50	85.08	89.00	31846	0.00	0.37	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	64.75	85.07	89.00	31468	0.00	0.36	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	65.00	85.06	89.00	31088	0.00	0.36	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	65.25	85.05	89.00	30708	0.00	0.36	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	65.50	85.04	89.00	30329	0.00	0.35	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	65.75	85.03	89.00	29950	0.00	0.35	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	66.00	85.01	89.00	29570	0.00	0.34	7.0	7.0
100YR2HR BASIN-5 PRE	BASIN-5	BASE	66.25	85.00	89.00	29190	0.00	0.34	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	66.50	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	66.75	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	67.00	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	67.25	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	67.50	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	67.75	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	68.00	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	68.25	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	68.50	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	68.75	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	69.00	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	69.25	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	69.50	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	69.75	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	70.00	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	70.25	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	70.50	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	70.75	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	71.00	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	71.25	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	71.50	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	71.75	85.00	89.00	29028	0.00	0.00	7.0	7.0
100YR002HR PRE	BASIN-5	BASE	72.00	85.00	89.00	29028	0.00	0.00	7.0	7.0

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-6	BASE	51.75	82.14	87.00	18116	0.00	0.21	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	52.00	82.13	87.00	17879	0.00	0.21	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	52.25	82.12	87.00	17643	0.00	0.20	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	52.50	82.10	87.00	17407	0.00	0.20	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	52.75	82.09	87.00	17171	0.00	0.20	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	53.00	82.08	87.00	16934	0.00	0.20	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	53.25	82.07	87.00	16698	0.00	0.19	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	53.50	82.06	87.00	16462	0.00	0.19	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	53.75	82.05	87.00	16226	0.00	0.19	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	54.00	82.04	87.00	15990	0.00	0.19	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	54.25	82.03	87.00	15753	0.00	0.18	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	54.50	82.02	87.00	15517	0.00	0.18	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	54.75	82.01	87.00	15281	0.00	0.18	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	55.00	82.00	87.00	15045	0.00	0.17	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	55.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	55.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	55.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	56.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	56.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	56.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	56.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	57.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	57.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	57.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	57.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	58.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	58.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	58.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	58.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	59.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	59.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	59.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	59.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	60.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	60.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	60.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	60.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	61.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	61.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	61.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	61.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	62.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	62.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	62.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	62.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	63.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	63.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	63.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	63.75	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	64.00	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	64.25	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	64.50	82.00	87.00	15028	0.00	0.00	2.2	2.2
100YR002HR PRE	BASIN-6	BASE	64.75	82.00	87.00	15028	0.00	0.00	2.2	2.2

100YR2HR BASIN-6 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-7	BASE	31.25	75.45	80.00	48609	0.00	0.56	3.0	2.6
100YR002HR PRE	BASIN-7	BASE	31.50	75.44	80.00	47858	0.00	0.55	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	31.75	75.43	80.00	47109	0.00	0.55	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	32.00	75.42	80.00	46358	0.00	0.54	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	32.25	75.41	80.00	45607	0.00	0.53	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	32.50	75.39	80.00	44856	0.00	0.52	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	32.75	75.38	80.00	44107	0.00	0.51	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	33.00	75.37	80.00	43356	0.00	0.50	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	33.25	75.36	80.00	42605	0.00	0.49	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	33.50	75.35	80.00	41856	0.00	0.48	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	33.75	75.34	80.00	41105	0.00	0.48	3.0	2.7
100YR002HR PRE	BASIN-7	BASE	34.00	75.33	80.00	40354	0.00	0.47	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	34.25	75.32	80.00	39605	0.00	0.46	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	34.50	75.31	80.00	38854	0.00	0.45	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	34.75	75.30	80.00	38103	0.00	0.44	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	35.00	75.29	80.00	37352	0.00	0.43	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	35.25	75.28	80.00	36603	0.00	0.42	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	35.50	75.27	80.00	35852	0.00	0.41	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	35.75	75.26	80.00	35101	0.00	0.41	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	36.00	75.25	80.00	34352	0.00	0.40	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	36.25	75.24	80.00	33601	0.00	0.39	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	36.50	75.23	80.00	32850	0.00	0.38	3.0	2.8
100YR002HR PRE	BASIN-7	BASE	36.75	75.22	80.00	32101	0.00	0.37	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	37.00	75.21	80.00	31350	0.00	0.36	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	37.25	75.20	80.00	30600	0.00	0.35	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	37.50	75.19	80.00	29850	0.00	0.35	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	37.75	75.18	80.00	29099	0.00	0.34	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	38.00	75.17	80.00	28349	0.00	0.33	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	38.25	75.16	80.00	27598	0.00	0.32	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	38.50	75.14	80.00	26848	0.00	0.31	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	38.75	75.13	80.00	26098	0.00	0.30	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	39.00	75.12	80.00	25347	0.00	0.29	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	39.25	75.11	80.00	24597	0.00	0.28	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	39.50	75.10	80.00	23847	0.00	0.28	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	39.75	75.09	80.00	23096	0.00	0.27	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	40.00	75.08	80.00	22346	0.00	0.26	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	40.25	75.07	80.00	21596	0.00	0.25	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	40.50	75.06	80.00	20845	0.00	0.24	3.0	2.9
100YR002HR PRE	BASIN-7	BASE	40.75	75.05	80.00	20094	0.00	0.23	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	41.00	75.04	80.00	19345	0.00	0.22	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	41.25	75.03	80.00	18594	0.00	0.22	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	41.50	75.02	80.00	17843	0.00	0.21	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	41.75	75.01	80.00	17094	0.00	0.20	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	42.00	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	42.25	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	42.50	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	42.75	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	43.00	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	43.25	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	43.50	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	43.75	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	44.00	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	44.25	75.00	80.00	16431	0.00	0.00	3.0	3.0

100YR2HR BASIN-7 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-7	BASE	720.25	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	720.50	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	720.75	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	721.00	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	721.25	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	721.50	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	721.75	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	722.00	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-7	BASE	722.00	75.00	80.00	16431	0.00	0.00	3.0	3.0
100YR002HR PRE	BASIN-8	BASE	0.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
100YR002HR PRE	BASIN-8	BASE	0.25	86.00	87.00	26706	0.41	0.39	0.0	0.0
100YR002HR PRE	BASIN-8	BASE	0.50	86.01	87.00	26899	1.37	1.08	0.0	0.0
100YR002HR PRE	BASIN-8	BASE	0.75	86.02	87.00	27412	2.34	1.77	0.1	0.0
100YR002HR PRE	BASIN-8	BASE	1.00	86.04	87.00	28055	2.64	2.33	0.1	0.1
100YR002HR PRE	BASIN-8	BASE	1.25	86.04	87.00	27994	1.97	2.29	0.2	0.1
100YR002HR PRE	BASIN-8	BASE	1.50	86.02	87.00	27538	1.49	1.90	0.2	0.2
100YR002HR PRE	BASIN-8	BASE	1.75	86.01	87.00	27122	1.14	1.43	0.2	0.2
100YR002HR PRE	BASIN-8	BASE	2.00	86.00	87.00	26849	0.80	0.97	0.2	0.2
100YR002HR PRE	BASIN-8	BASE	2.25	86.00	87.00	26716	0.45	0.50	0.3	0.3
100YR002HR PRE	BASIN-8	BASE	2.50	86.00	87.00	26705	0.22	0.22	0.3	0.3
100YR002HR PRE	BASIN-8	BASE	2.75	86.00	87.00	26705	0.10	0.11	0.3	0.3
100YR002HR PRE	BASIN-8	BASE	3.00	86.00	87.00	26705	0.05	0.10	0.3	0.3
100YR002HR PRE	BASIN-8	BASE	3.25	86.00	87.00	115	0.02	-0.60	0.3	0.3
100YR002HR PRE	BASIN-8	BASE	3.50	86.00	87.00	115	0.00	-0.61	0.3	0.3
100YR002HR PRE	BASIN-8	BASE	3.75	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	4.00	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	4.25	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	4.50	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	4.75	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	5.00	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	5.25	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	5.50	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR002HR PRE	BASIN-8	BASE	5.75	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	6.00	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	6.25	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	6.50	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	6.75	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	7.00	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	7.25	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR002HR PRE	BASIN-8	BASE	7.50	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR002HR PRE	BASIN-8	BASE	7.75	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR002HR PRE	BASIN-8	BASE	8.00	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR002HR PRE	BASIN-8	BASE	8.25	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR002HR PRE	BASIN-8	BASE	8.50	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR002HR PRE	BASIN-8	BASE	8.75	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR002HR PRE	BASIN-8	BASE	9.00	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR002HR PRE	BASIN-8	BASE	9.25	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR002HR PRE	BASIN-8	BASE	9.50	86.00	87.00	115	0.00	-0.62	0.3	-0.1
100YR002HR PRE	BASIN-8	BASE	9.75	86.00	87.00	115	0.00	-0.62	0.3	-0.1
100YR002HR PRE	BASIN-8	BASE	10.00	86.00	87.00	115	0.00	-0.62	0.3	-0.1
100YR002HR PRE	BASIN-8	BASE	10.25	86.00	87.00	115	0.00	-0.62	0.3	-0.1
100YR002HR PRE	BASIN-8	BASE	10.50	86.00	87.00	115	0.00	-0.62	0.3	-0.1

100YR2HR BASIN-8 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR002HR PRE	BASIN-9	BASE	69.75	72.28	79.75	1887	0.00	0.02	1.1	1.0
100YR002HR PRE	BASIN-9	BASE	70.00	72.27	79.75	1849	0.00	0.02	1.1	1.0
100YR002HR PRE	BASIN-9	BASE	70.25	72.26	79.75	1812	0.00	0.02	1.1	1.0
100YR002HR PRE	BASIN-9	BASE	70.50	72.25	79.75	1774	0.00	0.02	1.1	1.0
100YR002HR PRE	BASIN-9	BASE	70.75	72.24	79.75	1736	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	71.00	72.23	79.75	1699	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	71.25	72.22	79.75	1661	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	71.50	72.21	79.75	1624	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	71.75	72.20	79.75	1586	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	72.00	72.19	79.75	1548	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	72.25	72.17	79.75	1511	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	72.50	72.16	79.75	1473	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	72.75	72.15	79.75	1435	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	73.00	72.14	79.75	1398	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	73.25	72.13	79.75	1360	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	73.50	72.12	79.75	1323	0.00	0.02	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	73.75	72.11	79.75	1285	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	74.00	72.10	79.75	1247	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	74.25	72.09	79.75	1210	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	74.50	72.08	79.75	1172	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	74.75	72.07	79.75	1135	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	75.00	72.06	79.75	1097	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	75.25	72.05	79.75	1059	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	75.50	72.04	79.75	1022	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	75.75	72.03	79.75	984	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	76.00	72.02	79.75	946	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	76.25	72.01	79.75	909	0.00	0.01	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	76.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	76.75	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	77.00	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	77.25	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	77.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	77.75	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	78.00	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	78.25	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	78.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	78.75	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	79.00	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	79.25	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	79.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	79.75	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	80.00	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	80.25	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	80.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	80.75	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	81.00	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	81.25	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	81.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	81.75	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	82.00	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	82.25	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	82.50	72.00	79.75	880	0.00	0.00	1.1	1.1
100YR002HR PRE	BASIN-9	BASE	82.75	72.00	79.75	880	0.00	0.00	1.1	1.1

100YR2HR BASIN-9 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-1	BASE	20.83	84.09	86.00	5723	0.00	0.07	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	20.92	84.09	86.00	5689	0.00	0.07	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.00	84.08	86.00	5655	0.00	0.07	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.08	84.08	86.00	5620	0.00	0.07	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.17	84.08	86.00	5586	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.25	84.07	86.00	5552	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.33	84.07	86.00	5518	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.42	84.07	86.00	5484	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.50	84.06	86.00	5449	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.58	84.06	86.00	5415	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.67	84.06	86.00	5381	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.75	84.05	86.00	5347	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.83	84.05	86.00	5313	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	21.92	84.05	86.00	5279	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.00	84.04	86.00	5245	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.08	84.04	86.00	5210	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.17	84.04	86.00	5176	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.25	84.03	86.00	5142	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.33	84.03	86.00	5108	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.42	84.02	86.00	5074	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.50	84.02	86.00	5039	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.58	84.02	86.00	5005	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.67	84.01	86.00	4971	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.75	84.01	86.00	4937	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	22.83	84.01	86.00	4903	0.00	0.06	0.2	0.2
100YR4HR BASIN-1 PRE	BASIN-1	BASE	22.92	84.00	86.00	4869	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.00	84.00	86.00	4835	0.00	0.06	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	23.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.00	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	24.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	25.00	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	25.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-1	BASE	25.17	84.00	86.00	4831	0.00	0.00	0.2	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-10	BASE	69.58	72.09	79.00	12819	0.00	0.15	4.2	4.1
100YR004HR PRE	BASIN-10	BASE	69.67	72.09	79.00	12728	0.00	0.15	4.2	4.1
100YR004HR PRE	BASIN-10	BASE	69.75	72.08	79.00	12636	0.00	0.15	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	69.83	72.08	79.00	12544	0.00	0.15	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	69.92	72.08	79.00	12452	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.00	72.07	79.00	12360	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.08	72.07	79.00	12268	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.17	72.07	79.00	12176	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.25	72.06	79.00	12084	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.33	72.06	79.00	11992	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.42	72.06	79.00	11901	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.50	72.05	79.00	11809	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.58	72.05	79.00	11717	0.00	0.14	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.67	72.05	79.00	11625	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.75	72.04	79.00	11533	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.83	72.04	79.00	11442	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	70.92	72.04	79.00	11350	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.00	72.03	79.00	11258	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.08	72.03	79.00	11166	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.17	72.03	79.00	11074	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.25	72.02	79.00	10982	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.33	72.02	79.00	10891	0.00	0.13	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.42	72.01	79.00	10799	0.00	0.12	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.50	72.01	79.00	10707	0.00	0.12	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.58	72.01	79.00	10615	0.00	0.12	4.2	4.2
100YR4HR BASIN-10 PRE	BASIN-10	BASE	71.67	72.00	79.00	10523	0.00	0.12	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.75	72.00	79.00	10431	0.00	0.12	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.83	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	71.92	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.00	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.08	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.17	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.25	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.33	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.42	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.50	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.58	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.67	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.75	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.83	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	72.92	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.00	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.08	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.17	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.25	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.33	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.42	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.50	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.58	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.67	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.75	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.83	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR004HR PRE	BASIN-10	BASE	73.92	72.00	79.00	10411	0.00	0.00	4.2	4.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-11	BASE	3.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	3.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	3.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	3.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	3.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	3.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.09	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.51	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.59	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.76	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	4.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	5.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	6.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-11	BASE	7.83	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR4HR BASIN-11 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-12	BASE	21.33	82.15	84.00	25548	0.00	0.30	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.42	82.14	84.00	25300	0.00	0.29	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.50	82.14	84.00	25052	0.00	0.29	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.58	82.14	84.00	24804	0.00	0.29	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.67	82.13	84.00	24556	0.00	0.28	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.75	82.13	84.00	24308	0.00	0.28	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.83	82.13	84.00	24061	0.00	0.28	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	21.92	82.12	84.00	23813	0.00	0.28	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	22.00	82.12	84.00	23565	0.00	0.27	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	22.08	82.12	84.00	23317	0.00	0.27	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	22.17	82.11	84.00	23069	0.00	0.27	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	22.25	82.11	84.00	22821	0.00	0.26	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	22.33	82.11	84.00	22572	0.00	0.26	1.1	1.0
100YR004HR PRE	BASIN-12	BASE	22.42	82.10	84.00	22324	0.00	0.26	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	22.50	82.10	84.00	22076	0.00	0.26	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	22.58	82.09	84.00	21828	0.00	0.25	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	22.67	82.09	84.00	21581	0.00	0.25	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	22.75	82.09	84.00	21333	0.00	0.25	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	22.83	82.08	84.00	21085	0.00	0.24	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	22.92	82.08	84.00	20837	0.00	0.24	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.00	82.08	84.00	20589	0.00	0.24	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.08	82.07	84.00	20341	0.00	0.24	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.17	82.07	84.00	20093	0.00	0.23	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.25	82.07	84.00	19845	0.00	0.23	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.33	82.06	84.00	19597	0.00	0.23	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.42	82.06	84.00	19349	0.00	0.22	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.50	82.06	84.00	19102	0.00	0.22	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.58	82.05	84.00	18854	0.00	0.22	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.67	82.05	84.00	18606	0.00	0.22	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.75	82.05	84.00	18358	0.00	0.21	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.83	82.04	84.00	18109	0.00	0.21	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	23.92	82.04	84.00	17861	0.00	0.21	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.00	82.04	84.00	17613	0.00	0.20	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.08	82.03	84.00	17365	0.00	0.20	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.17	82.03	84.00	17117	0.00	0.20	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.25	82.03	84.00	16869	0.00	0.20	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.33	82.02	84.00	16622	0.00	0.19	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.42	82.02	84.00	16374	0.00	0.19	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.50	82.02	84.00	16126	0.00	0.19	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.58	82.01	84.00	15878	0.00	0.18	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.67	82.01	84.00	15630	0.00	0.18	1.1	1.1
100YR4HR BASIN-12 PRE	BASIN-12	BASE	24.75	82.00	84.00	15382	0.00	0.18	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.83	82.00	84.00	15134	0.00	0.18	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	24.92	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.00	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.08	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.17	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.25	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.33	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.42	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.50	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.58	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR004HR PRE	BASIN-12	BASE	25.67	82.00	84.00	15050	0.00	0.00	1.1	1.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-13	BASE	61.25	80.10	89.00	669	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.33	80.10	89.00	667	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.42	80.09	89.00	666	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.50	80.09	89.00	665	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.58	80.09	89.00	663	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.67	80.08	89.00	662	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.75	80.08	89.00	660	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.83	80.08	89.00	659	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	61.92	80.07	89.00	657	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.00	80.07	89.00	656	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.08	80.07	89.00	655	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.17	80.06	89.00	653	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.25	80.06	89.00	652	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.33	80.06	89.00	650	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.42	80.05	89.00	649	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.50	80.05	89.00	647	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.58	80.04	89.00	646	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.67	80.04	89.00	644	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.75	80.04	89.00	643	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.83	80.03	89.00	642	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	62.92	80.03	89.00	640	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.00	80.03	89.00	639	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.08	80.02	89.00	637	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.17	80.02	89.00	636	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.25	80.02	89.00	634	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.33	80.01	89.00	633	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.42	80.01	89.00	632	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.50	80.01	89.00	630	0.00	0.01	0.1	0.1
100YR4HR BASIN-13 PRE	BASIN-13	BASE	63.58	80.00	89.00	629	0.00	0.01	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	63.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.08	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.58	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	64.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.08	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR004HR PRE	BASIN-13	BASE	65.58	80.00	89.00	627	0.00	0.00	0.1	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-14	BASE	65.83	75.11	84.00	276	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	65.92	75.11	84.00	271	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.00	75.10	84.00	266	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.08	75.10	84.00	260	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.17	75.10	84.00	255	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.25	75.09	84.00	250	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.33	75.09	84.00	245	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.42	75.09	84.00	239	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.50	75.08	84.00	234	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.58	75.08	84.00	229	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.67	75.07	84.00	223	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.75	75.07	84.00	218	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.83	75.07	84.00	213	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	66.92	75.06	84.00	207	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.00	75.06	84.00	202	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.08	75.06	84.00	197	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.17	75.05	84.00	191	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.25	75.05	84.00	186	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.33	75.05	84.00	181	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.42	75.04	84.00	176	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.50	75.04	84.00	170	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.58	75.04	84.00	165	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.67	75.03	84.00	160	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.75	75.03	84.00	154	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.83	75.03	84.00	149	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	67.92	75.02	84.00	144	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.00	75.02	84.00	138	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.08	75.02	84.00	133	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.17	75.01	84.00	128	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.25	75.01	84.00	122	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.33	75.01	84.00	117	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	68.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	69.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	70.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	70.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	70.17	75.00	84.00	113	0.00	0.00	0.2	0.2

100YR4HR BASIN-14 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-14	BASE	723.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-14	BASE	724.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR004HR PRE	BASIN-15	BASE	0.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.33	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.58	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.67	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.75	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.83	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	0.92	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.00	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.08	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.17	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.25	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.33	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.42	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.50	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.58	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.67	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.75	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.83	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	1.92	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.00	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.08	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.17	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.25	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.33	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.42	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.50	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.58	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.67	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.75	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.83	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	2.92	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.00	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.08	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.17	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.25	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.33	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.42	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.50	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.58	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.67	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.75	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.83	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	3.92	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR BASIN-15 PRE	BASIN-15	BASE	4.00	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR004HR PRE	BASIN-15	BASE	4.09	83.00	84.75	29686	0.00	0.00	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-2	BASE	713.50	46.05	84.25	2115	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	713.75	46.05	84.25	2115	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	714.00	46.05	84.25	2115	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	714.25	46.05	84.25	2115	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	714.50	46.05	84.25	2115	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	714.75	46.05	84.25	2115	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	715.00	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	715.25	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	715.50	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	715.75	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	716.00	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	716.25	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	716.50	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	716.75	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	717.00	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	717.25	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	717.50	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	717.75	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	718.00	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	718.25	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	718.50	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	718.75	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	719.00	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	719.25	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	719.50	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	719.75	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	720.00	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	720.25	46.05	84.25	2114	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	720.50	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	720.75	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	721.00	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	721.25	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	721.50	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	721.75	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	722.00	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	722.25	46.05	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	722.50	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	722.75	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	723.00	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	723.25	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	723.50	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	723.75	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	724.00	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-2	BASE	724.00	46.04	84.25	2113	0.00	0.00	1.0	0.8
100YR004HR PRE	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.08	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.17	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.25	80.00	88.00	105790	0.06	0.06	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.33	80.00	88.00	105790	0.31	0.31	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.42	80.00	88.00	105791	0.86	0.86	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.50	80.00	88.00	105816	1.66	1.22	0.0	0.0
100YR004HR PRE	BASIN-3	BASE	0.58	80.00	88.00	106011	2.65	1.23	0.0	0.0

100YR4HR BASIN-2 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-3	BASE	48.67	80.09	88.00	112551	0.00	1.30	8.6	8.3
100YR004HR PRE	BASIN-3	BASE	48.75	80.09	88.00	112294	0.00	1.30	8.6	8.3
100YR004HR PRE	BASIN-3	BASE	48.83	80.08	88.00	112038	0.00	1.30	8.6	8.3
100YR004HR PRE	BASIN-3	BASE	48.92	80.08	88.00	111781	0.00	1.29	8.6	8.3
100YR004HR PRE	BASIN-3	BASE	49.00	80.08	88.00	111525	0.00	1.29	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.08	80.07	88.00	111270	0.00	1.29	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.17	80.07	88.00	111013	0.00	1.28	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.25	80.07	88.00	110756	0.00	1.28	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.33	80.06	88.00	110500	0.00	1.28	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.42	80.06	88.00	110243	0.00	1.28	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.50	80.06	88.00	109987	0.00	1.27	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.58	80.05	88.00	109730	0.00	1.27	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.67	80.05	88.00	109474	0.00	1.27	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.75	80.05	88.00	109217	0.00	1.26	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.83	80.04	88.00	108962	0.00	1.26	8.6	8.4
100YR004HR PRE	BASIN-3	BASE	49.92	80.04	88.00	108705	0.00	1.26	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.00	80.04	88.00	108449	0.00	1.26	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.08	80.03	88.00	108192	0.00	1.25	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.17	80.03	88.00	107935	0.00	1.25	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.25	80.03	88.00	107679	0.00	1.25	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.33	80.02	88.00	107422	0.00	1.24	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.42	80.02	88.00	107166	0.00	1.24	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.50	80.02	88.00	106909	0.00	1.24	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.58	80.01	88.00	106653	0.00	1.23	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.67	80.01	88.00	106397	0.00	1.23	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.75	80.00	88.00	106141	0.00	1.23	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.83	80.00	88.00	105884	0.00	1.23	8.6	8.5
100YR004HR PRE	BASIN-3	BASE	50.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.00	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.08	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.17	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.25	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.33	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.42	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.50	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.58	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.67	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.75	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.83	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	51.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.00	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.08	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.17	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.25	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.33	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.42	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.50	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.58	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.67	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.75	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.83	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	52.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR004HR PRE	BASIN-3	BASE	53.00	80.00	88.00	105790	0.00	0.00	8.6	8.6

100YR4HR BASIN-3 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-4	BASE	44.42	81.12	87.00	9907	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	44.50	81.12	87.00	9842	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	44.58	81.11	87.00	9777	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	44.67	81.11	87.00	9712	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	44.75	81.11	87.00	9647	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	44.83	81.10	87.00	9583	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	44.92	81.10	87.00	9518	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.00	81.10	87.00	9453	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.08	81.09	87.00	9388	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.17	81.09	87.00	9323	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.25	81.09	87.00	9258	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.33	81.08	87.00	9193	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.42	81.08	87.00	9128	0.00	0.11	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.50	81.07	87.00	9063	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.58	81.07	87.00	8998	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.67	81.07	87.00	8933	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.75	81.06	87.00	8869	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.83	81.06	87.00	8804	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	45.92	81.06	87.00	8739	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.00	81.05	87.00	8674	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.08	81.05	87.00	8609	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.17	81.05	87.00	8544	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.25	81.04	87.00	8479	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.33	81.04	87.00	8414	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.42	81.04	87.00	8349	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.50	81.03	87.00	8284	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.58	81.03	87.00	8220	0.00	0.10	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.67	81.03	87.00	8155	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.75	81.02	87.00	8090	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.83	81.02	87.00	8025	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	46.92	81.02	87.00	7960	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	47.00	81.01	87.00	7895	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	47.08	81.01	87.00	7830	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	47.17	81.01	87.00	7765	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	47.25	81.00	87.00	7700	0.00	0.09	1.3	1.2
100YR004HR PRE	BASIN-4	BASE	47.33	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.42	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.50	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.58	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.67	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.75	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.83	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	47.92	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.00	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.08	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.17	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.25	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.33	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.42	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.50	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.58	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.67	81.00	87.00	7667	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-4	BASE	48.75	81.00	87.00	7667	0.00	0.00	1.3	1.3

100YR4HR BASIN-4 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-5	BASE	71.08	85.12	89.00	33534	0.00	0.39	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.17	85.12	89.00	33407	0.00	0.39	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.25	85.12	89.00	33281	0.00	0.39	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.33	85.11	89.00	33155	0.00	0.38	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.42	85.11	89.00	33028	0.00	0.38	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.50	85.11	89.00	32902	0.00	0.38	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.58	85.10	89.00	32775	0.00	0.38	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.67	85.10	89.00	32649	0.00	0.38	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.75	85.10	89.00	32522	0.00	0.38	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.83	85.09	89.00	32396	0.00	0.37	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	71.92	85.09	89.00	32269	0.00	0.37	9.0	8.9
100YR004HR PRE	BASIN-5	BASE	72.00	85.09	89.00	32142	0.00	0.37	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.08	85.08	89.00	32016	0.00	0.37	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.17	85.08	89.00	31890	0.00	0.37	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.25	85.08	89.00	31763	0.00	0.37	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.33	85.07	89.00	31637	0.00	0.37	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.42	85.07	89.00	31510	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.50	85.06	89.00	31384	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.58	85.06	89.00	31257	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.67	85.06	89.00	31131	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.75	85.05	89.00	31004	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.83	85.05	89.00	30878	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	72.92	85.05	89.00	30752	0.00	0.36	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.00	85.04	89.00	30625	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.08	85.04	89.00	30499	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.17	85.04	89.00	30372	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.25	85.03	89.00	30246	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.33	85.03	89.00	30119	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.42	85.03	89.00	29993	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.50	85.02	89.00	29866	0.00	0.35	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.58	85.02	89.00	29739	0.00	0.34	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.67	85.02	89.00	29613	0.00	0.34	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.75	85.01	89.00	29487	0.00	0.34	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.83	85.01	89.00	29361	0.00	0.34	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	73.92	85.01	89.00	29234	0.00	0.34	9.0	9.0
100YR4HR BASIN-5 PRE	BASIN-5	BASE	74.00	85.00	89.00	29107	0.00	0.34	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.08	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.17	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.25	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.33	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.42	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.50	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.58	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.67	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.75	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.83	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	74.92	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	75.00	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	75.08	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	75.17	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	75.25	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	75.33	85.00	89.00	29028	0.00	0.00	9.0	9.0
100YR004HR PRE	BASIN-5	BASE	75.42	85.00	89.00	29028	0.00	0.00	9.0	9.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-6	BASE	62.42	82.02	87.00	15540	0.00	0.18	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	62.50	82.02	87.00	15461	0.00	0.18	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	62.58	82.02	87.00	15383	0.00	0.18	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	62.67	82.01	87.00	15304	0.00	0.18	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	62.75	82.01	87.00	15225	0.00	0.18	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	62.83	82.01	87.00	15146	0.00	0.18	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	62.92	82.00	87.00	15068	0.00	0.17	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.00	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.08	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.17	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.25	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.33	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.42	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.50	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.58	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.67	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.75	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.83	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	63.92	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.00	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.08	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.17	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.25	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.33	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.42	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.50	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.58	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.67	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.75	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.83	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	64.92	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.00	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.08	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.17	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.25	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.33	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.42	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.50	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.58	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.67	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.75	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.83	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	65.92	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.00	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.08	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.17	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.25	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.33	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.42	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.50	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.58	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.67	82.00	87.00	15028	0.00	0.00	2.8	2.8
100YR004HR PRE	BASIN-6	BASE	66.75	82.00	87.00	15028	0.00	0.00	2.8	2.8

100YR4HR BASIN-6 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-7	BASE	44.92	75.15	80.00	27237	0.00	0.32	3.7	3.6
100YR004HR PRE	BASIN-7	BASE	45.00	75.15	80.00	26986	0.00	0.31	3.7	3.6
100YR004HR PRE	BASIN-7	BASE	45.08	75.14	80.00	26736	0.00	0.31	3.7	3.6
100YR004HR PRE	BASIN-7	BASE	45.17	75.14	80.00	26486	0.00	0.31	3.7	3.6
100YR004HR PRE	BASIN-7	BASE	45.25	75.14	80.00	26235	0.00	0.30	3.7	3.6
100YR004HR PRE	BASIN-7	BASE	45.33	75.13	80.00	25985	0.00	0.30	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.42	75.13	80.00	25735	0.00	0.30	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.50	75.13	80.00	25485	0.00	0.29	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.58	75.12	80.00	25234	0.00	0.29	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.67	75.12	80.00	24984	0.00	0.29	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.75	75.12	80.00	24735	0.00	0.29	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.83	75.11	80.00	24485	0.00	0.28	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	45.92	75.11	80.00	24235	0.00	0.28	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.00	75.10	80.00	23985	0.00	0.28	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.08	75.10	80.00	23734	0.00	0.27	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.17	75.10	80.00	23484	0.00	0.27	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.25	75.09	80.00	23234	0.00	0.27	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.33	75.09	80.00	22983	0.00	0.27	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.42	75.09	80.00	22733	0.00	0.26	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.50	75.08	80.00	22483	0.00	0.26	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.58	75.08	80.00	22234	0.00	0.26	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.67	75.08	80.00	21984	0.00	0.25	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.75	75.07	80.00	21734	0.00	0.25	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.83	75.07	80.00	21483	0.00	0.25	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	46.92	75.07	80.00	21233	0.00	0.25	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.00	75.06	80.00	20983	0.00	0.24	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.08	75.06	80.00	20733	0.00	0.24	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.17	75.06	80.00	20482	0.00	0.24	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.25	75.05	80.00	20232	0.00	0.23	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.33	75.05	80.00	19982	0.00	0.23	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.42	75.05	80.00	19733	0.00	0.23	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.50	75.04	80.00	19483	0.00	0.23	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.58	75.04	80.00	19232	0.00	0.22	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.67	75.04	80.00	18982	0.00	0.22	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.75	75.03	80.00	18732	0.00	0.22	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.83	75.03	80.00	18482	0.00	0.21	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	47.92	75.02	80.00	18231	0.00	0.21	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.00	75.02	80.00	17981	0.00	0.21	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.08	75.02	80.00	17731	0.00	0.21	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.17	75.01	80.00	17480	0.00	0.20	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.25	75.01	80.00	17232	0.00	0.20	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.33	75.01	80.00	16981	0.00	0.20	3.7	3.7
100YR4HR BASIN-7 PRE	BASIN-7	BASE	48.42	75.00	80.00	16731	0.00	0.19	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.50	75.00	80.00	16481	0.00	0.19	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.58	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.67	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.75	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.83	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	48.92	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	49.00	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	49.08	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	49.17	75.00	80.00	16431	0.00	0.00	3.7	3.7
100YR004HR PRE	BASIN-7	BASE	49.25	75.00	80.00	16431	0.00	0.00	3.7	3.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-8	BASE	0.92	86.00	87.00	26715	0.53	0.49	0.0	-0.0
100YR004HR PRE	BASIN-8	BASE	1.00	86.00	87.00	26726	0.59	0.57	0.0	-0.0
100YR004HR PRE	BASIN-8	BASE	1.08	86.00	87.00	26737	0.65	0.62	0.0	-0.0
100YR004HR PRE	BASIN-8	BASE	1.17	86.00	87.00	26756	0.77	0.70	0.0	-0.0
100YR004HR PRE	BASIN-8	BASE	1.25	86.00	87.00	26788	0.90	0.81	0.0	-0.0
100YR004HR PRE	BASIN-8	BASE	1.33	86.00	87.00	26826	1.02	0.91	0.0	0.0
100YR004HR PRE	BASIN-8	BASE	1.42	86.00	87.00	26867	1.11	1.01	0.0	0.0
100YR004HR PRE	BASIN-8	BASE	1.50	86.01	87.00	26905	1.18	1.09	0.1	0.0
100YR004HR PRE	BASIN-8	BASE	1.58	86.01	87.00	26944	1.26	1.16	0.1	0.0
100YR004HR PRE	BASIN-8	BASE	1.67	86.01	87.00	26994	1.39	1.24	0.1	0.0
100YR004HR PRE	BASIN-8	BASE	1.75	86.01	87.00	27061	1.53	1.35	0.1	0.0
100YR004HR PRE	BASIN-8	BASE	1.83	86.01	87.00	27139	1.66	1.45	0.1	0.1
100YR004HR PRE	BASIN-8	BASE	1.92	86.01	87.00	27217	1.75	1.55	0.1	0.1
100YR004HR PRE	BASIN-8	BASE	2.00	86.02	87.00	27293	1.83	1.64	0.1	0.1
100YR004HR PRE	BASIN-8	BASE	2.08	86.02	87.00	27361	1.88	1.72	0.1	0.1
100YR004HR PRE	BASIN-8	BASE	2.17	86.02	87.00	27413	1.88	1.77	0.1	0.1
100YR004HR PRE	BASIN-8	BASE	2.25	86.02	87.00	27444	1.86	1.80	0.2	0.1
100YR004HR PRE	BASIN-8	BASE	2.33	86.02	87.00	27456	1.83	1.82	0.2	0.1
100YR004HR PRE	BASIN-8	BASE	2.42	86.02	87.00	27459	1.82	1.82	0.2	0.1
100YR004HR PRE	BASIN-8	BASE	2.50	86.02	87.00	27456	1.81	1.82	0.2	0.1
100YR004HR PRE	BASIN-8	BASE	2.58	86.02	87.00	27448	1.78	1.81	0.2	0.2
100YR004HR PRE	BASIN-8	BASE	2.67	86.02	87.00	27427	1.71	1.79	0.2	0.2
100YR004HR PRE	BASIN-8	BASE	2.75	86.02	87.00	27384	1.61	1.74	0.2	0.2
100YR004HR PRE	BASIN-8	BASE	2.83	86.02	87.00	27327	1.53	1.68	0.2	0.2
100YR004HR PRE	BASIN-8	BASE	2.92	86.02	87.00	27266	1.46	1.61	0.2	0.2
100YR004HR PRE	BASIN-8	BASE	3.00	86.01	87.00	27209	1.41	1.54	0.3	0.2
100YR004HR PRE	BASIN-8	BASE	3.08	86.01	87.00	27154	1.34	1.47	0.3	0.2
100YR004HR PRE	BASIN-8	BASE	3.17	86.01	87.00	27091	1.21	1.39	0.3	0.2
100YR004HR PRE	BASIN-8	BASE	3.25	86.01	87.00	27013	1.06	1.27	0.3	0.2
100YR004HR PRE	BASIN-8	BASE	3.33	86.01	87.00	26930	0.93	1.13	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.42	86.00	87.00	26859	0.83	0.99	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.50	86.00	87.00	26806	0.75	0.86	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.58	86.00	87.00	26770	0.68	0.75	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.67	86.00	87.00	26744	0.60	0.65	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.75	86.00	87.00	26724	0.51	0.55	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.83	86.00	87.00	26712	0.44	0.47	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	3.92	86.00	87.00	26707	0.39	0.40	0.3	0.3
100YR4HR BASIN-8 PRE	BASIN-8	BASE	4.00	86.00	87.00	26706	0.34	0.34	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.09	86.00	87.00	26706	0.30	0.30	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.17	86.00	87.00	26706	0.25	0.25	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.25	86.00	87.00	26706	0.20	0.20	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.33	86.00	87.00	26705	0.16	0.16	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.42	86.00	87.00	26705	0.12	0.12	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.51	86.00	87.00	26705	0.10	0.10	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.59	86.00	87.00	26705	0.07	0.07	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.67	86.00	87.00	26704	0.06	0.06	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.76	86.00	87.00	26705	0.04	0.10	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.83	86.00	87.00	115	0.04	-0.34	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	4.92	86.00	87.00	115	0.03	-0.57	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	5.00	86.00	87.00	115	0.02	-0.60	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	5.08	86.00	87.00	115	0.02	-0.61	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	5.17	86.00	87.00	115	0.01	-0.61	0.3	0.3
100YR004HR PRE	BASIN-8	BASE	5.25	86.00	87.00	115	0.01	-0.61	0.3	0.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR004HR PRE	BASIN-9	BASE	80.58	72.11	79.75	1274	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	80.67	72.11	79.75	1262	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	80.75	72.10	79.75	1249	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	80.83	72.10	79.75	1237	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	80.92	72.10	79.75	1224	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.00	72.09	79.75	1211	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.08	72.09	79.75	1199	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.17	72.08	79.75	1186	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.25	72.08	79.75	1174	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.33	72.08	79.75	1161	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.42	72.07	79.75	1149	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.50	72.07	79.75	1136	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.58	72.07	79.75	1124	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.67	72.06	79.75	1111	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.75	72.06	79.75	1099	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.83	72.06	79.75	1086	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	81.92	72.05	79.75	1073	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.00	72.05	79.75	1061	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.08	72.05	79.75	1048	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.17	72.04	79.75	1036	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.25	72.04	79.75	1023	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.33	72.04	79.75	1011	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.42	72.03	79.75	998	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.50	72.03	79.75	986	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.58	72.03	79.75	973	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.67	72.02	79.75	961	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.75	72.02	79.75	948	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.83	72.02	79.75	936	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	82.92	72.01	79.75	923	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.00	72.01	79.75	911	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.08	72.01	79.75	898	0.00	0.01	1.3	1.3
100YR4HR BASIN-9 PRE	BASIN-9	BASE	83.17	72.00	79.75	885	0.00	0.01	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.25	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.33	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.42	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.50	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.58	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.67	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.75	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.83	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	83.92	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.00	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.08	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.17	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.25	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.33	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.42	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.50	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.58	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.67	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.75	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.83	72.00	79.75	880	0.00	0.00	1.3	1.3
100YR004HR PRE	BASIN-9	BASE	84.92	72.00	79.75	880	0.00	0.00	1.3	1.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-1	BASE	23.33	84.16	86.00	6371	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.42	84.15	86.00	6337	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.50	84.15	86.00	6303	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.58	84.15	86.00	6269	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.67	84.14	86.00	6235	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.75	84.14	86.00	6200	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.83	84.14	86.00	6166	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	23.92	84.13	86.00	6132	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.00	84.13	86.00	6098	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.08	84.13	86.00	6064	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.17	84.12	86.00	6030	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.25	84.12	86.00	5995	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.33	84.11	86.00	5961	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.42	84.11	86.00	5927	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.50	84.11	86.00	5893	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.58	84.10	86.00	5859	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.67	84.10	86.00	5824	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.75	84.10	86.00	5790	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.83	84.09	86.00	5756	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	24.92	84.09	86.00	5722	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.00	84.09	86.00	5688	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.08	84.08	86.00	5654	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.17	84.08	86.00	5620	0.00	0.07	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.25	84.08	86.00	5585	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.33	84.07	86.00	5551	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.42	84.07	86.00	5517	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.50	84.07	86.00	5483	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.58	84.06	86.00	5449	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.67	84.06	86.00	5414	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.75	84.06	86.00	5380	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.83	84.05	86.00	5346	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	25.92	84.05	86.00	5312	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.00	84.05	86.00	5278	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.08	84.04	86.00	5244	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.17	84.04	86.00	5209	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.25	84.04	86.00	5175	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.33	84.03	86.00	5141	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.42	84.03	86.00	5107	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.50	84.02	86.00	5073	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.58	84.02	86.00	5039	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.67	84.02	86.00	5005	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.75	84.01	86.00	4970	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.83	84.01	86.00	4936	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	26.92	84.01	86.00	4902	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.00	84.00	86.00	4868	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.08	84.00	86.00	4834	0.00	0.06	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-1	BASE	27.67	84.00	86.00	4831	0.00	0.00	0.2	0.2

100YR8HR BASIN-1 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-10	BASE	75.17	72.13	79.00	13809	0.00	0.16	5.0	4.9
100YR008HR PRE	BASIN-10	BASE	75.25	72.12	79.00	13717	0.00	0.16	5.0	4.9
100YR008HR PRE	BASIN-10	BASE	75.33	72.12	79.00	13625	0.00	0.16	5.0	4.9
100YR008HR PRE	BASIN-10	BASE	75.42	72.12	79.00	13534	0.00	0.16	5.0	4.9
100YR008HR PRE	BASIN-10	BASE	75.50	72.11	79.00	13442	0.00	0.16	5.0	4.9
100YR008HR PRE	BASIN-10	BASE	75.58	72.11	79.00	13350	0.00	0.15	5.0	4.9
100YR008HR PRE	BASIN-10	BASE	75.67	72.11	79.00	13258	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	75.75	72.10	79.00	13166	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	75.83	72.10	79.00	13074	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	75.92	72.10	79.00	12982	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.00	72.09	79.00	12890	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.08	72.09	79.00	12798	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.17	72.09	79.00	12707	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.25	72.08	79.00	12615	0.00	0.15	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.33	72.08	79.00	12523	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.42	72.08	79.00	12431	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.50	72.07	79.00	12339	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.58	72.07	79.00	12247	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.67	72.07	79.00	12155	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.75	72.06	79.00	12064	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.83	72.06	79.00	11972	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	76.92	72.06	79.00	11880	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.00	72.05	79.00	11788	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.08	72.05	79.00	11696	0.00	0.14	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.17	72.05	79.00	11605	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.25	72.04	79.00	11513	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.33	72.04	79.00	11421	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.42	72.03	79.00	11329	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.50	72.03	79.00	11237	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.58	72.03	79.00	11145	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.67	72.02	79.00	11053	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.75	72.02	79.00	10962	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.83	72.02	79.00	10870	0.00	0.13	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	77.92	72.01	79.00	10778	0.00	0.12	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.00	72.01	79.00	10686	0.00	0.12	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.08	72.01	79.00	10594	0.00	0.12	5.0	5.0
100YR8HR BASIN-10 PRE	BASIN-10	BASE	78.17	72.00	79.00	10502	0.00	0.12	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.25	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.33	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.42	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.50	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.58	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.67	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.75	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.83	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	78.92	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.00	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.08	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.17	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.25	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.33	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.42	72.00	79.00	10411	0.00	0.00	5.0	5.0
100YR008HR PRE	BASIN-10	BASE	79.50	72.00	79.00	10411	0.00	0.00	5.0	5.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-11	BASE	7.76	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	7.84	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	7.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.01	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.09	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.26	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.34	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.51	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.59	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	8.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	9.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	10.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	11.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	12.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-11	BASE	12.08	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR8HR BASIN-11 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-12	BASE	28.67	82.01	84.00	15605	0.00	0.18	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	28.75	82.00	84.00	15357	0.00	0.18	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	28.83	82.00	84.00	15109	0.00	0.17	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	28.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.67	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.75	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.83	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	29.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.67	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.75	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.83	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	30.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.67	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.75	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.83	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	31.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.67	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.75	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.83	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	32.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR008HR PRE	BASIN-12	BASE	33.00	82.00	84.00	15050	0.00	0.00	1.3	1.3

100YR8HR BASIN-12 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-13	BASE	71.67	80.06	89.00	653	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	71.75	80.06	89.00	651	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	71.83	80.05	89.00	650	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	71.92	80.05	89.00	649	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.00	80.05	89.00	647	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.08	80.04	89.00	646	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.17	80.04	89.00	644	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.25	80.04	89.00	643	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.33	80.03	89.00	641	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.42	80.03	89.00	640	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.50	80.03	89.00	638	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.58	80.02	89.00	637	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.67	80.02	89.00	636	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.75	80.02	89.00	634	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.83	80.01	89.00	633	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	72.92	80.01	89.00	631	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.00	80.01	89.00	630	0.00	0.01	0.1	0.1
100YR8HR BASIN-13 PRE	BASIN-13	BASE	73.08	80.00	89.00	628	0.00	0.01	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.58	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	73.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.08	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.58	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	74.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.08	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.58	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	75.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR008HR PRE	BASIN-13	BASE	76.00	80.00	89.00	627	0.00	0.00	0.1	0.1

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-14	BASE	74.92	75.01	84.00	130	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.00	75.01	84.00	125	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.08	75.01	84.00	120	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.17	75.00	84.00	114	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	75.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	76.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	77.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	78.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	79.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	79.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	79.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR008HR PRE	BASIN-14	BASE	79.25	75.00	84.00	113	0.00	0.00	0.2	0.2

100YR8HR BASIN-14 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-15	BASE	7.51	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	7.59	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	7.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	7.76	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	7.84	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	7.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR BASIN-15 PRE	BASIN-15	BASE	8.01	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.09	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.26	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.34	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.51	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.59	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.83	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	8.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.33	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.58	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.83	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	9.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.33	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.58	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.83	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	10.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.33	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.58	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR008HR PRE	BASIN-15	BASE	11.83	83.00	84.75	29686	0.00	0.00	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-2	BASE	715.75	46.29	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	716.00	46.29	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	716.25	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	716.50	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	716.75	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	717.00	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	717.25	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	717.50	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	717.75	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	718.00	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	718.25	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	718.50	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	718.75	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	719.00	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	719.25	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	719.50	46.28	84.25	2185	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	719.75	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	720.00	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	720.25	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	720.50	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	720.75	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	721.00	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	721.25	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	721.50	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	721.75	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	722.00	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	722.25	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	722.50	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	722.75	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	723.00	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	723.25	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	723.50	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	723.75	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	724.00	46.28	84.25	2184	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	724.25	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	724.50	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	724.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	725.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	725.25	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	725.50	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	725.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	726.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	726.25	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	726.50	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	726.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	727.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	727.25	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	727.50	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	727.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	728.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-2	BASE	728.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR008HR PRE	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0

100YR8HR BASIN-2 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-3	BASE	58.17	80.04	88.00	108494	0.00	1.26	10.3	10.2
100YR008HR PRE	BASIN-3	BASE	58.25	80.03	88.00	108238	0.00	1.25	10.3	10.2
100YR008HR PRE	BASIN-3	BASE	58.33	80.03	88.00	107981	0.00	1.25	10.3	10.2
100YR008HR PRE	BASIN-3	BASE	58.42	80.03	88.00	107725	0.00	1.25	10.3	10.2
100YR008HR PRE	BASIN-3	BASE	58.50	80.02	88.00	107468	0.00	1.24	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	58.58	80.02	88.00	107211	0.00	1.24	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	58.67	80.02	88.00	106955	0.00	1.24	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	58.75	80.01	88.00	106698	0.00	1.23	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	58.83	80.01	88.00	106443	0.00	1.23	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	58.92	80.01	88.00	106187	0.00	1.23	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.00	80.00	88.00	105930	0.00	1.23	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.08	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.17	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.25	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.33	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.42	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.50	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.58	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.67	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.75	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.83	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	59.92	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.00	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.08	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.17	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.25	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.33	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.42	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.50	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.58	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.67	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.75	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.83	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	60.92	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.00	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.08	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.17	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.25	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.33	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.42	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.50	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.58	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.67	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.75	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.83	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	61.92	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.00	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.08	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.17	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.25	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.33	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.42	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR008HR PRE	BASIN-3	BASE	62.50	80.00	88.00	105790	0.00	0.00	10.3	10.3

100YR8HR BASIN-3 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-4	BASE	52.58	81.04	87.00	8442	0.00	0.10	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	52.67	81.04	87.00	8377	0.00	0.10	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	52.75	81.03	87.00	8313	0.00	0.10	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	52.83	81.03	87.00	8248	0.00	0.10	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	52.92	81.03	87.00	8183	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.00	81.02	87.00	8118	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.08	81.02	87.00	8053	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.17	81.02	87.00	7988	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.25	81.01	87.00	7923	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.33	81.01	87.00	7858	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.42	81.01	87.00	7793	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.50	81.00	87.00	7728	0.00	0.09	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.58	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.67	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.75	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.83	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	53.92	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.00	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.08	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.17	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.25	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.33	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.42	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.50	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.58	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.67	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.75	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.83	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	54.92	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.00	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.08	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.17	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.25	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.33	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.42	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.50	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.58	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.67	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.75	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.83	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	55.92	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.00	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.08	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.17	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.25	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.33	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.42	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.50	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.58	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.67	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.75	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.83	81.00	87.00	7667	0.00	0.00	1.5	1.5
100YR008HR PRE	BASIN-4	BASE	56.92	81.00	87.00	7667	0.00	0.00	1.5	1.5

100YR8HR BASIN-4 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-5	BASE	82.33	85.01	89.00	29253	0.00	0.34	11.4	11.4
100YR8HR BASIN-5 PRE	BASIN-5	BASE	82.42	85.00	89.00	29127	0.00	0.34	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	82.50	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	82.58	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	82.67	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	82.75	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	82.83	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	82.92	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.00	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.08	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.17	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.25	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.33	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.42	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.50	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.58	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.67	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.75	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.83	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	83.92	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.00	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.08	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.17	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.25	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.33	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.42	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.50	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.58	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.67	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.75	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.83	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	84.92	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.00	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.08	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.17	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.25	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.33	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.42	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.50	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.58	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.67	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.75	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.83	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	85.92	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.00	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.08	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.17	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.25	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.33	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.42	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.50	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.58	85.00	89.00	29028	0.00	0.00	11.4	11.4
100YR008HR PRE	BASIN-5	BASE	86.67	85.00	89.00	29028	0.00	0.00	11.4	11.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-6	BASE	67.92	82.10	87.00	17397	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.00	82.10	87.00	17318	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.08	82.10	87.00	17239	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.17	82.09	87.00	17160	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.25	82.09	87.00	17081	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.33	82.09	87.00	17003	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.42	82.08	87.00	16924	0.00	0.20	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.50	82.08	87.00	16845	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.58	82.08	87.00	16766	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.67	82.07	87.00	16687	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.75	82.07	87.00	16609	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.83	82.07	87.00	16530	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	68.92	82.06	87.00	16452	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.00	82.06	87.00	16373	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.08	82.06	87.00	16294	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.17	82.05	87.00	16215	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.25	82.05	87.00	16136	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.33	82.05	87.00	16058	0.00	0.19	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.42	82.04	87.00	15979	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.50	82.04	87.00	15900	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.58	82.03	87.00	15822	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.67	82.03	87.00	15743	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.75	82.03	87.00	15664	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.83	82.02	87.00	15585	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	69.92	82.02	87.00	15507	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.00	82.02	87.00	15428	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.08	82.01	87.00	15349	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.17	82.01	87.00	15270	0.00	0.18	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.25	82.01	87.00	15191	0.00	0.18	3.3	3.3
100YR8HR BASIN-6 PRE	BASIN-6	BASE	70.33	82.00	87.00	15113	0.00	0.17	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.42	82.00	87.00	15034	0.00	0.17	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.50	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.58	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.67	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.75	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.83	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	70.92	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.00	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.08	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.17	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.25	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.33	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.42	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.50	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.58	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.67	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.75	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.83	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	71.92	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	72.00	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	72.08	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	72.17	82.00	87.00	15028	0.00	0.00	3.3	3.3
100YR008HR PRE	BASIN-6	BASE	72.25	82.00	87.00	15028	0.00	0.00	3.3	3.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-7	BASE	53.50	75.06	80.00	20653	0.00	0.24	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	53.58	75.06	80.00	20403	0.00	0.24	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	53.67	75.05	80.00	20153	0.00	0.23	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	53.75	75.05	80.00	19902	0.00	0.23	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	53.83	75.04	80.00	19654	0.00	0.23	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	53.92	75.04	80.00	19403	0.00	0.22	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.00	75.04	80.00	19153	0.00	0.22	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.08	75.03	80.00	18903	0.00	0.22	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.17	75.03	80.00	18653	0.00	0.22	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.25	75.03	80.00	18402	0.00	0.21	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.33	75.02	80.00	18152	0.00	0.21	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.42	75.02	80.00	17902	0.00	0.21	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.50	75.02	80.00	17651	0.00	0.20	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.58	75.01	80.00	17401	0.00	0.20	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.67	75.01	80.00	17152	0.00	0.20	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.75	75.01	80.00	16902	0.00	0.20	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.83	75.00	80.00	16652	0.00	0.19	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	54.92	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.00	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.08	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.17	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.25	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.33	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.42	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.50	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.58	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.67	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.75	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.83	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	55.92	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.00	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.08	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.17	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.25	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.33	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.42	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.50	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.58	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.67	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.75	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.83	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	56.92	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.00	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.08	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.17	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.25	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.33	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.42	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.50	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.58	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.67	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.75	75.00	80.00	16431	0.00	0.00	4.4	4.4
100YR008HR PRE	BASIN-7	BASE	57.83	75.00	80.00	16431	0.00	0.00	4.4	4.4

100YR8HR BASIN-7 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-8	BASE	3.75	86.02	87.00	27294	1.80	1.64	0.2	0.1
100YR008HR PRE	BASIN-8	BASE	3.83	86.02	87.00	27350	1.84	1.71	0.2	0.1
100YR008HR PRE	BASIN-8	BASE	3.92	86.02	87.00	27402	1.89	1.76	0.2	0.1
100YR008HR PRE	BASIN-8	BASE	4.00	86.02	87.00	27448	1.92	1.81	0.2	0.1
100YR008HR PRE	BASIN-8	BASE	4.08	86.02	87.00	27484	1.91	1.84	0.2	0.1
100YR008HR PRE	BASIN-8	BASE	4.17	86.02	87.00	27485	1.79	1.85	0.2	0.2
100YR008HR PRE	BASIN-8	BASE	4.25	86.02	87.00	27435	1.61	1.80	0.2	0.2
100YR008HR PRE	BASIN-8	BASE	4.33	86.02	87.00	27348	1.45	1.70	0.2	0.2
100YR008HR PRE	BASIN-8	BASE	4.42	86.02	87.00	27248	1.33	1.59	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	4.50	86.01	87.00	27151	1.24	1.47	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	4.58	86.01	87.00	27067	1.16	1.35	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	4.67	86.01	87.00	26999	1.10	1.25	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	4.75	86.01	87.00	26945	1.05	1.16	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	4.83	86.01	87.00	26906	1.00	1.09	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	4.92	86.00	87.00	26876	0.96	1.03	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	5.00	86.00	87.00	26853	0.93	0.98	0.3	0.2
100YR008HR PRE	BASIN-8	BASE	5.08	86.00	87.00	26832	0.88	0.93	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.17	86.00	87.00	26807	0.79	0.86	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.25	86.00	87.00	26775	0.69	0.77	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.33	86.00	87.00	26747	0.61	0.67	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.42	86.00	87.00	26728	0.54	0.58	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.50	86.00	87.00	26718	0.49	0.51	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.59	86.00	87.00	26712	0.45	0.46	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.67	86.00	87.00	26709	0.42	0.43	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.75	86.00	87.00	26707	0.39	0.40	0.3	0.3
100YR008HR PRE	BASIN-8	BASE	5.83	86.00	87.00	26706	0.38	0.38	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	5.92	86.00	87.00	26706	0.36	0.36	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.00	86.00	87.00	26706	0.35	0.35	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.08	86.00	87.00	26707	0.33	0.33	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.17	86.00	87.00	26706	0.32	0.32	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.25	86.00	87.00	26706	0.30	0.30	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.34	86.00	87.00	26706	0.29	0.29	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.42	86.00	87.00	26706	0.28	0.28	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.50	86.00	87.00	26706	0.27	0.27	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.59	86.00	87.00	26706	0.26	0.26	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.67	86.00	87.00	26706	0.26	0.26	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.75	86.00	87.00	26706	0.26	0.26	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.83	86.00	87.00	26706	0.25	0.25	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	6.92	86.00	87.00	26706	0.25	0.25	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.00	86.00	87.00	26707	0.25	0.26	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.09	86.00	87.00	26707	0.25	0.25	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.17	86.00	87.00	26706	0.23	0.23	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.25	86.00	87.00	26706	0.22	0.22	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.33	86.00	87.00	26706	0.20	0.20	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.42	86.00	87.00	26706	0.19	0.20	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.51	86.00	87.00	26706	0.18	0.18	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.59	86.00	87.00	26706	0.18	0.18	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.67	86.00	87.00	26706	0.17	0.17	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.76	86.00	87.00	26706	0.17	0.17	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.84	86.00	87.00	26706	0.16	0.16	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	7.92	86.00	87.00	26706	0.16	0.16	0.4	0.3
100YR8HR BASIN-8 PRE	BASIN-8	BASE	8.01	86.00	87.00	26706	0.16	0.16	0.4	0.3
100YR008HR PRE	BASIN-8	BASE	8.09	86.00	87.00	26706	0.15	0.15	0.4	0.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR008HR PRE	BASIN-9	BASE	86.50	72.13	79.75	1360	0.00	0.02	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	86.58	72.13	79.75	1348	0.00	0.02	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	86.67	72.13	79.75	1335	0.00	0.02	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	86.75	72.12	79.75	1322	0.00	0.02	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	86.83	72.12	79.75	1310	0.00	0.02	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	86.92	72.12	79.75	1297	0.00	0.02	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.00	72.11	79.75	1285	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.08	72.11	79.75	1272	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.17	72.11	79.75	1260	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.25	72.10	79.75	1247	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.33	72.10	79.75	1235	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.42	72.09	79.75	1222	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.50	72.09	79.75	1210	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.58	72.09	79.75	1197	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.67	72.08	79.75	1185	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.75	72.08	79.75	1172	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.83	72.08	79.75	1160	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	87.92	72.07	79.75	1147	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.00	72.07	79.75	1134	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.08	72.07	79.75	1122	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.17	72.06	79.75	1109	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.25	72.06	79.75	1097	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.33	72.06	79.75	1084	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.42	72.05	79.75	1072	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.50	72.05	79.75	1059	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.58	72.05	79.75	1047	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.67	72.04	79.75	1034	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.75	72.04	79.75	1022	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.83	72.04	79.75	1009	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	88.92	72.03	79.75	996	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.00	72.03	79.75	984	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.08	72.03	79.75	971	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.17	72.02	79.75	959	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.25	72.02	79.75	946	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.33	72.01	79.75	934	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.42	72.01	79.75	921	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.50	72.01	79.75	909	0.00	0.01	1.6	1.6
100YR8HR BASIN-9 PRE	BASIN-9	BASE	89.58	72.00	79.75	896	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.67	72.00	79.75	884	0.00	0.01	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.75	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.83	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	89.92	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.00	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.08	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.17	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.25	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.33	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.42	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.50	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.58	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.67	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.75	72.00	79.75	880	0.00	0.00	1.6	1.6
100YR008HR PRE	BASIN-9	BASE	90.83	72.00	79.75	880	0.00	0.00	1.6	1.6

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-1	BASE	54.42	84.04	86.00	5250	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	54.50	84.04	86.00	5216	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	54.58	84.04	86.00	5182	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	54.67	84.03	86.00	5147	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	54.75	84.03	86.00	5113	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	54.83	84.03	86.00	5079	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	54.92	84.02	86.00	5045	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.00	84.02	86.00	5011	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.08	84.01	86.00	4976	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.17	84.01	86.00	4942	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.25	84.01	86.00	4908	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.33	84.00	86.00	4874	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.42	84.00	86.00	4840	0.00	0.06	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.50	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.58	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.67	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.75	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.83	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	55.92	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.00	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.08	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.17	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.25	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.33	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.42	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.50	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.58	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.67	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.75	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.83	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	56.92	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.00	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.08	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.17	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.25	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.33	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.42	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.50	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.58	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.67	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.75	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.83	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	57.92	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.00	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.08	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.17	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.25	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.33	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.42	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.50	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.58	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.67	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR024HR PRE	BASIN-1	BASE	58.75	84.00	86.00	4831	0.00	0.00	0.6	0.6

100YR24HR BASIN-1 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-10	BASE	114.08	72.01	79.00	10604	0.00	0.12	10.8	10.8
100YR24HR BASIN-10 PRE	BASIN-10	BASE	114.17	72.00	79.00	10512	0.00	0.12	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.25	72.00	79.00	10421	0.00	0.12	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.33	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.42	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.50	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.58	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.67	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.75	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.83	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	114.92	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.00	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.08	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.17	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.25	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.33	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.42	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.50	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.58	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.67	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.75	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.83	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	115.92	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.00	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.08	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.17	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.25	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.33	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.42	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.50	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.58	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.67	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.75	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.83	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	116.92	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.00	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.08	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.17	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.25	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.33	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.42	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.50	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.58	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.67	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.75	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.83	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	117.92	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	118.00	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	118.08	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	118.17	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	118.25	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	118.33	72.00	79.00	10411	0.00	0.00	10.8	10.8
100YR024HR PRE	BASIN-10	BASE	118.42	72.00	79.00	10411	0.00	0.00	10.8	10.8

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-11	BASE	63.33	81.14	84.00	2962	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.42	81.14	84.00	2940	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.50	81.14	84.00	2918	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.58	81.13	84.00	2896	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.67	81.13	84.00	2875	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.75	81.13	84.00	2853	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.83	81.12	84.00	2831	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	63.92	81.12	84.00	2809	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.00	81.12	84.00	2787	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.08	81.11	84.00	2765	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.17	81.11	84.00	2743	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.25	81.11	84.00	2722	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.33	81.10	84.00	2700	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.42	81.10	84.00	2678	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.50	81.10	84.00	2656	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.58	81.09	84.00	2634	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.67	81.09	84.00	2612	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.75	81.08	84.00	2590	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.83	81.08	84.00	2569	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	64.92	81.08	84.00	2547	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.00	81.07	84.00	2525	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.08	81.07	84.00	2503	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.17	81.07	84.00	2481	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.25	81.06	84.00	2459	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.33	81.06	84.00	2437	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.42	81.06	84.00	2416	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.50	81.05	84.00	2394	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.58	81.05	84.00	2372	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.67	81.05	84.00	2350	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.75	81.04	84.00	2328	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.83	81.04	84.00	2306	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	65.92	81.04	84.00	2285	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.00	81.03	84.00	2263	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.08	81.03	84.00	2241	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.17	81.03	84.00	2219	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.25	81.02	84.00	2197	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.33	81.02	84.00	2175	0.00	0.03	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.42	81.02	84.00	2153	0.00	0.02	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.50	81.01	84.00	2131	0.00	0.02	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.58	81.01	84.00	2110	0.00	0.02	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.67	81.01	84.00	2088	0.00	0.02	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.75	81.00	84.00	2066	0.00	0.02	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.83	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	66.92	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.00	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.08	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.17	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.25	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.33	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.42	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.50	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.58	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR024HR PRE	BASIN-11	BASE	67.67	81.00	84.00	2056	0.00	0.00	0.4	0.4

100YR24HR BASIN-11 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-12	BASE	43.50	82.13	84.00	24328	0.00	0.28	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	43.58	82.13	84.00	24080	0.00	0.28	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	43.67	82.12	84.00	23834	0.00	0.28	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	43.75	82.12	84.00	23586	0.00	0.27	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	43.83	82.12	84.00	23337	0.00	0.27	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	43.92	82.11	84.00	23089	0.00	0.27	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.00	82.11	84.00	22841	0.00	0.26	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.08	82.11	84.00	22593	0.00	0.26	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.17	82.10	84.00	22345	0.00	0.26	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.25	82.10	84.00	22097	0.00	0.26	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.33	82.10	84.00	21849	0.00	0.25	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.42	82.09	84.00	21601	0.00	0.25	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.50	82.09	84.00	21354	0.00	0.25	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.58	82.08	84.00	21106	0.00	0.24	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.67	82.08	84.00	20858	0.00	0.24	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.75	82.08	84.00	20610	0.00	0.24	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.83	82.07	84.00	20362	0.00	0.24	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	44.92	82.07	84.00	20114	0.00	0.23	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.00	82.07	84.00	19865	0.00	0.23	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.08	82.06	84.00	19617	0.00	0.23	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.17	82.06	84.00	19369	0.00	0.22	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.25	82.06	84.00	19121	0.00	0.22	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.33	82.05	84.00	18874	0.00	0.22	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.42	82.05	84.00	18626	0.00	0.22	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.50	82.05	84.00	18378	0.00	0.21	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.58	82.04	84.00	18130	0.00	0.21	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.67	82.04	84.00	17882	0.00	0.21	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.75	82.04	84.00	17634	0.00	0.20	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.83	82.03	84.00	17386	0.00	0.20	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	45.92	82.03	84.00	17138	0.00	0.20	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	46.00	82.03	84.00	16890	0.00	0.20	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	46.08	82.02	84.00	16643	0.00	0.19	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	46.17	82.02	84.00	16395	0.00	0.19	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	46.25	82.02	84.00	16147	0.00	0.19	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	46.33	82.01	84.00	15899	0.00	0.18	2.3	2.2
100YR024HR PRE	BASIN-12	BASE	46.42	82.01	84.00	15651	0.00	0.18	2.3	2.3
100YR24HR BASIN-12 PRE	BASIN-12	BASE	46.50	82.00	84.00	15402	0.00	0.18	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	46.58	82.00	84.00	15154	0.00	0.18	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	46.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	46.75	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	46.83	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	46.92	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.00	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.08	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.17	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.25	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.33	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.42	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.50	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.58	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.75	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR024HR PRE	BASIN-12	BASE	47.83	82.00	84.00	15050	0.00	0.00	2.3	2.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-13	BASE	235.67	80.16	89.00	693	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	235.75	80.15	89.00	691	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	235.83	80.15	89.00	690	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	235.92	80.15	89.00	688	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.00	80.14	89.00	687	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.08	80.14	89.00	686	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.17	80.14	89.00	684	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.25	80.13	89.00	683	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.33	80.13	89.00	681	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.42	80.13	89.00	680	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.50	80.12	89.00	678	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.58	80.12	89.00	677	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.67	80.12	89.00	675	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.75	80.11	89.00	674	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.83	80.11	89.00	673	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	236.92	80.11	89.00	671	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.00	80.10	89.00	670	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.08	80.10	89.00	668	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.17	80.10	89.00	667	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.25	80.09	89.00	665	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.33	80.09	89.00	664	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.42	80.09	89.00	663	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.50	80.08	89.00	661	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.58	80.08	89.00	660	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.67	80.07	89.00	658	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.75	80.07	89.00	657	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.83	80.07	89.00	655	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	237.92	80.06	89.00	654	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.00	80.06	89.00	652	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.08	80.06	89.00	651	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.17	80.05	89.00	650	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.25	80.05	89.00	648	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.33	80.05	89.00	647	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.42	80.04	89.00	645	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.50	80.04	89.00	644	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.58	80.04	89.00	642	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.67	80.03	89.00	641	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.75	80.03	89.00	640	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.83	80.03	89.00	638	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	238.92	80.02	89.00	637	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.00	80.02	89.00	635	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.08	80.02	89.00	634	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.17	80.01	89.00	632	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.25	80.01	89.00	631	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.33	80.01	89.00	629	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.42	80.00	89.00	628	0.00	0.01	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.50	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.58	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.67	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.75	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.83	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	239.92	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR024HR PRE	BASIN-13	BASE	240.00	80.00	89.00	627	0.00	0.00	1.5	1.5

100YR24HR BASIN-13 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-14	BASE	92.17	75.03	84.00	154	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.25	75.03	84.00	148	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.33	75.02	84.00	143	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.42	75.02	84.00	138	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.50	75.02	84.00	133	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.58	75.01	84.00	127	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.67	75.01	84.00	122	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.75	75.01	84.00	117	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	92.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.17	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.25	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.33	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.42	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.50	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.58	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.67	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.75	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	93.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.17	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.25	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.33	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.42	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.50	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.58	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.67	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.75	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	94.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.17	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.25	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.33	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.42	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.50	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.58	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.67	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.75	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	95.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.17	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.25	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.33	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.42	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR024HR PRE	BASIN-14	BASE	96.50	75.00	84.00	113	0.00	0.00	0.3	0.3

100YR24HR BASIN-14 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-15	BASE	41.42	83.14	84.75	33094	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	41.50	83.14	84.75	33009	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	41.58	83.13	84.75	32925	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	41.67	83.13	84.75	32840	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	41.75	83.13	84.75	32755	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	41.83	83.12	84.75	32671	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	41.92	83.12	84.75	32586	0.00	0.38	1.0	0.9
100YR024HR PRE	BASIN-15	BASE	42.00	83.12	84.75	32502	0.00	0.38	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.08	83.11	84.75	32417	0.00	0.38	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.17	83.11	84.75	32332	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.25	83.11	84.75	32248	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.33	83.10	84.75	32163	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.42	83.10	84.75	32078	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.50	83.09	84.75	31994	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.58	83.09	84.75	31909	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.67	83.09	84.75	31824	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.75	83.08	84.75	31740	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.83	83.08	84.75	31655	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	42.92	83.08	84.75	31571	0.00	0.37	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.00	83.07	84.75	31486	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.08	83.07	84.75	31401	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.17	83.07	84.75	31317	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.25	83.06	84.75	31232	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.33	83.06	84.75	31147	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.42	83.06	84.75	31063	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.50	83.05	84.75	30978	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.58	83.05	84.75	30893	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.67	83.05	84.75	30809	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.75	83.04	84.75	30725	0.00	0.36	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.83	83.04	84.75	30640	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	43.92	83.04	84.75	30555	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.00	83.03	84.75	30471	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.08	83.03	84.75	30386	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.17	83.03	84.75	30301	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.25	83.02	84.75	30217	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.33	83.02	84.75	30132	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.42	83.01	84.75	30047	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.50	83.01	84.75	29963	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.58	83.01	84.75	29878	0.00	0.35	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.67	83.00	84.75	29794	0.00	0.34	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.75	83.00	84.75	29709	0.00	0.34	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.83	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	44.92	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.00	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.08	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.17	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.25	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.33	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.42	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.50	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.58	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.67	83.00	84.75	29686	0.00	0.00	1.0	1.0
100YR024HR PRE	BASIN-15	BASE	45.75	83.00	84.75	29686	0.00	0.00	1.0	1.0

100YR24HR BASIN-15 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-2	BASE	734.75	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	735.00	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	735.25	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	735.50	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	735.75	50.31	84.25	3307	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	736.00	50.31	84.25	3307	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	736.25	50.30	84.25	3307	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	736.50	50.30	84.25	3307	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	736.75	50.30	84.25	3307	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	737.00	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	737.25	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	737.50	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	737.75	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	738.00	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	738.25	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	738.50	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	738.75	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	739.00	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	739.25	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	739.50	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	739.75	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	740.00	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	740.25	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	740.50	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	740.75	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	741.00	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	741.25	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	741.50	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	741.75	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	742.00	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	742.25	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	742.50	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	742.75	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	743.00	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	743.25	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	743.50	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	743.75	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-2	BASE	744.00	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR024HR PRE	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.08	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.17	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.25	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.33	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.42	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.50	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.58	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.67	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.75	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.83	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	0.92	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	1.00	80.00	88.00	105790	0.03	0.03	0.0	0.0
100YR024HR PRE	BASIN-3	BASE	1.09	80.00	88.00	105790	0.12	0.12	0.0	0.0

100YR24HR BASIN-2 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-3	BASE	98.92	80.13	88.00	115664	0.00	1.34	21.9	21.5
100YR024HR PRE	BASIN-3	BASE	99.00	80.13	88.00	115407	0.00	1.34	21.9	21.5
100YR024HR PRE	BASIN-3	BASE	99.08	80.13	88.00	115150	0.00	1.33	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.17	80.12	88.00	114894	0.00	1.33	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.25	80.12	88.00	114637	0.00	1.33	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.33	80.12	88.00	114381	0.00	1.32	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.42	80.11	88.00	114124	0.00	1.32	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.50	80.11	88.00	113868	0.00	1.32	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.58	80.11	88.00	113611	0.00	1.31	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.67	80.10	88.00	113354	0.00	1.31	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.75	80.10	88.00	113099	0.00	1.31	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.83	80.10	88.00	112843	0.00	1.31	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	99.92	80.09	88.00	112586	0.00	1.30	21.9	21.6
100YR024HR PRE	BASIN-3	BASE	100.00	80.09	88.00	112330	0.00	1.30	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.08	80.09	88.00	112073	0.00	1.30	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.17	80.08	88.00	111816	0.00	1.29	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.25	80.08	88.00	111560	0.00	1.29	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.33	80.07	88.00	111303	0.00	1.29	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.42	80.07	88.00	111047	0.00	1.29	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.50	80.07	88.00	110790	0.00	1.28	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.58	80.06	88.00	110535	0.00	1.28	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.67	80.06	88.00	110278	0.00	1.28	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.75	80.06	88.00	110022	0.00	1.27	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.83	80.05	88.00	109765	0.00	1.27	21.9	21.7
100YR024HR PRE	BASIN-3	BASE	100.92	80.05	88.00	109509	0.00	1.27	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.00	80.05	88.00	109252	0.00	1.26	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.08	80.04	88.00	108996	0.00	1.26	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.17	80.04	88.00	108739	0.00	1.26	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.25	80.04	88.00	108482	0.00	1.26	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.33	80.03	88.00	108227	0.00	1.25	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.42	80.03	88.00	107971	0.00	1.25	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.50	80.03	88.00	107714	0.00	1.25	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.58	80.02	88.00	107457	0.00	1.24	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.67	80.02	88.00	107201	0.00	1.24	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.75	80.02	88.00	106944	0.00	1.24	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.83	80.01	88.00	106688	0.00	1.23	21.9	21.8
100YR024HR PRE	BASIN-3	BASE	101.92	80.01	88.00	106431	0.00	1.23	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.00	80.01	88.00	106175	0.00	1.23	21.9	21.9
100YR24HR BASIN-3 PRE	BASIN-3	BASE	102.08	80.00	88.00	105918	0.00	1.23	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.17	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.25	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.33	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.42	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.50	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.58	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.67	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.75	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.83	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	102.92	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	103.00	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	103.08	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	103.17	80.00	88.00	105790	0.00	0.00	21.9	21.9
100YR024HR PRE	BASIN-3	BASE	103.25	80.00	88.00	105790	0.00	0.00	21.9	21.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-4	BASE	96.75	81.13	87.00	10131	0.00	0.12	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	96.83	81.13	87.00	10066	0.00	0.12	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	96.92	81.12	87.00	10001	0.00	0.12	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.00	81.12	87.00	9936	0.00	0.12	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.08	81.12	87.00	9871	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.17	81.11	87.00	9806	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.25	81.11	87.00	9742	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.33	81.11	87.00	9677	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.42	81.10	87.00	9612	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.50	81.10	87.00	9547	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.58	81.10	87.00	9482	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.67	81.09	87.00	9417	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.75	81.09	87.00	9352	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.83	81.09	87.00	9287	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	97.92	81.08	87.00	9222	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.00	81.08	87.00	9157	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.08	81.08	87.00	9093	0.00	0.11	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.17	81.07	87.00	9028	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.25	81.07	87.00	8963	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.33	81.07	87.00	8898	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.42	81.06	87.00	8833	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.50	81.06	87.00	8768	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.58	81.06	87.00	8703	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.67	81.05	87.00	8638	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.75	81.05	87.00	8573	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.83	81.05	87.00	8508	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	98.92	81.04	87.00	8444	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.00	81.04	87.00	8379	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.08	81.03	87.00	8314	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.17	81.03	87.00	8249	0.00	0.10	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.25	81.03	87.00	8184	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.33	81.02	87.00	8119	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.42	81.02	87.00	8054	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.50	81.02	87.00	7989	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.58	81.01	87.00	7924	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.67	81.01	87.00	7859	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.75	81.01	87.00	7795	0.00	0.09	4.6	4.6
100YR24HR BASIN-4 PRE	BASIN-4	BASE	99.83	81.00	87.00	7730	0.00	0.09	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	99.92	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.00	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.08	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.17	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.25	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.33	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.42	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.50	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.58	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.67	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.75	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.83	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	100.92	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	101.00	81.00	87.00	7667	0.00	0.00	4.6	4.6
100YR024HR PRE	BASIN-4	BASE	101.08	81.00	87.00	7667	0.00	0.00	4.6	4.6

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-5	BASE	112.25	85.06	89.00	31213	0.00	0.36	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.33	85.06	89.00	31086	0.00	0.36	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.42	85.05	89.00	30960	0.00	0.36	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.50	85.05	89.00	30833	0.00	0.36	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.58	85.05	89.00	30706	0.00	0.36	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.67	85.04	89.00	30580	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.75	85.04	89.00	30453	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.83	85.04	89.00	30327	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	112.92	85.03	89.00	30201	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.00	85.03	89.00	30074	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.08	85.03	89.00	29948	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.17	85.02	89.00	29821	0.00	0.35	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.25	85.02	89.00	29695	0.00	0.34	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.33	85.01	89.00	29568	0.00	0.34	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.42	85.01	89.00	29442	0.00	0.34	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.50	85.01	89.00	29315	0.00	0.34	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.58	85.00	89.00	29189	0.00	0.34	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.67	85.00	89.00	29062	0.00	0.34	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.75	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.83	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	113.92	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.00	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.08	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.17	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.25	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.33	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.42	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.50	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.58	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.67	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.75	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.83	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	114.92	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.00	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.08	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.17	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.25	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.33	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.42	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.50	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.58	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.67	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.75	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.83	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	115.92	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.00	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.08	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.17	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.25	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.33	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.42	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.50	85.00	89.00	29028	0.00	0.00	22.0	22.0
100YR024HR PRE	BASIN-5	BASE	116.58	85.00	89.00	29028	0.00	0.00	22.0	22.0

100YR24HR BASIN-5 PRE

Pleasant Solar Pre-Development Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-6	BASE	101.25	82.12	87.00	17814	0.00	0.21	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.33	82.12	87.00	17735	0.00	0.21	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.42	82.12	87.00	17656	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.50	82.11	87.00	17578	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.58	82.11	87.00	17499	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.67	82.11	87.00	17420	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.75	82.10	87.00	17341	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.83	82.10	87.00	17263	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	101.92	82.10	87.00	17184	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.00	82.09	87.00	17105	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.08	82.09	87.00	17026	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.17	82.08	87.00	16948	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.25	82.08	87.00	16869	0.00	0.20	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.33	82.08	87.00	16790	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.42	82.07	87.00	16711	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.50	82.07	87.00	16633	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.58	82.07	87.00	16554	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.67	82.06	87.00	16475	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.75	82.06	87.00	16396	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.83	82.06	87.00	16318	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	102.92	82.05	87.00	16239	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.00	82.05	87.00	16160	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.08	82.05	87.00	16082	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.17	82.04	87.00	16003	0.00	0.19	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.25	82.04	87.00	15924	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.33	82.04	87.00	15845	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.42	82.03	87.00	15766	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.50	82.03	87.00	15688	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.58	82.03	87.00	15609	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.67	82.02	87.00	15530	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.75	82.02	87.00	15451	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.83	82.02	87.00	15373	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	103.92	82.01	87.00	15294	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.00	82.01	87.00	15215	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.08	82.00	87.00	15137	0.00	0.18	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.17	82.00	87.00	15058	0.00	0.17	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.25	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.33	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.42	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.50	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.58	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.67	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.75	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.83	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	104.92	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.00	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.08	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.17	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.25	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.33	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.42	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.50	82.00	87.00	15028	0.00	0.00	6.3	6.3
100YR024HR PRE	BASIN-6	BASE	105.58	82.00	87.00	15028	0.00	0.00	6.3	6.3

100YR24HR BASIN-6 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-7	BASE	90.25	75.05	80.00	20229	0.00	0.23	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.33	75.05	80.00	19978	0.00	0.23	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.42	75.05	80.00	19728	0.00	0.23	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.50	75.04	80.00	19478	0.00	0.23	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.58	75.04	80.00	19228	0.00	0.22	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.67	75.04	80.00	18979	0.00	0.22	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.75	75.03	80.00	18728	0.00	0.22	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.83	75.03	80.00	18478	0.00	0.21	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	90.92	75.02	80.00	18228	0.00	0.21	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.00	75.02	80.00	17978	0.00	0.21	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.08	75.02	80.00	17727	0.00	0.21	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.17	75.01	80.00	17477	0.00	0.20	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.25	75.01	80.00	17227	0.00	0.20	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.33	75.01	80.00	16977	0.00	0.20	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.42	75.00	80.00	16726	0.00	0.19	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.50	75.00	80.00	16477	0.00	0.19	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.58	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.67	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.75	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.83	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	91.92	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.00	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.08	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.17	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.25	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.33	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.42	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.50	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.58	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.67	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.75	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.83	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	92.92	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.00	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.08	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.17	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.25	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.33	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.42	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.50	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.58	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.67	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.75	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.83	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	93.92	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.00	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.08	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.17	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.25	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.33	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.42	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.50	75.00	80.00	16431	0.00	0.00	9.7	9.7
100YR024HR PRE	BASIN-7	BASE	94.58	75.00	80.00	16431	0.00	0.00	9.7	9.7

100YR24HR BASIN-7 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-8	BASE	21.83	86.03	87.00	27754	1.92	2.09	1.1	0.6
100YR024HR PRE	BASIN-8	BASE	21.92	86.03	87.00	27692	1.89	2.04	1.1	0.6
100YR024HR PRE	BASIN-8	BASE	22.00	86.03	87.00	27638	1.86	1.99	1.2	0.6
100YR024HR PRE	BASIN-8	BASE	22.08	86.02	87.00	27589	1.81	1.95	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.17	86.02	87.00	27525	1.69	1.88	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.25	86.02	87.00	27435	1.54	1.80	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.33	86.02	87.00	27328	1.40	1.68	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.42	86.01	87.00	27221	1.30	1.56	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.50	86.01	87.00	27129	1.22	1.44	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.58	86.01	87.00	27051	1.16	1.33	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.67	86.01	87.00	26990	1.11	1.24	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.75	86.01	87.00	26946	1.07	1.16	1.2	0.7
100YR024HR PRE	BASIN-8	BASE	22.83	86.01	87.00	26913	1.03	1.10	1.2	0.8
100YR024HR PRE	BASIN-8	BASE	22.92	86.01	87.00	26890	1.01	1.06	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.00	86.00	87.00	26873	0.98	1.02	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.08	86.00	87.00	26859	0.96	0.99	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.17	86.00	87.00	26848	0.94	0.97	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.25	86.00	87.00	26839	0.93	0.95	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.34	86.00	87.00	26832	0.91	0.93	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.42	86.00	87.00	26827	0.90	0.92	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.50	86.00	87.00	26823	0.90	0.91	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.58	86.00	87.00	26820	0.89	0.90	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.67	86.00	87.00	26817	0.89	0.89	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.75	86.00	87.00	26816	0.89	0.89	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.84	86.00	87.00	26815	0.88	0.89	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	23.92	86.00	87.00	26815	0.88	0.89	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	24.00	86.00	87.00	26815	0.88	0.88	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	24.08	86.00	87.00	26810	0.86	0.87	1.3	0.8
100YR024HR PRE	BASIN-8	BASE	24.17	86.00	87.00	26791	0.75	0.82	1.3	0.9
100YR024HR PRE	BASIN-8	BASE	24.25	86.00	87.00	26755	0.61	0.70	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.34	86.00	87.00	26723	0.49	0.54	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.42	86.00	87.00	26708	0.40	0.39	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.50	86.00	87.00	26708	0.32	0.33	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.58	86.00	87.00	26707	0.26	0.27	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.67	86.00	87.00	26707	0.22	0.22	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.75	86.00	87.00	26706	0.18	0.18	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.84	86.00	87.00	26706	0.15	0.15	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	24.92	86.00	87.00	26705	0.12	0.12	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.00	86.00	87.00	26705	0.10	0.10	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.09	86.00	87.00	26705	0.07	0.07	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.17	86.00	87.00	26704	0.06	0.06	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.25	86.00	87.00	26705	0.04	0.09	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.33	86.00	87.00	115	0.03	-0.53	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.42	86.00	87.00	115	0.02	-0.59	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.50	86.00	87.00	115	0.01	-0.61	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.58	86.00	87.00	115	0.01	-0.61	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.67	86.00	87.00	115	0.00	-0.61	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.75	86.00	87.00	115	0.00	-0.61	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.83	86.00	87.00	115	0.00	-0.62	1.4	0.9
100YR024HR PRE	BASIN-8	BASE	25.92	86.00	87.00	115	0.00	-0.62	1.4	0.8
100YR024HR PRE	BASIN-8	BASE	26.00	86.00	87.00	115	0.00	-0.62	1.4	0.8
100YR024HR PRE	BASIN-8	BASE	26.08	86.00	87.00	115	0.00	-0.62	1.4	0.8
100YR024HR PRE	BASIN-8	BASE	26.17	86.00	87.00	115	0.00	-0.62	1.4	0.8

100YR24HR BASIN-8 PRE

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR024HR PRE	BASIN-9	BASE	138.92	72.08	79.75	1176	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.00	72.08	79.75	1164	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.08	72.08	79.75	1151	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.17	72.07	79.75	1139	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.25	72.07	79.75	1126	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.33	72.06	79.75	1114	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.42	72.06	79.75	1101	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.50	72.06	79.75	1089	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.58	72.05	79.75	1076	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.67	72.05	79.75	1064	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.75	72.05	79.75	1051	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.83	72.04	79.75	1039	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	139.92	72.04	79.75	1026	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.00	72.04	79.75	1013	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.08	72.03	79.75	1001	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.17	72.03	79.75	988	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.25	72.03	79.75	976	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.33	72.02	79.75	963	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.42	72.02	79.75	951	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.50	72.02	79.75	938	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.58	72.01	79.75	926	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.67	72.01	79.75	913	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.75	72.01	79.75	901	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.83	72.00	79.75	888	0.00	0.01	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	140.92	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.00	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.08	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.17	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.25	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.33	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.42	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.50	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.58	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.67	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.75	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.83	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	141.92	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.00	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.08	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.17	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.25	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.33	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.42	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.50	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.58	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.67	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.75	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.83	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	142.92	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	143.00	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	143.08	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	143.17	72.00	79.75	880	0.00	0.00	4.8	4.8
100YR024HR PRE	BASIN-9	BASE	143.25	72.00	79.75	880	0.00	0.00	4.8	4.8

100YR24HR BASIN-9 PRE

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==== Basins ====================================================================
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         Name: WTRSHD-1                Node: BASIN-1                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 32.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
8.060           4.180           4.18            4.760           51.140          0.417           4.170
2.360           0.000           0.00            1.940           23.010          0.417           4.170
0.930           0.000           0.00            4.690           20.480          0.402           5.590


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         Name: WTRSHD-10               Node: BASIN-10               Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 31.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
42.490          21.100          17.79           1.940           23.010          0.417           4.170
5.260           0.000           0.00            4.690           20.480          0.402           5.590
0.200           0.000           0.00            2.560           8.980           0.412           8.740
4.880           0.400           0.00            3.220           9.240           0.412           8.740
0.390           2.120           2.12            1.940           22.770          0.417           4.170


--------------------------------------------------------------------------------------------------------
         Name: WTRSHD-11               Node: BASIN-11               Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 12.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
3.500           0.050           0.05            1.940           23.010          0.417           4.170
0.730           0.000           0.00            4.690           20.480          0.402           5.590
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         Name: WTRSHD-12               Node: BASIN-12              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 16.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
4.010           0.000           0.00            1.940           23.010          0.417           4.170
7.010           28.330          28.33           4.690           20.480          0.402           5.590
1.040           0.000           0.00            4.760           51.140          0.417           4.170


-------------------------------------------------------------------------------------------------
         Name: WTRSHD-13               Node: BASIN-13              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 23.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
12.310          0.990           0.99            1.940           23.010          0.417           4.170
1.070           0.000           0.00            3.220           9.240           0.412           8.740


-------------------------------------------------------------------------------------------------
         Name: WTRSHD-14               Node: BASIN-14              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph GA

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 12.00
                                              Time Shift(hrs): 0.00
                                         Max Allowable Q(cfs): 999999.000

Area(ac)        Impervious(%)   DCIA(%)         Cutoff(ft)       ************** Eff Por(dec)    Suctn Hd(in)
--------------- --------------- --------------- --------------- --------------- --------------- ---------------
3.440           10.550          10.55           4.690           20.480          0.402           5.590


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         Name: WTRSHD-15               Node: BASIN-15              Status: Onsite
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Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 15.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
9.220	0.130	0.13	1.940	23.010	0.417	4.170
4.520	0.030	0.00	3.220	9.240	0.412	8.740

Name: WTRSHD-2 Node: BASIN-2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 21.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
18.820	0.410	0.41	1.940	23.010	0.417	4.170
5.130	34.870	34.87	4.690	20.480	0.402	5.590
5.310	0.000	0.00	3.220	9.240	0.412	8.740
0.700	0.000	0.00	4.760	51.140	0.417	4.170

Name: WTRSHD-3 Node: BASIN-3 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 29.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
79.770	20.510	19.37	1.940	23.010	0.417	4.170
0.630	0.000	0.00	4.690	20.480	0.402	5.590
21.440	5.220	0.00	3.220	9.240	0.412	8.740
8.400	5.500	0.00	4.660	4.320	0.402	5.590
0.510	0.000	0.00	1.770	11.030	0.412	8.740

Name: WTRSHD-4 Node: BASIN-4 Status: Onsite

Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 23.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
25.460	8.840	8.84	1.940	23.010	0.417	4.170
3.130	0.000	0.00	4.690	20.480	0.402	5.590
0.380	0.000	0.00	4.760	24.700	0.417	4.170
2.570	27.690	0.00	3.220	9.240	0.412	8.740
3.410	4.230	0.00	4.660	4.320	0.402	5.590
0.020	0.000	0.00	6.560	25.840	0.417	4.170

Name: WTRSHD-5 Node: BASIN-5 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 38.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
17.480	11.330	10.18	1.940	23.010	0.417	4.170
73.300	14.340	9.34	4.760	24.700	0.417	4.170
5.390	0.000	0.00	4.690	20.480	0.402	5.590
5.370	5.900	0.00	2.560	8.980	0.412	8.740
4.480	0.000	0.00	3.220	9.240	0.412	8.740
0.600	5.730	0.00	4.660	4.320	0.402	5.590
13.740	36.450	33.15	6.560	25.840	0.417	4.170
16.700	8.740	0.00	1.940	22.770	0.417	4.170
9.210	2.300	0.00	1.150	1.440	0.330	17.680
2.070	0.000	0.00	4.560	4.730	0.402	5.590

Name: WTRSHD-6 Node: BASIN-6 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 25.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)

16.710	17.030	10.89	1.940	23.010	0.417	4.170
1.200	0.420	0.00	4.760	24.700	0.417	4.170
2.880	89.650	85.94	4.690	20.480	0.402	5.590
0.360	7.510	0.00	3.220	9.240	0.412	8.740
11.570	9.520	6.14	6.560	25.840	0.417	4.170
1.070	0.000	0.00	1.940	22.770	0.417	4.170

Name: WTRSHD-7 Node: BASIN-7 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 33.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
21.580	10.250	3.98	1.940	23.010	0.417	4.170
44.420	13.330	8.11	4.760	24.700	0.417	4.170
3.600	7.750	0.00	3.220	9.240	0.412	8.740
11.300	21.580	20.15	6.560	25.840	0.417	4.170
1.410	0.000	0.00	1.940	22.770	0.417	4.170

Name: WTRSHD-8 Node: BASIN-8 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 18.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
5.340	5.120	5.12	1.940	23.010	0.417	4.170
2.870	11.740	11.74	4.760	24.700	0.417	4.170
2.280	0.000	0.00	1.940	22.770	0.417	4.170

Name: WTRSHD-9 Node: BASIN-9 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
18.780	3.260	0.51	1.940	23.010	0.417	4.170
0.050	0.000	0.00	4.760	24.700	0.417	4.170
7.130	21.730	21.03	2.560	8.980	0.412	8.740
2.850	0.910	0.00	3.220	9.240	0.412	8.740
4.800	17.810	16.66	1.940	22.770	0.417	4.170

==========
==== Nodes ==========
==========

Name: BASIN-1 Base Flow(cfs): 0.000 Init Stage(ft): 84.000
Group: BASE Warn Stage(ft): 86.000
Type: Stage/Area

Stage(ft)	Area(ac)
84.000	0.1109
85.000	0.3368
86.000	0.8292

Name: BASIN-10 Base Flow(cfs): 0.000 Init Stage(ft): 72.000
Group: BASE Warn Stage(ft): 79.000
Type: Stage/Area

Stage(ft)	Area(ac)
72.000	0.2390
73.000	0.8463
74.000	1.6392
75.000	4.0206
76.000	6.0829
77.000	7.5573
78.000	9.0290
79.000	10.7927

Name: BASIN-11 Base Flow(cfs): 0.000 Init Stage(ft): 81.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.0472
82.000	0.1917

83.000	0.3917
84.000	0.7038

Name: BASIN-12 Base Flow(cfs): 0.000 Init Stage(ft): 82.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
82.000	0.3455
83.000	1.9849
84.000	3.3071

Name: BASIN-13 Base Flow(cfs): 0.000 Init Stage(ft): 80.000
Group: BASE Warn Stage(ft): 89.000
Type: Stage/Area

Stage(ft)	Area(ac)
80.000	0.0144
81.000	0.0239
82.000	0.0318
83.000	0.0400
84.000	0.0471
85.000	0.0539
86.000	0.0607
87.000	0.0679
88.000	0.0776
89.000	0.1216

Name: BASIN-14 Base Flow(cfs): 0.000 Init Stage(ft): 75.000
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
75.000	0.0025
76.000	0.0376
77.000	0.1083
78.000	0.1845
79.000	0.2779
80.000	0.3626
81.000	0.4484
82.000	0.5486
83.000	0.6682
84.000	0.8501

```
-------------------------------------------------------------------------------------
      Name: BASIN-15            Base Flow(cfs): 0.000          Init Stage(ft): 83.000
     Group: BASE                                              Warn Stage(ft): 84.750
      Type: Stage/Area
```

Stage(ft)	Area(ac)
83.000	0.0310
84.000	1.2410
84.750	2.9141

```
-------------------------------------------------------------------------------------
      Name: BASIN-2             Base Flow(cfs): 0.000          Init Stage(ft): 40.000
     Group: BASE                                              Warn Stage(ft): 84.250
      Type: Stage/Area
```

Stage(ft)	Area(ac)
40.000	0.0155
41.000	0.0213
42.000	0.0263
43.000	0.0319
44.000	0.0374
45.000	0.0427
46.000	0.0482
47.000	0.0551
48.000	0.0612
49.000	0.0674
50.000	0.0740
51.000	0.0803
52.000	0.0868
53.000	0.0941
54.000	0.1023
55.000	0.1106
56.000	0.1188
57.000	0.1270
58.000	0.1347
59.000	0.1428
60.000	0.1520
61.000	0.1611
62.000	0.1704
63.000	0.1804
64.000	0.1909
65.000	0.2012
66.000	0.2117
67.000	0.2221
68.000	0.2321
69.000	0.2426
70.000	0.2538
71.000	0.2660
72.000	0.2795
73.000	0.2934

74.000	0.3041
75.000	0.3264
76.000	0.3492
77.000	0.3766
78.000	0.4091
79.000	0.4425
80.000	0.4794
81.000	0.5268
82.000	0.7267
83.000	1.2730
84.000	2.5460
84.250	3.0910

Name: BASIN-3 Base Flow(cfs): 0.000 Init Stage(ft): 80.000
Group: BASE Warn Stage(ft): 88.000
Type: Stage/Area

Stage(ft)	Area(ac)
80.000	2.4286
82.000	5.8194
84.000	9.9374
86.000	15.4540
88.000	21.9330

Name: BASIN-4 Base Flow(cfs): 0.000 Init Stage(ft): 85.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
85.000	4.4846
86.000	4.9099
87.000	5.3501

Name: BASIN-5 Base Flow(cfs): 0.000 Init Stage(ft): 87.000
Group: BASE Warn Stage(ft): 89.000
Type: Stage/Area

Stage(ft)	Area(ac)
87.000	10.9942
88.000	11.9513
89.000	13.1792

Name: BASIN-6 Base Flow(cfs): 0.000 Init Stage(ft): 85.000

Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
85.000	8.7930
86.000	9.3921
87.000	10.0137

Name: BASIN-7 Base Flow(cfs): 0.000 Init Stage(ft): 78.000
Group: BASE Warn Stage(ft): 80.000
Type: Stage/Area

Stage(ft)	Area(ac)
78.000	7.1389
79.000	7.6506
80.000	8.4832

Name: BASIN-8 Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
86.000	0.6130
87.000	1.4340

Name: BASIN-9 Base Flow(cfs): 0.000 Init Stage(ft): 77.000
Group: BASE Warn Stage(ft): 79.750
Type: Stage/Area

Stage(ft)	Area(ac)
77.000	3.4896
78.000	3.8340
79.000	4.1932
79.750	4.9064

Name: GROUND Base Flow(cfs): 0.000 Init Stage(ft): 12.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	12.000
99999.00	12.000

Name: OUTFALL-8 Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	86.000
9999.00	86.000

==========

Cross Sections

==========

Name: WEIR-15 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	85.000	0.150000
5.843	84.930	0.150000
13.189	84.730	0.150000
16.834	84.820	0.150000
38.550	84.920	0.150000

Name: WEIR-2 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	84.510	0.150000
6.644	84.450	0.150000
12.506	84.500	0.150000

Name: WEIR-5 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	89.500	0.150000

25.355	89.260	0.150000
48.181	89.130	0.150000
71.919	89.180	0.150000
120.634	89.370	0.150000

Name: WEIR-6 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	87.160	0.150000
10.469	87.110	0.150000
18.933	87.120	0.150000
37.974	87.160	0.150000
42.827	87.180	0.150000

==========
==== Pipes ====
==========

Name: PIPE-8 From Node: BASIN-8 Length(ft): 58.47
Group: BASE To Node: OUTFALL-8 Count: 1
Friction Equation: Automatic

	UPSTREAM	DOWNSTREAM
Geometry:	Vert Ellipse	Vert Ellipse
Span(in):	14.00	14.00
Rise(in):	22.00	22.00
Invert(ft):	83.970	83.840
Manning's N:	0.011000	0.011000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: 0.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Vertical Ellipse Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Vertical Ellipse Concrete: Square edge w/ headwall

==========
==== Weirs ====
==========

Name: WEIR-13 From Node: BASIN-13
Group: BASE To Node: BASIN-2
Flow: Both Count: 1
Type: Vertical: Fread Geometry: Trapezoidal

Bottom Width(ft): 100.00
Left Side Slope(h/v): 5.00

```
       Right Side Slope(h/v): 5.00
                  Invert(ft): 88.900
       Control Elevation(ft): 88.900
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------
         Name: WEIR-15             From Node: BASIN-15
        Group: BASE                  To Node: BASIN-10
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-15
                  Invert(ft): 84.730
       Control Elevation(ft): 84.730
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------
         Name: WEIR-2              From Node: BASIN-2
        Group: BASE                  To Node: BASIN-12
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-2
                  Invert(ft): 84.450
       Control Elevation(ft): 84.450
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------
         Name: WEIR-5              From Node: BASIN-5
        Group: BASE                  To Node: BASIN-6
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-5
                  Invert(ft): 89.080
```

```
       Control Elevation(ft): 89.080
      Struct Opening Dim(ft): 9999.00
                                     TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
         Name: WEIR-6              From Node: BASIN-6
        Group: BASE                  To Node: BASIN-9
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: WEIR-6
                  Invert(ft): 87.110
       Control Elevation(ft): 87.110
      Struct Opening Dim(ft): 9999.00
                                     TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



===============================================================================================
==== Percolation Links ========================================================================
===============================================================================================

         Name: PERC-1              From Node: BASIN-1                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1032.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1200.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 1201.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
           Suction Head(in): 4.170                       Num Cells 2 to 3: 50
         Layer Thickness(ft): 39.000



-------------------------------------------------------------------------------------------------
         Name: PERC-10             From Node: BASIN-10                Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 3371.000
```

```
       Water Table Elev(ft): 45.000                      Perimeter 2(ft): 3373.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 3374.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
            Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 27.000



-------------------------------------------------------------------------------------------------
         Name: PERC-11            From Node: BASIN-11               Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                      Perimeter 1(ft): 727.000
        Water Table Elev(ft): 45.000                     Perimeter 2(ft): 1000.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 1001.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
            Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 36.000



-------------------------------------------------------------------------------------------------
         Name: PERC-12            From Node: BASIN-12               Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                      Perimeter 1(ft): 1401.000
        Water Table Elev(ft): 45.000                     Perimeter 2(ft): 1700.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 1701.000
  Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
            Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 37.000



-------------------------------------------------------------------------------------------------
         Name: PERC-13            From Node: BASIN-13               Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                      Perimeter 1(ft): 324.000
        Water Table Elev(ft): 45.000                     Perimeter 2(ft): 600.000
  Ann Recharge Rate(in/year): 0.000                      Perimeter 3(ft): 601.000
```

```
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
          Layer Thickness(ft): 35.000



--------------------------------------------------------------------------------------------------
          Name: PERC-14             From Node: BASIN-14                Flow: Positive
         Group: BASE                  To Node: GROUND                Count: 1

          Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 910.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1100.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1101.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
          Layer Thickness(ft): 30.000



--------------------------------------------------------------------------------------------------
          Name: PERC-15             From Node: BASIN-15                Flow: Positive
         Group: BASE                  To Node: GROUND                Count: 1

          Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 1361.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1500.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1501.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
          Layer Thickness(ft): 38.000



--------------------------------------------------------------------------------------------------
          Name: PERC-2              From Node: BASIN-2                 Flow: Positive
         Group: BASE                  To Node: GROUND                Count: 1

          Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 1359.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1475.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1476.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
```

```
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                        Num Cells 2 to 3: 50
        Layer Thickness(ft): 0.000


-------------------------------------------------------------------------------------------------
         Name: PERC-3             From Node: BASIN-3                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 3996.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 4130.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 4131.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
           Suction Head(in): 4.170                         Num Cells 2 to 3: 50
        Layer Thickness(ft): 35.000



-------------------------------------------------------------------------------------------------
         Name: PERC-4             From Node: BASIN-4                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 1950.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 2261.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 2262.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
           Suction Head(in): 4.170                         Num Cells 2 to 3: 50
        Layer Thickness(ft): 40.000



-------------------------------------------------------------------------------------------------
         Name: PERC-5             From Node: BASIN-5                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 4353.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 4428.390
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 4429.390
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
           Suction Head(in): 4.170                         Num Cells 2 to 3: 50
```

```
         Layer Thickness(ft): 52.000



-------------------------------------------------------------------------------------------------
         Name: PERC-6              From Node: BASIN-6                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 2747.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 2977.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 2978.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
         Layer Thickness(ft): 40.000



-------------------------------------------------------------------------------------------------
         Name: PERC-7              From Node: BASIN-7                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 2492.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 2700.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 2701.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
         Layer Thickness(ft): 33.000



-------------------------------------------------------------------------------------------------
         Name: PERC-8              From Node: BASIN-8                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1157.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1300.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 1301.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
             Suction Head(in): 4.170                      Num Cells 2 to 3: 50
         Layer Thickness(ft): 41.000
```

```
-------------------------------------------------------------------------------------------------
         Name: PERC-9             From Node: BASIN-9                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                       Perimeter 1(ft): 1596.520
        Water Table Elev(ft): 45.000                      Perimeter 2(ft): 1910.000
  Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 1911.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
            Suction Head(in): 4.170                      Num Cells 2 to 3: 50
         Layer Thickness(ft): 32.000




=================================================================================================
==== Hydrology Simulations =====================================================================
=================================================================================================

         Name: 100YR1HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR1HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: Fdot-1
    Rainfall Amount(in): 4.40

Time(hrs)       Print Inc(min)
--------------- ---------------
721.000         5.00

-------------------------------------------------------------------------------------------------
         Name: 100YR24HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Fdot-24
    Rainfall Amount(in): 11.04

Time(hrs)       Print Inc(min)
--------------- ---------------
744.000         5.00

-------------------------------------------------------------------------------------------------
         Name: 100YR2HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR2HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 2.00
```

```
          Rainfall File: Fdot-2
    Rainfall Amount(in): 5.40

Time(hrs)       Print Inc(min)
--------------- ---------------
722.000         5.00

-------------------------------------------------------------------------------------------------
         Name: 100YR4HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR4HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 4.00
          Rainfall File: Fdot-4
    Rainfall Amount(in): 6.72

Time(hrs)       Print Inc(min)
--------------- ---------------
724.000         5.00

-------------------------------------------------------------------------------------------------
         Name: 100YR8HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR8HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 8.00
          Rainfall File: Fdot-8
    Rainfall Amount(in): 8.00

Time(hrs)       Print Inc(min)
--------------- ---------------
728.000         5.00

=================================================================================================
==== Routing Simulations ========================================================================
=================================================================================================

         Name: 100YR1HR            Hydrology Sim: 100YR1HR
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR1HR.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 721.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 30.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
```

BASE	Yes

Name: 100YR24HR Hydrology Sim: 100YR24HR
Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR24HR.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 744.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 30.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
300.000	5.000
960.000	15.000

Group	Run
BASE	Yes

Name: 100YR2HR Hydrology Sim: 100YR2HR
Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR2HR.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 722.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 30.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes

Name: 100YR4HR Hydrology Sim: 100YR4HR
Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR4HR.I32

```
     Execute: No          Restart: No            Patch: No
 Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 724.00
    Min Calc Time(sec): 0.5000               Max Calc Time(sec): 30.0000
       Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
300.000         5.000
960.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
        Name: 100YR8HR            Hydrology Sim: 100YR8HR
    Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR8HR.I32

     Execute: No          Restart: No            Patch: No
 Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 728.00
    Min Calc Time(sec): 0.5000               Max Calc Time(sec): 30.0000
       Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
300.000         5.000
960.000         15.000

Group           Run
--------------- -----
BASE            Yes
```

Alachua Solar Post-Development 100-year, 1-hour Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR1HR	2.85	84.55	86.00	0.0007	10252	0.92	1.28	2.85	0.12
BASIN-10	BASE	100YR1HR	3.17	74.34	79.00	0.0021	106429	0.92	29.34	3.17	1.23
BASIN-11	BASE	100YR1HR	0.55	81.00	84.00	-0.0000	2056	0.67	0.01	0.67	0.01
BASIN-12	BASE	100YR1HR	1.84	82.69	84.00	0.0004	64094	0.75	11.14	1.84	0.74
BASIN-13	BASE	100YR1HR	2.62	81.80	89.00	0.0019	1317	0.83	0.57	2.62	0.02
BASIN-14	BASE	100YR1HR	1.67	77.26	84.00	0.0023	5581	0.67	2.34	1.67	0.06
BASIN-15	BASE	100YR1HR	1.08	83.03	84.75	-0.0003	3002	0.67	0.07	1.08	0.03
BASIN-2	BASE	100YR1HR	2.00	51.29	84.25	0.0050	3581	0.75	9.18	1.23	1.45
BASIN-3	BASE	100YR1HR	3.07	81.57	88.00	0.0021	221658	0.83	74.81	3.07	2.57
BASIN-4	BASE	100YR1HR	2.05	85.19	87.00	-0.0002	198850	0.75	17.55	2.05	2.30
BASIN-5	BASE	100YR1HR	3.25	87.43	89.00	0.0009	496768	1.00	61.54	3.25	5.75
BASIN-6	BASE	100YR1HR	1.92	85.12	87.00	-0.0002	386048	0.83	22.31	1.92	4.47
BASIN-7	BASE	100YR1HR	2.60	78.22	80.00	0.0003	315824	0.92	25.14	2.60	3.66
BASIN-8	BASE	100YR1HR	0.93	86.05	87.00	-0.0010	28513	0.75	3.26	0.93	2.65
BASIN-9	BASE	100YR1HR	1.93	77.16	79.75	-0.0002	154405	0.75	11.43	1.93	1.79

Alachua Solar Post-Development 100 year, 2 hour Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR2HR	3.24	84.64	86.00	0.0008	11154	1.08	1.14	3.24	0.13
BASIN-10	BASE	100YR2HR	3.53	74.54	79.00	0.0019	127724	1.08	26.05	3.53	1.48
BASIN-11	BASE	100YR2HR	0.83	81.00	84.00	0.0000	2056	0.83	0.01	0.83	0.01
BASIN-12	BASE	100YR2HR	2.37	82.77	84.00	0.0003	69793	0.92	9.49	2.37	0.81
BASIN-13	BASE	100YR2HR	3.14	82.09	89.00	0.0018	1419	1.00	0.49	3.14	0.02
BASIN-14	BASE	100YR2HR	2.42	77.45	84.00	0.0018	6207	0.83	1.95	2.42	0.07
BASIN-15	BASE	100YR2HR	2.34	83.00	84.75	0.0000	29686	0.92	0.06	0.92	0.06
BASIN-2	BASE	100YR2HR	2.43	52.47	84.25	0.0050	3932	0.92	7.88	1.56	1.49
BASIN-3	BASE	100YR2HR	3.46	81.72	88.00	0.0021	232988	1.00	62.60	3.46	2.70
BASIN-4	BASE	100YR2HR	2.38	85.17	87.00	-0.0003	198462	1.00	12.99	2.38	2.30
BASIN-5	BASE	100YR2HR	3.59	87.47	89.00	0.0009	498348	1.17	52.54	3.59	5.77
BASIN-6	BASE	100YR2HR	2.43	85.14	87.00	-0.0002	386702	1.00	19.45	2.43	4.48
BASIN-7	BASE	100YR2HR	3.06	78.27	80.00	0.0004	317075	1.08	22.44	3.06	3.67
BASIN-8	BASE	100YR2HR	1.10	86.04	87.00	-0.0006	28119	0.92	2.78	1.10	2.38
BASIN-9	BASE	100YR2HR	2.40	77.19	79.75	-0.0003	154899	0.92	9.84	2.40	1.79

Alachua Solar Post-Development 100 year, 4 hour Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR4HR	4.73	84.74	86.00	0.0007	12107	2.58	0.90	4.73	0.14
BASIN-10	BASE	100YR4HR	5.03	74.76	79.00	0.0016	150404	2.58	20.49	5.03	1.74
BASIN-11	BASE	100YR4HR	3.88	81.00	84.00	0.0000	2056	2.08	0.01	2.08	0.01
BASIN-12	BASE	100YR4HR	4.06	82.85	84.00	0.0004	75961	2.08	6.28	4.06	0.88
BASIN-13	BASE	100YR4HR	4.79	82.44	89.00	0.0018	1542	2.25	0.35	4.79	0.02
BASIN-14	BASE	100YR4HR	4.18	77.67	84.00	0.0011	6938	2.08	1.20	4.18	0.08
BASIN-15	BASE	100YR4HR	3.88	83.00	84.75	0.0000	29686	2.08	0.04	2.08	0.04
BASIN-2	BASE	100YR4HR	4.08	53.79	84.25	0.0049	4382	2.17	5.56	3.00	1.51
BASIN-3	BASE	100YR4HR	5.03	81.89	88.00	0.0019	245520	2.50	42.86	5.03	2.84
BASIN-4	BASE	100YR4HR	3.80	85.13	87.00	-0.0003	197717	2.25	6.70	3.80	2.29
BASIN-5	BASE	100YR4HR	5.26	87.58	89.00	0.0012	503248	2.67	40.49	5.26	5.82
BASIN-6	BASE	100YR4HR	3.95	85.16	87.00	-0.0003	387089	2.50	14.26	3.95	4.48
BASIN-7	BASE	100YR4HR	4.58	78.33	80.00	0.0005	318281	2.58	17.92	4.58	3.68
BASIN-8	BASE	100YR4HR	2.40	86.02	87.00	-0.0006	27459	2.17	1.88	2.40	1.82
BASIN-9	BASE	100YR4HR	3.97	77.22	79.75	-0.0003	155242	2.17	7.05	3.97	1.80

Alachua Solar Post-Development 100 year, 8 hour Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR24HR	24.39	85.27	86.00	0.0003	20377	21.00	0.90	24.39	0.24
BASIN-10	BASE	100YR24HR	24.52	75.89	79.00	0.0020	255156	19.17	16.60	24.52	2.95
BASIN-11	BASE	100YR24HR	24.28	82.76	84.00	0.0035	14979	19.08	1.30	24.28	0.17
BASIN-12	BASE	100YR24HR	22.39	82.95	84.00	0.0004	82577	19.08	2.21	22.39	0.96
BASIN-13	BASE	100YR24HR	20.58	88.95	89.00	0.0050	5210	20.58	4.15	20.58	4.15
BASIN-14	BASE	100YR24HR	21.48	77.90	84.00	0.0019	7719	12.00	0.40	21.48	0.09
BASIN-15	BASE	100YR24HR	24.20	84.09	84.75	0.0045	62698	19.67	3.18	24.20	0.73
BASIN-2	BASE	100YR24HR	24.47	68.44	84.25	0.0050	10313	20.34	11.07	21.46	2.35
BASIN-3	BASE	100YR24HR	24.65	83.22	88.00	0.0015	363066	19.25	27.53	24.65	4.20
BASIN-4	BASE	100YR24HR	24.23	85.37	87.00	-0.0003	202245	20.50	8.60	24.23	2.34
BASIN-5	BASE	100YR24HR	24.30	88.01	89.00	0.0007	520879	12.25	21.22	24.30	6.03
BASIN-6	BASE	100YR24HR	22.28	85.12	87.00	-0.0003	386255	19.08	9.00	22.28	4.47
BASIN-7	BASE	100YR24HR	23.67	78.47	80.00	0.0007	321484	19.17	11.78	23.67	3.72
BASIN-8	BASE	100YR24HR	20.34	86.05	87.00	-0.0006	28559	19.92	2.72	20.34	2.68
BASIN-9	BASE	100YR24HR	24.32	77.64	79.75	0.0012	161624	19.17	9.80	24.32	1.87

Alachua Solar Post-Development 100 year, 24 hour Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
BASIN-1	BASE	100YR24HR	24.39	85.27	86.00	0.0003	20377	21.00	0.90	24.39	0.24
BASIN-10	BASE	100YR24HR	24.52	75.89	79.00	0.0020	255156	19.17	16.60	24.52	2.95
BASIN-11	BASE	100YR24HR	24.28	82.76	84.00	0.0035	14979	19.08	1.30	24.28	0.17
BASIN-12	BASE	100YR24HR	22.39	82.95	84.00	0.0004	82577	19.08	2.21	22.39	0.96
BASIN-13	BASE	100YR24HR	20.58	88.95	89.00	0.0050	5210	20.58	4.15	20.58	4.15
BASIN-14	BASE	100YR24HR	21.48	77.90	84.00	0.0019	7719	12.00	0.40	21.48	0.09
BASIN-15	BASE	100YR24HR	24.20	84.09	84.75	0.0045	62698	19.67	3.18	24.20	0.73
BASIN-2	BASE	100YR24HR	24.47	68.44	84.25	0.0050	10313	20.34	11.07	21.46	2.35
BASIN-3	BASE	100YR24HR	24.65	83.22	88.00	0.0015	363066	19.25	27.53	24.65	4.20
BASIN-4	BASE	100YR24HR	24.23	85.37	87.00	-0.0003	202245	20.50	8.60	24.23	2.34
BASIN-5	BASE	100YR24HR	24.30	88.01	89.00	0.0007	520879	12.25	21.22	24.30	6.03
BASIN-6	BASE	100YR24HR	22.28	85.12	87.00	-0.0003	386255	19.08	9.00	22.28	4.47
BASIN-7	BASE	100YR24HR	23.67	78.47	80.00	0.0007	321484	19.17	11.78	23.67	3.72
BASIN-8	BASE	100YR24HR	20.34	86.05	87.00	-0.0006	28559	19.92	2.72	20.34	2.68
BASIN-9	BASE	100YR24HR	24.32	77.64	79.75	0.0012	161624	19.17	9.80	24.32	1.87

Alachua Solar Basin 8 Discharge

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
PIPE-8	BASE	100YR1HR	0.93	2.32	-0.333	0.93	86.05	0.00	86.00
PIPE-8	BASE	100YR24HR	0.00	0.00	0.000	0.00	86.00	0.00	86.00
PIPE-8	BASE	100YR2HR	1.10	2.06	-0.258	1.10	86.04	0.00	86.00
PIPE-8	BASE	100YR4HR	2.40	1.50	-0.258	2.40	86.02	0.00	86.00
PIPE-8	BASE	100YR8HR	4.13	1.53	-0.259	4.13	86.02	0.00	86.00

Alachua Solar Post-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	OUTFALL-8	BASE	715.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR1HR	OUTFALL-8	BASE	715.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR1HR	OUTFALL-8	BASE	716.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR1HR	OUTFALL-8	BASE	716.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	716.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	716.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	717.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	717.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	717.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	717.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	718.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR1HR	OUTFALL-8	BASE	718.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	718.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR1HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.4	0.0
100YR1HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.4	0.0
100YR1HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.4	0.0
100YR1HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0
100YR1HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0
100YR24HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.08	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.17	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.33	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.42	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.58	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.67	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.83	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	0.92	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.00	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.09	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.17	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.25	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.34	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.42	86.00	0.00	2	0.00	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.50	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.58	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.67	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.75	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.83	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	1.92	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	2.00	86.00	0.00	2	0.04	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	2.08	86.00	0.00	2	0.05	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	2.17	86.00	0.00	2	0.05	0.00	0.0	0.0
100YR24HR	OUTFALL-8	BASE	2.25	86.00	0.00	2	0.05	0.00	0.0	0.0

100YR1HR POST

Alachua Solar Post-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR24HR	OUTFALL-8	BASE	732.00	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	732.25	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	732.50	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	732.75	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.00	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.25	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.50	86.00	0.00	2	-0.62	0.00	-35.1	0.0	
100YR24HR	OUTFALL-8	BASE	733.75	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.00	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.25	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.50	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	734.75	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.00	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.25	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.50	86.00	0.00	2	-0.62	0.00	-35.2	0.0	
100YR24HR	OUTFALL-8	BASE	735.75	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.00	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.25	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.50	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	736.75	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	737.00	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	737.25	86.00	0.00	2	-0.62	0.00	-35.3	0.0	
100YR24HR	OUTFALL-8	BASE	737.50	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	737.75	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.00	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.25	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.50	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	738.75	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	739.00	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	739.25	86.00	0.00	2	-0.62	0.00	-35.4	0.0	
100YR24HR	OUTFALL-8	BASE	739.50	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	739.75	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.00	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.25	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.50	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	740.75	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	741.00	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	741.25	86.00	0.00	2	-0.62	0.00	-35.5	0.0	
100YR24HR	OUTFALL-8	BASE	741.50	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	741.75	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.00	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.25	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.50	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	742.75	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	743.00	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	743.25	86.00	0.00	2	-0.62	0.00	-35.6	0.0	
100YR24HR	OUTFALL-8	BASE	743.50	86.00	0.00	2	-0.62	0.00	-35.7	0.0	
100YR24HR	OUTFALL-8	BASE	743.75	86.00	0.00	2	-0.62	0.00	-35.7	0.0	
100YR24HR	OUTFALL-8	BASE	744.00	86.00	0.00	2	-0.62	0.00	-35.7	0.0	100YR24HR POST
100YR2HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR2HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.08	0.00	0.0	0.0	
100YR2HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.76	0.00	0.0	0.0	

Alachua Solar Post-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR2HR	OUTFALL-8	BASE	716.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	716.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	716.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR2HR	OUTFALL-8	BASE	717.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR2HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR2HR	OUTFALL-8	BASE	721.75	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR2HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR2HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	100YR2HR POST
100YR4HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.08	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.17	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.33	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.42	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.58	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.67	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.83	86.00	0.00	2	0.14	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	0.92	86.00	0.00	2	0.20	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.00	86.00	0.00	2	0.26	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.08	86.00	0.00	2	0.31	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.17	86.00	0.00	2	0.40	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.25	86.00	0.00	2	0.50	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.33	86.00	0.00	2	0.60	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.42	86.00	0.00	2	0.70	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.50	86.00	0.00	2	0.78	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.58	86.00	0.00	2	0.85	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.67	86.00	0.00	2	0.93	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.75	86.00	0.00	2	1.03	0.00	0.0	0.0	
100YR4HR	OUTFALL-8	BASE	1.83	86.00	0.00	2	1.14	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	1.92	86.00	0.00	2	1.24	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.00	86.00	0.00	2	1.33	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.08	86.00	0.00	2	1.40	0.00	0.1	0.0	
100YR4HR	OUTFALL-8	BASE	2.17	86.00	0.00	2	1.46	0.00	0.1	0.0	

Alachua Solar Post-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR4HR	OUTFALL-8	BASE	718.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0	
100YR4HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	721.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0	
100YR4HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	722.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	722.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	722.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	723.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0	
100YR4HR	OUTFALL-8	BASE	724.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	
100YR4HR	OUTFALL-8	BASE	724.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0	100YR2HR POST
100YR8HR	OUTFALL-8	BASE	0.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.08	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.17	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.25	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.33	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.42	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.50	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.58	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.67	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.75	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.83	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	0.92	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.00	86.00	0.00	2	0.00	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.09	86.00	0.00	2	0.03	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.17	86.00	0.00	2	0.04	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.25	86.00	0.00	2	0.05	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.33	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.42	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.50	86.00	0.00	2	0.06	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.58	86.00	0.00	2	0.08	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.67	86.00	0.00	2	0.11	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.75	86.00	0.00	2	0.13	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.83	86.00	0.00	2	0.15	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	1.92	86.00	0.00	2	0.16	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.00	86.00	0.00	2	0.18	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.08	86.00	0.00	2	0.19	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.17	86.00	0.00	2	0.22	0.00	0.0	0.0	
100YR8HR	OUTFALL-8	BASE	2.25	86.00	0.00	2	0.26	0.00	0.0	0.0	

Alachua Solar Post-Development Basin 8 Discharged Volume

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	OUTFALL-8	BASE	718.75	86.00	0.00	2	-0.62	0.00	-35.9	0.0
100YR8HR	OUTFALL-8	BASE	719.00	86.00	0.00	2	-0.62	0.00	-35.9	0.0
100YR8HR	OUTFALL-8	BASE	719.25	86.00	0.00	2	-0.62	0.00	-35.9	0.0
100YR8HR	OUTFALL-8	BASE	719.50	86.00	0.00	2	-0.62	0.00	-35.9	0.0
100YR8HR	OUTFALL-8	BASE	719.75	86.00	0.00	2	-0.62	0.00	-35.9	0.0
100YR8HR	OUTFALL-8	BASE	720.00	86.00	0.00	2	-0.62	0.00	-35.9	0.0
100YR8HR	OUTFALL-8	BASE	720.25	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	720.50	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	720.75	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	721.00	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	721.25	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	721.50	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	721.75	86.00	0.00	2	-0.62	0.00	-36.0	0.0
100YR8HR	OUTFALL-8	BASE	722.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	722.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	722.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	722.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	723.00	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	723.25	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	723.50	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	723.75	86.00	0.00	2	-0.62	0.00	-36.1	0.0
100YR8HR	OUTFALL-8	BASE	724.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	724.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	724.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	724.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	725.00	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	725.25	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	725.50	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	725.75	86.00	0.00	2	-0.62	0.00	-36.2	0.0
100YR8HR	OUTFALL-8	BASE	726.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	726.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	726.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	726.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	727.00	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	727.25	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	727.50	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	727.75	86.00	0.00	2	-0.62	0.00	-36.3	0.0
100YR8HR	OUTFALL-8	BASE	728.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0
100YR8HR	OUTFALL-8	BASE	728.00	86.00	0.00	2	-0.62	0.00	-36.4	0.0 100YR8HR POST

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-1	BASE	13.25	84.13	86.00	6151	0.00	0.07	0.1	0.1
100YR1HR	BASIN-1	BASE	13.50	84.12	86.00	6049	0.00	0.07	0.1	0.1
100YR1HR	BASIN-1	BASE	13.75	84.11	86.00	5946	0.00	0.07	0.1	0.1
100YR1HR	BASIN-1	BASE	14.00	84.10	86.00	5844	0.00	0.07	0.1	0.1
100YR1HR	BASIN-1	BASE	14.25	84.09	86.00	5741	0.00	0.07	0.1	0.1
100YR1HR	BASIN-1	BASE	14.50	84.08	86.00	5639	0.00	0.07	0.1	0.1
100YR1HR	BASIN-1	BASE	14.75	84.07	86.00	5536	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	15.00	84.06	86.00	5434	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	15.25	84.05	86.00	5331	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	15.50	84.04	86.00	5229	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	15.75	84.03	86.00	5126	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	16.00	84.02	86.00	5024	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	16.25	84.01	86.00	4921	0.00	0.06	0.1	0.1
100YR1HR	BASIN-1	BASE	16.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	16.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	17.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	17.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	17.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	17.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	18.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	18.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	18.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	18.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	19.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	19.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	19.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	19.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	20.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	20.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	20.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	20.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	21.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	21.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	21.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	21.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	22.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	22.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	22.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	22.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	23.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	23.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	23.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	23.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	24.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	24.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	24.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	24.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	25.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	25.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	25.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	25.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	26.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR1HR	BASIN-1	BASE	26.25	84.00	86.00	4831	0.00	0.00	0.1	0.1

100YR1HR BASIN 1 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-10	BASE	46.75	72.53	79.00	24485	0.00	0.28	2.7	2.5
100YR1HR	BASIN-10	BASE	47.00	72.52	79.00	24209	0.00	0.28	2.7	2.5
100YR1HR	BASIN-10	BASE	47.25	72.51	79.00	23934	0.00	0.28	2.7	2.5
100YR1HR	BASIN-10	BASE	47.50	72.50	79.00	23658	0.00	0.27	2.7	2.5
100YR1HR	BASIN-10	BASE	47.75	72.49	79.00	23382	0.00	0.27	2.7	2.5
100YR1HR	BASIN-10	BASE	48.00	72.48	79.00	23107	0.00	0.27	2.7	2.5
100YR1HR	BASIN-10	BASE	48.25	72.47	79.00	22831	0.00	0.26	2.7	2.5
100YR1HR	BASIN-10	BASE	48.50	72.46	79.00	22556	0.00	0.26	2.7	2.5
100YR1HR	BASIN-10	BASE	48.75	72.45	79.00	22280	0.00	0.26	2.7	2.5
100YR1HR	BASIN-10	BASE	49.00	72.44	79.00	22005	0.00	0.25	2.7	2.5
100YR1HR	BASIN-10	BASE	49.25	72.43	79.00	21729	0.00	0.25	2.7	2.6
100YR1HR	BASIN-10	BASE	49.50	72.42	79.00	21453	0.00	0.25	2.7	2.6
100YR1HR	BASIN-10	BASE	49.75	72.41	79.00	21178	0.00	0.25	2.7	2.6
100YR1HR	BASIN-10	BASE	50.00	72.40	79.00	20902	0.00	0.24	2.7	2.6
100YR1HR	BASIN-10	BASE	50.25	72.39	79.00	20627	0.00	0.24	2.7	2.6
100YR1HR	BASIN-10	BASE	50.50	72.38	79.00	20351	0.00	0.24	2.7	2.6
100YR1HR	BASIN-10	BASE	50.75	72.37	79.00	20076	0.00	0.23	2.7	2.6
100YR1HR	BASIN-10	BASE	51.00	72.35	79.00	19800	0.00	0.23	2.7	2.6
100YR1HR	BASIN-10	BASE	51.25	72.34	79.00	19525	0.00	0.23	2.7	2.6
100YR1HR	BASIN-10	BASE	51.50	72.33	79.00	19249	0.00	0.22	2.7	2.6
100YR1HR	BASIN-10	BASE	51.75	72.32	79.00	18973	0.00	0.22	2.7	2.6
100YR1HR	BASIN-10	BASE	52.00	72.31	79.00	18698	0.00	0.22	2.7	2.6
100YR1HR	BASIN-10	BASE	52.25	72.30	79.00	18422	0.00	0.21	2.7	2.6
100YR1HR	BASIN-10	BASE	52.50	72.29	79.00	18147	0.00	0.21	2.7	2.6
100YR1HR	BASIN-10	BASE	52.75	72.28	79.00	17871	0.00	0.21	2.7	2.6
100YR1HR	BASIN-10	BASE	53.00	72.27	79.00	17596	0.00	0.20	2.7	2.6
100YR1HR	BASIN-10	BASE	53.25	72.26	79.00	17320	0.00	0.20	2.7	2.6
100YR1HR	BASIN-10	BASE	53.50	72.25	79.00	17044	0.00	0.20	2.7	2.6
100YR1HR	BASIN-10	BASE	53.75	72.24	79.00	16769	0.00	0.19	2.7	2.6
100YR1HR	BASIN-10	BASE	54.00	72.23	79.00	16493	0.00	0.19	2.7	2.6
100YR1HR	BASIN-10	BASE	54.25	72.22	79.00	16218	0.00	0.19	2.7	2.6
100YR1HR	BASIN-10	BASE	54.50	72.21	79.00	15942	0.00	0.18	2.7	2.6
100YR1HR	BASIN-10	BASE	54.75	72.20	79.00	15667	0.00	0.18	2.7	2.6
100YR1HR	BASIN-10	BASE	55.00	72.19	79.00	15391	0.00	0.18	2.7	2.7
100YR1HR	BASIN-10	BASE	55.25	72.18	79.00	15115	0.00	0.17	2.7	2.7
100YR1HR	BASIN-10	BASE	55.50	72.17	79.00	14840	0.00	0.17	2.7	2.7
100YR1HR	BASIN-10	BASE	55.75	72.16	79.00	14564	0.00	0.17	2.7	2.7
100YR1HR	BASIN-10	BASE	56.00	72.15	79.00	14289	0.00	0.17	2.7	2.7
100YR1HR	BASIN-10	BASE	56.25	72.14	79.00	14013	0.00	0.16	2.7	2.7
100YR1HR	BASIN-10	BASE	56.50	72.13	79.00	13738	0.00	0.16	2.7	2.7
100YR1HR	BASIN-10	BASE	56.75	72.12	79.00	13462	0.00	0.16	2.7	2.7
100YR1HR	BASIN-10	BASE	57.00	72.10	79.00	13187	0.00	0.15	2.7	2.7
100YR1HR	BASIN-10	BASE	57.25	72.09	79.00	12911	0.00	0.15	2.7	2.7
100YR1HR	BASIN-10	BASE	57.50	72.08	79.00	12635	0.00	0.15	2.7	2.7
100YR1HR	BASIN-10	BASE	57.75	72.07	79.00	12360	0.00	0.14	2.7	2.7
100YR1HR	BASIN-10	BASE	58.00	72.06	79.00	12084	0.00	0.14	2.7	2.7
100YR1HR	BASIN-10	BASE	58.25	72.05	79.00	11809	0.00	0.14	2.7	2.7
100YR1HR	BASIN-10	BASE	58.50	72.04	79.00	11533	0.00	0.13	2.7	2.7
100YR1HR	BASIN-10	BASE	58.75	72.03	79.00	11258	0.00	0.13	2.7	2.7
100YR1HR	BASIN-10	BASE	59.00	72.02	79.00	10982	0.00	0.13	2.7	2.7
100YR1HR	BASIN-10	BASE	59.25	72.01	79.00	10706	0.00	0.12	2.7	2.7
100YR1HR	BASIN-10	BASE	59.50	72.00	79.00	10431	0.00	0.12	2.7	2.7
100YR1HR	BASIN-10	BASE	59.75	72.00	79.00	10411	0.00	0.00	2.7	2.7

100YR1HR BASIN 10 POST RECOVERY

100YR1HR BASIN 11 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-11	BASE	0.75	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR1HR	BASIN-11	BASE	1.00	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR1HR	BASIN-11	BASE	1.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	1.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	1.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	2.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	2.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	2.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	2.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	3.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	3.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	3.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	3.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	4.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	4.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	4.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	4.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	5.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	5.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	5.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	5.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	6.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	6.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	6.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	6.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	7.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	7.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	7.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	7.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	8.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	8.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	8.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	8.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	9.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	9.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	9.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	9.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	10.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	10.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	10.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	10.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	11.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	11.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	11.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	11.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	12.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	12.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	12.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	12.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	13.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	13.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	13.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR1HR	BASIN-11	BASE	13.75	81.00	84.00	2056	0.00	0.00	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-12	BASE	7.75	82.45	84.00	47001	0.00	0.54	0.7	0.4
100YR1HR	BASIN-12	BASE	8.00	82.44	84.00	46257	0.00	0.54	0.7	0.4
100YR1HR	BASIN-12	BASE	8.25	82.43	84.00	45512	0.00	0.53	0.7	0.4
100YR1HR	BASIN-12	BASE	8.50	82.42	84.00	44770	0.00	0.52	0.7	0.4
100YR1HR	BASIN-12	BASE	8.75	82.41	84.00	44025	0.00	0.51	0.7	0.4
100YR1HR	BASIN-12	BASE	9.00	82.40	84.00	43281	0.00	0.50	0.7	0.4
100YR1HR	BASIN-12	BASE	9.25	82.38	84.00	42538	0.00	0.49	0.7	0.5
100YR1HR	BASIN-12	BASE	9.50	82.37	84.00	41794	0.00	0.48	0.7	0.5
100YR1HR	BASIN-12	BASE	9.75	82.36	84.00	41049	0.00	0.48	0.7	0.5
100YR1HR	BASIN-12	BASE	10.00	82.35	84.00	40307	0.00	0.47	0.7	0.5
100YR1HR	BASIN-12	BASE	10.25	82.34	84.00	39562	0.00	0.46	0.7	0.5
100YR1HR	BASIN-12	BASE	10.50	82.33	84.00	38818	0.00	0.45	0.7	0.5
100YR1HR	BASIN-12	BASE	10.75	82.32	84.00	38074	0.00	0.44	0.7	0.5
100YR1HR	BASIN-12	BASE	11.00	82.31	84.00	37331	0.00	0.43	0.7	0.5
100YR1HR	BASIN-12	BASE	11.25	82.30	84.00	36586	0.00	0.42	0.7	0.5
100YR1HR	BASIN-12	BASE	11.50	82.29	84.00	35842	0.00	0.41	0.7	0.5
100YR1HR	BASIN-12	BASE	11.75	82.28	84.00	35099	0.00	0.41	0.7	0.5
100YR1HR	BASIN-12	BASE	12.00	82.27	84.00	34355	0.00	0.40	0.7	0.6
100YR1HR	BASIN-12	BASE	12.25	82.26	84.00	33611	0.00	0.39	0.7	0.6
100YR1HR	BASIN-12	BASE	12.50	82.25	84.00	32868	0.00	0.38	0.7	0.6
100YR1HR	BASIN-12	BASE	12.75	82.24	84.00	32123	0.00	0.37	0.7	0.6
100YR1HR	BASIN-12	BASE	13.00	82.23	84.00	31379	0.00	0.36	0.7	0.6
100YR1HR	BASIN-12	BASE	13.25	82.22	84.00	30636	0.00	0.35	0.7	0.6
100YR1HR	BASIN-12	BASE	13.50	82.21	84.00	29892	0.00	0.35	0.7	0.6
100YR1HR	BASIN-12	BASE	13.75	82.20	84.00	29148	0.00	0.34	0.7	0.6
100YR1HR	BASIN-12	BASE	14.00	82.19	84.00	28403	0.00	0.33	0.7	0.6
100YR1HR	BASIN-12	BASE	14.25	82.18	84.00	27660	0.00	0.32	0.7	0.6
100YR1HR	BASIN-12	BASE	14.50	82.17	84.00	26916	0.00	0.31	0.7	0.6
100YR1HR	BASIN-12	BASE	14.75	82.16	84.00	26172	0.00	0.30	0.7	0.6
100YR1HR	BASIN-12	BASE	15.00	82.15	84.00	25429	0.00	0.29	0.7	0.6
100YR1HR	BASIN-12	BASE	15.25	82.13	84.00	24685	0.00	0.29	0.7	0.6
100YR1HR	BASIN-12	BASE	15.50	82.12	84.00	23940	0.00	0.28	0.7	0.7
100YR1HR	BASIN-12	BASE	15.75	82.11	84.00	23197	0.00	0.27	0.7	0.7
100YR1HR	BASIN-12	BASE	16.00	82.10	84.00	22453	0.00	0.26	0.7	0.7
100YR1HR	BASIN-12	BASE	16.25	82.09	84.00	21709	0.00	0.25	0.7	0.7
100YR1HR	BASIN-12	BASE	16.50	82.08	84.00	20964	0.00	0.24	0.7	0.7
100YR1HR	BASIN-12	BASE	16.75	82.07	84.00	20222	0.00	0.23	0.7	0.7
100YR1HR	BASIN-12	BASE	17.00	82.06	84.00	19477	0.00	0.23	0.7	0.7
100YR1HR	BASIN-12	BASE	17.25	82.05	84.00	18733	0.00	0.22	0.7	0.7
100YR1HR	BASIN-12	BASE	17.50	82.04	84.00	17990	0.00	0.21	0.7	0.7
100YR1HR	BASIN-12	BASE	17.75	82.03	84.00	17246	0.00	0.20	0.7	0.7
100YR1HR	BASIN-12	BASE	18.00	82.02	84.00	16501	0.00	0.19	0.7	0.7
100YR1HR	BASIN-12	BASE	18.25	82.01	84.00	15759	0.00	0.18	0.7	0.7
100YR1HR	BASIN-12	BASE	18.50	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	18.75	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	19.00	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	19.25	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	19.50	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	19.75	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	20.00	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	20.25	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	20.50	82.00	84.00	15050	0.00	0.00	0.7	0.7
100YR1HR	BASIN-12	BASE	20.75	82.00	84.00	15050	0.00	0.00	0.7	0.7

100YR1HR BASIN 12 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-13	BASE	41.25	80.20	89.00	709	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	41.50	80.19	89.00	705	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	41.75	80.18	89.00	700	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	42.00	80.17	89.00	696	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	42.25	80.16	89.00	692	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	42.50	80.15	89.00	687	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	42.75	80.14	89.00	683	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	43.00	80.12	89.00	679	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	43.25	80.11	89.00	675	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	43.50	80.10	89.00	670	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	43.75	80.09	89.00	666	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	44.00	80.08	89.00	662	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	44.25	80.07	89.00	657	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	44.50	80.06	89.00	653	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	44.75	80.05	89.00	649	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	45.00	80.04	89.00	644	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	45.25	80.03	89.00	640	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	45.50	80.02	89.00	636	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	45.75	80.01	89.00	631	0.00	0.01	0.0	0.0
100YR1HR	BASIN-13	BASE	46.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	46.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	46.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	46.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	47.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	47.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	47.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	47.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	48.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	48.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	48.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	48.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	49.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	49.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	49.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	49.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	50.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	50.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	50.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	50.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	51.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	51.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	51.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	51.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	52.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	52.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	52.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	52.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	53.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	53.25	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	53.50	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	53.75	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	54.00	80.00	89.00	627	0.00	0.00	0.0	0.0
100YR1HR	BASIN-13	BASE	54.25	80.00	89.00	627	0.00	0.00	0.0	0.0

100YR1HR BASIN 13 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-14	BASE	48.25	75.32	84.00	604	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	48.50	75.31	84.00	588	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	48.75	75.30	84.00	572	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	49.00	75.29	84.00	556	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	49.25	75.28	84.00	540	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	49.50	75.27	84.00	525	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	49.75	75.26	84.00	509	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	50.00	75.25	84.00	493	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	50.25	75.24	84.00	477	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	50.50	75.23	84.00	461	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	50.75	75.22	84.00	445	0.00	0.01	0.1	0.1
100YR1HR	BASIN-14	BASE	51.00	75.21	84.00	429	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	51.25	75.20	84.00	413	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	51.50	75.19	84.00	397	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	51.75	75.18	84.00	381	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	52.00	75.17	84.00	365	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	52.25	75.16	84.00	349	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	52.50	75.15	84.00	333	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	52.75	75.14	84.00	317	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	53.00	75.13	84.00	302	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	53.25	75.12	84.00	286	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	53.50	75.11	84.00	270	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	53.75	75.09	84.00	254	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	54.00	75.08	84.00	238	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	54.25	75.07	84.00	222	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	54.50	75.06	84.00	206	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	54.75	75.05	84.00	190	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	55.00	75.04	84.00	174	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	55.25	75.03	84.00	158	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	55.50	75.02	84.00	142	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	55.75	75.01	84.00	126	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	56.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	56.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	56.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	56.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	57.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	57.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	57.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	57.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	58.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	58.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	58.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	58.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	59.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	59.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	59.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	59.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	60.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	60.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	60.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	60.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	61.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	61.25	75.00	84.00	113	0.00	0.00	0.1	0.1

100YR1HR BASIN 14 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-14	BASE	710.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	711.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	711.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	711.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	711.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	712.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	712.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	712.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	712.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	713.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	713.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	713.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	713.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	714.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	714.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	714.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	714.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	715.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	715.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	715.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	715.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	716.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	716.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	716.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	716.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	717.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	717.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	717.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	717.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	718.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	718.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	718.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	718.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	719.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	719.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	719.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	719.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	720.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	720.25	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	720.50	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	720.75	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	721.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-14	BASE	721.00	75.00	84.00	113	0.00	0.00	0.1	0.1
100YR1HR	BASIN-15	BASE	0.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR1HR	BASIN-15	BASE	0.25	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR1HR	BASIN-15	BASE	0.50	83.00	84.75	29686	0.05	0.05	0.0	0.0
100YR1HR	BASIN-15	BASE	0.75	83.00	84.75	29686	0.07	0.07	0.0	0.0
100YR1HR	BASIN-15	BASE	1.00	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR1HR	BASIN-15	BASE	1.25	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR1HR	BASIN-15	BASE	1.50	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR1HR	BASIN-15	BASE	1.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR1HR	BASIN-15	BASE	2.00	83.00	84.75	29686	0.00	0.00	0.0	0.0

100YR1HR BASIN 15 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-2	BASE	711.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	711.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	712.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	712.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	712.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	712.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	713.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	713.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	713.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	713.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	714.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	714.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	714.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	714.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	715.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	715.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	715.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	715.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	716.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	716.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	716.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	716.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	717.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	717.25	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	717.50	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	717.75	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	718.00	45.62	84.25	2009	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	718.25	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	718.50	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	718.75	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	719.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	719.25	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	719.50	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	719.75	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	720.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	720.25	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	720.50	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	720.75	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	721.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-2	BASE	721.00	45.62	84.25	2008	0.00	0.00	0.7	0.5
100YR1HR	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR1HR	BASIN-3	BASE	0.25	80.00	88.00	105807	1.69	1.22	0.0	0.0
100YR1HR	BASIN-3	BASE	0.50	80.08	88.00	111840	26.46	1.29	0.3	0.0
100YR1HR	BASIN-3	BASE	0.75	80.43	88.00	137544	69.72	1.59	1.3	0.1
100YR1HR	BASIN-3	BASE	1.00	80.85	88.00	168310	68.38	1.95	2.7	0.1
100YR1HR	BASIN-3	BASE	1.25	81.12	88.00	188768	46.10	2.18	3.9	0.1
100YR1HR	BASIN-3	BASE	1.50	81.29	88.00	200929	30.66	2.33	4.7	0.2
100YR1HR	BASIN-3	BASE	1.75	81.39	88.00	208523	21.37	2.41	5.2	0.2
100YR1HR	BASIN-3	BASE	2.00	81.46	88.00	213661	16.29	2.47	5.6	0.3
100YR1HR	BASIN-3	BASE	2.25	81.51	88.00	217324	12.49	2.52	5.9	0.3
100YR1HR	BASIN-3	BASE	2.50	81.54	88.00	219756	8.83	2.54	6.2	0.4
100YR1HR	BASIN-3	BASE	2.75	81.56	88.00	221128	5.50	2.56	6.3	0.5

100YR1HR BASIN 2 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-3	BASE	29.50	80.48	88.00	140942	0.00	1.63	6.5	5.1
100YR1HR	BASIN-3	BASE	29.75	80.47	88.00	140174	0.00	1.62	6.5	5.1
100YR1HR	BASIN-3	BASE	30.00	80.46	88.00	139404	0.00	1.61	6.5	5.2
100YR1HR	BASIN-3	BASE	30.25	80.44	88.00	138635	0.00	1.60	6.5	5.2
100YR1HR	BASIN-3	BASE	30.50	80.43	88.00	137865	0.00	1.60	6.5	5.2
100YR1HR	BASIN-3	BASE	30.75	80.42	88.00	137097	0.00	1.59	6.5	5.3
100YR1HR	BASIN-3	BASE	31.00	80.41	88.00	136327	0.00	1.58	6.5	5.3
100YR1HR	BASIN-3	BASE	31.25	80.40	88.00	135557	0.00	1.57	6.5	5.3
100YR1HR	BASIN-3	BASE	31.50	80.39	88.00	134789	0.00	1.56	6.5	5.4
100YR1HR	BASIN-3	BASE	31.75	80.38	88.00	134019	0.00	1.55	6.5	5.4
100YR1HR	BASIN-3	BASE	32.00	80.37	88.00	133249	0.00	1.54	6.5	5.4
100YR1HR	BASIN-3	BASE	32.25	80.36	88.00	132481	0.00	1.53	6.5	5.5
100YR1HR	BASIN-3	BASE	32.50	80.35	88.00	131711	0.00	1.52	6.5	5.5
100YR1HR	BASIN-3	BASE	32.75	80.34	88.00	130942	0.00	1.52	6.5	5.5
100YR1HR	BASIN-3	BASE	33.00	80.33	88.00	130172	0.00	1.51	6.5	5.6
100YR1HR	BASIN-3	BASE	33.25	80.32	88.00	129404	0.00	1.50	6.5	5.6
100YR1HR	BASIN-3	BASE	33.50	80.31	88.00	128634	0.00	1.49	6.5	5.6
100YR1HR	BASIN-3	BASE	33.75	80.30	88.00	127864	0.00	1.48	6.5	5.7
100YR1HR	BASIN-3	BASE	34.00	80.29	88.00	127096	0.00	1.47	6.5	5.7
100YR1HR	BASIN-3	BASE	34.25	80.28	88.00	126326	0.00	1.46	6.5	5.7
100YR1HR	BASIN-3	BASE	34.50	80.27	88.00	125556	0.00	1.45	6.5	5.7
100YR1HR	BASIN-3	BASE	34.75	80.26	88.00	124788	0.00	1.44	6.5	5.8
100YR1HR	BASIN-3	BASE	35.00	80.25	88.00	124018	0.00	1.44	6.5	5.8
100YR1HR	BASIN-3	BASE	35.25	80.24	88.00	123249	0.00	1.43	6.5	5.8
100YR1HR	BASIN-3	BASE	35.50	80.23	88.00	122479	0.00	1.42	6.5	5.9
100YR1HR	BASIN-3	BASE	35.75	80.22	88.00	121711	0.00	1.41	6.5	5.9
100YR1HR	BASIN-3	BASE	36.00	80.21	88.00	120941	0.00	1.40	6.5	5.9
100YR1HR	BASIN-3	BASE	36.25	80.19	88.00	120171	0.00	1.39	6.5	6.0
100YR1HR	BASIN-3	BASE	36.50	80.18	88.00	119403	0.00	1.38	6.5	6.0
100YR1HR	BASIN-3	BASE	36.75	80.17	88.00	118633	0.00	1.37	6.5	6.0
100YR1HR	BASIN-3	BASE	37.00	80.16	88.00	117863	0.00	1.36	6.5	6.0
100YR1HR	BASIN-3	BASE	37.25	80.15	88.00	117095	0.00	1.36	6.5	6.1
100YR1HR	BASIN-3	BASE	37.50	80.14	88.00	116325	0.00	1.35	6.5	6.1
100YR1HR	BASIN-3	BASE	37.75	80.13	88.00	115556	0.00	1.34	6.5	6.1
100YR1HR	BASIN-3	BASE	38.00	80.12	88.00	114787	0.00	1.33	6.5	6.1
100YR1HR	BASIN-3	BASE	38.25	80.11	88.00	114018	0.00	1.32	6.5	6.2
100YR1HR	BASIN-3	BASE	38.50	80.10	88.00	113248	0.00	1.31	6.5	6.2
100YR1HR	BASIN-3	BASE	38.75	80.09	88.00	112478	0.00	1.30	6.5	6.2
100YR1HR	BASIN-3	BASE	39.00	80.08	88.00	111710	0.00	1.29	6.5	6.3
100YR1HR	BASIN-3	BASE	39.25	80.07	88.00	110940	0.00	1.28	6.5	6.3
100YR1HR	BASIN-3	BASE	39.50	80.06	88.00	110171	0.00	1.28	6.5	6.3
100YR1HR	BASIN-3	BASE	39.75	80.05	88.00	109402	0.00	1.27	6.5	6.3
100YR1HR	BASIN-3	BASE	40.00	80.04	88.00	108633	0.00	1.26	6.5	6.4
100YR1HR	BASIN-3	BASE	40.25	80.03	88.00	107863	0.00	1.25	6.5	6.4
100YR1HR	BASIN-3	BASE	40.50	80.02	88.00	107095	0.00	1.24	6.5	6.4
100YR1HR	BASIN-3	BASE	40.75	80.01	88.00	106325	0.00	1.23	6.5	6.4
100YR1HR	BASIN-3	BASE	41.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	41.25	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	41.50	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	41.75	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	42.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	42.25	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	42.50	80.00	88.00	105790	0.00	0.00	6.5	6.5

100YR1HR BASIN 3 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-3	BASE	718.50	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	718.75	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	719.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	719.25	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	719.50	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	719.75	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	720.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	720.25	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	720.50	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	720.75	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	721.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-3	BASE	721.00	80.00	88.00	105790	0.00	0.00	6.5	6.5
100YR1HR	BASIN-4	BASE	0.00	85.00	87.00	195349	0.00	0.00	0.0	0.0
100YR1HR	BASIN-4	BASE	0.25	85.00	87.00	195349	0.42	0.41	0.0	0.0
100YR1HR	BASIN-4	BASE	0.50	85.01	87.00	195443	6.97	2.26	0.1	0.0
100YR1HR	BASIN-4	BASE	0.75	85.05	87.00	196363	17.55	2.27	0.3	0.1
100YR1HR	BASIN-4	BASE	1.00	85.12	87.00	197544	13.60	2.29	0.7	0.1
100YR1HR	BASIN-4	BASE	1.25	85.16	87.00	198251	8.18	2.29	0.9	0.2
100YR1HR	BASIN-4	BASE	1.50	85.18	87.00	198607	5.17	2.30	1.0	0.2
100YR1HR	BASIN-4	BASE	1.75	85.19	87.00	198782	3.68	2.30	1.1	0.3
100YR1HR	BASIN-4	BASE	2.00	85.19	87.00	198848	2.51	2.30	1.2	0.3
100YR1HR	BASIN-4	BASE	2.25	85.19	87.00	198820	1.45	2.30	1.2	0.4
100YR1HR	BASIN-4	BASE	2.50	85.18	87.00	198717	0.71	2.30	1.2	0.4
100YR1HR	BASIN-4	BASE	2.75	85.17	87.00	198560	0.19	2.30	1.2	0.5
100YR1HR	BASIN-4	BASE	3.00	85.16	87.00	198374	0.01	2.30	1.2	0.5
100YR1HR	BASIN-4	BASE	3.25	85.15	87.00	198181	0.00	2.29	1.2	0.6
100YR1HR	BASIN-4	BASE	3.50	85.14	87.00	197988	0.00	2.29	1.2	0.6
100YR1HR	BASIN-4	BASE	3.75	85.13	87.00	197795	0.00	2.29	1.2	0.6
100YR1HR	BASIN-4	BASE	4.00	85.12	87.00	197602	0.00	2.29	1.2	0.7
100YR1HR	BASIN-4	BASE	4.25	85.11	87.00	197409	0.00	2.28	1.2	0.7
100YR1HR	BASIN-4	BASE	4.50	85.10	87.00	197216	0.00	2.28	1.2	0.8
100YR1HR	BASIN-4	BASE	4.75	85.09	87.00	197023	0.00	2.28	1.2	0.8
100YR1HR	BASIN-4	BASE	5.00	85.08	87.00	196830	0.00	2.28	1.2	0.9
100YR1HR	BASIN-4	BASE	5.25	85.07	87.00	196637	0.00	2.28	1.2	0.9
100YR1HR	BASIN-4	BASE	5.50	85.06	87.00	196444	0.00	2.27	1.2	1.0
100YR1HR	BASIN-4	BASE	5.75	85.05	87.00	196251	0.00	2.27	1.2	1.0
100YR1HR	BASIN-4	BASE	6.00	85.04	87.00	196058	0.00	2.27	1.2	1.1
100YR1HR	BASIN-4	BASE	6.25	85.03	87.00	195865	0.00	2.27	1.2	1.1
100YR1HR	BASIN-4	BASE	6.50	85.02	87.00	195672	0.00	2.26	1.2	1.2
100YR1HR	BASIN-4	BASE	6.75	85.01	87.00	195479	0.00	2.26	1.2	1.2
100YR1HR	BASIN-4	BASE	7.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	7.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	7.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	7.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	8.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	8.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	8.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	8.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	9.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	9.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	9.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR1HR	BASIN-4	BASE	9.75	85.00	87.00	195349	0.00	0.00	1.2	1.2

100YR1HR BASIN 4 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-5	BASE	3.75	87.42	89.00	496500	2.55	5.75	6.3	1.6
100YR1HR	BASIN-5	BASE	4.00	87.42	89.00	496217	1.44	5.74	6.4	1.7
100YR1HR	BASIN-5	BASE	4.25	87.41	89.00	495851	0.42	5.74	6.4	1.8
100YR1HR	BASIN-5	BASE	4.50	87.40	89.00	495430	0.03	5.73	6.4	2.0
100YR1HR	BASIN-5	BASE	4.75	87.39	89.00	494996	0.00	5.73	6.4	2.1
100YR1HR	BASIN-5	BASE	5.00	87.38	89.00	494563	0.00	5.72	6.4	2.2
100YR1HR	BASIN-5	BASE	5.25	87.37	89.00	494128	0.00	5.72	6.4	2.3
100YR1HR	BASIN-5	BASE	5.50	87.35	89.00	493694	0.00	5.71	6.4	2.4
100YR1HR	BASIN-5	BASE	5.75	87.34	89.00	493259	0.00	5.71	6.4	2.6
100YR1HR	BASIN-5	BASE	6.00	87.33	89.00	492825	0.00	5.70	6.4	2.7
100YR1HR	BASIN-5	BASE	6.25	87.32	89.00	492391	0.00	5.70	6.4	2.8
100YR1HR	BASIN-5	BASE	6.50	87.31	89.00	491956	0.00	5.69	6.4	2.9
100YR1HR	BASIN-5	BASE	6.75	87.30	89.00	491523	0.00	5.69	6.4	3.0
100YR1HR	BASIN-5	BASE	7.00	87.29	89.00	491088	0.00	5.68	6.4	3.1
100YR1HR	BASIN-5	BASE	7.25	87.28	89.00	490654	0.00	5.68	6.4	3.3
100YR1HR	BASIN-5	BASE	7.50	87.27	89.00	490220	0.00	5.67	6.4	3.4
100YR1HR	BASIN-5	BASE	7.75	87.26	89.00	489785	0.00	5.67	6.4	3.5
100YR1HR	BASIN-5	BASE	8.00	87.25	89.00	489351	0.00	5.66	6.4	3.6
100YR1HR	BASIN-5	BASE	8.25	87.24	89.00	488916	0.00	5.66	6.4	3.7
100YR1HR	BASIN-5	BASE	8.50	87.23	89.00	488483	0.00	5.65	6.4	3.8
100YR1HR	BASIN-5	BASE	8.75	87.22	89.00	488048	0.00	5.65	6.4	4.0
100YR1HR	BASIN-5	BASE	9.00	87.21	89.00	487614	0.00	5.64	6.4	4.1
100YR1HR	BASIN-5	BASE	9.25	87.20	89.00	487180	0.00	5.64	6.4	4.2
100YR1HR	BASIN-5	BASE	9.50	87.19	89.00	486745	0.00	5.63	6.4	4.3
100YR1HR	BASIN-5	BASE	9.75	87.18	89.00	486311	0.00	5.63	6.4	4.4
100YR1HR	BASIN-5	BASE	10.00	87.17	89.00	485877	0.00	5.62	6.4	4.5
100YR1HR	BASIN-5	BASE	10.25	87.16	89.00	485443	0.00	5.62	6.4	4.7
100YR1HR	BASIN-5	BASE	10.50	87.15	89.00	485008	0.00	5.61	6.4	4.8
100YR1HR	BASIN-5	BASE	10.75	87.14	89.00	484573	0.00	5.61	6.4	4.9
100YR1HR	BASIN-5	BASE	11.00	87.13	89.00	484140	0.00	5.60	6.4	5.0
100YR1HR	BASIN-5	BASE	11.25	87.12	89.00	483705	0.00	5.60	6.4	5.1
100YR1HR	BASIN-5	BASE	11.50	87.10	89.00	483271	0.00	5.59	6.4	5.2
100YR1HR	BASIN-5	BASE	11.75	87.09	89.00	482837	0.00	5.59	6.4	5.4
100YR1HR	BASIN-5	BASE	12.00	87.08	89.00	482402	0.00	5.58	6.4	5.5
100YR1HR	BASIN-5	BASE	12.25	87.07	89.00	481968	0.00	5.58	6.4	5.6
100YR1HR	BASIN-5	BASE	12.50	87.06	89.00	481534	0.00	5.57	6.4	5.7
100YR1HR	BASIN-5	BASE	12.75	87.05	89.00	481100	0.00	5.57	6.4	5.8
100YR1HR	BASIN-5	BASE	13.00	87.04	89.00	480665	0.00	5.56	6.4	5.9
100YR1HR	BASIN-5	BASE	13.25	87.03	89.00	480231	0.00	5.56	6.4	6.0
100YR1HR	BASIN-5	BASE	13.50	87.02	89.00	479797	0.00	5.55	6.4	6.2
100YR1HR	BASIN-5	BASE	13.75	87.01	89.00	479362	0.00	5.55	6.4	6.3
100YR1HR	BASIN-5	BASE	14.00	87.00	89.00	478928	0.00	5.54	6.4	6.4
100YR1HR	BASIN-5	BASE	14.25	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	14.50	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	14.75	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	15.00	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	15.25	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	15.50	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	15.75	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	16.00	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	16.25	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	16.50	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	16.75	87.00	89.00	478907	0.00	0.00	6.4	6.4

100YR1HR BASIN 5 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-5	BASE	719.25	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	719.50	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	719.75	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	720.00	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	720.25	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	720.50	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	720.75	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	721.00	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-5	BASE	721.00	87.00	89.00	478907	0.00	0.00	6.4	6.4
100YR1HR	BASIN-6	BASE	0.00	85.00	87.00	383023	0.00	0.00	0.0	0.0
100YR1HR	BASIN-6	BASE	0.25	85.00	87.00	383023	0.76	0.76	0.0	0.0
100YR1HR	BASIN-6	BASE	0.50	85.00	87.00	383102	10.23	4.43	0.1	0.1
100YR1HR	BASIN-6	BASE	0.75	85.03	87.00	383858	21.70	4.44	0.5	0.2
100YR1HR	BASIN-6	BASE	1.00	85.07	87.00	384893	19.30	4.45	0.9	0.2
100YR1HR	BASIN-6	BASE	1.25	85.10	87.00	385572	12.20	4.46	1.2	0.3
100YR1HR	BASIN-6	BASE	1.50	85.11	87.00	385898	7.82	4.47	1.4	0.4
100YR1HR	BASIN-6	BASE	1.75	85.12	87.00	386027	5.52	4.47	1.5	0.5
100YR1HR	BASIN-6	BASE	2.00	85.12	87.00	386044	4.02	4.47	1.6	0.6
100YR1HR	BASIN-6	BASE	2.25	85.11	87.00	385974	2.65	4.47	1.7	0.7
100YR1HR	BASIN-6	BASE	2.50	85.11	87.00	385830	1.53	4.47	1.8	0.8
100YR1HR	BASIN-6	BASE	2.75	85.10	87.00	385625	0.71	4.46	1.8	0.9
100YR1HR	BASIN-6	BASE	3.00	85.09	87.00	385379	0.18	4.46	1.8	1.0
100YR1HR	BASIN-6	BASE	3.25	85.08	87.00	385111	0.01	4.46	1.8	1.1
100YR1HR	BASIN-6	BASE	3.50	85.07	87.00	384840	0.00	4.45	1.8	1.2
100YR1HR	BASIN-6	BASE	3.75	85.06	87.00	384568	0.00	4.45	1.8	1.3
100YR1HR	BASIN-6	BASE	4.00	85.05	87.00	384296	0.00	4.45	1.8	1.4
100YR1HR	BASIN-6	BASE	4.25	85.04	87.00	384024	0.00	4.44	1.8	1.4
100YR1HR	BASIN-6	BASE	4.50	85.03	87.00	383752	0.00	4.44	1.8	1.5
100YR1HR	BASIN-6	BASE	4.75	85.02	87.00	383480	0.00	4.44	1.8	1.6
100YR1HR	BASIN-6	BASE	5.00	85.01	87.00	383209	0.00	4.44	1.8	1.7
100YR1HR	BASIN-6	BASE	5.25	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	5.50	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	5.75	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	6.00	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	6.25	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	6.50	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	6.75	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	7.00	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	7.25	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	7.50	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	7.75	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	8.00	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	8.25	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	8.50	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	8.75	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	9.00	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	9.25	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	9.50	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	9.75	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	10.00	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	10.25	85.00	87.00	383023	0.00	0.00	1.8	1.8
100YR1HR	BASIN-6	BASE	10.50	85.00	87.00	383023	0.00	0.00	1.8	1.8

100YR1HR BASIN 6 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-7	BASE	4.50	78.16	80.00	314545	0.00	3.64	2.4	1.3
100YR1HR	BASIN-7	BASE	4.75	78.15	80.00	314313	0.00	3.64	2.4	1.3
100YR1HR	BASIN-7	BASE	5.00	78.14	80.00	314081	0.00	3.64	2.4	1.4
100YR1HR	BASIN-7	BASE	5.25	78.13	80.00	313849	0.00	3.63	2.4	1.5
100YR1HR	BASIN-7	BASE	5.50	78.12	80.00	313616	0.00	3.63	2.4	1.6
100YR1HR	BASIN-7	BASE	5.75	78.11	80.00	313384	0.00	3.63	2.4	1.6
100YR1HR	BASIN-7	BASE	6.00	78.10	80.00	313152	0.00	3.62	2.4	1.7
100YR1HR	BASIN-7	BASE	6.25	78.09	80.00	312920	0.00	3.62	2.4	1.8
100YR1HR	BASIN-7	BASE	6.50	78.08	80.00	312688	0.00	3.62	2.4	1.9
100YR1HR	BASIN-7	BASE	6.75	78.07	80.00	312456	0.00	3.62	2.4	1.9
100YR1HR	BASIN-7	BASE	7.00	78.06	80.00	312223	0.00	3.61	2.4	2.0
100YR1HR	BASIN-7	BASE	7.25	78.05	80.00	311991	0.00	3.61	2.4	2.1
100YR1HR	BASIN-7	BASE	7.50	78.04	80.00	311759	0.00	3.61	2.4	2.2
100YR1HR	BASIN-7	BASE	7.75	78.02	80.00	311527	0.00	3.61	2.4	2.2
100YR1HR	BASIN-7	BASE	8.00	78.01	80.00	311295	0.00	3.60	2.4	2.3
100YR1HR	BASIN-7	BASE	8.25	78.00	80.00	311062	0.00	3.60	2.4	2.4
100YR1HR	BASIN-7	BASE	8.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	8.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	9.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	9.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	9.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	9.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	10.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	10.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	10.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	10.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	11.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	11.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	11.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	11.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	12.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	12.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	12.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	12.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	13.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	13.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	13.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	13.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	14.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	14.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	14.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	14.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	15.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	15.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	15.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	15.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	16.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	16.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	16.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	16.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	17.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	17.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	17.50	78.00	80.00	310970	0.00	0.00	2.4	2.4

100YR1HR BASIN 7 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-7	BASE	720.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	720.25	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	720.50	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	720.75	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	721.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-7	BASE	721.00	78.00	80.00	310970	0.00	0.00	2.4	2.4
100YR1HR	BASIN-8	BASE	0.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
100YR1HR	BASIN-8	BASE	0.25	86.00	87.00	26704	0.20	0.20	0.0	0.0
100YR1HR	BASIN-8	BASE	0.50	86.01	87.00	27032	2.03	1.30	0.0	0.0
100YR1HR	BASIN-8	BASE	0.75	86.04	87.00	28134	3.26	2.39	0.1	0.1
100YR1HR	BASIN-8	BASE	1.00	86.05	87.00	28464	2.30	2.62	0.1	0.1
100YR1HR	BASIN-8	BASE	1.25	86.03	87.00	27714	1.27	2.06	0.2	0.2
100YR1HR	BASIN-8	BASE	1.50	86.01	87.00	26968	0.78	1.20	0.2	0.2
100YR1HR	BASIN-8	BASE	1.75	86.00	87.00	26716	0.45	0.50	0.2	0.2
100YR1HR	BASIN-8	BASE	2.00	86.00	87.00	26706	0.20	0.20	0.2	0.2
100YR1HR	BASIN-8	BASE	2.25	86.00	87.00	26704	0.05	0.06	0.2	0.2
100YR1HR	BASIN-8	BASE	2.50	86.00	87.00	115	0.01	-0.61	0.2	0.2
100YR1HR	BASIN-8	BASE	2.75	86.00	87.00	115	0.00	-0.62	0.2	0.2
100YR1HR	BASIN-8	BASE	3.00	86.00	87.00	115	0.00	-0.62	0.2	0.2
100YR1HR	BASIN-8	BASE	3.25	86.00	87.00	115	0.00	-0.62	0.2	0.2
100YR1HR	BASIN-8	BASE	3.50	86.00	87.00	115	0.00	-0.62	0.2	0.2
100YR1HR	BASIN-8	BASE	3.75	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	4.00	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	4.25	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	4.50	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	4.75	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	5.00	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	5.25	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	5.50	86.00	87.00	115	0.00	-0.62	0.2	0.1
100YR1HR	BASIN-8	BASE	5.75	86.00	87.00	115	0.00	-0.62	0.2	0.0
100YR1HR	BASIN-8	BASE	6.00	86.00	87.00	115	0.00	-0.62	0.2	0.0
100YR1HR	BASIN-8	BASE	6.25	86.00	87.00	115	0.00	-0.62	0.2	0.0
100YR1HR	BASIN-8	BASE	6.50	86.00	87.00	115	0.00	-0.62	0.2	0.0
100YR1HR	BASIN-8	BASE	6.75	86.00	87.00	115	0.00	-0.62	0.2	-0.0
100YR1HR	BASIN-8	BASE	7.00	86.00	87.00	115	0.00	-0.62	0.2	-0.0
100YR1HR	BASIN-8	BASE	7.25	86.00	87.00	115	0.00	-0.62	0.2	-0.0
100YR1HR	BASIN-8	BASE	7.50	86.00	87.00	115	0.00	-0.62	0.2	-0.0
100YR1HR	BASIN-8	BASE	7.75	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	8.00	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	8.25	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	8.50	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	8.75	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	9.00	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	9.25	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	9.50	86.00	87.00	115	0.00	-0.62	0.2	-0.1
100YR1HR	BASIN-8	BASE	9.75	86.00	87.00	115	0.00	-0.62	0.2	-0.2
100YR1HR	BASIN-8	BASE	10.00	86.00	87.00	115	0.00	-0.62	0.2	-0.2
100YR1HR	BASIN-8	BASE	10.25	86.00	87.00	115	0.00	-0.62	0.2	-0.2
100YR1HR	BASIN-8	BASE	10.50	86.00	87.00	115	0.00	-0.62	0.2	-0.2
100YR1HR	BASIN-8	BASE	10.75	86.00	87.00	115	0.00	-0.62	0.2	-0.2
100YR1HR	BASIN-8	BASE	11.00	86.00	87.00	115	0.00	-0.62	0.2	-0.2
100YR1HR	BASIN-8	BASE	11.25	86.00	87.00	115	0.00	-0.62	0.2	-0.2

100YR1HR BASIN 8 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR1HR	BASIN-9	BASE	5.25	77.04	79.75	152546	0.00	1.77	0.9	0.7
100YR1HR	BASIN-9	BASE	5.50	77.03	79.75	152389	0.00	1.76	0.9	0.8
100YR1HR	BASIN-9	BASE	5.75	77.02	79.75	152233	0.00	1.76	0.9	0.8
100YR1HR	BASIN-9	BASE	6.00	77.00	79.75	152077	0.00	1.76	0.9	0.8
100YR1HR	BASIN-9	BASE	6.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	6.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	6.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	7.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	7.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	7.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	7.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	8.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	8.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	8.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	8.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	9.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	9.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	9.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	9.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	10.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	10.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	10.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	10.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	11.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	11.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	11.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	11.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	12.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	12.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	12.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	12.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	13.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	13.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	13.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	13.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	14.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	14.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	14.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	14.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	15.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	15.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	15.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	15.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	16.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	16.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	16.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	16.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	17.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	17.25	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	17.50	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	17.75	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	18.00	77.00	79.75	152007	0.00	0.00	0.9	0.9
100YR1HR	BASIN-9	BASE	18.25	77.00	79.75	152007	0.00	0.00	0.9	0.9

100YR1HR BASIN 9 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-1	BASE	52.67	84.12	86.00	5968	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	52.75	84.11	86.00	5933	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	52.83	84.11	86.00	5899	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	52.92	84.11	86.00	5865	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.00	84.10	86.00	5831	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.08	84.10	86.00	5797	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.17	84.09	86.00	5762	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.25	84.09	86.00	5728	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.33	84.09	86.00	5694	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.42	84.08	86.00	5660	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.50	84.08	86.00	5626	0.00	0.07	0.6	0.6
100YR24HR	BASIN-1	BASE	53.58	84.08	86.00	5592	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	53.67	84.07	86.00	5557	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	53.75	84.07	86.00	5523	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	53.83	84.07	86.00	5489	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	53.92	84.06	86.00	5455	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.00	84.06	86.00	5421	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.08	84.06	86.00	5387	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.17	84.05	86.00	5353	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.25	84.05	86.00	5318	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.33	84.05	86.00	5284	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.42	84.04	86.00	5250	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.50	84.04	86.00	5216	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.58	84.04	86.00	5182	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.67	84.03	86.00	5147	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.75	84.03	86.00	5113	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.83	84.03	86.00	5079	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	54.92	84.02	86.00	5045	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.00	84.02	86.00	5011	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.08	84.01	86.00	4977	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.17	84.01	86.00	4943	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.25	84.01	86.00	4908	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.33	84.00	86.00	4874	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.42	84.00	86.00	4840	0.00	0.06	0.6	0.6
100YR24HR	BASIN-1	BASE	55.50	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	55.58	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	55.67	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	55.75	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	55.83	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	55.92	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.00	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.08	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.17	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.25	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.33	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.42	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.50	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.58	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.67	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.75	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.83	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	56.92	84.00	86.00	4831	0.00	0.00	0.6	0.6
100YR24HR	BASIN-1	BASE	57.00	84.00	86.00	4831	0.00	0.00	0.6	0.6

100YR24HR BASIN-1 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-10	BASE	116.83	72.07	79.00	12297	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	116.92	72.07	79.00	12205	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	117.00	72.06	79.00	12113	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	117.08	72.06	79.00	12021	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	117.17	72.06	79.00	11930	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	117.25	72.05	79.00	11838	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	117.33	72.05	79.00	11746	0.00	0.14	11.9	11.9
100YR24HR	BASIN-10	BASE	117.42	72.05	79.00	11654	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	117.50	72.04	79.00	11562	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	117.58	72.04	79.00	11470	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	117.67	72.04	79.00	11379	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	117.75	72.03	79.00	11287	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	117.83	72.03	79.00	11195	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	117.92	72.03	79.00	11103	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	118.00	72.02	79.00	11011	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	118.08	72.02	79.00	10919	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	118.17	72.02	79.00	10827	0.00	0.13	11.9	11.9
100YR24HR	BASIN-10	BASE	118.25	72.01	79.00	10735	0.00	0.12	11.9	11.9
100YR24HR	BASIN-10	BASE	118.33	72.01	79.00	10643	0.00	0.12	11.9	11.9
100YR24HR	BASIN-10	BASE	118.42	72.01	79.00	10551	0.00	0.12	11.9	11.9
100YR24HR	BASIN-10	BASE	118.50	72.00	79.00	10460	0.00	0.12	11.9	11.9
100YR24HR	BASIN-10	BASE	118.58	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	118.67	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	118.75	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	118.83	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	118.92	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.00	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.08	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.17	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.25	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.33	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.42	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.50	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.58	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.67	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.75	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.83	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	119.92	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.00	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.08	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.17	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.25	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.33	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.42	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.50	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.58	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.67	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.75	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.83	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	120.92	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	121.00	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	121.08	72.00	79.00	10411	0.00	0.00	11.9	11.9
100YR24HR	BASIN-10	BASE	121.17	72.00	79.00	10411	0.00	0.00	11.9	11.9

100YR24HR BASIN 10 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-11	BASE	66.17	81.03	84.00	2219	0.00	0.03	0.4	0.4
100YR24HR	BASIN-11	BASE	66.25	81.02	84.00	2197	0.00	0.03	0.4	0.4
100YR24HR	BASIN-11	BASE	66.33	81.02	84.00	2175	0.00	0.03	0.4	0.4
100YR24HR	BASIN-11	BASE	66.42	81.02	84.00	2153	0.00	0.02	0.4	0.4
100YR24HR	BASIN-11	BASE	66.50	81.01	84.00	2132	0.00	0.02	0.4	0.4
100YR24HR	BASIN-11	BASE	66.58	81.01	84.00	2110	0.00	0.02	0.4	0.4
100YR24HR	BASIN-11	BASE	66.67	81.01	84.00	2088	0.00	0.02	0.4	0.4
100YR24HR	BASIN-11	BASE	66.75	81.00	84.00	2066	0.00	0.02	0.4	0.4
100YR24HR	BASIN-11	BASE	66.83	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	66.92	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.00	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.08	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.17	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.25	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.33	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.42	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.50	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.58	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.67	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.75	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.83	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	67.92	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.00	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.08	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.17	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.25	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.33	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.42	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.50	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.58	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.67	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.75	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.83	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	68.92	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.00	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.08	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.17	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.25	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.33	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.42	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.50	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.58	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.67	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.75	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.83	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	69.92	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.00	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.08	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.17	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.25	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.33	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.42	81.00	84.00	2056	0.00	0.00	0.4	0.4
100YR24HR	BASIN-11	BASE	70.50	81.00	84.00	2056	0.00	0.00	0.4	0.4

100YR24HR BASIN 11 POST RECOVERY

100YR24HR BASIN 12 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-12	BASE	46.42	82.01	84.00	15652	0.00	0.18	2.3	2.3
100YR24HR	BASIN-12	BASE	46.50	82.00	84.00	15404	0.00	0.18	2.3	2.3
100YR24HR	BASIN-12	BASE	46.58	82.00	84.00	15156	0.00	0.18	2.3	2.3
100YR24HR	BASIN-12	BASE	46.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	46.75	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	46.83	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	46.92	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.00	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.08	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.17	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.25	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.33	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.42	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.50	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.58	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.75	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.83	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	47.92	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.00	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.08	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.17	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.25	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.33	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.42	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.50	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.58	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.75	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.83	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	48.92	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.00	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.08	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.17	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.25	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.33	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.42	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.50	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.58	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.75	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.83	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	49.92	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.00	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.08	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.17	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.25	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.33	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.42	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.50	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.58	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.67	82.00	84.00	15050	0.00	0.00	2.3	2.3
100YR24HR	BASIN-12	BASE	50.75	82.00	84.00	15050	0.00	0.00	2.3	2.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-13	BASE	238.67	80.03	89.00	641	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	238.75	80.03	89.00	640	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	238.83	80.03	89.00	638	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	238.92	80.02	89.00	637	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.00	80.02	89.00	635	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.08	80.02	89.00	634	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.17	80.01	89.00	632	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.25	80.01	89.00	631	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.33	80.01	89.00	629	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.42	80.00	89.00	628	0.00	0.01	1.5	1.5
100YR24HR	BASIN-13	BASE	239.50	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	239.58	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	239.67	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	239.75	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	239.83	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	239.92	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.00	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.08	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.17	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.25	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.33	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.42	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.50	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.58	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.67	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.75	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.83	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	240.92	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.00	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.08	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.17	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.25	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.33	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.42	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.50	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.58	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.67	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.75	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.83	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	241.92	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.00	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.08	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.17	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.25	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.33	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.42	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.50	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.58	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.67	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.75	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.83	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	242.92	80.00	89.00	627	0.00	0.00	1.5	1.5
100YR24HR	BASIN-13	BASE	243.00	80.00	89.00	627	0.00	0.00	1.5	1.5

100YR24HR BASIN 13 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-14	BASE	90.83	75.09	84.00	239	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	90.92	75.08	84.00	234	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.00	75.08	84.00	228	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.08	75.07	84.00	223	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.17	75.07	84.00	218	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.25	75.07	84.00	212	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.33	75.06	84.00	207	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.42	75.06	84.00	202	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.50	75.06	84.00	196	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.58	75.05	84.00	191	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.67	75.05	84.00	186	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.75	75.05	84.00	181	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.83	75.04	84.00	175	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	91.92	75.04	84.00	170	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.00	75.04	84.00	165	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.08	75.03	84.00	159	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.17	75.03	84.00	154	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.25	75.03	84.00	149	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.33	75.02	84.00	143	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.42	75.02	84.00	138	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.50	75.02	84.00	133	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.58	75.01	84.00	127	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.67	75.01	84.00	122	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.75	75.01	84.00	117	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	92.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.17	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.25	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.33	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.42	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.50	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.58	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.67	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.75	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	93.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.17	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.25	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.33	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.42	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.50	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.58	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.67	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.75	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.83	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	94.92	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	95.00	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	95.08	75.00	84.00	113	0.00	0.00	0.3	0.3
100YR24HR	BASIN-14	BASE	95.17	75.00	84.00	113	0.00	0.00	0.3	0.3

100YR24HR BASIN 14 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-15	BASE	49.00	83.07	84.75	4977	0.00	0.06	1.0	1.0
100YR24HR	BASIN-15	BASE	49.08	83.07	84.75	4794	0.00	0.06	1.0	1.0
100YR24HR	BASIN-15	BASE	49.17	83.06	84.75	4611	0.00	0.05	1.0	1.0
100YR24HR	BASIN-15	BASE	49.25	83.06	84.75	4429	0.00	0.05	1.0	1.0
100YR24HR	BASIN-15	BASE	49.33	83.05	84.75	4246	0.00	0.05	1.0	1.0
100YR24HR	BASIN-15	BASE	49.42	83.05	84.75	4063	0.00	0.05	1.0	1.0
100YR24HR	BASIN-15	BASE	49.50	83.05	84.75	3880	0.00	0.04	1.0	1.0
100YR24HR	BASIN-15	BASE	49.58	83.04	84.75	3697	0.00	0.04	1.0	1.0
100YR24HR	BASIN-15	BASE	49.67	83.04	84.75	3513	0.00	0.04	1.0	1.0
100YR24HR	BASIN-15	BASE	49.75	83.04	84.75	3330	0.00	0.04	1.0	1.0
100YR24HR	BASIN-15	BASE	49.83	83.03	84.75	3147	0.00	0.04	1.0	1.0
100YR24HR	BASIN-15	BASE	49.92	83.03	84.75	2964	0.00	0.03	1.0	1.0
100YR24HR	BASIN-15	BASE	50.00	83.03	84.75	2781	0.00	0.03	1.0	1.0
100YR24HR	BASIN-15	BASE	50.08	83.02	84.75	2599	0.00	0.03	1.0	1.0
100YR24HR	BASIN-15	BASE	50.17	83.02	84.75	2416	0.00	0.03	1.0	1.0
100YR24HR	BASIN-15	BASE	50.25	83.02	84.75	2233	0.00	0.03	1.0	1.0
100YR24HR	BASIN-15	BASE	50.33	83.01	84.75	2050	0.00	0.02	1.0	1.0
100YR24HR	BASIN-15	BASE	50.42	83.01	84.75	1866	0.00	0.02	1.0	1.0
100YR24HR	BASIN-15	BASE	50.50	83.01	84.75	1683	0.00	0.02	1.0	1.0
100YR24HR	BASIN-15	BASE	50.58	83.00	84.75	1500	0.00	0.02	1.0	1.0
100YR24HR	BASIN-15	BASE	50.67	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	50.75	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	50.83	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	50.92	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.00	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.08	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.17	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.25	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.33	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.42	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.50	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.58	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.67	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.75	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.83	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	51.92	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.00	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.08	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.17	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.25	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.33	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.42	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.50	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.58	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.67	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.75	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.83	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	52.92	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	53.00	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	53.08	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	53.17	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	53.25	83.00	84.75	1350	0.00	0.00	1.0	1.0
100YR24HR	BASIN-15	BASE	53.33	83.00	84.75	1350	0.00	0.00	1.0	1.0

100YR24HR BASIN 15 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-2	BASE	733.25	50.31	84.25	3309	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	733.50	50.31	84.25	3309	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	733.75	50.31	84.25	3309	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	734.00	50.31	84.25	3309	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	734.25	50.31	84.25	3309	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	734.50	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	734.75	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	735.00	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	735.25	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	735.50	50.31	84.25	3308	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	735.75	50.31	84.25	3307	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	736.00	50.31	84.25	3307	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	736.25	50.30	84.25	3307	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	736.50	50.30	84.25	3307	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	736.75	50.30	84.25	3307	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	737.00	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	737.25	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	737.50	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	737.75	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	738.00	50.30	84.25	3306	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	738.25	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	738.50	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	738.75	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	739.00	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	739.25	50.30	84.25	3305	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	739.50	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	739.75	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	740.00	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	740.25	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	740.50	50.29	84.25	3304	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	740.75	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	741.00	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	741.25	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	741.50	50.29	84.25	3303	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	741.75	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	742.00	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	742.25	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	742.50	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	742.75	50.29	84.25	3302	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	743.00	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	743.25	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	743.50	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	743.75	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR24HR	BASIN-2	BASE	744.00	50.28	84.25	3301	0.00	0.00	4.7	4.3
100YR24HR	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.08	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.17	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.25	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.33	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.42	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.50	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR24HR	BASIN-3	BASE	0.58	80.00	88.00	105790	0.00	0.00	0.0	0.0

100YR24HR BASIN 2 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-3	BASE	102.25	80.01	88.00	106784	0.00	1.24	22.0	22.0
100YR24HR	BASIN-3	BASE	102.33	80.01	88.00	106527	0.00	1.23	22.0	22.0
100YR24HR	BASIN-3	BASE	102.42	80.01	88.00	106271	0.00	1.23	22.0	22.0
100YR24HR	BASIN-3	BASE	102.50	80.00	88.00	106014	0.00	1.23	22.0	22.0
100YR24HR	BASIN-3	BASE	102.58	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	102.67	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	102.75	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	102.83	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	102.92	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.00	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.08	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.17	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.25	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.33	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.42	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.50	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.58	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.67	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.75	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.83	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	103.92	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.00	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.08	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.17	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.25	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.33	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.42	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.50	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.58	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.67	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.75	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.83	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	104.92	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.00	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.08	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.17	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.25	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.33	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.42	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.50	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.58	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.67	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.75	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.83	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	105.92	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.00	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.08	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.17	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.25	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.33	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.42	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.50	80.00	88.00	105790	0.00	0.00	22.0	22.0
100YR24HR	BASIN-3	BASE	106.58	80.00	88.00	105790	0.00	0.00	22.0	22.0

100YR24HR BASIN 3 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-4	BASE	29.50	85.17	87.00	198554	0.00	2.30	4.6	3.8
100YR24HR	BASIN-4	BASE	29.58	85.17	87.00	198489	0.00	2.30	4.6	3.9
100YR24HR	BASIN-4	BASE	29.67	85.17	87.00	198425	0.00	2.30	4.6	3.9
100YR24HR	BASIN-4	BASE	29.75	85.16	87.00	198361	0.00	2.30	4.6	3.9
100YR24HR	BASIN-4	BASE	29.83	85.16	87.00	198296	0.00	2.30	4.6	3.9
100YR24HR	BASIN-4	BASE	29.92	85.16	87.00	198232	0.00	2.29	4.6	3.9
100YR24HR	BASIN-4	BASE	30.00	85.15	87.00	198168	0.00	2.29	4.6	3.9
100YR24HR	BASIN-4	BASE	30.08	85.15	87.00	198103	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.17	85.15	87.00	198039	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.25	85.14	87.00	197975	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.33	85.14	87.00	197911	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.42	85.13	87.00	197846	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.50	85.13	87.00	197782	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.58	85.13	87.00	197717	0.00	2.29	4.6	4.0
100YR24HR	BASIN-4	BASE	30.67	85.12	87.00	197653	0.00	2.29	4.6	4.1
100YR24HR	BASIN-4	BASE	30.75	85.12	87.00	197589	0.00	2.29	4.6	4.1
100YR24HR	BASIN-4	BASE	30.83	85.12	87.00	197524	0.00	2.29	4.6	4.1
100YR24HR	BASIN-4	BASE	30.92	85.11	87.00	197460	0.00	2.29	4.6	4.1
100YR24HR	BASIN-4	BASE	31.00	85.11	87.00	197396	0.00	2.28	4.6	4.1
100YR24HR	BASIN-4	BASE	31.08	85.11	87.00	197332	0.00	2.28	4.6	4.1
100YR24HR	BASIN-4	BASE	31.17	85.10	87.00	197267	0.00	2.28	4.6	4.2
100YR24HR	BASIN-4	BASE	31.25	85.10	87.00	197203	0.00	2.28	4.6	4.2
100YR24HR	BASIN-4	BASE	31.33	85.10	87.00	197139	0.00	2.28	4.6	4.2
100YR24HR	BASIN-4	BASE	31.42	85.09	87.00	197074	0.00	2.28	4.6	4.2
100YR24HR	BASIN-4	BASE	31.50	85.09	87.00	197010	0.00	2.28	4.6	4.2
100YR24HR	BASIN-4	BASE	31.58	85.09	87.00	196945	0.00	2.28	4.6	4.2
100YR24HR	BASIN-4	BASE	31.67	85.08	87.00	196881	0.00	2.28	4.6	4.3
100YR24HR	BASIN-4	BASE	31.75	85.08	87.00	196817	0.00	2.28	4.6	4.3
100YR24HR	BASIN-4	BASE	31.83	85.08	87.00	196752	0.00	2.28	4.6	4.3
100YR24HR	BASIN-4	BASE	31.92	85.07	87.00	196688	0.00	2.28	4.6	4.3
100YR24HR	BASIN-4	BASE	32.00	85.07	87.00	196624	0.00	2.28	4.6	4.3
100YR24HR	BASIN-4	BASE	32.08	85.07	87.00	196560	0.00	2.27	4.6	4.3
100YR24HR	BASIN-4	BASE	32.17	85.06	87.00	196495	0.00	2.27	4.6	4.3
100YR24HR	BASIN-4	BASE	32.25	85.06	87.00	196431	0.00	2.27	4.6	4.4
100YR24HR	BASIN-4	BASE	32.33	85.05	87.00	196367	0.00	2.27	4.6	4.4
100YR24HR	BASIN-4	BASE	32.42	85.05	87.00	196302	0.00	2.27	4.6	4.4
100YR24HR	BASIN-4	BASE	32.50	85.05	87.00	196238	0.00	2.27	4.6	4.4
100YR24HR	BASIN-4	BASE	32.58	85.04	87.00	196173	0.00	2.27	4.6	4.4
100YR24HR	BASIN-4	BASE	32.67	85.04	87.00	196109	0.00	2.27	4.6	4.4
100YR24HR	BASIN-4	BASE	32.75	85.04	87.00	196045	0.00	2.27	4.6	4.5
100YR24HR	BASIN-4	BASE	32.83	85.03	87.00	195981	0.00	2.27	4.6	4.5
100YR24HR	BASIN-4	BASE	32.92	85.03	87.00	195916	0.00	2.27	4.6	4.5
100YR24HR	BASIN-4	BASE	33.00	85.03	87.00	195852	0.00	2.27	4.6	4.5
100YR24HR	BASIN-4	BASE	33.08	85.02	87.00	195788	0.00	2.27	4.6	4.5
100YR24HR	BASIN-4	BASE	33.17	85.02	87.00	195723	0.00	2.27	4.6	4.5
100YR24HR	BASIN-4	BASE	33.25	85.02	87.00	195659	0.00	2.26	4.6	4.6
100YR24HR	BASIN-4	BASE	33.33	85.01	87.00	195595	0.00	2.26	4.6	4.6
100YR24HR	BASIN-4	BASE	33.42	85.01	87.00	195530	0.00	2.26	4.6	4.6
100YR24HR	BASIN-4	BASE	33.50	85.01	87.00	195466	0.00	2.26	4.6	4.6
100YR24HR	BASIN-4	BASE	33.58	85.00	87.00	195402	0.00	2.26	4.6	4.6
100YR24HR	BASIN-4	BASE	33.67	85.00	87.00	195349	0.00	0.00	4.6	4.6
100YR24HR	BASIN-4	BASE	33.75	85.00	87.00	195349	0.00	0.00	4.6	4.6
100YR24HR	BASIN-4	BASE	33.83	85.00	87.00	195349	0.00	0.00	4.6	4.6

100YR24HR BASIN 4 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-5	BASE	23.00	87.99	89.00	520216	9.27	6.02	20.8	9.4
100YR24HR	BASIN-5	BASE	23.08	87.99	89.00	520289	8.98	6.02	20.8	9.5
100YR24HR	BASIN-5	BASE	23.17	87.99	89.00	520359	8.70	6.02	20.9	9.5
100YR24HR	BASIN-5	BASE	23.25	88.00	89.00	520420	8.46	6.02	21.0	9.5
100YR24HR	BASIN-5	BASE	23.34	88.00	89.00	520476	8.22	6.02	21.0	9.6
100YR24HR	BASIN-5	BASE	23.42	88.00	89.00	520525	8.02	6.02	21.1	9.6
100YR24HR	BASIN-5	BASE	23.50	88.00	89.00	520572	7.83	6.03	21.1	9.7
100YR24HR	BASIN-5	BASE	23.58	88.00	89.00	520616	7.66	6.03	21.2	9.7
100YR24HR	BASIN-5	BASE	23.67	88.00	89.00	520665	7.50	6.03	21.2	9.7
100YR24HR	BASIN-5	BASE	23.75	88.00	89.00	520707	7.36	6.03	21.3	9.8
100YR24HR	BASIN-5	BASE	23.84	88.00	89.00	520747	7.23	6.03	21.3	9.8
100YR24HR	BASIN-5	BASE	23.92	88.00	89.00	520782	7.11	6.03	21.4	9.9
100YR24HR	BASIN-5	BASE	24.00	88.00	89.00	520814	6.99	6.03	21.4	9.9
100YR24HR	BASIN-5	BASE	24.08	88.00	89.00	520841	6.85	6.03	21.5	10.0
100YR24HR	BASIN-5	BASE	24.17	88.00	89.00	520863	6.63	6.03	21.5	10.0
100YR24HR	BASIN-5	BASE	24.26	88.01	89.00	520877	6.29	6.03	21.6	10.0
100YR24HR	BASIN-5	BASE	24.34	88.01	89.00	520878	5.82	6.03	21.6	10.1
100YR24HR	BASIN-5	BASE	24.42	88.00	89.00	520864	5.29	6.03	21.7	10.1
100YR24HR	BASIN-5	BASE	24.51	88.00	89.00	520833	4.76	6.03	21.7	10.2
100YR24HR	BASIN-5	BASE	24.59	88.00	89.00	520786	4.26	6.03	21.7	10.2
100YR24HR	BASIN-5	BASE	24.67	88.00	89.00	520724	3.81	6.03	21.7	10.2
100YR24HR	BASIN-5	BASE	24.76	88.00	89.00	520650	3.42	6.03	21.8	10.3
100YR24HR	BASIN-5	BASE	24.84	88.00	89.00	520572	3.08	6.03	21.8	10.3
100YR24HR	BASIN-5	BASE	24.92	88.00	89.00	520497	2.78	6.02	21.8	10.4
100YR24HR	BASIN-5	BASE	25.01	88.00	89.00	520416	2.51	6.02	21.8	10.4
100YR24HR	BASIN-5	BASE	25.09	87.99	89.00	520329	2.27	6.02	21.9	10.5
100YR24HR	BASIN-5	BASE	25.17	87.99	89.00	520236	2.06	6.02	21.9	10.5
100YR24HR	BASIN-5	BASE	25.25	87.99	89.00	520146	1.87	6.02	21.9	10.5
100YR24HR	BASIN-5	BASE	25.33	87.99	89.00	520044	1.70	6.02	21.9	10.6
100YR24HR	BASIN-5	BASE	25.42	87.98	89.00	519938	1.53	6.02	21.9	10.6
100YR24HR	BASIN-5	BASE	25.50	87.98	89.00	519828	1.39	6.02	21.9	10.7
100YR24HR	BASIN-5	BASE	25.58	87.98	89.00	519715	1.26	6.02	21.9	10.7
100YR24HR	BASIN-5	BASE	25.67	87.98	89.00	519599	1.15	6.01	21.9	10.7
100YR24HR	BASIN-5	BASE	25.75	87.97	89.00	519481	1.04	6.01	21.9	10.8
100YR24HR	BASIN-5	BASE	25.83	87.97	89.00	519360	0.95	6.01	21.9	10.8
100YR24HR	BASIN-5	BASE	25.92	87.97	89.00	519237	0.86	6.01	21.9	10.9
100YR24HR	BASIN-5	BASE	26.00	87.96	89.00	519112	0.77	6.01	22.0	10.9
100YR24HR	BASIN-5	BASE	26.08	87.96	89.00	518985	0.69	6.01	22.0	10.9
100YR24HR	BASIN-5	BASE	26.17	87.96	89.00	518857	0.62	6.01	22.0	11.0
100YR24HR	BASIN-5	BASE	26.25	87.96	89.00	518726	0.55	6.00	22.0	11.0
100YR24HR	BASIN-5	BASE	26.33	87.95	89.00	518593	0.48	6.00	22.0	11.1
100YR24HR	BASIN-5	BASE	26.42	87.95	89.00	518460	0.42	6.00	22.0	11.1
100YR24HR	BASIN-5	BASE	26.50	87.95	89.00	518324	0.37	6.00	22.0	11.2
100YR24HR	BASIN-5	BASE	26.58	87.94	89.00	518188	0.31	6.00	22.0	11.2
100YR24HR	BASIN-5	BASE	26.67	87.94	89.00	518050	0.27	6.00	22.0	11.2
100YR24HR	BASIN-5	BASE	26.75	87.94	89.00	517911	0.23	5.99	22.0	11.3
100YR24HR	BASIN-5	BASE	26.83	87.93	89.00	517771	0.19	5.99	22.0	11.3
100YR24HR	BASIN-5	BASE	26.92	87.93	89.00	517631	0.16	5.99	22.0	11.4
100YR24HR	BASIN-5	BASE	27.00	87.93	89.00	517490	0.13	5.99	22.0	11.4
100YR24HR	BASIN-5	BASE	27.08	87.92	89.00	517348	0.10	5.99	22.0	11.4
100YR24HR	BASIN-5	BASE	27.17	87.92	89.00	517205	0.08	5.99	22.0	11.5
100YR24HR	BASIN-5	BASE	27.25	87.92	89.00	517062	0.06	5.98	22.0	11.5
100YR24HR	BASIN-5	BASE	27.33	87.91	89.00	516919	0.05	5.98	22.0	11.6

100YR24HR BASIN 5 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-6	BASE	25.33	85.06	87.00	384535	0.28	4.45	7.1	6.6
100YR24HR	BASIN-6	BASE	25.42	85.05	87.00	384450	0.24	4.45	7.1	6.7
100YR24HR	BASIN-6	BASE	25.50	85.05	87.00	384363	0.20	4.45	7.1	6.7
100YR24HR	BASIN-6	BASE	25.58	85.05	87.00	384277	0.16	4.45	7.1	6.7
100YR24HR	BASIN-6	BASE	25.67	85.04	87.00	384189	0.13	4.45	7.2	6.8
100YR24HR	BASIN-6	BASE	25.75	85.04	87.00	384101	0.10	4.45	7.2	6.8
100YR24HR	BASIN-6	BASE	25.83	85.04	87.00	384012	0.08	4.44	7.2	6.8
100YR24HR	BASIN-6	BASE	25.92	85.03	87.00	383923	0.06	4.44	7.2	6.9
100YR24HR	BASIN-6	BASE	26.00	85.03	87.00	383833	0.04	4.44	7.2	6.9
100YR24HR	BASIN-6	BASE	26.08	85.03	87.00	383743	0.03	4.44	7.2	6.9
100YR24HR	BASIN-6	BASE	26.17	85.02	87.00	383653	0.02	4.44	7.2	6.9
100YR24HR	BASIN-6	BASE	26.25	85.02	87.00	383563	0.01	4.44	7.2	7.0
100YR24HR	BASIN-6	BASE	26.33	85.02	87.00	383473	0.01	4.44	7.2	7.0
100YR24HR	BASIN-6	BASE	26.42	85.01	87.00	383382	0.00	4.44	7.2	7.0
100YR24HR	BASIN-6	BASE	26.50	85.01	87.00	383291	0.00	4.44	7.2	7.1
100YR24HR	BASIN-6	BASE	26.58	85.01	87.00	383201	0.00	4.44	7.2	7.1
100YR24HR	BASIN-6	BASE	26.67	85.00	87.00	383110	0.00	4.43	7.2	7.1
100YR24HR	BASIN-6	BASE	26.75	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	26.83	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	26.92	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.00	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.08	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.17	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.25	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.33	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.42	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.50	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.58	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.67	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.75	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.83	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	27.92	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.00	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.08	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.17	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.25	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.33	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.42	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.50	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.58	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.67	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.75	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.83	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	28.92	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.00	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.08	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.17	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.25	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.33	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.42	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.50	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.58	85.00	87.00	383023	0.00	0.00	7.2	7.1
100YR24HR	BASIN-6	BASE	29.67	85.00	87.00	383023	0.00	0.00	7.2	7.1

100YR24HR BASIN 6 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-7	BASE	32.08	78.17	80.00	314711	0.00	3.64	9.7	8.5
100YR24HR	BASIN-7	BASE	32.17	78.16	80.00	314634	0.00	3.64	9.7	8.5
100YR24HR	BASIN-7	BASE	32.25	78.16	80.00	314556	0.00	3.64	9.7	8.5
100YR24HR	BASIN-7	BASE	32.33	78.16	80.00	314479	0.00	3.64	9.7	8.5
100YR24HR	BASIN-7	BASE	32.42	78.15	80.00	314401	0.00	3.64	9.7	8.6
100YR24HR	BASIN-7	BASE	32.50	78.15	80.00	314324	0.00	3.64	9.7	8.6
100YR24HR	BASIN-7	BASE	32.58	78.15	80.00	314246	0.00	3.64	9.7	8.6
100YR24HR	BASIN-7	BASE	32.67	78.14	80.00	314169	0.00	3.64	9.7	8.7
100YR24HR	BASIN-7	BASE	32.75	78.14	80.00	314092	0.00	3.64	9.7	8.7
100YR24HR	BASIN-7	BASE	32.83	78.14	80.00	314014	0.00	3.63	9.7	8.7
100YR24HR	BASIN-7	BASE	32.92	78.13	80.00	313937	0.00	3.63	9.7	8.7
100YR24HR	BASIN-7	BASE	33.00	78.13	80.00	313860	0.00	3.63	9.7	8.8
100YR24HR	BASIN-7	BASE	33.08	78.13	80.00	313782	0.00	3.63	9.7	8.8
100YR24HR	BASIN-7	BASE	33.17	78.12	80.00	313705	0.00	3.63	9.7	8.8
100YR24HR	BASIN-7	BASE	33.25	78.12	80.00	313627	0.00	3.63	9.7	8.8
100YR24HR	BASIN-7	BASE	33.33	78.12	80.00	313550	0.00	3.63	9.7	8.9
100YR24HR	BASIN-7	BASE	33.42	78.11	80.00	313472	0.00	3.63	9.7	8.9
100YR24HR	BASIN-7	BASE	33.50	78.11	80.00	313395	0.00	3.63	9.7	8.9
100YR24HR	BASIN-7	BASE	33.58	78.11	80.00	313318	0.00	3.63	9.7	8.9
100YR24HR	BASIN-7	BASE	33.67	78.10	80.00	313241	0.00	3.63	9.7	9.0
100YR24HR	BASIN-7	BASE	33.75	78.10	80.00	313163	0.00	3.62	9.7	9.0
100YR24HR	BASIN-7	BASE	33.83	78.09	80.00	313086	0.00	3.62	9.7	9.0
100YR24HR	BASIN-7	BASE	33.92	78.09	80.00	313008	0.00	3.62	9.7	9.0
100YR24HR	BASIN-7	BASE	34.00	78.09	80.00	312931	0.00	3.62	9.7	9.1
100YR24HR	BASIN-7	BASE	34.08	78.08	80.00	312853	0.00	3.62	9.7	9.1
100YR24HR	BASIN-7	BASE	34.17	78.08	80.00	312776	0.00	3.62	9.7	9.1
100YR24HR	BASIN-7	BASE	34.25	78.08	80.00	312698	0.00	3.62	9.7	9.1
100YR24HR	BASIN-7	BASE	34.33	78.07	80.00	312621	0.00	3.62	9.7	9.1
100YR24HR	BASIN-7	BASE	34.42	78.07	80.00	312544	0.00	3.62	9.7	9.2
100YR24HR	BASIN-7	BASE	34.50	78.07	80.00	312467	0.00	3.62	9.7	9.2
100YR24HR	BASIN-7	BASE	34.58	78.06	80.00	312389	0.00	3.62	9.7	9.2
100YR24HR	BASIN-7	BASE	34.67	78.06	80.00	312312	0.00	3.61	9.7	9.2
100YR24HR	BASIN-7	BASE	34.75	78.06	80.00	312234	0.00	3.61	9.7	9.3
100YR24HR	BASIN-7	BASE	34.83	78.05	80.00	312157	0.00	3.61	9.7	9.3
100YR24HR	BASIN-7	BASE	34.92	78.05	80.00	312079	0.00	3.61	9.7	9.3
100YR24HR	BASIN-7	BASE	35.00	78.05	80.00	312002	0.00	3.61	9.7	9.3
100YR24HR	BASIN-7	BASE	35.08	78.04	80.00	311924	0.00	3.61	9.7	9.4
100YR24HR	BASIN-7	BASE	35.17	78.04	80.00	311847	0.00	3.61	9.7	9.4
100YR24HR	BASIN-7	BASE	35.25	78.04	80.00	311770	0.00	3.61	9.7	9.4
100YR24HR	BASIN-7	BASE	35.33	78.03	80.00	311693	0.00	3.61	9.7	9.4
100YR24HR	BASIN-7	BASE	35.42	78.03	80.00	311615	0.00	3.61	9.7	9.5
100YR24HR	BASIN-7	BASE	35.50	78.03	80.00	311538	0.00	3.61	9.7	9.5
100YR24HR	BASIN-7	BASE	35.58	78.02	80.00	311460	0.00	3.60	9.7	9.5
100YR24HR	BASIN-7	BASE	35.67	78.02	80.00	311383	0.00	3.60	9.7	9.5
100YR24HR	BASIN-7	BASE	35.75	78.02	80.00	311305	0.00	3.60	9.7	9.6
100YR24HR	BASIN-7	BASE	35.83	78.01	80.00	311228	0.00	3.60	9.7	9.6
100YR24HR	BASIN-7	BASE	35.92	78.01	80.00	311151	0.00	3.60	9.7	9.6
100YR24HR	BASIN-7	BASE	36.00	78.00	80.00	311074	0.00	3.60	9.7	9.6
100YR24HR	BASIN-7	BASE	36.08	78.00	80.00	310996	0.00	3.60	9.7	9.7
100YR24HR	BASIN-7	BASE	36.17	78.00	80.00	310970	0.00	0.00	9.7	9.7
100YR24HR	BASIN-7	BASE	36.25	78.00	80.00	310970	0.00	0.00	9.7	9.7
100YR24HR	BASIN-7	BASE	36.33	78.00	80.00	310970	0.00	0.00	9.7	9.7
100YR24HR	BASIN-7	BASE	36.42	78.00	80.00	310970	0.00	0.00	9.7	9.7

100YR24HR BASIN 7 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-8	BASE	21.17	86.05	87.00	28488	2.52	2.64	1.0	1.0
100YR24HR	BASIN-8	BASE	21.25	86.05	87.00	28424	2.38	2.60	1.0	1.0
100YR24HR	BASIN-8	BASE	21.33	86.05	87.00	28330	2.26	2.53	1.0	1.0
100YR24HR	BASIN-8	BASE	21.42	86.04	87.00	28223	2.17	2.46	1.1	1.0
100YR24HR	BASIN-8	BASE	21.50	86.04	87.00	28113	2.09	2.38	1.1	1.0
100YR24HR	BASIN-8	BASE	21.58	86.04	87.00	28007	2.03	2.30	1.1	1.1
100YR24HR	BASIN-8	BASE	21.67	86.03	87.00	27912	1.99	2.22	1.1	1.1
100YR24HR	BASIN-8	BASE	21.75	86.03	87.00	27827	1.95	2.15	1.1	1.1
100YR24HR	BASIN-8	BASE	21.83	86.03	87.00	27754	1.92	2.09	1.1	1.1
100YR24HR	BASIN-8	BASE	21.92	86.03	87.00	27692	1.89	2.04	1.1	1.1
100YR24HR	BASIN-8	BASE	22.00	86.03	87.00	27638	1.86	1.99	1.2	1.1
100YR24HR	BASIN-8	BASE	22.08	86.02	87.00	27588	1.81	1.94	1.2	1.1
100YR24HR	BASIN-8	BASE	22.17	86.02	87.00	27525	1.69	1.88	1.2	1.2
100YR24HR	BASIN-8	BASE	22.25	86.02	87.00	27435	1.53	1.79	1.2	1.2
100YR24HR	BASIN-8	BASE	22.33	86.02	87.00	27329	1.40	1.68	1.2	1.2
100YR24HR	BASIN-8	BASE	22.42	86.01	87.00	27222	1.30	1.56	1.2	1.2
100YR24HR	BASIN-8	BASE	22.50	86.01	87.00	27128	1.22	1.44	1.2	1.2
100YR24HR	BASIN-8	BASE	22.58	86.01	87.00	27050	1.16	1.33	1.2	1.2
100YR24HR	BASIN-8	BASE	22.67	86.01	87.00	26991	1.11	1.24	1.2	1.2
100YR24HR	BASIN-8	BASE	22.75	86.01	87.00	26945	1.07	1.16	1.2	1.2
100YR24HR	BASIN-8	BASE	22.83	86.01	87.00	26913	1.03	1.10	1.2	1.2
100YR24HR	BASIN-8	BASE	22.92	86.01	87.00	26890	1.01	1.06	1.3	1.2
100YR24HR	BASIN-8	BASE	23.00	86.00	87.00	26872	0.98	1.02	1.3	1.3
100YR24HR	BASIN-8	BASE	23.08	86.00	87.00	26859	0.96	0.99	1.3	1.3
100YR24HR	BASIN-8	BASE	23.17	86.00	87.00	26848	0.94	0.97	1.3	1.3
100YR24HR	BASIN-8	BASE	23.25	86.00	87.00	26839	0.93	0.95	1.3	1.3
100YR24HR	BASIN-8	BASE	23.34	86.00	87.00	26832	0.91	0.93	1.3	1.3
100YR24HR	BASIN-8	BASE	23.42	86.00	87.00	26827	0.90	0.92	1.3	1.3
100YR24HR	BASIN-8	BASE	23.50	86.00	87.00	26822	0.90	0.91	1.3	1.3
100YR24HR	BASIN-8	BASE	23.58	86.00	87.00	26820	0.89	0.90	1.3	1.3
100YR24HR	BASIN-8	BASE	23.67	86.00	87.00	26817	0.89	0.89	1.3	1.3
100YR24HR	BASIN-8	BASE	23.75	86.00	87.00	26816	0.89	0.89	1.3	1.3
100YR24HR	BASIN-8	BASE	23.84	86.00	87.00	26815	0.88	0.89	1.3	1.3
100YR24HR	BASIN-8	BASE	23.92	86.00	87.00	26815	0.88	0.89	1.3	1.3
100YR24HR	BASIN-8	BASE	24.00	86.00	87.00	26815	0.88	0.88	1.3	1.3
100YR24HR	BASIN-8	BASE	24.08	86.00	87.00	26810	0.85	0.87	1.3	1.3
100YR24HR	BASIN-8	BASE	24.17	86.00	87.00	26790	0.75	0.82	1.3	1.3
100YR24HR	BASIN-8	BASE	24.26	86.00	87.00	26753	0.60	0.69	1.4	1.4
100YR24HR	BASIN-8	BASE	24.34	86.00	87.00	26721	0.48	0.54	1.4	1.4
100YR24HR	BASIN-8	BASE	24.42	86.00	87.00	26709	0.39	0.39	1.4	1.4
100YR24HR	BASIN-8	BASE	24.51	86.00	87.00	26708	0.32	0.32	1.4	1.4
100YR24HR	BASIN-8	BASE	24.59	86.00	87.00	26707	0.26	0.26	1.4	1.4
100YR24HR	BASIN-8	BASE	24.67	86.00	87.00	26707	0.21	0.22	1.4	1.4
100YR24HR	BASIN-8	BASE	24.76	86.00	87.00	26706	0.18	0.18	1.4	1.4
100YR24HR	BASIN-8	BASE	24.84	86.00	87.00	26706	0.15	0.15	1.4	1.4
100YR24HR	BASIN-8	BASE	24.92	86.00	87.00	26705	0.12	0.12	1.4	1.4
100YR24HR	BASIN-8	BASE	25.01	86.00	87.00	26705	0.09	0.09	1.4	1.4
100YR24HR	BASIN-8	BASE	25.09	86.00	87.00	26705	0.07	0.07	1.4	1.4
100YR24HR	BASIN-8	BASE	25.17	86.00	87.00	26704	0.05	0.05	1.4	1.4
100YR24HR	BASIN-8	BASE	25.25	86.00	87.00	115	0.04	-0.51	1.4	1.4
100YR24HR	BASIN-8	BASE	25.33	86.00	87.00	115	0.03	-0.58	1.4	1.4
100YR24HR	BASIN-8	BASE	25.42	86.00	87.00	115	0.02	-0.60	1.4	1.4
100YR24HR	BASIN-8	BASE	25.50	86.00	87.00	115	0.01	-0.61	1.4	1.4

100YR24HR BASIN 8 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR24HR	BASIN-9	BASE	36.75	77.14	79.75	154144	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	36.83	77.14	79.75	154093	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	36.92	77.14	79.75	154040	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	37.00	77.13	79.75	153988	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	37.08	77.13	79.75	153936	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	37.17	77.13	79.75	153884	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	37.25	77.12	79.75	153832	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	37.33	77.12	79.75	153780	0.00	1.78	5.2	4.7
100YR24HR	BASIN-9	BASE	37.42	77.11	79.75	153728	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	37.50	77.11	79.75	153676	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	37.58	77.11	79.75	153623	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	37.67	77.10	79.75	153572	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	37.75	77.10	79.75	153519	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	37.83	77.10	79.75	153467	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	37.92	77.09	79.75	153415	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	38.00	77.09	79.75	153363	0.00	1.78	5.2	4.8
100YR24HR	BASIN-9	BASE	38.08	77.09	79.75	153311	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.17	77.08	79.75	153259	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.25	77.08	79.75	153207	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.33	77.08	79.75	153155	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.42	77.07	79.75	153103	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.50	77.07	79.75	153051	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.58	77.07	79.75	152999	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.67	77.06	79.75	152946	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.75	77.06	79.75	152894	0.00	1.77	5.2	4.9
100YR24HR	BASIN-9	BASE	38.83	77.06	79.75	152842	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	38.92	77.05	79.75	152790	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	39.00	77.05	79.75	152738	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	39.08	77.05	79.75	152686	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	39.17	77.04	79.75	152634	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	39.25	77.04	79.75	152582	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	39.33	77.03	79.75	152530	0.00	1.77	5.2	5.0
100YR24HR	BASIN-9	BASE	39.42	77.03	79.75	152478	0.00	1.76	5.2	5.0
100YR24HR	BASIN-9	BASE	39.50	77.03	79.75	152426	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	39.58	77.02	79.75	152373	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	39.67	77.02	79.75	152321	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	39.75	77.02	79.75	152269	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	39.83	77.01	79.75	152217	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	39.92	77.01	79.75	152165	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	40.00	77.01	79.75	152113	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	40.08	77.00	79.75	152061	0.00	1.76	5.2	5.1
100YR24HR	BASIN-9	BASE	40.17	77.00	79.75	152009	0.00	1.76	5.2	5.2
100YR24HR	BASIN-9	BASE	40.25	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.33	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.42	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.50	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.58	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.67	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.75	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.83	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	40.92	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	41.00	77.00	79.75	152007	0.00	0.00	5.2	5.2
100YR24HR	BASIN-9	BASE	41.08	77.00	79.75	152007	0.00	0.00	5.2	5.2

100YR24HR BASIN 9 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-1	BASE	11.25	84.33	86.00	8059	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	11.50	84.32	86.00	7956	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	11.75	84.31	86.00	7853	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	12.00	84.30	86.00	7751	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	12.25	84.29	86.00	7648	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	12.50	84.28	86.00	7546	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	12.75	84.27	86.00	7444	0.00	0.09	0.1	0.1
100YR2HR	BASIN-1	BASE	13.00	84.26	86.00	7341	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	13.25	84.24	86.00	7238	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	13.50	84.23	86.00	7136	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	13.75	84.22	86.00	7034	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	14.00	84.21	86.00	6931	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	14.25	84.20	86.00	6829	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	14.50	84.19	86.00	6726	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	14.75	84.18	86.00	6623	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	15.00	84.17	86.00	6521	0.00	0.08	0.1	0.1
100YR2HR	BASIN-1	BASE	15.25	84.16	86.00	6419	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	15.50	84.15	86.00	6316	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	15.75	84.14	86.00	6213	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	16.00	84.13	86.00	6111	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	16.25	84.12	86.00	6008	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	16.50	84.11	86.00	5906	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	16.75	84.10	86.00	5804	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	17.00	84.09	86.00	5701	0.00	0.07	0.1	0.1
100YR2HR	BASIN-1	BASE	17.25	84.08	86.00	5598	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	17.50	84.07	86.00	5496	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	17.75	84.06	86.00	5394	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	18.00	84.05	86.00	5291	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	18.25	84.04	86.00	5188	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	18.50	84.03	86.00	5086	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	18.75	84.02	86.00	4983	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	19.00	84.01	86.00	4881	0.00	0.06	0.1	0.1
100YR2HR	BASIN-1	BASE	19.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	19.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	19.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	20.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	20.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	20.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	20.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	21.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	21.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	21.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	21.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	22.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	22.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	22.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	22.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	23.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	23.25	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	23.50	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	23.75	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	24.00	84.00	86.00	4831	0.00	0.00	0.1	0.1
100YR2HR	BASIN-1	BASE	24.25	84.00	86.00	4831	0.00	0.00	0.1	0.1

100YR2HR BASIN 1 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-10	BASE	57.00	72.33	79.00	19157	0.00	0.22	3.3	3.2
100YR2HR	BASIN-10	BASE	57.25	72.32	79.00	18881	0.00	0.22	3.3	3.2
100YR2HR	BASIN-10	BASE	57.50	72.31	79.00	18606	0.00	0.22	3.3	3.2
100YR2HR	BASIN-10	BASE	57.75	72.30	79.00	18330	0.00	0.21	3.3	3.2
100YR2HR	BASIN-10	BASE	58.00	72.29	79.00	18055	0.00	0.21	3.3	3.2
100YR2HR	BASIN-10	BASE	58.25	72.28	79.00	17779	0.00	0.21	3.3	3.3
100YR2HR	BASIN-10	BASE	58.50	72.27	79.00	17503	0.00	0.20	3.3	3.3
100YR2HR	BASIN-10	BASE	58.75	72.26	79.00	17228	0.00	0.20	3.3	3.3
100YR2HR	BASIN-10	BASE	59.00	72.25	79.00	16952	0.00	0.20	3.3	3.3
100YR2HR	BASIN-10	BASE	59.25	72.24	79.00	16677	0.00	0.19	3.3	3.3
100YR2HR	BASIN-10	BASE	59.50	72.23	79.00	16401	0.00	0.19	3.3	3.3
100YR2HR	BASIN-10	BASE	59.75	72.22	79.00	16126	0.00	0.19	3.3	3.3
100YR2HR	BASIN-10	BASE	60.00	72.21	79.00	15850	0.00	0.18	3.3	3.3
100YR2HR	BASIN-10	BASE	60.25	72.20	79.00	15574	0.00	0.18	3.3	3.3
100YR2HR	BASIN-10	BASE	60.50	72.18	79.00	15299	0.00	0.18	3.3	3.3
100YR2HR	BASIN-10	BASE	60.75	72.17	79.00	15023	0.00	0.17	3.3	3.3
100YR2HR	BASIN-10	BASE	61.00	72.16	79.00	14748	0.00	0.17	3.3	3.3
100YR2HR	BASIN-10	BASE	61.25	72.15	79.00	14473	0.00	0.17	3.3	3.3
100YR2HR	BASIN-10	BASE	61.50	72.14	79.00	14197	0.00	0.16	3.3	3.3
100YR2HR	BASIN-10	BASE	61.75	72.13	79.00	13921	0.00	0.16	3.3	3.3
100YR2HR	BASIN-10	BASE	62.00	72.12	79.00	13645	0.00	0.16	3.3	3.3
100YR2HR	BASIN-10	BASE	62.25	72.11	79.00	13370	0.00	0.15	3.3	3.3
100YR2HR	BASIN-10	BASE	62.50	72.10	79.00	13094	0.00	0.15	3.3	3.3
100YR2HR	BASIN-10	BASE	62.75	72.09	79.00	12819	0.00	0.15	3.3	3.3
100YR2HR	BASIN-10	BASE	63.00	72.08	79.00	12544	0.00	0.15	3.3	3.3
100YR2HR	BASIN-10	BASE	63.25	72.07	79.00	12268	0.00	0.14	3.3	3.3
100YR2HR	BASIN-10	BASE	63.50	72.06	79.00	11992	0.00	0.14	3.3	3.3
100YR2HR	BASIN-10	BASE	63.75	72.05	79.00	11717	0.00	0.14	3.3	3.3
100YR2HR	BASIN-10	BASE	64.00	72.04	79.00	11441	0.00	0.13	3.3	3.3
100YR2HR	BASIN-10	BASE	64.25	72.03	79.00	11165	0.00	0.13	3.3	3.3
100YR2HR	BASIN-10	BASE	64.50	72.02	79.00	10890	0.00	0.13	3.3	3.3
100YR2HR	BASIN-10	BASE	64.75	72.01	79.00	10615	0.00	0.12	3.3	3.3
100YR2HR	BASIN-10	BASE	65.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	65.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	65.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	65.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	66.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	66.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	66.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	66.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	67.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	67.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	67.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	67.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	68.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	68.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	68.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	68.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	69.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	69.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	69.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	69.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	70.00	72.00	79.00	10411	0.00	0.00	3.3	3.3

100YR2HR BASIN 10 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-10	BASE	719.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	719.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	720.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	720.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	720.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	720.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	721.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	721.25	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	721.50	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	721.75	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	722.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-10	BASE	722.00	72.00	79.00	10411	0.00	0.00	3.3	3.3
100YR2HR	BASIN-11	BASE	0.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	0.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	0.50	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR2HR	BASIN-11	BASE	0.75	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR2HR	BASIN-11	BASE	1.00	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR2HR	BASIN-11	BASE	1.25	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR2HR	BASIN-11	BASE	1.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	1.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	2.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	2.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	2.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	2.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	3.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	3.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	3.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	3.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	4.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	4.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	4.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	4.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	5.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	5.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	5.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	5.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	6.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	6.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	6.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	6.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	7.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	7.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	7.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	7.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	8.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	8.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	8.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	8.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	9.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	9.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	9.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR2HR	BASIN-11	BASE	9.75	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR2HR BASIN 11 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-12	BASE	16.00	82.21	84.00	30124	0.00	0.35	0.9	0.8
100YR2HR	BASIN-12	BASE	16.25	82.20	84.00	29380	0.00	0.34	0.9	0.8
100YR2HR	BASIN-12	BASE	16.50	82.19	84.00	28636	0.00	0.33	0.9	0.8
100YR2HR	BASIN-12	BASE	16.75	82.18	84.00	27893	0.00	0.32	0.9	0.8
100YR2HR	BASIN-12	BASE	17.00	82.17	84.00	27148	0.00	0.31	0.9	0.8
100YR2HR	BASIN-12	BASE	17.25	82.16	84.00	26404	0.00	0.31	0.9	0.8
100YR2HR	BASIN-12	BASE	17.50	82.15	84.00	25660	0.00	0.30	0.9	0.8
100YR2HR	BASIN-12	BASE	17.75	82.14	84.00	24917	0.00	0.29	0.9	0.8
100YR2HR	BASIN-12	BASE	18.00	82.13	84.00	24173	0.00	0.28	0.9	0.8
100YR2HR	BASIN-12	BASE	18.25	82.12	84.00	23428	0.00	0.27	0.9	0.8
100YR2HR	BASIN-12	BASE	18.50	82.11	84.00	22685	0.00	0.26	0.9	0.8
100YR2HR	BASIN-12	BASE	18.75	82.10	84.00	21941	0.00	0.25	0.9	0.8
100YR2HR	BASIN-12	BASE	19.00	82.09	84.00	21197	0.00	0.25	0.9	0.8
100YR2HR	BASIN-12	BASE	19.25	82.08	84.00	20454	0.00	0.24	0.9	0.8
100YR2HR	BASIN-12	BASE	19.50	82.07	84.00	19710	0.00	0.23	0.9	0.8
100YR2HR	BASIN-12	BASE	19.75	82.05	84.00	18965	0.00	0.22	0.9	0.9
100YR2HR	BASIN-12	BASE	20.00	82.04	84.00	18221	0.00	0.21	0.9	0.9
100YR2HR	BASIN-12	BASE	20.25	82.03	84.00	17478	0.00	0.20	0.9	0.9
100YR2HR	BASIN-12	BASE	20.50	82.02	84.00	16734	0.00	0.19	0.9	0.9
100YR2HR	BASIN-12	BASE	20.75	82.01	84.00	15989	0.00	0.19	0.9	0.9
100YR2HR	BASIN-12	BASE	21.00	82.00	84.00	15246	0.00	0.18	0.9	0.9
100YR2HR	BASIN-12	BASE	21.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	21.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	21.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	22.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	22.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	22.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	22.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	23.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	23.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	23.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	23.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	24.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	24.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	24.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	24.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	25.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	25.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	25.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	25.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	26.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	26.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	26.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	26.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	27.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	27.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	27.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	27.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	28.00	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	28.25	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	28.50	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	28.75	82.00	84.00	15050	0.00	0.00	0.9	0.9
100YR2HR	BASIN-12	BASE	29.00	82.00	84.00	15050	0.00	0.00	0.9	0.9

100YR2HR BASIN 12 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-13	BASE	48.50	80.22	89.00	717	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	48.75	80.21	89.00	713	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	49.00	80.20	89.00	708	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	49.25	80.19	89.00	704	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	49.50	80.18	89.00	700	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	49.75	80.16	89.00	695	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	50.00	80.15	89.00	691	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	50.25	80.14	89.00	687	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	50.50	80.13	89.00	683	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	50.75	80.12	89.00	678	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	51.00	80.11	89.00	674	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	51.25	80.10	89.00	670	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	51.50	80.09	89.00	665	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	51.75	80.08	89.00	661	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	52.00	80.07	89.00	657	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	52.25	80.06	89.00	652	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	52.50	80.05	89.00	648	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	52.75	80.04	89.00	644	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	53.00	80.03	89.00	639	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	53.25	80.02	89.00	635	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	53.50	80.01	89.00	631	0.00	0.01	0.1	0.1
100YR2HR	BASIN-13	BASE	53.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	54.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	54.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	54.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	54.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	55.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	55.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	55.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	55.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	56.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	56.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	56.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	56.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	57.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	57.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	57.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	57.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	58.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	58.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	58.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	58.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	59.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	59.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	59.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	59.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	60.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	60.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	60.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	60.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	61.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	61.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR2HR	BASIN-13	BASE	61.50	80.00	89.00	627	0.00	0.00	0.1	0.1

100YR2HR BASIN 13 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-14	BASE	54.50	75.29	84.00	549	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	54.75	75.28	84.00	533	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	55.00	75.27	84.00	517	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	55.25	75.26	84.00	501	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	55.50	75.25	84.00	485	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	55.75	75.24	84.00	469	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	56.00	75.23	84.00	453	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	56.25	75.21	84.00	437	0.00	0.01	0.2	0.2
100YR2HR	BASIN-14	BASE	56.50	75.20	84.00	421	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	56.75	75.19	84.00	405	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	57.00	75.18	84.00	389	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	57.25	75.17	84.00	373	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	57.50	75.16	84.00	357	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	57.75	75.15	84.00	341	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	58.00	75.14	84.00	326	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	58.25	75.13	84.00	310	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	58.50	75.12	84.00	294	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	58.75	75.11	84.00	278	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	59.00	75.10	84.00	262	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	59.25	75.09	84.00	246	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	59.50	75.08	84.00	230	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	59.75	75.07	84.00	214	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	60.00	75.06	84.00	198	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	60.25	75.05	84.00	182	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	60.50	75.04	84.00	166	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	60.75	75.03	84.00	150	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	61.00	75.02	84.00	134	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	61.25	75.01	84.00	119	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	61.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	61.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	62.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	62.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	62.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	62.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	63.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	63.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	63.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	63.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	64.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	64.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	64.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	64.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	65.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	65.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	65.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	65.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	66.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	66.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	66.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	66.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	67.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	67.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	67.50	75.00	84.00	113	0.00	0.00	0.2	0.2

100YR2HR BASIN 14 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-14	BASE	717.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	717.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	717.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	717.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	718.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	718.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	718.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	718.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	719.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	719.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	719.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	719.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	720.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	720.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	720.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	720.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	721.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	721.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	721.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	721.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	722.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-14	BASE	722.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR2HR	BASIN-15	BASE	0.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	0.25	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR2HR	BASIN-15	BASE	0.50	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR2HR	BASIN-15	BASE	0.75	83.00	84.75	29686	0.05	0.05	0.0	0.0
100YR2HR	BASIN-15	BASE	1.00	83.00	84.75	29686	0.05	0.05	0.0	0.0
100YR2HR	BASIN-15	BASE	1.25	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR2HR	BASIN-15	BASE	1.50	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR2HR	BASIN-15	BASE	1.75	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR2HR	BASIN-15	BASE	2.00	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR2HR	BASIN-15	BASE	2.25	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR2HR	BASIN-15	BASE	2.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	2.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	3.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	3.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	3.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	3.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	4.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	4.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	4.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	4.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	5.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	5.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	5.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	5.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	6.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	6.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	6.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	6.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	7.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR2HR	BASIN-15	BASE	7.25	83.00	84.75	29686	0.00	0.00	0.0	0.0

100YR2HR BASIN 15 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-2	BASE	715.75	45.81	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	716.00	45.81	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	716.25	45.81	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	716.50	45.81	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	716.75	45.81	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	717.00	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	717.25	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	717.50	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	717.75	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	718.00	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	718.25	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	718.50	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	718.75	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	719.00	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	719.25	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	719.50	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	719.75	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	720.00	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	720.25	45.80	84.25	2053	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	720.50	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	720.75	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	721.00	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	721.25	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	721.50	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	721.75	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	722.00	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-2	BASE	722.00	45.80	84.25	2052	0.00	0.00	0.8	0.7
100YR2HR	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR2HR	BASIN-3	BASE	0.25	80.00	88.00	106042	3.65	1.23	0.0	0.0
100YR2HR	BASIN-3	BASE	0.50	80.08	88.00	112056	19.84	1.30	0.3	0.0
100YR2HR	BASIN-3	BASE	0.75	80.30	88.00	128165	42.12	1.48	0.9	0.1
100YR2HR	BASIN-3	BASE	1.00	80.64	88.00	152846	62.60	1.77	2.0	0.1
100YR2HR	BASIN-3	BASE	1.25	80.96	88.00	176345	55.08	2.04	3.2	0.1
100YR2HR	BASIN-3	BASE	1.50	81.18	88.00	193229	43.68	2.24	4.2	0.2
100YR2HR	BASIN-3	BASE	1.75	81.35	88.00	205627	35.48	2.38	5.1	0.2
100YR2HR	BASIN-3	BASE	2.00	81.48	88.00	214993	28.85	2.49	5.7	0.3
100YR2HR	BASIN-3	BASE	2.25	81.58	88.00	222139	22.52	2.57	6.3	0.3
100YR2HR	BASIN-3	BASE	2.50	81.64	88.00	226992	16.02	2.63	6.7	0.4
100YR2HR	BASIN-3	BASE	2.75	81.68	88.00	230120	10.99	2.66	6.9	0.4
100YR2HR	BASIN-3	BASE	3.00	81.71	88.00	231937	7.14	2.68	7.1	0.5
100YR2HR	BASIN-3	BASE	3.25	81.72	88.00	232794	4.40	2.69	7.2	0.6
100YR2HR	BASIN-3	BASE	3.50	81.72	88.00	232982	2.40	2.70	7.3	0.6
100YR2HR	BASIN-3	BASE	3.75	81.72	88.00	232705	1.20	2.69	7.3	0.7
100YR2HR	BASIN-3	BASE	4.00	81.71	88.00	232186	0.61	2.69	7.4	0.7
100YR2HR	BASIN-3	BASE	4.25	81.70	88.00	231537	0.27	2.68	7.4	0.8
100YR2HR	BASIN-3	BASE	4.50	81.69	88.00	230817	0.09	2.67	7.4	0.8
100YR2HR	BASIN-3	BASE	4.75	81.68	88.00	230061	0.01	2.66	7.4	0.9
100YR2HR	BASIN-3	BASE	5.00	81.67	88.00	229292	0.00	2.65	7.4	0.9
100YR2HR	BASIN-3	BASE	5.25	81.66	88.00	228524	0.00	2.64	7.4	1.0
100YR2HR	BASIN-3	BASE	5.50	81.65	88.00	227754	0.00	2.64	7.4	1.1
100YR2HR	BASIN-3	BASE	5.75	81.64	88.00	226985	0.00	2.63	7.4	1.1
100YR2HR	BASIN-3	BASE	6.00	81.63	88.00	226216	0.00	2.62	7.4	1.2

100YR2HR BASIN 2 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-3	BASE	32.75	80.52	88.00	143902	0.00	1.67	7.4	5.9
100YR2HR	BASIN-3	BASE	33.00	80.51	88.00	143132	0.00	1.66	7.4	5.9
100YR2HR	BASIN-3	BASE	33.25	80.50	88.00	142364	0.00	1.65	7.4	6.0
100YR2HR	BASIN-3	BASE	33.50	80.48	88.00	141594	0.00	1.64	7.4	6.0
100YR2HR	BASIN-3	BASE	33.75	80.47	88.00	140824	0.00	1.63	7.4	6.0
100YR2HR	BASIN-3	BASE	34.00	80.46	88.00	140055	0.00	1.62	7.4	6.1
100YR2HR	BASIN-3	BASE	34.25	80.45	88.00	139286	0.00	1.61	7.4	6.1
100YR2HR	BASIN-3	BASE	34.50	80.44	88.00	138517	0.00	1.60	7.4	6.1
100YR2HR	BASIN-3	BASE	34.75	80.43	88.00	137747	0.00	1.59	7.4	6.2
100YR2HR	BASIN-3	BASE	35.00	80.42	88.00	136979	0.00	1.59	7.4	6.2
100YR2HR	BASIN-3	BASE	35.25	80.41	88.00	136209	0.00	1.58	7.4	6.2
100YR2HR	BASIN-3	BASE	35.50	80.40	88.00	135439	0.00	1.57	7.4	6.3
100YR2HR	BASIN-3	BASE	35.75	80.39	88.00	134671	0.00	1.56	7.4	6.3
100YR2HR	BASIN-3	BASE	36.00	80.38	88.00	133901	0.00	1.55	7.4	6.3
100YR2HR	BASIN-3	BASE	36.25	80.37	88.00	133132	0.00	1.54	7.4	6.4
100YR2HR	BASIN-3	BASE	36.50	80.36	88.00	132363	0.00	1.53	7.4	6.4
100YR2HR	BASIN-3	BASE	36.75	80.35	88.00	131594	0.00	1.52	7.4	6.4
100YR2HR	BASIN-3	BASE	37.00	80.34	88.00	130824	0.00	1.51	7.4	6.5
100YR2HR	BASIN-3	BASE	37.25	80.33	88.00	130054	0.00	1.51	7.4	6.5
100YR2HR	BASIN-3	BASE	37.50	80.32	88.00	129286	0.00	1.50	7.4	6.5
100YR2HR	BASIN-3	BASE	37.75	80.31	88.00	128516	0.00	1.49	7.4	6.5
100YR2HR	BASIN-3	BASE	38.00	80.30	88.00	127746	0.00	1.48	7.4	6.6
100YR2HR	BASIN-3	BASE	38.25	80.29	88.00	126978	0.00	1.47	7.4	6.6
100YR2HR	BASIN-3	BASE	38.50	80.28	88.00	126208	0.00	1.46	7.4	6.6
100YR2HR	BASIN-3	BASE	38.75	80.27	88.00	125439	0.00	1.45	7.4	6.7
100YR2HR	BASIN-3	BASE	39.00	80.26	88.00	124670	0.00	1.44	7.4	6.7
100YR2HR	BASIN-3	BASE	39.25	80.25	88.00	123901	0.00	1.43	7.4	6.7
100YR2HR	BASIN-3	BASE	39.50	80.23	88.00	123131	0.00	1.43	7.4	6.8
100YR2HR	BASIN-3	BASE	39.75	80.22	88.00	122361	0.00	1.42	7.4	6.8
100YR2HR	BASIN-3	BASE	40.00	80.21	88.00	121593	0.00	1.41	7.4	6.8
100YR2HR	BASIN-3	BASE	40.25	80.20	88.00	120823	0.00	1.40	7.4	6.8
100YR2HR	BASIN-3	BASE	40.50	80.19	88.00	120053	0.00	1.39	7.4	6.9
100YR2HR	BASIN-3	BASE	40.75	80.18	88.00	119285	0.00	1.38	7.4	6.9
100YR2HR	BASIN-3	BASE	41.00	80.17	88.00	118515	0.00	1.37	7.4	6.9
100YR2HR	BASIN-3	BASE	41.25	80.16	88.00	117746	0.00	1.36	7.4	7.0
100YR2HR	BASIN-3	BASE	41.50	80.15	88.00	116977	0.00	1.35	7.4	7.0
100YR2HR	BASIN-3	BASE	41.75	80.14	88.00	116208	0.00	1.34	7.4	7.0
100YR2HR	BASIN-3	BASE	42.00	80.13	88.00	115438	0.00	1.34	7.4	7.0
100YR2HR	BASIN-3	BASE	42.25	80.12	88.00	114668	0.00	1.33	7.4	7.1
100YR2HR	BASIN-3	BASE	42.50	80.11	88.00	113900	0.00	1.32	7.4	7.1
100YR2HR	BASIN-3	BASE	42.75	80.10	88.00	113130	0.00	1.31	7.4	7.1
100YR2HR	BASIN-3	BASE	43.00	80.09	88.00	112361	0.00	1.30	7.4	7.2
100YR2HR	BASIN-3	BASE	43.25	80.08	88.00	111592	0.00	1.29	7.4	7.2
100YR2HR	BASIN-3	BASE	43.50	80.07	88.00	110823	0.00	1.28	7.4	7.2
100YR2HR	BASIN-3	BASE	43.75	80.06	88.00	110053	0.00	1.27	7.4	7.2
100YR2HR	BASIN-3	BASE	44.00	80.05	88.00	109284	0.00	1.26	7.4	7.3
100YR2HR	BASIN-3	BASE	44.25	80.04	88.00	108515	0.00	1.26	7.4	7.3
100YR2HR	BASIN-3	BASE	44.50	80.03	88.00	107745	0.00	1.25	7.4	7.3
100YR2HR	BASIN-3	BASE	44.75	80.02	88.00	106977	0.00	1.24	7.4	7.3
100YR2HR	BASIN-3	BASE	45.00	80.01	88.00	106207	0.00	1.23	7.4	7.4
100YR2HR	BASIN-3	BASE	45.25	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR2HR	BASIN-3	BASE	45.50	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR2HR	BASIN-3	BASE	45.75	80.00	88.00	105790	0.00	0.00	7.4	7.4

100YR2HR BASIN 3 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-3	BASE	721.75	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR2HR	BASIN-3	BASE	722.00	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR2HR	BASIN-3	BASE	722.00	80.00	88.00	105790	0.00	0.00	7.4	7.4
100YR2HR	BASIN-4	BASE	0.00	85.00	87.00	195349	0.00	0.00	0.0	0.0
100YR2HR	BASIN-4	BASE	0.25	85.00	87.00	195349	0.92	0.92	0.0	0.0
100YR2HR	BASIN-4	BASE	0.50	85.00	87.00	195387	3.95	2.26	0.1	0.0
100YR2HR	BASIN-4	BASE	0.75	85.02	87.00	195711	8.66	2.27	0.2	0.1
100YR2HR	BASIN-4	BASE	1.00	85.06	87.00	196496	12.99	2.27	0.4	0.1
100YR2HR	BASIN-4	BASE	1.25	85.10	87.00	197268	9.63	2.28	0.6	0.2
100YR2HR	BASIN-4	BASE	1.50	85.13	87.00	197776	7.15	2.29	0.8	0.2
100YR2HR	BASIN-4	BASE	1.75	85.15	87.00	198113	5.52	2.29	1.0	0.3
100YR2HR	BASIN-4	BASE	2.00	85.16	87.00	198334	4.32	2.30	1.1	0.3
100YR2HR	BASIN-4	BASE	2.25	85.17	87.00	198449	2.94	2.30	1.1	0.4
100YR2HR	BASIN-4	BASE	2.50	85.17	87.00	198449	1.71	2.30	1.2	0.4
100YR2HR	BASIN-4	BASE	2.75	85.16	87.00	198365	0.94	2.30	1.2	0.5
100YR2HR	BASIN-4	BASE	3.00	85.16	87.00	198229	0.45	2.29	1.2	0.5
100YR2HR	BASIN-4	BASE	3.25	85.15	87.00	198064	0.22	2.29	1.2	0.6
100YR2HR	BASIN-4	BASE	3.50	85.14	87.00	197884	0.11	2.29	1.2	0.6
100YR2HR	BASIN-4	BASE	3.75	85.13	87.00	197698	0.04	2.29	1.2	0.7
100YR2HR	BASIN-4	BASE	4.00	85.12	87.00	197506	0.01	2.29	1.2	0.7
100YR2HR	BASIN-4	BASE	4.25	85.11	87.00	197314	0.00	2.28	1.2	0.8
100YR2HR	BASIN-4	BASE	4.50	85.10	87.00	197121	0.00	2.28	1.2	0.8
100YR2HR	BASIN-4	BASE	4.75	85.09	87.00	196928	0.00	2.28	1.2	0.8
100YR2HR	BASIN-4	BASE	5.00	85.07	87.00	196735	0.00	2.28	1.2	0.9
100YR2HR	BASIN-4	BASE	5.25	85.06	87.00	196542	0.00	2.27	1.2	0.9
100YR2HR	BASIN-4	BASE	5.50	85.05	87.00	196349	0.00	2.27	1.2	1.0
100YR2HR	BASIN-4	BASE	5.75	85.04	87.00	196156	0.00	2.27	1.2	1.0
100YR2HR	BASIN-4	BASE	6.00	85.03	87.00	195963	0.00	2.27	1.2	1.1
100YR2HR	BASIN-4	BASE	6.25	85.02	87.00	195770	0.00	2.27	1.2	1.1
100YR2HR	BASIN-4	BASE	6.50	85.01	87.00	195577	0.00	2.26	1.2	1.2
100YR2HR	BASIN-4	BASE	6.75	85.00	87.00	195384	0.00	2.26	1.2	1.2
100YR2HR	BASIN-4	BASE	7.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	7.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	7.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	7.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	8.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	8.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	8.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	8.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	9.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	9.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	9.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	9.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	10.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	10.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	10.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	10.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	11.00	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	11.25	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	11.50	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	11.75	85.00	87.00	195349	0.00	0.00	1.2	1.2
100YR2HR	BASIN-4	BASE	12.00	85.00	87.00	195349	0.00	0.00	1.2	1.2

100YR2HR BASIN 4 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-5	BASE	5.00	87.43	89.00	496788	0.22	5.75	7.0	2.2
100YR2HR	BASIN-5	BASE	5.25	87.42	89.00	496365	0.10	5.74	7.0	2.3
100YR2HR	BASIN-5	BASE	5.50	87.41	89.00	495935	0.03	5.74	7.0	2.5
100YR2HR	BASIN-5	BASE	5.75	87.40	89.00	495502	0.00	5.73	7.0	2.6
100YR2HR	BASIN-5	BASE	6.00	87.39	89.00	495068	0.00	5.73	7.0	2.7
100YR2HR	BASIN-5	BASE	6.25	87.38	89.00	494633	0.00	5.72	7.0	2.8
100YR2HR	BASIN-5	BASE	6.50	87.37	89.00	494199	0.00	5.72	7.0	2.9
100YR2HR	BASIN-5	BASE	6.75	87.36	89.00	493764	0.00	5.71	7.0	3.0
100YR2HR	BASIN-5	BASE	7.00	87.35	89.00	493331	0.00	5.71	7.0	3.2
100YR2HR	BASIN-5	BASE	7.25	87.34	89.00	492896	0.00	5.70	7.0	3.3
100YR2HR	BASIN-5	BASE	7.50	87.33	89.00	492462	0.00	5.70	7.0	3.4
100YR2HR	BASIN-5	BASE	7.75	87.31	89.00	492028	0.00	5.69	7.0	3.5
100YR2HR	BASIN-5	BASE	8.00	87.30	89.00	491593	0.00	5.69	7.0	3.6
100YR2HR	BASIN-5	BASE	8.25	87.29	89.00	491159	0.00	5.68	7.0	3.8
100YR2HR	BASIN-5	BASE	8.50	87.28	89.00	490725	0.00	5.68	7.0	3.9
100YR2HR	BASIN-5	BASE	8.75	87.27	89.00	490291	0.00	5.67	7.0	4.0
100YR2HR	BASIN-5	BASE	9.00	87.26	89.00	489856	0.00	5.67	7.0	4.1
100YR2HR	BASIN-5	BASE	9.25	87.25	89.00	489421	0.00	5.66	7.0	4.2
100YR2HR	BASIN-5	BASE	9.50	87.24	89.00	488988	0.00	5.66	7.0	4.3
100YR2HR	BASIN-5	BASE	9.75	87.23	89.00	488553	0.00	5.65	7.0	4.5
100YR2HR	BASIN-5	BASE	10.00	87.22	89.00	488119	0.00	5.65	7.0	4.6
100YR2HR	BASIN-5	BASE	10.25	87.21	89.00	487685	0.00	5.64	7.0	4.7
100YR2HR	BASIN-5	BASE	10.50	87.20	89.00	487250	0.00	5.64	7.0	4.8
100YR2HR	BASIN-5	BASE	10.75	87.19	89.00	486816	0.00	5.63	7.0	4.9
100YR2HR	BASIN-5	BASE	11.00	87.18	89.00	486382	0.00	5.63	7.0	5.0
100YR2HR	BASIN-5	BASE	11.25	87.17	89.00	485948	0.00	5.62	7.0	5.2
100YR2HR	BASIN-5	BASE	11.50	87.16	89.00	485513	0.00	5.62	7.0	5.3
100YR2HR	BASIN-5	BASE	11.75	87.15	89.00	485079	0.00	5.61	7.0	5.4
100YR2HR	BASIN-5	BASE	12.00	87.14	89.00	484645	0.00	5.61	7.0	5.5
100YR2HR	BASIN-5	BASE	12.25	87.13	89.00	484210	0.00	5.60	7.0	5.6
100YR2HR	BASIN-5	BASE	12.50	87.12	89.00	483776	0.00	5.60	7.0	5.7
100YR2HR	BASIN-5	BASE	12.75	87.11	89.00	483342	0.00	5.59	7.0	5.8
100YR2HR	BASIN-5	BASE	13.00	87.10	89.00	482908	0.00	5.59	7.0	6.0
100YR2HR	BASIN-5	BASE	13.25	87.09	89.00	482473	0.00	5.58	7.0	6.1
100YR2HR	BASIN-5	BASE	13.50	87.08	89.00	482039	0.00	5.58	7.0	6.2
100YR2HR	BASIN-5	BASE	13.75	87.06	89.00	481605	0.00	5.57	7.0	6.3
100YR2HR	BASIN-5	BASE	14.00	87.05	89.00	481170	0.00	5.57	7.0	6.4
100YR2HR	BASIN-5	BASE	14.25	87.04	89.00	480737	0.00	5.56	7.0	6.5
100YR2HR	BASIN-5	BASE	14.50	87.03	89.00	480302	0.00	5.56	7.0	6.7
100YR2HR	BASIN-5	BASE	14.75	87.02	89.00	479868	0.00	5.55	7.0	6.8
100YR2HR	BASIN-5	BASE	15.00	87.01	89.00	479433	0.00	5.55	7.0	6.9
100YR2HR	BASIN-5	BASE	15.25	87.00	89.00	478999	0.00	5.54	7.0	7.0
100YR2HR	BASIN-5	BASE	15.50	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	15.75	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	16.00	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	16.25	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	16.50	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	16.75	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	17.00	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	17.25	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	17.50	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	17.75	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	18.00	87.00	89.00	478907	0.00	0.00	7.0	7.1

100YR2HR BASIN 5 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-5	BASE	720.50	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	720.75	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	721.00	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	721.25	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	721.50	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	721.75	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	722.00	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-5	BASE	722.00	87.00	89.00	478907	0.00	0.00	7.0	7.1
100YR2HR	BASIN-6	BASE	0.00	85.00	87.00	383023	0.00	0.00	0.0	0.0
100YR2HR	BASIN-6	BASE	0.25	85.00	87.00	383023	1.69	1.69	0.0	0.0
100YR2HR	BASIN-6	BASE	0.50	85.00	87.00	383077	7.85	4.43	0.1	0.1
100YR2HR	BASIN-6	BASE	0.75	85.02	87.00	383498	14.84	4.44	0.4	0.2
100YR2HR	BASIN-6	BASE	1.00	85.05	87.00	384311	19.45	4.45	0.7	0.3
100YR2HR	BASIN-6	BASE	1.25	85.08	87.00	385142	16.23	4.46	1.1	0.4
100YR2HR	BASIN-6	BASE	1.50	85.10	87.00	385753	12.90	4.46	1.4	0.4
100YR2HR	BASIN-6	BASE	1.75	85.12	87.00	386191	10.47	4.47	1.6	0.5
100YR2HR	BASIN-6	BASE	2.00	85.13	87.00	386493	8.45	4.47	1.8	0.6
100YR2HR	BASIN-6	BASE	2.25	85.14	87.00	386669	6.12	4.48	2.0	0.7
100YR2HR	BASIN-6	BASE	2.50	85.14	87.00	386697	3.90	4.48	2.1	0.8
100YR2HR	BASIN-6	BASE	2.75	85.14	87.00	386613	2.35	4.47	2.1	0.9
100YR2HR	BASIN-6	BASE	3.00	85.13	87.00	386451	1.34	4.47	2.2	1.0
100YR2HR	BASIN-6	BASE	3.25	85.12	87.00	386240	0.70	4.47	2.2	1.1
100YR2HR	BASIN-6	BASE	3.50	85.11	87.00	386000	0.36	4.47	2.2	1.2
100YR2HR	BASIN-6	BASE	3.75	85.10	87.00	385744	0.17	4.46	2.2	1.3
100YR2HR	BASIN-6	BASE	4.00	85.09	87.00	385478	0.06	4.46	2.2	1.4
100YR2HR	BASIN-6	BASE	4.25	85.08	87.00	385209	0.01	4.46	2.2	1.5
100YR2HR	BASIN-6	BASE	4.50	85.07	87.00	384937	0.00	4.46	2.2	1.6
100YR2HR	BASIN-6	BASE	4.75	85.06	87.00	384665	0.00	4.45	2.2	1.6
100YR2HR	BASIN-6	BASE	5.00	85.05	87.00	384393	0.00	4.45	2.2	1.7
100YR2HR	BASIN-6	BASE	5.25	85.04	87.00	384122	0.00	4.45	2.2	1.8
100YR2HR	BASIN-6	BASE	5.50	85.03	87.00	383850	0.00	4.44	2.2	1.9
100YR2HR	BASIN-6	BASE	5.75	85.02	87.00	383578	0.00	4.44	2.2	2.0
100YR2HR	BASIN-6	BASE	6.00	85.01	87.00	383306	0.00	4.44	2.2	2.1
100YR2HR	BASIN-6	BASE	6.25	85.00	87.00	383034	0.00	4.43	2.2	2.2
100YR2HR	BASIN-6	BASE	6.50	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	6.75	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	7.00	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	7.25	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	7.50	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	7.75	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	8.00	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	8.25	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	8.50	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	8.75	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	9.00	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	9.25	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	9.50	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	9.75	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	10.00	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	10.25	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	10.50	85.00	87.00	383023	0.00	0.00	2.2	2.2
100YR2HR	BASIN-6	BASE	10.75	85.00	87.00	383023	0.00	0.00	2.2	2.2

100YR2HR BASIN 6 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-7	BASE	3.75	78.26	80.00	316825	1.11	3.67	2.9	1.0
100YR2HR	BASIN-7	BASE	4.00	78.25	80.00	316645	0.58	3.66	3.0	1.1
100YR2HR	BASIN-7	BASE	4.25	78.25	80.00	316440	0.30	3.66	3.0	1.2
100YR2HR	BASIN-7	BASE	4.50	78.24	80.00	316222	0.15	3.66	3.0	1.3
100YR2HR	BASIN-7	BASE	4.75	78.23	80.00	315996	0.06	3.66	3.0	1.3
100YR2HR	BASIN-7	BASE	5.00	78.22	80.00	315766	0.02	3.65	3.0	1.4
100YR2HR	BASIN-7	BASE	5.25	78.20	80.00	315535	0.00	3.65	3.0	1.5
100YR2HR	BASIN-7	BASE	5.50	78.19	80.00	315303	0.00	3.65	3.0	1.6
100YR2HR	BASIN-7	BASE	5.75	78.18	80.00	315070	0.00	3.65	3.0	1.6
100YR2HR	BASIN-7	BASE	6.00	78.17	80.00	314839	0.00	3.64	3.0	1.7
100YR2HR	BASIN-7	BASE	6.25	78.16	80.00	314606	0.00	3.64	3.0	1.8
100YR2HR	BASIN-7	BASE	6.50	78.15	80.00	314374	0.00	3.64	3.0	1.9
100YR2HR	BASIN-7	BASE	6.75	78.14	80.00	314142	0.00	3.64	3.0	1.9
100YR2HR	BASIN-7	BASE	7.00	78.13	80.00	313910	0.00	3.63	3.0	2.0
100YR2HR	BASIN-7	BASE	7.25	78.12	80.00	313677	0.00	3.63	3.0	2.1
100YR2HR	BASIN-7	BASE	7.50	78.11	80.00	313445	0.00	3.63	3.0	2.2
100YR2HR	BASIN-7	BASE	7.75	78.10	80.00	313213	0.00	3.63	3.0	2.2
100YR2HR	BASIN-7	BASE	8.00	78.09	80.00	312981	0.00	3.62	3.0	2.3
100YR2HR	BASIN-7	BASE	8.25	78.08	80.00	312749	0.00	3.62	3.0	2.4
100YR2HR	BASIN-7	BASE	8.50	78.07	80.00	312517	0.00	3.62	3.0	2.5
100YR2HR	BASIN-7	BASE	8.75	78.06	80.00	312284	0.00	3.61	3.0	2.5
100YR2HR	BASIN-7	BASE	9.00	78.05	80.00	312052	0.00	3.61	3.0	2.6
100YR2HR	BASIN-7	BASE	9.25	78.04	80.00	311820	0.00	3.61	3.0	2.7
100YR2HR	BASIN-7	BASE	9.50	78.03	80.00	311588	0.00	3.61	3.0	2.8
100YR2HR	BASIN-7	BASE	9.75	78.02	80.00	311356	0.00	3.60	3.0	2.8
100YR2HR	BASIN-7	BASE	10.00	78.01	80.00	311123	0.00	3.60	3.0	2.9
100YR2HR	BASIN-7	BASE	10.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	10.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	10.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	11.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	11.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	11.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	11.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	12.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	12.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	12.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	12.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	13.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	13.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	13.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	13.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	14.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	14.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	14.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	14.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	15.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	15.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	15.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	15.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	16.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	16.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	16.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	16.75	78.00	80.00	310970	0.00	0.00	3.0	3.0

100YR2HR BASIN 7 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-7	BASE	719.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	719.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	719.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	720.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	720.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	720.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	720.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	721.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	721.25	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	721.50	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	721.75	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	722.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-7	BASE	722.00	78.00	80.00	310970	0.00	0.00	3.0	3.0
100YR2HR	BASIN-8	BASE	0.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
100YR2HR	BASIN-8	BASE	0.25	86.00	87.00	26706	0.41	0.39	0.0	0.0
100YR2HR	BASIN-8	BASE	0.50	86.01	87.00	26899	1.37	1.08	0.0	0.0
100YR2HR	BASIN-8	BASE	0.75	86.02	87.00	27413	2.35	1.77	0.1	0.0
100YR2HR	BASIN-8	BASE	1.00	86.04	87.00	28055	2.64	2.33	0.1	0.1
100YR2HR	BASIN-8	BASE	1.25	86.04	87.00	27993	1.97	2.29	0.2	0.1
100YR2HR	BASIN-8	BASE	1.50	86.02	87.00	27538	1.49	1.90	0.2	0.2
100YR2HR	BASIN-8	BASE	1.75	86.01	87.00	27121	1.14	1.43	0.2	0.2
100YR2HR	BASIN-8	BASE	2.00	86.00	87.00	26849	0.80	0.97	0.2	0.2
100YR2HR	BASIN-8	BASE	2.25	86.00	87.00	26716	0.45	0.50	0.3	0.3
100YR2HR	BASIN-8	BASE	2.50	86.00	87.00	26707	0.21	0.22	0.3	0.3
100YR2HR	BASIN-8	BASE	2.75	86.00	87.00	26705	0.11	0.11	0.3	0.3
100YR2HR	BASIN-8	BASE	3.00	86.00	87.00	26704	0.05	0.02	0.3	0.3
100YR2HR	BASIN-8	BASE	3.25	86.00	87.00	115	0.02	-0.60	0.3	0.3
100YR2HR	BASIN-8	BASE	3.50	86.00	87.00	115	0.00	-0.61	0.3	0.2
100YR2HR	BASIN-8	BASE	3.75	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	4.00	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	4.25	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	4.50	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	4.75	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	5.00	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	5.25	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR2HR	BASIN-8	BASE	5.50	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	5.75	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	6.00	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	6.25	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	6.50	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	6.75	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	7.00	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	7.25	86.00	87.00	115	0.00	-0.62	0.3	0.1
100YR2HR	BASIN-8	BASE	7.50	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR2HR	BASIN-8	BASE	7.75	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR2HR	BASIN-8	BASE	8.00	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR2HR	BASIN-8	BASE	8.25	86.00	87.00	115	0.00	-0.62	0.3	0.0
100YR2HR	BASIN-8	BASE	8.50	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR2HR	BASIN-8	BASE	8.75	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR2HR	BASIN-8	BASE	9.00	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR2HR	BASIN-8	BASE	9.25	86.00	87.00	115	0.00	-0.62	0.3	-0.0
100YR2HR	BASIN-8	BASE	9.50	86.00	87.00	115	0.00	-0.62	0.3	-0.1

100YR2HR BASIN 8 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR2HR	BASIN-9	BASE	2.50	77.19	79.75	154892	1.42	1.79	1.0	0.3
100YR2HR	BASIN-9	BASE	2.75	77.19	79.75	154829	0.77	1.79	1.0	0.4
100YR2HR	BASIN-9	BASE	3.00	77.18	79.75	154721	0.39	1.79	1.0	0.4
100YR2HR	BASIN-9	BASE	3.25	77.17	79.75	154591	0.20	1.79	1.1	0.4
100YR2HR	BASIN-9	BASE	3.50	77.16	79.75	154446	0.09	1.79	1.1	0.5
100YR2HR	BASIN-9	BASE	3.75	77.15	79.75	154295	0.03	1.79	1.1	0.5
100YR2HR	BASIN-9	BASE	4.00	77.14	79.75	154140	0.01	1.78	1.1	0.6
100YR2HR	BASIN-9	BASE	4.25	77.13	79.75	153984	0.00	1.78	1.1	0.6
100YR2HR	BASIN-9	BASE	4.50	77.12	79.75	153828	0.00	1.78	1.1	0.6
100YR2HR	BASIN-9	BASE	4.75	77.11	79.75	153672	0.00	1.78	1.1	0.7
100YR2HR	BASIN-9	BASE	5.00	77.10	79.75	153515	0.00	1.78	1.1	0.7
100YR2HR	BASIN-9	BASE	5.25	77.09	79.75	153359	0.00	1.77	1.1	0.7
100YR2HR	BASIN-9	BASE	5.50	77.08	79.75	153203	0.00	1.77	1.1	0.8
100YR2HR	BASIN-9	BASE	5.75	77.07	79.75	153046	0.00	1.77	1.1	0.8
100YR2HR	BASIN-9	BASE	6.00	77.06	79.75	152890	0.00	1.77	1.1	0.9
100YR2HR	BASIN-9	BASE	6.25	77.05	79.75	152734	0.00	1.77	1.1	0.9
100YR2HR	BASIN-9	BASE	6.50	77.04	79.75	152578	0.00	1.77	1.1	0.9
100YR2HR	BASIN-9	BASE	6.75	77.03	79.75	152421	0.00	1.76	1.1	1.0
100YR2HR	BASIN-9	BASE	7.00	77.02	79.75	152265	0.00	1.76	1.1	1.0
100YR2HR	BASIN-9	BASE	7.25	77.01	79.75	152109	0.00	1.76	1.1	1.0
100YR2HR	BASIN-9	BASE	7.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	7.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	8.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	8.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	8.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	8.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	9.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	9.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	9.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	9.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	10.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	10.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	10.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	10.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	11.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	11.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	11.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	11.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	12.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	12.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	12.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	12.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	13.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	13.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	13.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	13.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	14.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	14.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	14.50	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	14.75	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	15.00	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	15.25	77.00	79.75	152007	0.00	0.00	1.1	1.1
100YR2HR	BASIN-9	BASE	15.50	77.00	79.75	152007	0.00	0.00	1.1	1.1

100YR2HR BASIN 9 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-1	BASE	20.50	84.10	86.00	5860	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	20.58	84.10	86.00	5825	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	20.67	84.10	86.00	5791	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	20.75	84.09	86.00	5757	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	20.83	84.09	86.00	5723	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	20.92	84.09	86.00	5689	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	21.00	84.08	86.00	5655	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	21.08	84.08	86.00	5621	0.00	0.07	0.2	0.2
100YR4HR	BASIN-1	BASE	21.17	84.08	86.00	5586	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.25	84.07	86.00	5552	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.33	84.07	86.00	5518	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.42	84.07	86.00	5484	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.50	84.06	86.00	5450	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.58	84.06	86.00	5416	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.67	84.06	86.00	5381	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.75	84.05	86.00	5347	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.83	84.05	86.00	5313	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	21.92	84.05	86.00	5279	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.00	84.04	86.00	5245	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.08	84.04	86.00	5210	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.17	84.04	86.00	5176	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.25	84.03	86.00	5142	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.33	84.03	86.00	5108	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.42	84.02	86.00	5074	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.50	84.02	86.00	5040	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.58	84.02	86.00	5006	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.67	84.01	86.00	4971	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.75	84.01	86.00	4937	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.83	84.01	86.00	4903	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	22.92	84.00	86.00	4869	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	23.00	84.00	86.00	4835	0.00	0.06	0.2	0.2
100YR4HR	BASIN-1	BASE	23.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	23.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.00	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR4HR	BASIN-1	BASE	24.83	84.00	86.00	4831	0.00	0.00	0.2	0.2

100YR4HR BASIN 1 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-10	BASE	70.08	72.07	79.00	12270	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.17	72.07	79.00	12179	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.25	72.06	79.00	12087	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.33	72.06	79.00	11995	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.42	72.06	79.00	11903	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.50	72.05	79.00	11811	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.58	72.05	79.00	11719	0.00	0.14	4.2	4.2
100YR4HR	BASIN-10	BASE	70.67	72.05	79.00	11627	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	70.75	72.04	79.00	11535	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	70.83	72.04	79.00	11443	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	70.92	72.04	79.00	11352	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.00	72.03	79.00	11260	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.08	72.03	79.00	11168	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.17	72.03	79.00	11076	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.25	72.02	79.00	10984	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.33	72.02	79.00	10892	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.42	72.01	79.00	10800	0.00	0.13	4.2	4.2
100YR4HR	BASIN-10	BASE	71.50	72.01	79.00	10709	0.00	0.12	4.2	4.2
100YR4HR	BASIN-10	BASE	71.58	72.01	79.00	10617	0.00	0.12	4.2	4.2
100YR4HR	BASIN-10	BASE	71.67	72.00	79.00	10525	0.00	0.12	4.2	4.2
100YR4HR	BASIN-10	BASE	71.75	72.00	79.00	10433	0.00	0.12	4.2	4.2
100YR4HR	BASIN-10	BASE	71.83	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	71.92	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.00	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.08	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.17	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.25	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.33	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.42	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.50	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.58	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.67	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.75	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.83	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	72.92	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.00	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.08	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.17	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.25	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.33	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.42	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.50	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.58	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.67	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.75	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.83	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	73.92	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	74.00	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	74.08	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	74.17	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	74.25	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	74.33	72.00	79.00	10411	0.00	0.00	4.2	4.2
100YR4HR	BASIN-10	BASE	74.42	72.00	79.00	10411	0.00	0.00	4.2	4.2

100YR4HR BASIN 10 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-11	BASE	0.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	0.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	0.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	0.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	0.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	0.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	0.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	1.75	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	1.83	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	1.92	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.00	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.08	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.17	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.25	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.33	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.42	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.50	81.00	84.00	2056	0.01	0.01	0.0	0.0
100YR4HR	BASIN-11	BASE	2.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	2.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	2.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	2.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	2.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.84	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	3.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR4HR	BASIN-11	BASE	4.75	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR4HR BASIN 11 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-12	BASE	23.50	82.06	84.00	19103	0.00	0.22	1.1	1.1
100YR4HR	BASIN-12	BASE	23.58	82.05	84.00	18855	0.00	0.22	1.1	1.1
100YR4HR	BASIN-12	BASE	23.67	82.05	84.00	18607	0.00	0.22	1.1	1.1
100YR4HR	BASIN-12	BASE	23.75	82.05	84.00	18359	0.00	0.21	1.1	1.1
100YR4HR	BASIN-12	BASE	23.83	82.04	84.00	18110	0.00	0.21	1.1	1.1
100YR4HR	BASIN-12	BASE	23.92	82.04	84.00	17864	0.00	0.21	1.1	1.1
100YR4HR	BASIN-12	BASE	24.00	82.04	84.00	17616	0.00	0.20	1.1	1.1
100YR4HR	BASIN-12	BASE	24.08	82.03	84.00	17368	0.00	0.20	1.1	1.1
100YR4HR	BASIN-12	BASE	24.17	82.03	84.00	17119	0.00	0.20	1.1	1.1
100YR4HR	BASIN-12	BASE	24.25	82.03	84.00	16871	0.00	0.20	1.1	1.1
100YR4HR	BASIN-12	BASE	24.33	82.02	84.00	16623	0.00	0.19	1.1	1.1
100YR4HR	BASIN-12	BASE	24.42	82.02	84.00	16375	0.00	0.19	1.1	1.1
100YR4HR	BASIN-12	BASE	24.50	82.02	84.00	16127	0.00	0.19	1.1	1.1
100YR4HR	BASIN-12	BASE	24.58	82.01	84.00	15879	0.00	0.18	1.1	1.1
100YR4HR	BASIN-12	BASE	24.67	82.01	84.00	15631	0.00	0.18	1.1	1.1
100YR4HR	BASIN-12	BASE	24.75	82.00	84.00	15384	0.00	0.18	1.1	1.1
100YR4HR	BASIN-12	BASE	24.83	82.00	84.00	15136	0.00	0.18	1.1	1.1
100YR4HR	BASIN-12	BASE	24.92	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.00	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.08	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.17	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.25	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.33	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.42	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.50	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.58	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.67	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.75	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.83	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	25.92	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.00	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.08	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.17	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.25	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.33	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.42	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.50	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.58	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.67	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.75	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.83	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	26.92	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.00	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.08	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.17	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.25	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.33	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.42	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.50	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.58	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.67	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.75	82.00	84.00	15050	0.00	0.00	1.1	1.1
100YR4HR	BASIN-12	BASE	27.83	82.00	84.00	15050	0.00	0.00	1.1	1.1

100YR4HR BASIN 12 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-13	BASE	59.83	80.16	89.00	693	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	59.92	80.16	89.00	692	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.00	80.15	89.00	690	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.08	80.15	89.00	689	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.17	80.15	89.00	688	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.25	80.14	89.00	686	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.33	80.14	89.00	685	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.42	80.14	89.00	683	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.50	80.13	89.00	682	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.58	80.13	89.00	680	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.67	80.12	89.00	679	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.75	80.12	89.00	678	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.83	80.12	89.00	676	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	60.92	80.11	89.00	675	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.00	80.11	89.00	673	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.08	80.11	89.00	672	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.17	80.10	89.00	670	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.25	80.10	89.00	669	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.33	80.10	89.00	667	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.42	80.09	89.00	666	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.50	80.09	89.00	665	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.58	80.09	89.00	663	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.67	80.08	89.00	662	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.75	80.08	89.00	660	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.83	80.08	89.00	659	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	61.92	80.07	89.00	657	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.00	80.07	89.00	656	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.08	80.07	89.00	655	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.17	80.06	89.00	653	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.25	80.06	89.00	652	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.33	80.06	89.00	650	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.42	80.05	89.00	649	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.50	80.05	89.00	647	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.58	80.05	89.00	646	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.67	80.04	89.00	644	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.75	80.04	89.00	643	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.83	80.03	89.00	642	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	62.92	80.03	89.00	640	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.00	80.03	89.00	639	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.08	80.02	89.00	637	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.17	80.02	89.00	636	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.25	80.02	89.00	634	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.33	80.01	89.00	633	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.42	80.01	89.00	632	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.50	80.01	89.00	630	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.58	80.00	89.00	629	0.00	0.01	0.1	0.1
100YR4HR	BASIN-13	BASE	63.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR4HR	BASIN-13	BASE	63.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR4HR	BASIN-13	BASE	63.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR4HR	BASIN-13	BASE	63.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR4HR	BASIN-13	BASE	64.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR4HR	BASIN-13	BASE	64.08	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR4HR	BASIN-13	BASE	64.17	80.00	89.00	627	0.00	0.00	0.1	0.1

100YR4HR BASIN 13 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-14	BASE	65.25	75.13	84.00	314	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.33	75.13	84.00	308	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.42	75.13	84.00	303	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.50	75.12	84.00	298	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.58	75.12	84.00	292	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.67	75.12	84.00	287	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.75	75.11	84.00	282	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.83	75.11	84.00	276	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	65.92	75.11	84.00	271	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.00	75.10	84.00	266	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.08	75.10	84.00	261	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.17	75.10	84.00	255	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.25	75.09	84.00	250	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.33	75.09	84.00	245	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.42	75.09	84.00	239	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.50	75.08	84.00	234	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.58	75.08	84.00	229	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.67	75.07	84.00	223	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.75	75.07	84.00	218	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.83	75.07	84.00	213	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	66.92	75.06	84.00	207	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.00	75.06	84.00	202	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.08	75.06	84.00	197	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.17	75.05	84.00	192	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.25	75.05	84.00	186	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.33	75.05	84.00	181	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.42	75.04	84.00	176	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.50	75.04	84.00	170	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.58	75.04	84.00	165	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.67	75.03	84.00	160	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.75	75.03	84.00	154	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.83	75.03	84.00	149	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	67.92	75.02	84.00	144	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.00	75.02	84.00	138	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.08	75.02	84.00	133	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.17	75.01	84.00	128	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.25	75.01	84.00	123	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.33	75.01	84.00	117	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	68.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR4HR	BASIN-14	BASE	69.58	75.00	84.00	113	0.00	0.00	0.2	0.2

100YR4HR BASIN 14 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-15	BASE	0.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.33	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	0.58	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	0.67	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	0.75	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	0.83	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	0.92	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	1.00	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	1.08	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	1.17	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	1.25	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	1.33	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	1.42	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	1.50	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	1.58	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	1.67	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	1.75	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	1.83	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	1.92	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.00	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.08	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.17	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.25	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.33	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.42	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.50	83.00	84.75	29686	0.04	0.04	0.0	0.0
100YR4HR	BASIN-15	BASE	2.58	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	2.67	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	2.75	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	2.83	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	2.92	83.00	84.75	29686	0.03	0.03	0.0	0.0
100YR4HR	BASIN-15	BASE	3.00	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	3.08	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	3.17	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	3.25	83.00	84.75	29686	0.02	0.02	0.0	0.0
100YR4HR	BASIN-15	BASE	3.33	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.42	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.50	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.58	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.67	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.75	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.84	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR4HR	BASIN-15	BASE	3.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	4.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	4.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	4.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	4.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR4HR	BASIN-15	BASE	4.33	83.00	84.75	29686	0.00	0.00	0.0	0.0

100YR4HR BASIN 15 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-2	BASE	98.17	47.50	84.25	2534	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.25	47.50	84.25	2534	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.33	47.50	84.25	2534	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.42	47.50	84.25	2533	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.50	47.50	84.25	2533	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.58	47.50	84.25	2533	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.67	47.50	84.25	2533	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.75	47.50	84.25	2532	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.83	47.50	84.25	2532	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	98.92	47.50	84.25	2532	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.00	47.49	84.25	2531	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.08	47.49	84.25	2531	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.17	47.49	84.25	2531	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.25	47.49	84.25	2531	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.33	47.49	84.25	2530	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.42	47.49	84.25	2530	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.50	47.49	84.25	2530	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.58	47.49	84.25	2530	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.67	47.49	84.25	2529	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.75	47.49	84.25	2529	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.83	47.48	84.25	2529	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	99.92	47.48	84.25	2529	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	100.00	47.48	84.25	2528	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	100.08	47.48	84.25	2528	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	100.17	47.48	84.25	2528	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	100.25	47.48	84.25	2527	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	100.33	47.48	84.25	2527	0.00	0.01	1.0	0.8
100YR4HR	BASIN-2	BASE	100.33	47.48	84.25	2527	0.00	0.01	1.0	0.8
100YR4HR	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR4HR	BASIN-3	BASE	0.08	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR4HR	BASIN-3	BASE	0.17	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR4HR	BASIN-3	BASE	0.25	80.00	88.00	105790	0.06	0.06	0.0	0.0
100YR4HR	BASIN-3	BASE	0.33	80.00	88.00	105790	0.31	0.31	0.0	0.0
100YR4HR	BASIN-3	BASE	0.42	80.00	88.00	105791	0.86	0.86	0.0	0.0
100YR4HR	BASIN-3	BASE	0.50	80.00	88.00	105816	1.66	1.22	0.0	0.0
100YR4HR	BASIN-3	BASE	0.58	80.00	88.00	106011	2.65	1.23	0.0	0.0
100YR4HR	BASIN-3	BASE	0.67	80.01	88.00	106436	3.87	1.23	0.1	0.0
100YR4HR	BASIN-3	BASE	0.75	80.02	88.00	107149	5.46	1.24	0.1	0.0
100YR4HR	BASIN-3	BASE	0.83	80.03	88.00	108203	7.26	1.25	0.1	0.0
100YR4HR	BASIN-3	BASE	0.92	80.05	88.00	109583	8.94	1.27	0.2	0.1
100YR4HR	BASIN-3	BASE	1.00	80.07	88.00	111276	10.45	1.29	0.2	0.1
100YR4HR	BASIN-3	BASE	1.08	80.10	88.00	113235	11.96	1.31	0.3	0.1
100YR4HR	BASIN-3	BASE	1.17	80.13	88.00	115466	13.67	1.34	0.4	0.1
100YR4HR	BASIN-3	BASE	1.25	80.17	88.00	118016	15.86	1.37	0.5	0.1
100YR4HR	BASIN-3	BASE	1.33	80.20	88.00	120907	18.34	1.40	0.6	0.1
100YR4HR	BASIN-3	BASE	1.42	80.25	88.00	124188	20.72	1.44	0.8	0.1
100YR4HR	BASIN-3	BASE	1.50	80.30	88.00	127769	22.83	1.48	0.9	0.1
100YR4HR	BASIN-3	BASE	1.58	80.35	88.00	131594	24.86	1.52	1.1	0.1
100YR4HR	BASIN-3	BASE	1.67	80.40	88.00	135649	27.04	1.57	1.3	0.1
100YR4HR	BASIN-3	BASE	1.75	80.46	88.00	139909	29.60	1.62	1.5	0.2
100YR4HR	BASIN-3	BASE	1.83	80.52	88.00	144498	32.47	1.67	1.7	0.2
100YR4HR	BASIN-3	BASE	1.92	80.59	88.00	149357	35.22	1.73	1.9	0.2

100YR4HR BASIN 2 POST RECOVERY

100YR4HR BASIN-3 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-3	BASE	50.58	80.01	88.00	106657	0.00	1.23	8.6	8.5
100YR4HR	BASIN-3	BASE	50.67	80.01	88.00	106400	0.00	1.23	8.6	8.5
100YR4HR	BASIN-3	BASE	50.75	80.00	88.00	106144	0.00	1.23	8.6	8.5
100YR4HR	BASIN-3	BASE	50.83	80.00	88.00	105887	0.00	1.23	8.6	8.5
100YR4HR	BASIN-3	BASE	50.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.00	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.08	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.17	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.25	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.33	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.42	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.50	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.58	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.67	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.75	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.83	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	51.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.00	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.08	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.17	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.25	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.33	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.42	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.50	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.58	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.67	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.75	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.83	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	52.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.00	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.08	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.17	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.25	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.33	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.42	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.50	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.58	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.67	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.75	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.83	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	53.92	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.00	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.08	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.17	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.25	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.33	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.42	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.50	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.58	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.67	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.75	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.83	80.00	88.00	105790	0.00	0.00	8.6	8.6
100YR4HR	BASIN-3	BASE	54.92	80.00	88.00	105790	0.00	0.00	8.6	8.6

Alachua Solar Post-Development Recovery Analysis

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-4	BASE	3.00	85.11	87.00	197298	5.44	2.28	0.9	0.4
100YR4HR	BASIN-4	BASE	3.08	85.11	87.00	197384	5.24	2.28	0.9	0.4
100YR4HR	BASIN-4	BASE	3.17	85.11	87.00	197463	4.92	2.29	1.0	0.5
100YR4HR	BASIN-4	BASE	3.25	85.12	87.00	197531	4.48	2.29	1.0	0.5
100YR4HR	BASIN-4	BASE	3.33	85.12	87.00	197587	4.03	2.29	1.0	0.5
100YR4HR	BASIN-4	BASE	3.42	85.12	87.00	197631	3.64	2.29	1.1	0.5
100YR4HR	BASIN-4	BASE	3.50	85.12	87.00	197664	3.33	2.29	1.1	0.5
100YR4HR	BASIN-4	BASE	3.58	85.13	87.00	197690	3.05	2.29	1.1	0.5
100YR4HR	BASIN-4	BASE	3.67	85.13	87.00	197707	2.76	2.29	1.1	0.5
100YR4HR	BASIN-4	BASE	3.75	85.13	87.00	197716	2.45	2.29	1.1	0.6
100YR4HR	BASIN-4	BASE	3.84	85.13	87.00	197716	2.16	2.29	1.2	0.6
100YR4HR	BASIN-4	BASE	3.92	85.13	87.00	197709	1.92	2.29	1.2	0.6
100YR4HR	BASIN-4	BASE	4.00	85.13	87.00	197696	1.71	2.29	1.2	0.6
100YR4HR	BASIN-4	BASE	4.08	85.13	87.00	197677	1.53	2.29	1.2	0.6
100YR4HR	BASIN-4	BASE	4.17	85.12	87.00	197653	1.34	2.29	1.2	0.6
100YR4HR	BASIN-4	BASE	4.25	85.12	87.00	197624	1.13	2.29	1.2	0.7
100YR4HR	BASIN-4	BASE	4.33	85.12	87.00	197589	0.95	2.29	1.2	0.7
100YR4HR	BASIN-4	BASE	4.42	85.12	87.00	197549	0.79	2.29	1.2	0.7
100YR4HR	BASIN-4	BASE	4.50	85.12	87.00	197505	0.65	2.29	1.2	0.7
100YR4HR	BASIN-4	BASE	4.58	85.11	87.00	197457	0.54	2.29	1.2	0.7
100YR4HR	BASIN-4	BASE	4.67	85.11	87.00	197407	0.44	2.28	1.2	0.7
100YR4HR	BASIN-4	BASE	4.75	85.11	87.00	197354	0.36	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	4.83	85.11	87.00	197299	0.30	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	4.92	85.10	87.00	197242	0.24	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	5.00	85.10	87.00	197184	0.20	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	5.08	85.10	87.00	197125	0.16	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	5.17	85.09	87.00	197064	0.12	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	5.25	85.09	87.00	197003	0.10	2.28	1.2	0.8
100YR4HR	BASIN-4	BASE	5.33	85.09	87.00	196941	0.08	2.28	1.2	0.9
100YR4HR	BASIN-4	BASE	5.42	85.08	87.00	196879	0.06	2.28	1.2	0.9
100YR4HR	BASIN-4	BASE	5.50	85.08	87.00	196816	0.05	2.28	1.2	0.9
100YR4HR	BASIN-4	BASE	5.58	85.08	87.00	196753	0.03	2.28	1.2	0.9
100YR4HR	BASIN-4	BASE	5.67	85.07	87.00	196689	0.02	2.28	1.2	0.9
100YR4HR	BASIN-4	BASE	5.75	85.07	87.00	196625	0.02	2.28	1.2	0.9
100YR4HR	BASIN-4	BASE	5.83	85.07	87.00	196562	0.01	2.28	1.2	1.0
100YR4HR	BASIN-4	BASE	5.92	85.06	87.00	196498	0.01	2.27	1.2	1.0
100YR4HR	BASIN-4	BASE	6.00	85.06	87.00	196433	0.01	2.27	1.3	1.0
100YR4HR	BASIN-4	BASE	6.08	85.06	87.00	196369	0.00	2.27	1.3	1.0
100YR4HR	BASIN-4	BASE	6.17	85.05	87.00	196305	0.00	2.27	1.3	1.0
100YR4HR	BASIN-4	BASE	6.25	85.05	87.00	196240	0.00	2.27	1.3	1.0
100YR4HR	BASIN-4	BASE	6.33	85.04	87.00	196176	0.00	2.27	1.3	1.0
100YR4HR	BASIN-4	BASE	6.42	85.04	87.00	196112	0.00	2.27	1.3	1.1
100YR4HR	BASIN-4	BASE	6.50	85.04	87.00	196047	0.00	2.27	1.3	1.1
100YR4HR	BASIN-4	BASE	6.58	85.03	87.00	195983	0.00	2.27	1.3	1.1
100YR4HR	BASIN-4	BASE	6.67	85.03	87.00	195919	0.00	2.27	1.3	1.1
100YR4HR	BASIN-4	BASE	6.75	85.03	87.00	195855	0.00	2.27	1.3	1.1
100YR4HR	BASIN-4	BASE	6.83	85.02	87.00	195790	0.00	2.27	1.3	1.1
100YR4HR	BASIN-4	BASE	6.92	85.02	87.00	195726	0.00	2.27	1.3	1.2
100YR4HR	BASIN-4	BASE	7.00	85.02	87.00	195662	0.00	2.26	1.3	1.2
100YR4HR	BASIN-4	BASE	7.08	85.01	87.00	195597	0.00	2.26	1.3	1.2
100YR4HR	BASIN-4	BASE	7.17	85.01	87.00	195533	0.00	2.26	1.3	1.2
100YR4HR	BASIN-4	BASE	7.25	85.01	87.00	195468	0.00	2.26	1.3	1.2
100YR4HR	BASIN-4	BASE	7.33	85.00	87.00	195404	0.00	2.26	1.3	1.2

100YR4HR BASIN 4 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-5	BASE	17.25	87.11	89.00	483442	0.00	5.60	9.0	7.8
100YR4HR	BASIN-5	BASE	17.33	87.11	89.00	483298	0.00	5.59	9.0	7.8
100YR4HR	BASIN-5	BASE	17.42	87.10	89.00	483153	0.00	5.59	9.0	7.9
100YR4HR	BASIN-5	BASE	17.50	87.10	89.00	483008	0.00	5.59	9.0	7.9
100YR4HR	BASIN-5	BASE	17.58	87.09	89.00	482863	0.00	5.59	9.0	8.0
100YR4HR	BASIN-5	BASE	17.67	87.09	89.00	482718	0.00	5.59	9.0	8.0
100YR4HR	BASIN-5	BASE	17.75	87.09	89.00	482573	0.00	5.59	9.0	8.0
100YR4HR	BASIN-5	BASE	17.83	87.08	89.00	482428	0.00	5.58	9.0	8.1
100YR4HR	BASIN-5	BASE	17.92	87.08	89.00	482284	0.00	5.58	9.0	8.1
100YR4HR	BASIN-5	BASE	18.00	87.08	89.00	482139	0.00	5.58	9.0	8.2
100YR4HR	BASIN-5	BASE	18.08	87.07	89.00	481994	0.00	5.58	9.0	8.2
100YR4HR	BASIN-5	BASE	18.17	87.07	89.00	481850	0.00	5.58	9.0	8.2
100YR4HR	BASIN-5	BASE	18.25	87.07	89.00	481705	0.00	5.58	9.0	8.3
100YR4HR	BASIN-5	BASE	18.33	87.06	89.00	481560	0.00	5.57	9.0	8.3
100YR4HR	BASIN-5	BASE	18.42	87.06	89.00	481415	0.00	5.57	9.0	8.3
100YR4HR	BASIN-5	BASE	18.50	87.06	89.00	481271	0.00	5.57	9.0	8.4
100YR4HR	BASIN-5	BASE	18.58	87.05	89.00	481126	0.00	5.57	9.0	8.4
100YR4HR	BASIN-5	BASE	18.67	87.05	89.00	480981	0.00	5.57	9.0	8.5
100YR4HR	BASIN-5	BASE	18.75	87.05	89.00	480836	0.00	5.57	9.0	8.5
100YR4HR	BASIN-5	BASE	18.83	87.04	89.00	480691	0.00	5.56	9.0	8.5
100YR4HR	BASIN-5	BASE	18.92	87.04	89.00	480546	0.00	5.56	9.0	8.6
100YR4HR	BASIN-5	BASE	19.00	87.04	89.00	480402	0.00	5.56	9.0	8.6
100YR4HR	BASIN-5	BASE	19.08	87.03	89.00	480257	0.00	5.56	9.0	8.7
100YR4HR	BASIN-5	BASE	19.17	87.03	89.00	480113	0.00	5.56	9.0	8.7
100YR4HR	BASIN-5	BASE	19.25	87.03	89.00	479968	0.00	5.56	9.0	8.7
100YR4HR	BASIN-5	BASE	19.33	87.02	89.00	479823	0.00	5.55	9.0	8.8
100YR4HR	BASIN-5	BASE	19.42	87.02	89.00	479678	0.00	5.55	9.0	8.8
100YR4HR	BASIN-5	BASE	19.50	87.02	89.00	479533	0.00	5.55	9.0	8.8
100YR4HR	BASIN-5	BASE	19.58	87.01	89.00	479388	0.00	5.55	9.0	8.9
100YR4HR	BASIN-5	BASE	19.67	87.01	89.00	479244	0.00	5.55	9.0	8.9
100YR4HR	BASIN-5	BASE	19.75	87.00	89.00	479099	0.00	5.55	9.0	9.0
100YR4HR	BASIN-5	BASE	19.83	87.00	89.00	478955	0.00	5.54	9.0	9.0
100YR4HR	BASIN-5	BASE	19.92	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.00	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.08	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.17	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.25	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.33	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.42	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.50	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.58	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.67	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.75	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.83	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	20.92	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.00	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.08	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.17	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.25	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.33	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.42	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.50	87.00	89.00	478907	0.00	0.00	9.0	9.0
100YR4HR	BASIN-5	BASE	21.58	87.00	89.00	478907	0.00	0.00	9.0	9.0

100YR4HR BASIN 5 POST RECOVERY

Alachua Solar Post-Development Recovery Analysis

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-6	BASE	5.00	85.13	87.00	386488	0.59	4.47	2.7	1.6
100YR4HR	BASIN-6	BASE	5.08	85.13	87.00	386408	0.48	4.47	2.7	1.6
100YR4HR	BASIN-6	BASE	5.17	85.13	87.00	386326	0.39	4.47	2.7	1.6
100YR4HR	BASIN-6	BASE	5.25	85.12	87.00	386243	0.32	4.47	2.8	1.7
100YR4HR	BASIN-6	BASE	5.33	85.12	87.00	386158	0.25	4.47	2.8	1.7
100YR4HR	BASIN-6	BASE	5.42	85.12	87.00	386072	0.20	4.47	2.8	1.7
100YR4HR	BASIN-6	BASE	5.50	85.11	87.00	385984	0.15	4.47	2.8	1.8
100YR4HR	BASIN-6	BASE	5.58	85.11	87.00	385897	0.12	4.47	2.8	1.8
100YR4HR	BASIN-6	BASE	5.67	85.11	87.00	385808	0.09	4.47	2.8	1.8
100YR4HR	BASIN-6	BASE	5.75	85.10	87.00	385719	0.07	4.46	2.8	1.8
100YR4HR	BASIN-6	BASE	5.83	85.10	87.00	385630	0.05	4.46	2.8	1.9
100YR4HR	BASIN-6	BASE	5.92	85.10	87.00	385540	0.04	4.46	2.8	1.9
100YR4HR	BASIN-6	BASE	6.00	85.09	87.00	385450	0.03	4.46	2.8	1.9
100YR4HR	BASIN-6	BASE	6.08	85.09	87.00	385360	0.02	4.46	2.8	2.0
100YR4HR	BASIN-6	BASE	6.17	85.09	87.00	385270	0.01	4.46	2.8	2.0
100YR4HR	BASIN-6	BASE	6.25	85.08	87.00	385179	0.01	4.46	2.8	2.0
100YR4HR	BASIN-6	BASE	6.33	85.08	87.00	385089	0.00	4.46	2.8	2.1
100YR4HR	BASIN-6	BASE	6.42	85.08	87.00	384998	0.00	4.46	2.8	2.1
100YR4HR	BASIN-6	BASE	6.50	85.07	87.00	384908	0.00	4.45	2.8	2.1
100YR4HR	BASIN-6	BASE	6.58	85.07	87.00	384817	0.00	4.45	2.8	2.2
100YR4HR	BASIN-6	BASE	6.67	85.07	87.00	384727	0.00	4.45	2.8	2.2
100YR4HR	BASIN-6	BASE	6.75	85.06	87.00	384636	0.00	4.45	2.8	2.2
100YR4HR	BASIN-6	BASE	6.83	85.06	87.00	384545	0.00	4.45	2.8	2.2
100YR4HR	BASIN-6	BASE	6.92	85.05	87.00	384455	0.00	4.45	2.8	2.3
100YR4HR	BASIN-6	BASE	7.00	85.05	87.00	384364	0.00	4.45	2.8	2.3
100YR4HR	BASIN-6	BASE	7.08	85.05	87.00	384273	0.00	4.45	2.8	2.3
100YR4HR	BASIN-6	BASE	7.17	85.04	87.00	384183	0.00	4.45	2.8	2.4
100YR4HR	BASIN-6	BASE	7.25	85.04	87.00	384092	0.00	4.45	2.8	2.4
100YR4HR	BASIN-6	BASE	7.33	85.04	87.00	384001	0.00	4.44	2.8	2.4
100YR4HR	BASIN-6	BASE	7.42	85.03	87.00	383911	0.00	4.44	2.8	2.5
100YR4HR	BASIN-6	BASE	7.50	85.03	87.00	383821	0.00	4.44	2.8	2.5
100YR4HR	BASIN-6	BASE	7.58	85.03	87.00	383730	0.00	4.44	2.8	2.5
100YR4HR	BASIN-6	BASE	7.67	85.02	87.00	383639	0.00	4.44	2.8	2.6
100YR4HR	BASIN-6	BASE	7.75	85.02	87.00	383549	0.00	4.44	2.8	2.6
100YR4HR	BASIN-6	BASE	7.83	85.02	87.00	383458	0.00	4.44	2.8	2.6
100YR4HR	BASIN-6	BASE	7.92	85.01	87.00	383367	0.00	4.44	2.8	2.6
100YR4HR	BASIN-6	BASE	8.00	85.01	87.00	383277	0.00	4.44	2.8	2.7
100YR4HR	BASIN-6	BASE	8.08	85.01	87.00	383186	0.00	4.44	2.8	2.7
100YR4HR	BASIN-6	BASE	8.17	85.00	87.00	383095	0.00	4.43	2.8	2.7
100YR4HR	BASIN-6	BASE	8.25	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.33	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.42	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.50	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.58	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.67	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.75	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.83	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	8.92	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	9.00	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	9.08	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	9.17	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	9.25	85.00	87.00	383023	0.00	0.00	2.8	2.8
100YR4HR	BASIN-6	BASE	9.33	85.00	87.00	383023	0.00	0.00	2.8	2.8

100YR4HR BASIN 6 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-7	BASE	10.42	78.11	80.00	313405	0.00	3.63	3.7	2.9
100YR4HR	BASIN-7	BASE	10.50	78.11	80.00	313327	0.00	3.63	3.7	3.0
100YR4HR	BASIN-7	BASE	10.58	78.10	80.00	313250	0.00	3.63	3.7	3.0
100YR4HR	BASIN-7	BASE	10.67	78.10	80.00	313173	0.00	3.62	3.7	3.0
100YR4HR	BASIN-7	BASE	10.75	78.10	80.00	313096	0.00	3.62	3.7	3.0
100YR4HR	BASIN-7	BASE	10.83	78.09	80.00	313018	0.00	3.62	3.7	3.1
100YR4HR	BASIN-7	BASE	10.92	78.09	80.00	312941	0.00	3.62	3.7	3.1
100YR4HR	BASIN-7	BASE	11.00	78.08	80.00	312863	0.00	3.62	3.7	3.1
100YR4HR	BASIN-7	BASE	11.08	78.08	80.00	312786	0.00	3.62	3.7	3.1
100YR4HR	BASIN-7	BASE	11.17	78.08	80.00	312708	0.00	3.62	3.7	3.2
100YR4HR	BASIN-7	BASE	11.25	78.07	80.00	312631	0.00	3.62	3.7	3.2
100YR4HR	BASIN-7	BASE	11.33	78.07	80.00	312554	0.00	3.62	3.7	3.2
100YR4HR	BASIN-7	BASE	11.42	78.07	80.00	312476	0.00	3.62	3.7	3.2
100YR4HR	BASIN-7	BASE	11.50	78.06	80.00	312399	0.00	3.62	3.7	3.3
100YR4HR	BASIN-7	BASE	11.58	78.06	80.00	312322	0.00	3.61	3.7	3.3
100YR4HR	BASIN-7	BASE	11.67	78.06	80.00	312244	0.00	3.61	3.7	3.3
100YR4HR	BASIN-7	BASE	11.75	78.05	80.00	312167	0.00	3.61	3.7	3.3
100YR4HR	BASIN-7	BASE	11.83	78.05	80.00	312089	0.00	3.61	3.7	3.4
100YR4HR	BASIN-7	BASE	11.92	78.05	80.00	312012	0.00	3.61	3.7	3.4
100YR4HR	BASIN-7	BASE	12.00	78.04	80.00	311934	0.00	3.61	3.7	3.4
100YR4HR	BASIN-7	BASE	12.08	78.04	80.00	311857	0.00	3.61	3.7	3.4
100YR4HR	BASIN-7	BASE	12.17	78.04	80.00	311780	0.00	3.61	3.7	3.5
100YR4HR	BASIN-7	BASE	12.25	78.03	80.00	311702	0.00	3.61	3.7	3.5
100YR4HR	BASIN-7	BASE	12.33	78.03	80.00	311625	0.00	3.61	3.7	3.5
100YR4HR	BASIN-7	BASE	12.42	78.03	80.00	311548	0.00	3.61	3.7	3.5
100YR4HR	BASIN-7	BASE	12.50	78.02	80.00	311470	0.00	3.60	3.7	3.6
100YR4HR	BASIN-7	BASE	12.58	78.02	80.00	311393	0.00	3.60	3.7	3.6
100YR4HR	BASIN-7	BASE	12.67	78.02	80.00	311315	0.00	3.60	3.7	3.6
100YR4HR	BASIN-7	BASE	12.75	78.01	80.00	311238	0.00	3.60	3.7	3.6
100YR4HR	BASIN-7	BASE	12.83	78.01	80.00	311160	0.00	3.60	3.7	3.7
100YR4HR	BASIN-7	BASE	12.92	78.01	80.00	311083	0.00	3.60	3.7	3.7
100YR4HR	BASIN-7	BASE	13.00	78.00	80.00	311006	0.00	3.60	3.7	3.7
100YR4HR	BASIN-7	BASE	13.08	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.17	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.25	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.33	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.42	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.50	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.58	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.67	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.75	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.83	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	13.92	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.00	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.08	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.17	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.25	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.33	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.42	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.50	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.58	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.67	78.00	80.00	310970	0.00	0.00	3.7	3.7
100YR4HR	BASIN-7	BASE	14.75	78.00	80.00	310970	0.00	0.00	3.7	3.7

100YR4HR BASIN 7 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-8	BASE	2.58	86.02	87.00	27448	1.78	1.81	0.2	0.2
100YR4HR	BASIN-8	BASE	2.67	86.02	87.00	27427	1.71	1.79	0.2	0.2
100YR4HR	BASIN-8	BASE	2.75	86.02	87.00	27384	1.61	1.74	0.2	0.2
100YR4HR	BASIN-8	BASE	2.83	86.02	87.00	27327	1.52	1.68	0.2	0.2
100YR4HR	BASIN-8	BASE	2.92	86.02	87.00	27266	1.46	1.61	0.2	0.2
100YR4HR	BASIN-8	BASE	3.00	86.01	87.00	27209	1.41	1.54	0.3	0.3
100YR4HR	BASIN-8	BASE	3.08	86.01	87.00	27154	1.34	1.47	0.3	0.3
100YR4HR	BASIN-8	BASE	3.17	86.01	87.00	27090	1.21	1.39	0.3	0.3
100YR4HR	BASIN-8	BASE	3.25	86.01	87.00	27012	1.06	1.27	0.3	0.3
100YR4HR	BASIN-8	BASE	3.33	86.01	87.00	26930	0.93	1.13	0.3	0.3
100YR4HR	BASIN-8	BASE	3.42	86.00	87.00	26858	0.83	0.99	0.3	0.3
100YR4HR	BASIN-8	BASE	3.50	86.00	87.00	26805	0.75	0.86	0.3	0.3
100YR4HR	BASIN-8	BASE	3.58	86.00	87.00	26770	0.68	0.75	0.3	0.3
100YR4HR	BASIN-8	BASE	3.67	86.00	87.00	26743	0.60	0.65	0.3	0.3
100YR4HR	BASIN-8	BASE	3.75	86.00	87.00	26724	0.51	0.55	0.3	0.3
100YR4HR	BASIN-8	BASE	3.84	86.00	87.00	26712	0.44	0.46	0.3	0.3
100YR4HR	BASIN-8	BASE	3.92	86.00	87.00	26709	0.39	0.39	0.3	0.3
100YR4HR	BASIN-8	BASE	4.00	86.00	87.00	26709	0.34	0.34	0.3	0.3
100YR4HR	BASIN-8	BASE	4.08	86.00	87.00	26708	0.30	0.30	0.3	0.3
100YR4HR	BASIN-8	BASE	4.17	86.00	87.00	26707	0.25	0.25	0.3	0.3
100YR4HR	BASIN-8	BASE	4.25	86.00	87.00	26706	0.20	0.20	0.3	0.3
100YR4HR	BASIN-8	BASE	4.33	86.00	87.00	26706	0.16	0.16	0.3	0.3
100YR4HR	BASIN-8	BASE	4.42	86.00	87.00	26705	0.12	0.12	0.3	0.3
100YR4HR	BASIN-8	BASE	4.50	86.00	87.00	26705	0.10	0.10	0.3	0.3
100YR4HR	BASIN-8	BASE	4.58	86.00	87.00	26705	0.08	0.08	0.3	0.3
100YR4HR	BASIN-8	BASE	4.67	86.00	87.00	26704	0.06	0.06	0.3	0.3
100YR4HR	BASIN-8	BASE	4.75	86.00	87.00	115	0.05	-0.43	0.3	0.3
100YR4HR	BASIN-8	BASE	4.83	86.00	87.00	115	0.04	-0.57	0.3	0.3
100YR4HR	BASIN-8	BASE	4.92	86.00	87.00	115	0.03	-0.60	0.3	0.3
100YR4HR	BASIN-8	BASE	5.00	86.00	87.00	115	0.02	-0.60	0.3	0.3
100YR4HR	BASIN-8	BASE	5.08	86.00	87.00	115	0.02	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.17	86.00	87.00	115	0.01	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.25	86.00	87.00	115	0.01	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.33	86.00	87.00	115	0.01	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.42	86.00	87.00	115	0.00	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.50	86.00	87.00	115	0.00	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.58	86.00	87.00	115	0.00	-0.61	0.3	0.3
100YR4HR	BASIN-8	BASE	5.67	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	5.75	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	5.83	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	5.92	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	6.00	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	6.08	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	6.17	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	6.25	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	6.33	86.00	87.00	115	0.00	-0.62	0.3	0.3
100YR4HR	BASIN-8	BASE	6.42	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR4HR	BASIN-8	BASE	6.50	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR4HR	BASIN-8	BASE	6.58	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR4HR	BASIN-8	BASE	6.67	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR4HR	BASIN-8	BASE	6.75	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR4HR	BASIN-8	BASE	6.83	86.00	87.00	115	0.00	-0.62	0.3	0.2
100YR4HR	BASIN-8	BASE	6.92	86.00	87.00	115	0.00	-0.62	0.3	0.2

100YR4HR BASIN 8 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR4HR	BASIN-9	BASE	8.00	77.07	79.75	153021	0.00	1.77	1.3	1.1
100YR4HR	BASIN-9	BASE	8.08	77.06	79.75	152969	0.00	1.77	1.3	1.1
100YR4HR	BASIN-9	BASE	8.17	77.06	79.75	152917	0.00	1.77	1.3	1.1
100YR4HR	BASIN-9	BASE	8.25	77.06	79.75	152865	0.00	1.77	1.3	1.1
100YR4HR	BASIN-9	BASE	8.33	77.05	79.75	152813	0.00	1.77	1.3	1.1
100YR4HR	BASIN-9	BASE	8.42	77.05	79.75	152761	0.00	1.77	1.3	1.1
100YR4HR	BASIN-9	BASE	8.50	77.05	79.75	152709	0.00	1.77	1.3	1.2
100YR4HR	BASIN-9	BASE	8.58	77.04	79.75	152656	0.00	1.77	1.3	1.2
100YR4HR	BASIN-9	BASE	8.67	77.04	79.75	152604	0.00	1.77	1.3	1.2
100YR4HR	BASIN-9	BASE	8.75	77.04	79.75	152552	0.00	1.77	1.3	1.2
100YR4HR	BASIN-9	BASE	8.83	77.03	79.75	152500	0.00	1.77	1.3	1.2
100YR4HR	BASIN-9	BASE	8.92	77.03	79.75	152448	0.00	1.76	1.3	1.2
100YR4HR	BASIN-9	BASE	9.00	77.03	79.75	152396	0.00	1.76	1.3	1.2
100YR4HR	BASIN-9	BASE	9.08	77.02	79.75	152344	0.00	1.76	1.3	1.2
100YR4HR	BASIN-9	BASE	9.17	77.02	79.75	152292	0.00	1.76	1.3	1.3
100YR4HR	BASIN-9	BASE	9.25	77.02	79.75	152240	0.00	1.76	1.3	1.3
100YR4HR	BASIN-9	BASE	9.33	77.01	79.75	152188	0.00	1.76	1.3	1.3
100YR4HR	BASIN-9	BASE	9.42	77.01	79.75	152136	0.00	1.76	1.3	1.3
100YR4HR	BASIN-9	BASE	9.50	77.01	79.75	152083	0.00	1.76	1.3	1.3
100YR4HR	BASIN-9	BASE	9.58	77.00	79.75	152031	0.00	1.76	1.3	1.3
100YR4HR	BASIN-9	BASE	9.67	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	9.75	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	9.83	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	9.92	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.00	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.08	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.17	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.25	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.33	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.42	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.50	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.58	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.67	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.75	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.83	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	10.92	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.00	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.08	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.17	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.25	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.33	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.42	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.50	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.58	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.67	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.75	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.83	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	11.92	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	12.00	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	12.08	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	12.17	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	12.25	77.00	79.75	152007	0.00	0.00	1.3	1.3
100YR4HR	BASIN-9	BASE	12.33	77.00	79.75	152007	0.00	0.00	1.3	1.3

100YR4HR BASIN 9 POST RECOVERY

100YR8HR BASIN-1 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-1	BASE	26.67	84.02	86.00	5005	0.00	0.06	0.2	0.2
100YR8HR	BASIN-1	BASE	26.75	84.01	86.00	4971	0.00	0.06	0.2	0.2
100YR8HR	BASIN-1	BASE	26.83	84.01	86.00	4936	0.00	0.06	0.2	0.2
100YR8HR	BASIN-1	BASE	26.92	84.01	86.00	4902	0.00	0.06	0.2	0.2
100YR8HR	BASIN-1	BASE	27.00	84.00	86.00	4868	0.00	0.06	0.2	0.2
100YR8HR	BASIN-1	BASE	27.08	84.00	86.00	4834	0.00	0.06	0.2	0.2
100YR8HR	BASIN-1	BASE	27.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	27.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.00	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	28.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.00	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	29.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.00	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.08	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.17	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.25	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.33	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.42	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.50	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.58	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.67	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.75	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.83	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	30.92	84.00	86.00	4831	0.00	0.00	0.2	0.2
100YR8HR	BASIN-1	BASE	31.00	84.00	86.00	4831	0.00	0.00	0.2	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-10	BASE	74.00	72.18	79.00	15097	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.08	72.17	79.00	15005	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.17	72.17	79.00	14913	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.25	72.17	79.00	14821	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.33	72.16	79.00	14729	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.42	72.16	79.00	14638	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.50	72.16	79.00	14546	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.58	72.15	79.00	14454	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.67	72.15	79.00	14362	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.75	72.15	79.00	14270	0.00	0.17	5.0	4.9
100YR8HR	BASIN-10	BASE	74.83	72.14	79.00	14179	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	74.92	72.14	79.00	14087	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.00	72.14	79.00	13995	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.08	72.13	79.00	13903	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.17	72.13	79.00	13811	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.25	72.13	79.00	13719	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.33	72.12	79.00	13627	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.42	72.12	79.00	13536	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.50	72.11	79.00	13444	0.00	0.16	5.0	4.9
100YR8HR	BASIN-10	BASE	75.58	72.11	79.00	13352	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	75.67	72.11	79.00	13260	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	75.75	72.10	79.00	13168	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	75.83	72.10	79.00	13076	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	75.92	72.10	79.00	12984	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	76.00	72.09	79.00	12892	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	76.08	72.09	79.00	12800	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	76.17	72.09	79.00	12709	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	76.25	72.08	79.00	12617	0.00	0.15	5.0	5.0
100YR8HR	BASIN-10	BASE	76.33	72.08	79.00	12525	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.42	72.08	79.00	12433	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.50	72.07	79.00	12341	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.58	72.07	79.00	12250	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.67	72.07	79.00	12158	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.75	72.06	79.00	12066	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.83	72.06	79.00	11974	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	76.92	72.06	79.00	11882	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	77.00	72.05	79.00	11790	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	77.08	72.05	79.00	11699	0.00	0.14	5.0	5.0
100YR8HR	BASIN-10	BASE	77.17	72.05	79.00	11607	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.25	72.04	79.00	11515	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.33	72.04	79.00	11423	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.42	72.03	79.00	11331	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.50	72.03	79.00	11239	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.58	72.03	79.00	11147	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.67	72.02	79.00	11055	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.75	72.02	79.00	10963	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.83	72.02	79.00	10871	0.00	0.13	5.0	5.0
100YR8HR	BASIN-10	BASE	77.92	72.01	79.00	10780	0.00	0.12	5.0	5.0
100YR8HR	BASIN-10	BASE	78.00	72.01	79.00	10688	0.00	0.12	5.0	5.0
100YR8HR	BASIN-10	BASE	78.08	72.01	79.00	10596	0.00	0.12	5.0	5.0
100YR8HR	BASIN-10	BASE	78.17	72.00	79.00	10504	0.00	0.12	5.0	5.0
100YR8HR	BASIN-10	BASE	78.25	72.00	79.00	10412	0.00	0.12	5.0	5.0
100YR8HR	BASIN-10	BASE	78.33	72.00	79.00	10411	0.00	0.00	5.0	5.0

100YR8HR BASIN 10 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-11	BASE	6.51	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	6.59	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	6.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	6.76	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	6.84	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	6.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.01	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.09	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.26	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.34	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.51	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.59	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.76	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.84	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	7.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.01	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.09	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.26	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.34	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.51	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	8.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.83	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	9.92	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.00	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.08	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.17	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.25	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.33	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.42	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.50	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.58	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.67	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.75	81.00	84.00	2056	0.00	0.00	0.0	0.0
100YR8HR	BASIN-11	BASE	10.83	81.00	84.00	2056	0.00	0.00	0.0	0.0

100YR8HR BASIN 11 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-12	BASE	27.33	82.06	84.00	19574	0.00	0.23	1.3	1.3
100YR8HR	BASIN-12	BASE	27.42	82.06	84.00	19326	0.00	0.22	1.3	1.3
100YR8HR	BASIN-12	BASE	27.50	82.06	84.00	19078	0.00	0.22	1.3	1.3
100YR8HR	BASIN-12	BASE	27.58	82.05	84.00	18831	0.00	0.22	1.3	1.3
100YR8HR	BASIN-12	BASE	27.67	82.05	84.00	18583	0.00	0.22	1.3	1.3
100YR8HR	BASIN-12	BASE	27.75	82.05	84.00	18335	0.00	0.21	1.3	1.3
100YR8HR	BASIN-12	BASE	27.83	82.04	84.00	18087	0.00	0.21	1.3	1.3
100YR8HR	BASIN-12	BASE	27.92	82.04	84.00	17839	0.00	0.21	1.3	1.3
100YR8HR	BASIN-12	BASE	28.00	82.04	84.00	17591	0.00	0.20	1.3	1.3
100YR8HR	BASIN-12	BASE	28.08	82.03	84.00	17342	0.00	0.20	1.3	1.3
100YR8HR	BASIN-12	BASE	28.17	82.03	84.00	17094	0.00	0.20	1.3	1.3
100YR8HR	BASIN-12	BASE	28.25	82.03	84.00	16846	0.00	0.19	1.3	1.3
100YR8HR	BASIN-12	BASE	28.33	82.02	84.00	16598	0.00	0.19	1.3	1.3
100YR8HR	BASIN-12	BASE	28.42	82.02	84.00	16351	0.00	0.19	1.3	1.3
100YR8HR	BASIN-12	BASE	28.50	82.01	84.00	16103	0.00	0.19	1.3	1.3
100YR8HR	BASIN-12	BASE	28.58	82.01	84.00	15855	0.00	0.18	1.3	1.3
100YR8HR	BASIN-12	BASE	28.67	82.01	84.00	15607	0.00	0.18	1.3	1.3
100YR8HR	BASIN-12	BASE	28.75	82.00	84.00	15359	0.00	0.18	1.3	1.3
100YR8HR	BASIN-12	BASE	28.83	82.00	84.00	15111	0.00	0.17	1.3	1.3
100YR8HR	BASIN-12	BASE	28.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.67	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.75	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.83	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	29.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.67	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.75	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.83	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	30.92	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.00	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.08	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.17	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.25	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.33	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.42	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.50	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.58	82.00	84.00	15050	0.00	0.00	1.3	1.3
100YR8HR	BASIN-12	BASE	31.67	82.00	84.00	15050	0.00	0.00	1.3	1.3

100YR8HR BASIN 12 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-13	BASE	70.25	80.12	89.00	677	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.33	80.12	89.00	676	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.42	80.11	89.00	674	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.50	80.11	89.00	673	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.58	80.11	89.00	672	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.67	80.10	89.00	670	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.75	80.10	89.00	669	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.83	80.10	89.00	667	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	70.92	80.09	89.00	666	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.00	80.09	89.00	664	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.08	80.09	89.00	663	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.17	80.08	89.00	661	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.25	80.08	89.00	660	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.33	80.08	89.00	659	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.42	80.07	89.00	657	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.50	80.07	89.00	656	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.58	80.07	89.00	654	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.67	80.06	89.00	653	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.75	80.06	89.00	651	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.83	80.05	89.00	650	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	71.92	80.05	89.00	649	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.00	80.05	89.00	647	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.08	80.04	89.00	646	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.17	80.04	89.00	644	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.25	80.04	89.00	643	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.33	80.03	89.00	641	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.42	80.03	89.00	640	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.50	80.03	89.00	638	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.58	80.02	89.00	637	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.67	80.02	89.00	636	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.75	80.02	89.00	634	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.83	80.01	89.00	633	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	72.92	80.01	89.00	631	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	73.00	80.01	89.00	630	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	73.08	80.00	89.00	628	0.00	0.01	0.1	0.1
100YR8HR	BASIN-13	BASE	73.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.58	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.67	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.75	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.83	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	73.92	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.00	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.08	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.17	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.25	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.33	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.42	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.50	80.00	89.00	627	0.00	0.00	0.1	0.1
100YR8HR	BASIN-13	BASE	74.58	80.00	89.00	627	0.00	0.00	0.1	0.1

100YR8HR BASIN 13 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-14	BASE	73.42	75.08	84.00	226	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	73.50	75.07	84.00	221	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	73.58	75.07	84.00	216	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	73.67	75.07	84.00	210	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	73.75	75.06	84.00	205	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	73.83	75.06	84.00	200	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	73.92	75.06	84.00	194	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.00	75.05	84.00	189	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.08	75.05	84.00	184	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.17	75.05	84.00	178	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.25	75.04	84.00	173	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.33	75.04	84.00	168	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.42	75.04	84.00	162	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.50	75.03	84.00	157	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.58	75.03	84.00	152	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.67	75.02	84.00	147	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.75	75.02	84.00	141	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.83	75.02	84.00	136	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	74.92	75.01	84.00	131	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.00	75.01	84.00	125	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.08	75.01	84.00	120	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.17	75.00	84.00	115	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	75.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.75	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.83	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	76.92	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.00	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.08	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.17	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.25	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.33	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.42	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.50	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.58	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.67	75.00	84.00	113	0.00	0.00	0.2	0.2
100YR8HR	BASIN-14	BASE	77.75	75.00	84.00	113	0.00	0.00	0.2	0.2

100YR8HR BASIN 14 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-15	BASE	5.92	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.01	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.09	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.17	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.26	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.34	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.42	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.51	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.59	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.67	83.00	84.75	29686	0.01	0.01	0.0	0.0
100YR8HR	BASIN-15	BASE	6.76	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	6.84	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	6.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.01	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.09	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.26	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.34	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.51	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.59	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.76	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.84	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	7.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.01	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.09	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.26	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.34	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.51	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.58	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.83	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	8.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.25	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.33	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.42	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.50	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.58	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.67	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.75	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.83	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	9.92	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	10.00	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	10.08	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	10.17	83.00	84.75	29686	0.00	0.00	0.0	0.0
100YR8HR	BASIN-15	BASE	10.25	83.00	84.75	29686	0.00	0.00	0.0	0.0

100YR8HR BASIN 15 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-2	BASE	725.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	726.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	726.25	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	726.50	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	726.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	727.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	727.25	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	727.50	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	727.75	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	728.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-2	BASE	728.00	46.28	84.25	2183	0.00	0.00	1.2	1.0
100YR8HR	BASIN-3	BASE	0.00	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.08	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.17	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.25	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.33	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.42	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.50	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.58	80.00	88.00	105790	0.00	0.00	0.0	0.0
100YR8HR	BASIN-3	BASE	0.67	80.00	88.00	105790	0.01	0.01	0.0	0.0
100YR8HR	BASIN-3	BASE	0.75	80.00	88.00	105790	0.07	0.07	0.0	0.0
100YR8HR	BASIN-3	BASE	0.83	80.00	88.00	105790	0.20	0.20	0.0	0.0
100YR8HR	BASIN-3	BASE	0.92	80.00	88.00	105791	0.43	0.43	0.0	0.0
100YR8HR	BASIN-3	BASE	1.00	80.00	88.00	105792	0.68	0.68	0.0	0.0
100YR8HR	BASIN-3	BASE	1.09	80.00	88.00	105793	1.06	1.06	0.0	0.0
100YR8HR	BASIN-3	BASE	1.17	80.00	88.00	105826	1.67	1.22	0.0	0.0
100YR8HR	BASIN-3	BASE	1.25	80.00	88.00	106021	2.66	1.23	0.0	0.0
100YR8HR	BASIN-3	BASE	1.33	80.01	88.00	106459	3.94	1.23	0.1	0.0
100YR8HR	BASIN-3	BASE	1.42	80.02	88.00	107147	5.16	1.24	0.1	0.0
100YR8HR	BASIN-3	BASE	1.50	80.03	88.00	108066	6.25	1.25	0.1	0.1
100YR8HR	BASIN-3	BASE	1.58	80.05	88.00	109180	7.19	1.26	0.2	0.1
100YR8HR	BASIN-3	BASE	1.67	80.06	88.00	110453	7.97	1.28	0.2	0.1
100YR8HR	BASIN-3	BASE	1.75	80.08	88.00	111852	8.64	1.29	0.3	0.1
100YR8HR	BASIN-3	BASE	1.83	80.10	88.00	113353	9.23	1.31	0.3	0.1
100YR8HR	BASIN-3	BASE	1.92	80.12	88.00	114939	9.75	1.33	0.4	0.1
100YR8HR	BASIN-3	BASE	2.00	80.15	88.00	116592	10.21	1.35	0.5	0.1
100YR8HR	BASIN-3	BASE	2.08	80.17	88.00	118304	10.68	1.37	0.6	0.1
100YR8HR	BASIN-3	BASE	2.17	80.19	88.00	120081	11.22	1.39	0.6	0.1
100YR8HR	BASIN-3	BASE	2.25	80.22	88.00	121940	11.90	1.41	0.7	0.1
100YR8HR	BASIN-3	BASE	2.33	80.25	88.00	123897	12.67	1.43	0.8	0.1
100YR8HR	BASIN-3	BASE	2.42	80.27	88.00	125953	13.42	1.46	0.9	0.2
100YR8HR	BASIN-3	BASE	2.50	80.30	88.00	128096	14.10	1.48	1.0	0.2
100YR8HR	BASIN-3	BASE	2.58	80.33	88.00	130307	14.70	1.51	1.1	0.2
100YR8HR	BASIN-3	BASE	2.67	80.36	88.00	132570	15.21	1.53	1.2	0.2
100YR8HR	BASIN-3	BASE	2.75	80.39	88.00	134871	15.66	1.56	1.3	0.2
100YR8HR	BASIN-3	BASE	2.83	80.43	88.00	137197	16.07	1.59	1.4	0.2
100YR8HR	BASIN-3	BASE	2.92	80.46	88.00	139540	16.42	1.62	1.5	0.2
100YR8HR	BASIN-3	BASE	3.00	80.49	88.00	141893	16.74	1.64	1.6	0.2
100YR8HR	BASIN-3	BASE	3.08	80.52	88.00	144280	17.42	1.67	1.7	0.2
100YR8HR	BASIN-3	BASE	3.17	80.56	88.00	146786	18.89	1.70	1.9	0.3
100YR8HR	BASIN-3	BASE	3.25	80.59	88.00	149566	21.60	1.73	2.0	0.3
100YR8HR	BASIN-3	BASE	3.33	80.64	88.00	152744	25.14	1.77	2.2	0.3

100YR8HR BASIN 2 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-3	BASE	56.42	80.11	88.00	113884	0.00	1.32	10.3	10.0
100YR8HR	BASIN-3	BASE	56.50	80.11	88.00	113627	0.00	1.32	10.3	10.0
100YR8HR	BASIN-3	BASE	56.58	80.10	88.00	113371	0.00	1.31	10.3	10.1
100YR8HR	BASIN-3	BASE	56.67	80.10	88.00	113114	0.00	1.31	10.3	10.1
100YR8HR	BASIN-3	BASE	56.75	80.10	88.00	112857	0.00	1.31	10.3	10.1
100YR8HR	BASIN-3	BASE	56.83	80.09	88.00	112601	0.00	1.30	10.3	10.1
100YR8HR	BASIN-3	BASE	56.92	80.09	88.00	112344	0.00	1.30	10.3	10.1
100YR8HR	BASIN-3	BASE	57.00	80.09	88.00	112088	0.00	1.30	10.3	10.1
100YR8HR	BASIN-3	BASE	57.08	80.08	88.00	111831	0.00	1.29	10.3	10.1
100YR8HR	BASIN-3	BASE	57.17	80.08	88.00	111575	0.00	1.29	10.3	10.1
100YR8HR	BASIN-3	BASE	57.25	80.07	88.00	111319	0.00	1.29	10.3	10.1
100YR8HR	BASIN-3	BASE	57.33	80.07	88.00	111063	0.00	1.29	10.3	10.1
100YR8HR	BASIN-3	BASE	57.42	80.07	88.00	110806	0.00	1.28	10.3	10.1
100YR8HR	BASIN-3	BASE	57.50	80.06	88.00	110550	0.00	1.28	10.3	10.2
100YR8HR	BASIN-3	BASE	57.58	80.06	88.00	110293	0.00	1.28	10.3	10.2
100YR8HR	BASIN-3	BASE	57.67	80.06	88.00	110037	0.00	1.27	10.3	10.2
100YR8HR	BASIN-3	BASE	57.75	80.05	88.00	109780	0.00	1.27	10.3	10.2
100YR8HR	BASIN-3	BASE	57.83	80.05	88.00	109523	0.00	1.27	10.3	10.2
100YR8HR	BASIN-3	BASE	57.92	80.05	88.00	109267	0.00	1.26	10.3	10.2
100YR8HR	BASIN-3	BASE	58.00	80.04	88.00	109010	0.00	1.26	10.3	10.2
100YR8HR	BASIN-3	BASE	58.08	80.04	88.00	108755	0.00	1.26	10.3	10.2
100YR8HR	BASIN-3	BASE	58.17	80.04	88.00	108499	0.00	1.26	10.3	10.2
100YR8HR	BASIN-3	BASE	58.25	80.03	88.00	108242	0.00	1.25	10.3	10.2
100YR8HR	BASIN-3	BASE	58.33	80.03	88.00	107985	0.00	1.25	10.3	10.2
100YR8HR	BASIN-3	BASE	58.42	80.03	88.00	107729	0.00	1.25	10.3	10.2
100YR8HR	BASIN-3	BASE	58.50	80.02	88.00	107472	0.00	1.24	10.3	10.3
100YR8HR	BASIN-3	BASE	58.58	80.02	88.00	107216	0.00	1.24	10.3	10.3
100YR8HR	BASIN-3	BASE	58.67	80.02	88.00	106959	0.00	1.24	10.3	10.3
100YR8HR	BASIN-3	BASE	58.75	80.01	88.00	106703	0.00	1.23	10.3	10.3
100YR8HR	BASIN-3	BASE	58.83	80.01	88.00	106446	0.00	1.23	10.3	10.3
100YR8HR	BASIN-3	BASE	58.92	80.01	88.00	106191	0.00	1.23	10.3	10.3
100YR8HR	BASIN-3	BASE	59.00	80.00	88.00	105934	0.00	1.23	10.3	10.3
100YR8HR	BASIN-3	BASE	59.08	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.17	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.25	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.33	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.42	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.50	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.58	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.67	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.75	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.83	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	59.92	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.00	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.08	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.17	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.25	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.33	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.42	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.50	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.58	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.67	80.00	88.00	105790	0.00	0.00	10.3	10.3
100YR8HR	BASIN-3	BASE	60.75	80.00	88.00	105790	0.00	0.00	10.3	10.3

100YR8HR BASIN-3 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-4	BASE	6.59	85.10	87.00	197279	1.07	2.28	1.4	0.9
100YR8HR	BASIN-4	BASE	6.67	85.10	87.00	197244	1.03	2.28	1.4	1.0
100YR8HR	BASIN-4	BASE	6.76	85.10	87.00	197209	1.01	2.28	1.4	1.0
100YR8HR	BASIN-4	BASE	6.84	85.10	87.00	197172	0.99	2.28	1.4	1.0
100YR8HR	BASIN-4	BASE	6.92	85.10	87.00	197136	0.97	2.28	1.4	1.0
100YR8HR	BASIN-4	BASE	7.01	85.09	87.00	197098	0.96	2.28	1.4	1.0
100YR8HR	BASIN-4	BASE	7.09	85.09	87.00	197061	0.94	2.28	1.4	1.0
100YR8HR	BASIN-4	BASE	7.17	85.09	87.00	197022	0.90	2.28	1.5	1.0
100YR8HR	BASIN-4	BASE	7.26	85.09	87.00	196983	0.85	2.28	1.5	1.1
100YR8HR	BASIN-4	BASE	7.34	85.09	87.00	196942	0.80	2.28	1.5	1.1
100YR8HR	BASIN-4	BASE	7.42	85.08	87.00	196900	0.76	2.28	1.5	1.1
100YR8HR	BASIN-4	BASE	7.51	85.08	87.00	196856	0.73	2.28	1.5	1.1
100YR8HR	BASIN-4	BASE	7.59	85.08	87.00	196812	0.70	2.28	1.5	1.1
100YR8HR	BASIN-4	BASE	7.67	85.08	87.00	196767	0.68	2.28	1.5	1.1
100YR8HR	BASIN-4	BASE	7.76	85.07	87.00	196722	0.66	2.28	1.5	1.2
100YR8HR	BASIN-4	BASE	7.84	85.07	87.00	196676	0.64	2.28	1.5	1.2
100YR8HR	BASIN-4	BASE	7.92	85.07	87.00	196629	0.63	2.28	1.5	1.2
100YR8HR	BASIN-4	BASE	8.01	85.07	87.00	196582	0.61	2.28	1.5	1.2
100YR8HR	BASIN-4	BASE	8.09	85.06	87.00	196535	0.59	2.27	1.5	1.2
100YR8HR	BASIN-4	BASE	8.17	85.06	87.00	196487	0.54	2.27	1.5	1.2
100YR8HR	BASIN-4	BASE	8.26	85.06	87.00	196437	0.47	2.27	1.5	1.2
100YR8HR	BASIN-4	BASE	8.34	85.06	87.00	196385	0.40	2.27	1.5	1.3
100YR8HR	BASIN-4	BASE	8.42	85.05	87.00	196331	0.33	2.27	1.5	1.3
100YR8HR	BASIN-4	BASE	8.51	85.05	87.00	196275	0.28	2.27	1.5	1.3
100YR8HR	BASIN-4	BASE	8.58	85.05	87.00	196223	0.24	2.27	1.5	1.3
100YR8HR	BASIN-4	BASE	8.67	85.04	87.00	196165	0.20	2.27	1.5	1.3
100YR8HR	BASIN-4	BASE	8.75	85.04	87.00	196105	0.17	2.27	1.5	1.3
100YR8HR	BASIN-4	BASE	8.83	85.04	87.00	196046	0.15	2.27	1.5	1.4
100YR8HR	BASIN-4	BASE	8.92	85.03	87.00	195985	0.12	2.27	1.5	1.4
100YR8HR	BASIN-4	BASE	9.00	85.03	87.00	195924	0.11	2.27	1.5	1.4
100YR8HR	BASIN-4	BASE	9.08	85.03	87.00	195862	0.09	2.27	1.5	1.4
100YR8HR	BASIN-4	BASE	9.17	85.02	87.00	195800	0.08	2.27	1.5	1.4
100YR8HR	BASIN-4	BASE	9.25	85.02	87.00	195738	0.06	2.27	1.5	1.4
100YR8HR	BASIN-4	BASE	9.33	85.02	87.00	195675	0.05	2.26	1.5	1.5
100YR8HR	BASIN-4	BASE	9.42	85.01	87.00	195613	0.04	2.26	1.5	1.5
100YR8HR	BASIN-4	BASE	9.50	85.01	87.00	195549	0.03	2.26	1.5	1.5
100YR8HR	BASIN-4	BASE	9.58	85.01	87.00	195486	0.03	2.26	1.5	1.5
100YR8HR	BASIN-4	BASE	9.67	85.00	87.00	195422	0.02	2.26	1.5	1.5
100YR8HR	BASIN-4	BASE	9.75	85.00	87.00	195358	0.01	2.26	1.5	1.5
100YR8HR	BASIN-4	BASE	9.83	85.00	87.00	195349	0.01	0.01	1.5	1.5
100YR8HR	BASIN-4	BASE	9.92	85.00	87.00	195349	0.01	0.01	1.5	1.5
100YR8HR	BASIN-4	BASE	10.00	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.08	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.17	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.25	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.33	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.42	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.50	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.58	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.67	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.75	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.83	85.00	87.00	195349	0.00	0.00	1.5	1.5
100YR8HR	BASIN-4	BASE	10.92	85.00	87.00	195349	0.00	0.00	1.5	1.5

100YR8HR BASIN 4 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-5	BASE	23.00	87.11	89.00	483293	0.00	5.59	11.4	10.2
100YR8HR	BASIN-5	BASE	23.08	87.10	89.00	483148	0.00	5.59	11.4	10.3
100YR8HR	BASIN-5	BASE	23.17	87.10	89.00	483003	0.00	5.59	11.4	10.3
100YR8HR	BASIN-5	BASE	23.25	87.09	89.00	482858	0.00	5.59	11.4	10.4
100YR8HR	BASIN-5	BASE	23.33	87.09	89.00	482714	0.00	5.59	11.4	10.4
100YR8HR	BASIN-5	BASE	23.42	87.09	89.00	482570	0.00	5.59	11.4	10.4
100YR8HR	BASIN-5	BASE	23.50	87.08	89.00	482425	0.00	5.58	11.4	10.5
100YR8HR	BASIN-5	BASE	23.58	87.08	89.00	482280	0.00	5.58	11.4	10.5
100YR8HR	BASIN-5	BASE	23.67	87.08	89.00	482135	0.00	5.58	11.4	10.6
100YR8HR	BASIN-5	BASE	23.75	87.07	89.00	481990	0.00	5.58	11.4	10.6
100YR8HR	BASIN-5	BASE	23.83	87.07	89.00	481845	0.00	5.58	11.4	10.6
100YR8HR	BASIN-5	BASE	23.92	87.07	89.00	481700	0.00	5.58	11.4	10.7
100YR8HR	BASIN-5	BASE	24.00	87.06	89.00	481556	0.00	5.57	11.4	10.7
100YR8HR	BASIN-5	BASE	24.08	87.06	89.00	481411	0.00	5.57	11.4	10.7
100YR8HR	BASIN-5	BASE	24.17	87.06	89.00	481266	0.00	5.57	11.4	10.8
100YR8HR	BASIN-5	BASE	24.25	87.05	89.00	481122	0.00	5.57	11.4	10.8
100YR8HR	BASIN-5	BASE	24.33	87.05	89.00	480977	0.00	5.57	11.4	10.9
100YR8HR	BASIN-5	BASE	24.42	87.05	89.00	480832	0.00	5.57	11.4	10.9
100YR8HR	BASIN-5	BASE	24.50	87.04	89.00	480687	0.00	5.56	11.4	10.9
100YR8HR	BASIN-5	BASE	24.58	87.04	89.00	480543	0.00	5.56	11.4	11.0
100YR8HR	BASIN-5	BASE	24.67	87.04	89.00	480398	0.00	5.56	11.4	11.0
100YR8HR	BASIN-5	BASE	24.75	87.03	89.00	480253	0.00	5.56	11.4	11.1
100YR8HR	BASIN-5	BASE	24.83	87.03	89.00	480108	0.00	5.56	11.4	11.1
100YR8HR	BASIN-5	BASE	24.92	87.03	89.00	479963	0.00	5.56	11.4	11.1
100YR8HR	BASIN-5	BASE	25.00	87.02	89.00	479818	0.00	5.55	11.4	11.2
100YR8HR	BASIN-5	BASE	25.08	87.02	89.00	479674	0.00	5.55	11.4	11.2
100YR8HR	BASIN-5	BASE	25.17	87.01	89.00	479529	0.00	5.55	11.4	11.2
100YR8HR	BASIN-5	BASE	25.25	87.01	89.00	479385	0.00	5.55	11.4	11.3
100YR8HR	BASIN-5	BASE	25.33	87.01	89.00	479240	0.00	5.55	11.4	11.3
100YR8HR	BASIN-5	BASE	25.42	87.00	89.00	479095	0.00	5.55	11.4	11.4
100YR8HR	BASIN-5	BASE	25.50	87.00	89.00	478950	0.00	5.54	11.4	11.4
100YR8HR	BASIN-5	BASE	25.58	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	25.67	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	25.75	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	25.83	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	25.92	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.00	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.08	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.17	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.25	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.33	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.42	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.50	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.58	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.67	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.75	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.83	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	26.92	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	27.00	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	27.08	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	27.17	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	27.25	87.00	89.00	478907	0.00	0.00	11.4	11.4
100YR8HR	BASIN-5	BASE	27.33	87.00	89.00	478907	0.00	0.00	11.4	11.4

100YR8HR BASIN 5 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-6	BASE	8.51	85.08	87.00	385109	0.69	4.46	3.3	2.6
100YR8HR	BASIN-6	BASE	8.58	85.08	87.00	385037	0.60	4.46	3.3	2.6
100YR8HR	BASIN-6	BASE	8.67	85.07	87.00	384958	0.51	4.46	3.3	2.6
100YR8HR	BASIN-6	BASE	8.75	85.07	87.00	384877	0.44	4.45	3.3	2.6
100YR8HR	BASIN-6	BASE	8.83	85.07	87.00	384795	0.38	4.45	3.3	2.7
100YR8HR	BASIN-6	BASE	8.92	85.06	87.00	384711	0.32	4.45	3.3	2.7
100YR8HR	BASIN-6	BASE	9.00	85.06	87.00	384627	0.28	4.45	3.3	2.7
100YR8HR	BASIN-6	BASE	9.08	85.06	87.00	384541	0.24	4.45	3.3	2.8
100YR8HR	BASIN-6	BASE	9.17	85.05	87.00	384455	0.21	4.45	3.3	2.8
100YR8HR	BASIN-6	BASE	9.25	85.05	87.00	384369	0.18	4.45	3.3	2.8
100YR8HR	BASIN-6	BASE	9.33	85.05	87.00	384281	0.15	4.45	3.3	2.9
100YR8HR	BASIN-6	BASE	9.42	85.04	87.00	384194	0.13	4.45	3.3	2.9
100YR8HR	BASIN-6	BASE	9.50	85.04	87.00	384105	0.10	4.45	3.3	2.9
100YR8HR	BASIN-6	BASE	9.58	85.04	87.00	384017	0.08	4.44	3.3	3.0
100YR8HR	BASIN-6	BASE	9.67	85.03	87.00	383928	0.07	4.44	3.3	3.0
100YR8HR	BASIN-6	BASE	9.75	85.03	87.00	383838	0.05	4.44	3.3	3.0
100YR8HR	BASIN-6	BASE	9.83	85.03	87.00	383749	0.04	4.44	3.3	3.0
100YR8HR	BASIN-6	BASE	9.92	85.02	87.00	383659	0.03	4.44	3.3	3.1
100YR8HR	BASIN-6	BASE	10.00	85.02	87.00	383568	0.02	4.44	3.3	3.1
100YR8HR	BASIN-6	BASE	10.08	85.02	87.00	383478	0.02	4.44	3.3	3.1
100YR8HR	BASIN-6	BASE	10.17	85.01	87.00	383388	0.01	4.44	3.3	3.2
100YR8HR	BASIN-6	BASE	10.25	85.01	87.00	383298	0.01	4.44	3.3	3.2
100YR8HR	BASIN-6	BASE	10.33	85.01	87.00	383207	0.00	4.44	3.3	3.2
100YR8HR	BASIN-6	BASE	10.42	85.00	87.00	383117	0.00	4.43	3.3	3.3
100YR8HR	BASIN-6	BASE	10.50	85.00	87.00	383026	0.00	4.43	3.3	3.3
100YR8HR	BASIN-6	BASE	10.58	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	10.67	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	10.75	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	10.83	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	10.92	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.00	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.08	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.17	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.25	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.33	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.42	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.50	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.58	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.67	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.75	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.83	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	11.92	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.00	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.08	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.17	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.25	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.33	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.42	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.50	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.58	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.67	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.75	85.00	87.00	383023	0.00	0.00	3.3	3.3
100YR8HR	BASIN-6	BASE	12.83	85.00	87.00	383023	0.00	0.00	3.3	3.3

100YR8HR BASIN 6 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-7	BASE	11.67	78.19	80.00	315101	0.00	3.65	4.4	3.1
100YR8HR	BASIN-7	BASE	11.75	78.18	80.00	315023	0.00	3.65	4.4	3.1
100YR8HR	BASIN-7	BASE	11.83	78.18	80.00	314946	0.00	3.65	4.4	3.2
100YR8HR	BASIN-7	BASE	11.92	78.17	80.00	314869	0.00	3.64	4.4	3.2
100YR8HR	BASIN-7	BASE	12.00	78.17	80.00	314791	0.00	3.64	4.4	3.2
100YR8HR	BASIN-7	BASE	12.08	78.17	80.00	314714	0.00	3.64	4.4	3.2
100YR8HR	BASIN-7	BASE	12.17	78.16	80.00	314636	0.00	3.64	4.4	3.3
100YR8HR	BASIN-7	BASE	12.25	78.16	80.00	314559	0.00	3.64	4.4	3.3
100YR8HR	BASIN-7	BASE	12.33	78.16	80.00	314482	0.00	3.64	4.4	3.3
100YR8HR	BASIN-7	BASE	12.42	78.15	80.00	314404	0.00	3.64	4.4	3.3
100YR8HR	BASIN-7	BASE	12.50	78.15	80.00	314327	0.00	3.64	4.4	3.4
100YR8HR	BASIN-7	BASE	12.58	78.15	80.00	314249	0.00	3.64	4.4	3.4
100YR8HR	BASIN-7	BASE	12.67	78.14	80.00	314172	0.00	3.64	4.4	3.4
100YR8HR	BASIN-7	BASE	12.75	78.14	80.00	314095	0.00	3.64	4.4	3.4
100YR8HR	BASIN-7	BASE	12.83	78.14	80.00	314017	0.00	3.63	4.4	3.5
100YR8HR	BASIN-7	BASE	12.92	78.13	80.00	313940	0.00	3.63	4.4	3.5
100YR8HR	BASIN-7	BASE	13.00	78.13	80.00	313863	0.00	3.63	4.4	3.5
100YR8HR	BASIN-7	BASE	13.08	78.13	80.00	313785	0.00	3.63	4.4	3.5
100YR8HR	BASIN-7	BASE	13.17	78.12	80.00	313708	0.00	3.63	4.4	3.6
100YR8HR	BASIN-7	BASE	13.25	78.12	80.00	313630	0.00	3.63	4.4	3.6
100YR8HR	BASIN-7	BASE	13.33	78.12	80.00	313553	0.00	3.63	4.4	3.6
100YR8HR	BASIN-7	BASE	13.42	78.11	80.00	313475	0.00	3.63	4.4	3.6
100YR8HR	BASIN-7	BASE	13.50	78.11	80.00	313398	0.00	3.63	4.4	3.7
100YR8HR	BASIN-7	BASE	13.58	78.11	80.00	313321	0.00	3.63	4.4	3.7
100YR8HR	BASIN-7	BASE	13.67	78.10	80.00	313243	0.00	3.63	4.4	3.7
100YR8HR	BASIN-7	BASE	13.75	78.10	80.00	313166	0.00	3.62	4.4	3.7
100YR8HR	BASIN-7	BASE	13.83	78.10	80.00	313089	0.00	3.62	4.4	3.8
100YR8HR	BASIN-7	BASE	13.92	78.09	80.00	313011	0.00	3.62	4.4	3.8
100YR8HR	BASIN-7	BASE	14.00	78.09	80.00	312934	0.00	3.62	4.4	3.8
100YR8HR	BASIN-7	BASE	14.08	78.08	80.00	312856	0.00	3.62	4.4	3.8
100YR8HR	BASIN-7	BASE	14.17	78.08	80.00	312779	0.00	3.62	4.4	3.9
100YR8HR	BASIN-7	BASE	14.25	78.08	80.00	312701	0.00	3.62	4.4	3.9
100YR8HR	BASIN-7	BASE	14.33	78.07	80.00	312624	0.00	3.62	4.4	3.9
100YR8HR	BASIN-7	BASE	14.42	78.07	80.00	312547	0.00	3.62	4.4	3.9
100YR8HR	BASIN-7	BASE	14.50	78.07	80.00	312469	0.00	3.62	4.4	4.0
100YR8HR	BASIN-7	BASE	14.58	78.06	80.00	312392	0.00	3.62	4.4	4.0
100YR8HR	BASIN-7	BASE	14.67	78.06	80.00	312315	0.00	3.61	4.4	4.0
100YR8HR	BASIN-7	BASE	14.75	78.06	80.00	312237	0.00	3.61	4.4	4.0
100YR8HR	BASIN-7	BASE	14.83	78.05	80.00	312160	0.00	3.61	4.4	4.1
100YR8HR	BASIN-7	BASE	14.92	78.05	80.00	312082	0.00	3.61	4.4	4.1
100YR8HR	BASIN-7	BASE	15.00	78.05	80.00	312005	0.00	3.61	4.4	4.1
100YR8HR	BASIN-7	BASE	15.08	78.04	80.00	311927	0.00	3.61	4.4	4.1
100YR8HR	BASIN-7	BASE	15.17	78.04	80.00	311850	0.00	3.61	4.4	4.2
100YR8HR	BASIN-7	BASE	15.25	78.04	80.00	311773	0.00	3.61	4.4	4.2
100YR8HR	BASIN-7	BASE	15.33	78.03	80.00	311696	0.00	3.61	4.4	4.2
100YR8HR	BASIN-7	BASE	15.42	78.03	80.00	311618	0.00	3.61	4.4	4.2
100YR8HR	BASIN-7	BASE	15.50	78.03	80.00	311541	0.00	3.61	4.4	4.3
100YR8HR	BASIN-7	BASE	15.58	78.02	80.00	311463	0.00	3.60	4.4	4.3
100YR8HR	BASIN-7	BASE	15.67	78.02	80.00	311386	0.00	3.60	4.4	4.3
100YR8HR	BASIN-7	BASE	15.75	78.02	80.00	311308	0.00	3.60	4.4	4.3
100YR8HR	BASIN-7	BASE	15.83	78.01	80.00	311231	0.00	3.60	4.4	4.4
100YR8HR	BASIN-7	BASE	15.92	78.01	80.00	311153	0.00	3.60	4.4	4.4
100YR8HR	BASIN-7	BASE	16.00	78.00	80.00	311076	0.00	3.60	4.4	4.4

100YR8HR BASIN 7 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-8	BASE	1.58	86.00	87.00	26706	0.40	0.39	0.0	0.0
100YR8HR	BASIN-8	BASE	1.67	86.00	87.00	26708	0.42	0.42	0.0	0.0
100YR8HR	BASIN-8	BASE	1.75	86.00	87.00	26710	0.44	0.44	0.0	0.0
100YR8HR	BASIN-8	BASE	1.83	86.00	87.00	26711	0.46	0.46	0.0	0.0
100YR8HR	BASIN-8	BASE	1.92	86.00	87.00	26713	0.48	0.47	0.0	0.0
100YR8HR	BASIN-8	BASE	2.00	86.00	87.00	26715	0.49	0.49	0.0	0.0
100YR8HR	BASIN-8	BASE	2.08	86.00	87.00	26717	0.51	0.50	0.0	0.0
100YR8HR	BASIN-8	BASE	2.17	86.00	87.00	26720	0.54	0.53	0.0	0.0
100YR8HR	BASIN-8	BASE	2.25	86.00	87.00	26726	0.58	0.57	0.0	0.0
100YR8HR	BASIN-8	BASE	2.33	86.00	87.00	26732	0.62	0.60	0.0	0.0
100YR8HR	BASIN-8	BASE	2.42	86.00	87.00	26738	0.64	0.63	0.0	0.0
100YR8HR	BASIN-8	BASE	2.50	86.00	87.00	26743	0.66	0.65	0.1	0.1
100YR8HR	BASIN-8	BASE	2.58	86.00	87.00	26747	0.68	0.67	0.1	0.1
100YR8HR	BASIN-8	BASE	2.67	86.00	87.00	26750	0.69	0.68	0.1	0.1
100YR8HR	BASIN-8	BASE	2.75	86.00	87.00	26753	0.70	0.69	0.1	0.1
100YR8HR	BASIN-8	BASE	2.83	86.00	87.00	26755	0.71	0.70	0.1	0.1
100YR8HR	BASIN-8	BASE	2.92	86.00	87.00	26757	0.71	0.71	0.1	0.1
100YR8HR	BASIN-8	BASE	3.00	86.00	87.00	26758	0.72	0.71	0.1	0.1
100YR8HR	BASIN-8	BASE	3.08	86.00	87.00	26766	0.77	0.74	0.1	0.1
100YR8HR	BASIN-8	BASE	3.17	86.00	87.00	26793	0.93	0.83	0.1	0.1
100YR8HR	BASIN-8	BASE	3.25	86.00	87.00	26850	1.14	0.97	0.1	0.1
100YR8HR	BASIN-8	BASE	3.33	86.01	87.00	26925	1.33	1.12	0.1	0.1
100YR8HR	BASIN-8	BASE	3.42	86.01	87.00	27006	1.47	1.26	0.1	0.1
100YR8HR	BASIN-8	BASE	3.50	86.01	87.00	27086	1.58	1.38	0.1	0.1
100YR8HR	BASIN-8	BASE	3.58	86.01	87.00	27161	1.67	1.48	0.1	0.1
100YR8HR	BASIN-8	BASE	3.67	86.01	87.00	27230	1.74	1.57	0.1	0.1
100YR8HR	BASIN-8	BASE	3.75	86.02	87.00	27294	1.80	1.64	0.2	0.2
100YR8HR	BASIN-8	BASE	3.83	86.02	87.00	27351	1.84	1.71	0.2	0.2
100YR8HR	BASIN-8	BASE	3.92	86.02	87.00	27402	1.89	1.76	0.2	0.2
100YR8HR	BASIN-8	BASE	4.00	86.02	87.00	27449	1.92	1.81	0.2	0.2
100YR8HR	BASIN-8	BASE	4.08	86.02	87.00	27483	1.91	1.84	0.2	0.2
100YR8HR	BASIN-8	BASE	4.17	86.02	87.00	27485	1.79	1.85	0.2	0.2
100YR8HR	BASIN-8	BASE	4.25	86.02	87.00	27435	1.61	1.80	0.2	0.2
100YR8HR	BASIN-8	BASE	4.33	86.02	87.00	27348	1.45	1.70	0.2	0.2
100YR8HR	BASIN-8	BASE	4.42	86.02	87.00	27247	1.33	1.59	0.3	0.2
100YR8HR	BASIN-8	BASE	4.50	86.01	87.00	27150	1.24	1.47	0.3	0.3
100YR8HR	BASIN-8	BASE	4.58	86.01	87.00	27066	1.16	1.35	0.3	0.3
100YR8HR	BASIN-8	BASE	4.67	86.01	87.00	26998	1.10	1.25	0.3	0.3
100YR8HR	BASIN-8	BASE	4.75	86.01	87.00	26945	1.05	1.16	0.3	0.3
100YR8HR	BASIN-8	BASE	4.83	86.01	87.00	26905	1.00	1.09	0.3	0.3
100YR8HR	BASIN-8	BASE	4.92	86.00	87.00	26875	0.96	1.03	0.3	0.3
100YR8HR	BASIN-8	BASE	5.00	86.00	87.00	26853	0.93	0.98	0.3	0.3
100YR8HR	BASIN-8	BASE	5.09	86.00	87.00	26832	0.88	0.93	0.3	0.3
100YR8HR	BASIN-8	BASE	5.17	86.00	87.00	26806	0.79	0.86	0.3	0.3
100YR8HR	BASIN-8	BASE	5.25	86.00	87.00	26775	0.69	0.77	0.3	0.3
100YR8HR	BASIN-8	BASE	5.33	86.00	87.00	26747	0.61	0.67	0.3	0.3
100YR8HR	BASIN-8	BASE	5.42	86.00	87.00	26728	0.54	0.58	0.3	0.3
100YR8HR	BASIN-8	BASE	5.50	86.00	87.00	26717	0.49	0.51	0.3	0.3
100YR8HR	BASIN-8	BASE	5.58	86.00	87.00	26712	0.45	0.46	0.3	0.3
100YR8HR	BASIN-8	BASE	5.67	86.00	87.00	26710	0.42	0.42	0.3	0.3
100YR8HR	BASIN-8	BASE	5.76	86.00	87.00	26709	0.39	0.39	0.3	0.3
100YR8HR	BASIN-8	BASE	5.84	86.00	87.00	26709	0.38	0.38	0.4	0.4
100YR8HR	BASIN-8	BASE	5.92	86.00	87.00	26709	0.36	0.36	0.4	0.4

100YR8HR BASIN 8 POST RECOVERY

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR8HR	BASIN-9	BASE	9.17	77.12	79.75	153825	0.07	1.78	1.6	1.1
100YR8HR	BASIN-9	BASE	9.25	77.12	79.75	153775	0.06	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.33	77.11	79.75	153724	0.05	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.42	77.11	79.75	153674	0.04	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.50	77.11	79.75	153622	0.03	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.58	77.10	79.75	153571	0.02	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.67	77.10	79.75	153520	0.02	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.75	77.10	79.75	153468	0.01	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.83	77.09	79.75	153416	0.01	1.78	1.6	1.2
100YR8HR	BASIN-9	BASE	9.92	77.09	79.75	153364	0.00	1.78	1.6	1.3
100YR8HR	BASIN-9	BASE	10.00	77.09	79.75	153312	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.08	77.08	79.75	153260	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.17	77.08	79.75	153208	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.25	77.08	79.75	153156	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.33	77.07	79.75	153104	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.42	77.07	79.75	153052	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.50	77.07	79.75	153000	0.00	1.77	1.6	1.3
100YR8HR	BASIN-9	BASE	10.58	77.06	79.75	152948	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	10.67	77.06	79.75	152895	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	10.75	77.06	79.75	152843	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	10.83	77.05	79.75	152791	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	10.92	77.05	79.75	152739	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	11.00	77.05	79.75	152687	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	11.08	77.04	79.75	152635	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	11.17	77.04	79.75	152583	0.00	1.77	1.6	1.4
100YR8HR	BASIN-9	BASE	11.25	77.03	79.75	152531	0.00	1.77	1.6	1.5
100YR8HR	BASIN-9	BASE	11.33	77.03	79.75	152479	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.42	77.03	79.75	152427	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.50	77.02	79.75	152375	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.58	77.02	79.75	152322	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.67	77.02	79.75	152270	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.75	77.01	79.75	152218	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.83	77.01	79.75	152166	0.00	1.76	1.6	1.5
100YR8HR	BASIN-9	BASE	11.92	77.01	79.75	152114	0.00	1.76	1.6	1.6
100YR8HR	BASIN-9	BASE	12.00	77.00	79.75	152062	0.00	1.76	1.6	1.6
100YR8HR	BASIN-9	BASE	12.08	77.00	79.75	152010	0.00	1.76	1.6	1.6
100YR8HR	BASIN-9	BASE	12.17	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.25	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.33	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.42	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.50	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.58	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.67	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.75	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.83	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	12.92	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.00	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.08	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.17	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.25	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.33	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.42	77.00	79.75	152007	0.00	0.00	1.6	1.6
100YR8HR	BASIN-9	BASE	13.50	77.00	79.75	152007	0.00	0.00	1.6	1.6

100YR8HR BASIN 9 POST RECOVERY

==========
==== Basins ====
==========

Name: WTRSHD-15 Node: BASIN-15 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 15.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
9.220	0.150	0.13	1.940	23.010	0.417	4.170
4.520	0.030	0.00	3.220	9.240	0.412	8.740

==========
==== Nodes ====
==========

Name: BASIN-1 Base Flow(cfs): 0.000 Init Stage(ft): 85.280
Group: BASE Warn Stage(ft): 86.000
Type: Stage/Area

Stage(ft)	Area(ac)
84.000	0.1109
85.000	0.3368
86.000	0.8292

Name: BASIN-10 Base Flow(cfs): 0.000 Init Stage(ft): 73.190
Group: BASE Warn Stage(ft): 79.000
Type: Stage/Area

Stage(ft)	Area(ac)
72.000	0.2390
73.000	0.8463
74.000	1.6392
75.000	4.0206
76.000	6.0829
77.000	7.5573
78.000	9.0290
79.000	10.7927

Name: BASIN-11 Base Flow(cfs): 0.000 Init Stage(ft): 82.050
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.0472
82.000	0.1917
83.000	0.3917
84.000	0.7038

Name: BASIN-12 Base Flow(cfs): 0.000 Init Stage(ft): 82.770
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
82.000	0.3455
83.000	1.9849
84.000	3.3071

Name: BASIN-13 Base Flow(cfs): 0.000 Init Stage(ft): 89.050
Group: BASE Warn Stage(ft): 89.000
Type: Stage/Area

Stage(ft)	Area(ac)
80.000	0.0144
81.000	0.0239
82.000	0.0318
83.000	0.0400
84.000	0.0471
85.000	0.0539
86.000	0.0607
87.000	0.0679
88.000	0.0776
89.000	0.1216

Name: BASIN-14 Base Flow(cfs): 0.000 Init Stage(ft): 77.770
Group: BASE Warn Stage(ft): 84.000
Type: Stage/Area

Stage(ft)	Area(ac)
75.000	0.0025

76.000	0.0376
77.000	0.1083
78.000	0.1845
79.000	0.2779
80.000	0.3626
81.000	0.4484
82.000	0.5486
83.000	0.6682
84.000	0.8501

Name: BASIN-15 Base Flow(cfs): 0.000 Init Stage(ft): 84.250
Group: BASE Warn Stage(ft): 84.750
Type: Stage/Area

Stage(ft)	Area(ac)
83.000	0.6815
84.000	1.2410
84.750	2.9141

Name: BASIN-2 Base Flow(cfs): 0.000 Init Stage(ft): 59.490
Group: BASE Warn Stage(ft): 84.250
Type: Stage/Area

Stage(ft)	Area(ac)
40.000	0.0155
41.000	0.0213
42.000	0.0263
43.000	0.0319
44.000	0.0374
45.000	0.0427
46.000	0.0482
47.000	0.0551
48.000	0.0612
49.000	0.0674
50.000	0.0740
51.000	0.0803
52.000	0.0868
53.000	0.0941
54.000	0.1023
55.000	0.1106
56.000	0.1188
57.000	0.1270
58.000	0.1347
59.000	0.1428
60.000	0.1520
61.000	0.1611
62.000	0.1704
63.000	0.1804

64.000	0.1909
65.000	0.2012
66.000	0.2117
67.000	0.2221
68.000	0.2321
69.000	0.2426
70.000	0.2538
71.000	0.2660
72.000	0.2795
73.000	0.2934
74.000	0.3041
75.000	0.3264
76.000	0.3492
77.000	0.3766
78.000	0.4091
79.000	0.4425
80.000	0.4794
81.000	0.5268
82.000	0.7267
83.000	1.2730
84.000	2.5460
84.250	3.0910

Name: BASIN-3 Base Flow(cfs): 0.000 Init Stage(ft): 81.530
Group: BASE Warn Stage(ft): 88.000
Type: Stage/Area

Stage(ft)	Area(ac)
80.000	2.4286
82.000	5.8194
84.000	9.9374
86.000	15.4540
88.000	21.9330

Name: BASIN-4 Base Flow(cfs): 0.000 Init Stage(ft): 85.680
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
85.000	4.4846
86.000	4.9099
87.000	5.3501

Name: BASIN-5 Base Flow(cfs): 0.000 Init Stage(ft): 87.760
Group: BASE Warn Stage(ft): 89.000
Type: Stage/Area

Stage(ft)	Area(ac)
87.000	10.9942
88.000	11.9513
89.000	13.1792

Name: BASIN-6 Base Flow(cfs): 0.000 Init Stage(ft): 85.280
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
85.000	8.7930
86.000	9.3921
87.000	10.0137

Name: BASIN-7 Base Flow(cfs): 0.000 Init Stage(ft): 78.650
Group: BASE Warn Stage(ft): 80.000
Type: Stage/Area

Stage(ft)	Area(ac)
78.000	7.1389
79.000	7.6506
80.000	8.4832

Name: BASIN-8 Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: BASE Warn Stage(ft): 87.000
Type: Stage/Area

Stage(ft)	Area(ac)
86.000	0.6130
87.000	1.4340

Name: BASIN-9 Base Flow(cfs): 0.000 Init Stage(ft): 77.490
Group: BASE Warn Stage(ft): 79.750
Type: Stage/Area

Stage(ft)	Area(ac)
77.000	3.4896

78.000	3.8340
79.000	4.1932
79.750	4.9064

Name: GROUND Base Flow(cfs): 0.000 Init Stage(ft): 12.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	12.000
99999.00	12.000

Name: OUTFALL-8 Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	86.000
9999.00	86.000

Cross Sections

Name: WEIR-15 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	85.000	0.150000
5.843	84.930	0.150000
13.189	84.730	0.150000
16.834	84.820	0.150000
38.550	84.920	0.150000

Name: WEIR-2 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	84.510	0.150000
6.644	84.450	0.150000
12.506	84.500	0.150000

```
------------------------------------------------------------------------
              Name: WEIR-5                       Group: BASE
      Encroachment: No


    Station(ft)   Elevation(ft)     Manning's N
--------------- --------------- ---------------
          0.000          89.500        0.150000
         25.355          89.260        0.150000
         48.181          89.130        0.150000
         71.919          89.180        0.150000
        120.634          89.370        0.150000

------------------------------------------------------------------------
              Name: WEIR-6                       Group: BASE
      Encroachment: No


    Station(ft)   Elevation(ft)     Manning's N
--------------- --------------- ---------------
          0.000          87.160        0.150000
         10.469          87.110        0.150000
         18.933          87.120        0.150000
         37.974          87.160        0.150000
         42.827          87.180        0.150000

================================================================================================
==== Pipes =====================================================================================
================================================================================================

         Name: PIPE-8              From Node: BASIN-8           Length(ft): 58.47
        Group: BASE                  To Node: OUTFALL-8             Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Vert Ellipse   Vert Ellipse                        Flow: Both
     Span(in): 14.00          14.00                     Entrance Loss Coef: 0.00
     Rise(in): 22.00          22.00                         Exit Loss Coef: 1.00
   Invert(ft): 83.970         83.840                        Bend Loss Coef: 0.00
  Manning's N: 0.011000       0.011000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                    Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Vertical Ellipse Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Vertical Ellipse Concrete: Square edge w/ headwall


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==== Weirs ==
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```
         Name: WEIR-13             From Node: BASIN-13
        Group: BASE                  To Node: BASIN-2
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
       Left Side Slope(h/v): 5.00
      Right Side Slope(h/v): 5.00
                  Invert(ft): 88.900
       Control Elevation(ft): 88.900
      Struct Opening Dim(ft): 9999.00
                                        TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600
```

```
         Name: WEIR-15             From Node: BASIN-15
        Group: BASE                  To Node: BASIN-10
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-15
                  Invert(ft): 84.730
       Control Elevation(ft): 84.730
      Struct Opening Dim(ft): 9999.00
                                        TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600
```

```
         Name: WEIR-2              From Node: BASIN-2
        Group: BASE                  To Node: BASIN-12
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-2
                  Invert(ft): 84.450
       Control Elevation(ft): 84.450
      Struct Opening Dim(ft): 9999.00
                                        TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
         Name: WEIR-5              From Node: BASIN-5
        Group: BASE                  To Node: BASIN-6
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-5
                 Invert(ft): 89.080
       Control Elevation(ft): 89.080
      Struct Opening Dim(ft): 9999.00
                                       TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: WEIR-6              From Node: BASIN-6
        Group: BASE                  To Node: BASIN-9
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: WEIR-6
                 Invert(ft): 87.110
       Control Elevation(ft): 87.110
      Struct Opening Dim(ft): 9999.00
                                       TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



===============================================================================================
==== Percolation Links ========================================================================
===============================================================================================

         Name: PERC-1              From Node: BASIN-1                 Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
    Vertical Flow Termination: Horizontal Flow Algorithm
        Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1032.000
         Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1200.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 1201.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
            Suction Head(in): 4.170                      Num Cells 2 to 3: 50
         Layer Thickness(ft): 39.000
```

```
-------------------------------------------------------------------------------------------------
         Name: PERC-10             From Node: BASIN-10                Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 3371.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 3373.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 3374.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
           Suction Head(in): 4.170                         Num Cells 2 to 3: 50
        Layer Thickness(ft): 27.000



-------------------------------------------------------------------------------------------------
         Name: PERC-11             From Node: BASIN-11                Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 727.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1000.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1001.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
           Suction Head(in): 4.170                         Num Cells 2 to 3: 50
        Layer Thickness(ft): 36.000



-------------------------------------------------------------------------------------------------
         Name: PERC-12             From Node: BASIN-12                Flow: Positive
        Group: BASE                  To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                          Perimeter 1(ft): 910.000
        Water Table Elev(ft): 45.000                         Perimeter 2(ft): 1100.000
  Ann Recharge Rate(in/year): 0.000                          Perimeter 3(ft): 1101.000
  Horiz Conductivity(ft/day): 1.000                     Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                     Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                        Num Cells 1 to 2: 10
           Suction Head(in): 4.170                         Num Cells 2 to 3: 50
        Layer Thickness(ft): 37.000
```

```
-------------------------------------------------------------------------------------------------
        Name: PERC-13            From Node: BASIN-13               Flow: Positive
       Group: BASE                 To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
  Vertical Flow Termination: Horizontal Flow Algorithm
      Aquifer Base Elev(ft): 0.000                       Perimeter 1(ft): 324.000
       Water Table Elev(ft): 45.000                      Perimeter 2(ft): 600.000
 Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 601.000
 Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
  Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
    Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
          Suction Head(in): 4.170                      Num Cells 2 to 3: 50
       Layer Thickness(ft): 35.000




-------------------------------------------------------------------------------------------------
        Name: PERC-14            From Node: BASIN-14               Flow: Positive
       Group: BASE                 To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
  Vertical Flow Termination: Horizontal Flow Algorithm
      Aquifer Base Elev(ft): 0.000                       Perimeter 1(ft): 727.000
       Water Table Elev(ft): 45.000                      Perimeter 2(ft): 1000.000
 Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 1001.000
 Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
  Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
    Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
          Suction Head(in): 4.170                      Num Cells 2 to 3: 50
       Layer Thickness(ft): 30.000




-------------------------------------------------------------------------------------------------
        Name: PERC-15            From Node: BASIN-15               Flow: Positive
       Group: BASE                 To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
  Vertical Flow Termination: Horizontal Flow Algorithm
      Aquifer Base Elev(ft): 0.000                       Perimeter 1(ft): 1361.000
       Water Table Elev(ft): 45.000                      Perimeter 2(ft): 1500.000
 Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 1501.000
 Horiz Conductivity(ft/day): 1.000                  Distance 1 to 2(ft): 50.000
  Vert Conductivity(ft/day): 1.000                  Distance 2 to 3(ft): 450.000
    Effective Porosity(dec): 0.200                     Num Cells 1 to 2: 10
          Suction Head(in): 4.170                      Num Cells 2 to 3: 50
       Layer Thickness(ft): 38.000




-------------------------------------------------------------------------------------------------
```

```
        Name: PERC-2              From Node: BASIN-2                 Flow: Positive
       Group: BASE                  To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                         Perimeter 1(ft): 1359.000
        Water Table Elev(ft): 45.000                        Perimeter 2(ft): 1475.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 1476.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                        Num Cells 2 to 3: 50
        Layer Thickness(ft): 0.000



--------------------------------------------------------------------------------------------------
        Name: PERC-3              From Node: BASIN-3                 Flow: Positive
       Group: BASE                  To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                         Perimeter 1(ft): 3996.000
        Water Table Elev(ft): 45.000                        Perimeter 2(ft): 4130.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 4131.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                        Num Cells 2 to 3: 50
        Layer Thickness(ft): 35.000



--------------------------------------------------------------------------------------------------
        Name: PERC-4              From Node: BASIN-4                 Flow: Positive
       Group: BASE                  To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                         Perimeter 1(ft): 1950.000
        Water Table Elev(ft): 45.000                        Perimeter 2(ft): 2261.000
  Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 2262.000
  Horiz Conductivity(ft/day): 1.000                    Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                    Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                       Num Cells 1 to 2: 10
           Suction Head(in): 4.170                        Num Cells 2 to 3: 50
        Layer Thickness(ft): 40.000



--------------------------------------------------------------------------------------------------
        Name: PERC-5              From Node: BASIN-5                 Flow: Positive
       Group: BASE                  To Node: GROUND                Count: 1
```

```
        Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 4966.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 4967.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 4968.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 52.000



-------------------------------------------------------------------------------------------------
         Name: PERC-6             From Node: BASIN-6                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 2747.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 2977.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 2978.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 40.000



-------------------------------------------------------------------------------------------------
         Name: PERC-7             From Node: BASIN-7                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 2492.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 2700.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 2701.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
         Layer Thickness(ft): 33.000



-------------------------------------------------------------------------------------------------
         Name: PERC-8             From Node: BASIN-8                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

        Surface Area Option: Vary based on Stage/Area Table
```

```
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1157.000
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1300.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 1301.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
          Layer Thickness(ft): 41.000



-------------------------------------------------------------------------------------------------
         Name: PERC-9             From Node: BASIN-9                Flow: Positive
        Group: BASE                 To Node: GROUND                Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 0.000                        Perimeter 1(ft): 1596.520
        Water Table Elev(ft): 45.000                       Perimeter 2(ft): 1910.000
  Ann Recharge Rate(in/year): 0.000                        Perimeter 3(ft): 1911.000
  Horiz Conductivity(ft/day): 1.000                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 1.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.200                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 50
          Layer Thickness(ft): 32.000



=================================================================================================
==== Hydrology Simulations =====================================================================
=================================================================================================

         Name: WQTV
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: Fdot-1
    Rainfall Amount(in): 0.01

Time(hrs)       Print Inc(min)
--------------- ---------------
80.000          5.00

=================================================================================================
==== Routing Simulations =======================================================================
=================================================================================================

         Name: WQTV               Hydrology Sim: WQTV
     Filename: N:\2021\21-0275\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Routing\100YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No
```

```
        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 80.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 30.0000
        Boundary Stages:                         Boundary Flows:
```

Time(hrs)	Print Inc(min)
80.000	5.000

Group	Run
BASE	Yes

Alachua Solar Post-Development WQTV Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-1	BASE	0.00	85.28	86.00	20677	0.00	0.00	0.0	0.0
WQTV	BASIN-1	BASE	0.08	85.28	86.00	20602	0.00	0.24	0.0	0.0
WQTV	BASIN-1	BASE	0.17	85.27	86.00	20528	0.00	0.24	0.0	0.0
WQTV	BASIN-1	BASE	0.25	85.27	86.00	20453	0.00	0.24	0.0	0.0
WQTV	BASIN-1	BASE	0.33	85.27	86.00	20379	0.00	0.24	0.0	0.0
WQTV	BASIN-1	BASE	0.42	85.26	86.00	20304	0.00	0.24	0.0	0.0
WQTV	BASIN-1	BASE	0.50	85.26	86.00	20230	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	0.58	85.26	86.00	20155	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	0.67	85.25	86.00	20081	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	0.75	85.25	86.00	20006	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	0.83	85.25	86.00	19932	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	0.92	85.24	86.00	19856	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	1.00	85.24	86.00	19782	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	1.09	85.23	86.00	19707	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	1.17	85.23	86.00	19633	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	1.25	85.23	86.00	19558	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	1.33	85.22	86.00	19485	0.00	0.23	0.0	0.0
WQTV	BASIN-1	BASE	1.42	85.22	86.00	19410	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	1.50	85.22	86.00	19335	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	1.59	85.21	86.00	19259	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	1.67	85.21	86.00	19186	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	1.75	85.21	86.00	19111	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	1.83	85.20	86.00	19038	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	1.92	85.20	86.00	18962	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	2.00	85.20	86.00	18889	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	2.09	85.19	86.00	18812	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	2.17	85.19	86.00	18740	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	2.25	85.19	86.00	18665	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	2.34	85.18	86.00	18589	0.00	0.22	0.0	0.0
WQTV	BASIN-1	BASE	2.42	85.18	86.00	18517	0.00	0.21	0.0	0.0
WQTV	BASIN-1	BASE	2.50	85.18	86.00	18441	0.00	0.21	0.0	0.0
WQTV	BASIN-1	BASE	2.59	85.17	86.00	18365	0.00	0.21	0.0	0.0
WQTV	BASIN-1	BASE	2.67	85.17	86.00	18294	0.00	0.21	0.0	0.0
WQTV	BASIN-1	BASE	2.75	85.17	86.00	18218	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	2.84	85.16	86.00	18140	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	2.92	85.16	86.00	18069	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	3.00	85.15	86.00	17994	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	3.09	85.15	86.00	17918	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	3.17	85.15	86.00	17842	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	3.25	85.14	86.00	17771	0.00	0.21	0.0	0.1
WQTV	BASIN-1	BASE	3.34	85.14	86.00	17695	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.42	85.14	86.00	17620	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.50	85.13	86.00	17549	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.58	85.13	86.00	17473	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.67	85.13	86.00	17397	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.75	85.12	86.00	17322	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.83	85.12	86.00	17251	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	3.92	85.12	86.00	17174	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	4.01	85.11	86.00	17097	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	4.09	85.11	86.00	17026	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	4.17	85.11	86.00	16949	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	4.25	85.10	86.00	16878	0.00	0.20	0.0	0.1
WQTV	BASIN-1	BASE	4.34	85.10	86.00	16801	0.00	0.19	0.0	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-1	BASE	4.42	85.10	86.00	16724	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	4.50	85.09	86.00	16653	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	4.59	85.09	86.00	16576	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	4.67	85.09	86.00	16505	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	4.75	85.08	86.00	16428	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	4.84	85.08	86.00	16351	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	4.92	85.08	86.00	16280	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	5.01	85.07	86.00	16204	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	5.09	85.07	86.00	16130	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	5.17	85.06	86.00	16056	0.00	0.19	0.0	0.1
WQTV	BASIN-1	BASE	5.25	85.06	86.00	15982	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.34	85.06	86.00	15908	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.42	85.05	86.00	15834	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.50	85.05	86.00	15760	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.58	85.05	86.00	15686	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.67	85.04	86.00	15612	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.75	85.04	86.00	15538	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.84	85.04	86.00	15457	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	5.92	85.03	86.00	15383	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	6.01	85.03	86.00	15309	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	6.09	85.03	86.00	15235	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	6.17	85.02	86.00	15161	0.00	0.18	0.0	0.1
WQTV	BASIN-1	BASE	6.25	85.02	86.00	15087	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.34	85.02	86.00	15013	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.42	85.01	86.00	14939	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.50	85.01	86.00	14865	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.59	85.01	86.00	14791	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.67	85.00	86.00	14717	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.75	85.00	86.00	14658	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.83	85.00	86.00	14624	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	6.92	84.99	86.00	14590	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.00	84.99	86.00	14556	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.08	84.98	86.00	14522	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.17	84.98	86.00	14488	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.25	84.98	86.00	14453	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.33	84.97	86.00	14419	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.42	84.97	86.00	14385	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.50	84.97	86.00	14351	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.58	84.96	86.00	14317	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.67	84.96	86.00	14283	0.00	0.17	0.0	0.1
WQTV	BASIN-1	BASE	7.75	84.96	86.00	14248	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	7.83	84.95	86.00	14214	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	7.92	84.95	86.00	14180	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.00	84.95	86.00	14146	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.08	84.94	86.00	14112	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.17	84.94	86.00	14078	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.25	84.94	86.00	14043	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.33	84.93	86.00	14009	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.42	84.93	86.00	13975	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.50	84.93	86.00	13941	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.58	84.92	86.00	13907	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.67	84.92	86.00	13873	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.75	84.92	86.00	13838	0.00	0.16	0.0	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-1	BASE	8.83	84.91	86.00	13804	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	8.92	84.91	86.00	13770	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.00	84.90	86.00	13736	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.08	84.90	86.00	13702	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.17	84.90	86.00	13668	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.25	84.89	86.00	13633	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.33	84.89	86.00	13599	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.42	84.89	86.00	13565	0.00	0.16	0.0	0.1
WQTV	BASIN-1	BASE	9.50	84.88	86.00	13531	0.00	0.16	0.0	0.2
WQTV	BASIN-1	BASE	9.58	84.88	86.00	13497	0.00	0.16	0.0	0.2
WQTV	BASIN-1	BASE	9.67	84.88	86.00	13463	0.00	0.16	0.0	0.2
WQTV	BASIN-1	BASE	9.75	84.87	86.00	13428	0.00	0.16	0.0	0.2
WQTV	BASIN-1	BASE	9.83	84.87	86.00	13394	0.00	0.16	0.0	0.2
WQTV	BASIN-1	BASE	9.92	84.87	86.00	13360	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.00	84.86	86.00	13326	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.08	84.86	86.00	13292	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.17	84.86	86.00	13258	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.25	84.85	86.00	13223	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.33	84.85	86.00	13189	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.42	84.85	86.00	13155	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.50	84.84	86.00	13121	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.58	84.84	86.00	13087	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.67	84.84	86.00	13053	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.75	84.83	86.00	13018	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.83	84.83	86.00	12984	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	10.92	84.83	86.00	12950	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.00	84.82	86.00	12916	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.08	84.82	86.00	12882	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.17	84.81	86.00	12848	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.25	84.81	86.00	12813	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.33	84.81	86.00	12779	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.42	84.80	86.00	12745	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.50	84.80	86.00	12711	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.58	84.80	86.00	12677	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.67	84.79	86.00	12643	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.75	84.79	86.00	12608	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.83	84.79	86.00	12574	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	11.92	84.78	86.00	12540	0.00	0.15	0.0	0.2
WQTV	BASIN-1	BASE	12.00	84.78	86.00	12506	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.08	84.78	86.00	12472	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.17	84.77	86.00	12438	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.25	84.77	86.00	12403	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.33	84.77	86.00	12369	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.42	84.76	86.00	12335	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.50	84.76	86.00	12301	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.58	84.76	86.00	12267	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.67	84.75	86.00	12233	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.75	84.75	86.00	12198	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.83	84.75	86.00	12164	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	12.92	84.74	86.00	12130	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.00	84.74	86.00	12096	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.08	84.73	86.00	12062	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.17	84.73	86.00	12028	0.00	0.14	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-1	BASE	13.25	84.73	86.00	11993	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.33	84.72	86.00	11959	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.42	84.72	86.00	11925	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.50	84.72	86.00	11891	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.58	84.71	86.00	11857	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.67	84.71	86.00	11823	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.75	84.71	86.00	11788	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.83	84.70	86.00	11754	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	13.92	84.70	86.00	11720	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	14.00	84.70	86.00	11686	0.00	0.14	0.0	0.2
WQTV	BASIN-1	BASE	14.08	84.69	86.00	11652	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.17	84.69	86.00	11618	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.25	84.69	86.00	11583	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.33	84.68	86.00	11549	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.42	84.68	86.00	11515	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.50	84.68	86.00	11481	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.58	84.67	86.00	11447	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.67	84.67	86.00	11413	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.75	84.67	86.00	11378	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.83	84.66	86.00	11344	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	14.92	84.66	86.00	11310	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.00	84.65	86.00	11276	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.08	84.65	86.00	11242	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.17	84.65	86.00	11208	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.25	84.64	86.00	11173	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.33	84.64	86.00	11139	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.42	84.64	86.00	11105	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.50	84.63	86.00	11071	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.58	84.63	86.00	11037	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.67	84.63	86.00	11003	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.75	84.62	86.00	10968	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.83	84.62	86.00	10934	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	15.92	84.62	86.00	10900	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	16.00	84.61	86.00	10866	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	16.08	84.61	86.00	10832	0.00	0.13	0.0	0.2
WQTV	BASIN-1	BASE	16.17	84.61	86.00	10798	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.25	84.60	86.00	10763	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.33	84.60	86.00	10729	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.42	84.60	86.00	10695	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.50	84.59	86.00	10661	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.58	84.59	86.00	10627	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.67	84.59	86.00	10593	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.75	84.58	86.00	10558	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.83	84.58	86.00	10524	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	16.92	84.58	86.00	10490	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.00	84.57	86.00	10456	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.08	84.57	86.00	10422	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.17	84.56	86.00	10388	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.25	84.56	86.00	10353	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.33	84.56	86.00	10319	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.42	84.55	86.00	10285	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.50	84.55	86.00	10251	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.58	84.55	86.00	10217	0.00	0.12	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-1	BASE	17.67	84.54	86.00	10183	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.75	84.54	86.00	10148	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.83	84.54	86.00	10114	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	17.92	84.53	86.00	10080	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	18.00	84.53	86.00	10046	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	18.08	84.53	86.00	10012	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	18.17	84.52	86.00	9978	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	18.25	84.52	86.00	9943	0.00	0.12	0.0	0.2
WQTV	BASIN-1	BASE	18.33	84.52	86.00	9909	0.00	0.11	0.0	0.2
WQTV	BASIN-1	BASE	18.42	84.51	86.00	9875	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	18.50	84.51	86.00	9841	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	18.58	84.51	86.00	9807	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	18.67	84.50	86.00	9773	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	18.75	84.50	86.00	9738	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	18.83	84.50	86.00	9704	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	18.92	84.49	86.00	9670	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.00	84.49	86.00	9636	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.08	84.48	86.00	9602	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.17	84.48	86.00	9568	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.25	84.48	86.00	9533	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.33	84.47	86.00	9499	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.42	84.47	86.00	9465	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.50	84.47	86.00	9431	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.58	84.46	86.00	9397	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.67	84.46	86.00	9363	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.75	84.46	86.00	9328	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.83	84.45	86.00	9294	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	19.92	84.45	86.00	9260	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	20.00	84.45	86.00	9226	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	20.08	84.44	86.00	9192	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	20.17	84.44	86.00	9158	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	20.25	84.44	86.00	9123	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	20.33	84.43	86.00	9089	0.00	0.11	0.0	0.3
WQTV	BASIN-1	BASE	20.42	84.43	86.00	9055	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	20.50	84.43	86.00	9021	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	20.58	84.42	86.00	8987	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	20.67	84.42	86.00	8953	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	20.75	84.42	86.00	8918	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	20.83	84.41	86.00	8884	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	20.92	84.41	86.00	8850	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.00	84.40	86.00	8816	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.08	84.40	86.00	8782	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.17	84.40	86.00	8748	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.25	84.39	86.00	8713	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.33	84.39	86.00	8679	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.42	84.39	86.00	8645	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.50	84.38	86.00	8611	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.58	84.38	86.00	8577	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.67	84.38	86.00	8543	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.75	84.37	86.00	8508	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.83	84.37	86.00	8474	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	21.92	84.37	86.00	8440	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	22.00	84.36	86.00	8406	0.00	0.10	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-1	BASE	22.08	84.36	86.00	8372	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	22.17	84.36	86.00	8338	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	22.25	84.35	86.00	8303	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	22.33	84.35	86.00	8269	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	22.42	84.35	86.00	8235	0.00	0.10	0.0	0.3
WQTV	BASIN-1	BASE	22.50	84.34	86.00	8201	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	22.58	84.34	86.00	8167	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	22.67	84.34	86.00	8132	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	22.75	84.33	86.00	8098	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	22.83	84.33	86.00	8064	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	22.92	84.33	86.00	8030	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.00	84.32	86.00	7996	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.08	84.32	86.00	7962	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.17	84.31	86.00	7927	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.25	84.31	86.00	7893	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.33	84.31	86.00	7859	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.42	84.30	86.00	7825	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.50	84.30	86.00	7791	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.58	84.30	86.00	7757	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.67	84.29	86.00	7722	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.75	84.29	86.00	7688	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.83	84.29	86.00	7654	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	23.92	84.28	86.00	7620	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.00	84.28	86.00	7586	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.08	84.28	86.00	7552	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.17	84.27	86.00	7517	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.25	84.27	86.00	7483	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.33	84.27	86.00	7449	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.42	84.26	86.00	7415	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.50	84.26	86.00	7381	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.58	84.26	86.00	7347	0.00	0.09	0.0	0.3
WQTV	BASIN-1	BASE	24.67	84.25	86.00	7312	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	24.75	84.25	86.00	7278	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	24.83	84.25	86.00	7244	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	24.92	84.24	86.00	7210	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.00	84.24	86.00	7176	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.08	84.23	86.00	7142	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.17	84.23	86.00	7107	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.25	84.23	86.00	7073	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.33	84.22	86.00	7039	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.42	84.22	86.00	7005	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.50	84.22	86.00	6971	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.58	84.21	86.00	6937	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.67	84.21	86.00	6902	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.75	84.21	86.00	6868	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.83	84.20	86.00	6834	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	25.92	84.20	86.00	6800	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	26.00	84.20	86.00	6766	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	26.08	84.19	86.00	6732	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	26.17	84.19	86.00	6697	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	26.25	84.19	86.00	6663	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	26.33	84.18	86.00	6629	0.00	0.08	0.0	0.3
WQTV	BASIN-1	BASE	26.42	84.18	86.00	6595	0.00	0.08	0.0	0.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-1	BASE	26.50	84.18	86.00	6561	0.00	0.08	0.0	0.3	
WQTV	BASIN-1	BASE	26.58	84.17	86.00	6527	0.00	0.08	0.0	0.3	
WQTV	BASIN-1	BASE	26.67	84.17	86.00	6492	0.00	0.08	0.0	0.3	
WQTV	BASIN-1	BASE	26.75	84.17	86.00	6458	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	26.83	84.16	86.00	6424	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	26.92	84.16	86.00	6390	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.00	84.15	86.00	6356	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.08	84.15	86.00	6322	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.17	84.15	86.00	6287	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.25	84.14	86.00	6253	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.33	84.14	86.00	6219	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.42	84.14	86.00	6185	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.50	84.13	86.00	6151	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.58	84.13	86.00	6117	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.67	84.13	86.00	6082	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.75	84.12	86.00	6048	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.83	84.12	86.00	6014	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	27.92	84.12	86.00	5980	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.00	84.11	86.00	5946	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.08	84.11	86.00	5912	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.17	84.11	86.00	5877	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.25	84.10	86.00	5843	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.33	84.10	86.00	5809	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.42	84.10	86.00	5775	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.50	84.09	86.00	5741	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.58	84.09	86.00	5707	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.67	84.09	86.00	5672	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.75	84.08	86.00	5638	0.00	0.07	0.0	0.3	
WQTV	BASIN-1	BASE	28.83	84.08	86.00	5604	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	28.92	84.08	86.00	5570	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.00	84.07	86.00	5536	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.08	84.07	86.00	5502	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.17	84.06	86.00	5467	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.25	84.06	86.00	5433	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.33	84.06	86.00	5399	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.42	84.05	86.00	5365	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.50	84.05	86.00	5331	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.58	84.05	86.00	5297	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.67	84.04	86.00	5262	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.75	84.04	86.00	5228	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.83	84.04	86.00	5194	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	29.92	84.03	86.00	5160	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.00	84.03	86.00	5126	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.08	84.03	86.00	5092	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.17	84.02	86.00	5057	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.25	84.02	86.00	5023	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.33	84.02	86.00	4989	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.42	84.01	86.00	4955	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.50	84.01	86.00	4921	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.58	84.01	86.00	4887	0.00	0.06	0.0	0.3	
WQTV	BASIN-1	BASE	30.67	84.00	86.00	4852	0.00	0.06	0.0	0.3	BASIN-1 WQTV
WQTV	BASIN-1	BASE	30.75	84.00	86.00	4831	0.00	0.00	0.0	0.3	
WQTV	BASIN-1	BASE	30.83	84.00	86.00	4831	0.00	0.00	0.0	0.3	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-1	BASE	79.50	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	79.58	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	79.67	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	79.75	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	79.83	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	79.92	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	80.00	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-1	BASE	80.00	84.00	86.00	4831	0.00	0.00	0.0	0.3
WQTV	BASIN-10	BASE	0.00	73.19	79.00	43427	0.00	0.00	0.0	0.0
WQTV	BASIN-10	BASE	0.08	73.19	79.00	43307	0.00	0.50	0.0	0.0
WQTV	BASIN-10	BASE	0.17	73.18	79.00	43187	0.00	0.50	0.0	0.0
WQTV	BASIN-10	BASE	0.25	73.18	79.00	43067	0.00	0.50	0.0	0.0
WQTV	BASIN-10	BASE	0.33	73.18	79.00	42947	0.00	0.50	0.0	0.0
WQTV	BASIN-10	BASE	0.42	73.17	79.00	42827	0.00	0.50	0.0	0.0
WQTV	BASIN-10	BASE	0.50	73.17	79.00	42708	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	0.58	73.17	79.00	42588	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	0.67	73.16	79.00	42468	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	0.75	73.16	79.00	42348	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	0.83	73.16	79.00	42227	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	0.92	73.15	79.00	42106	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	1.00	73.15	79.00	41987	0.00	0.49	0.0	0.0
WQTV	BASIN-10	BASE	1.09	73.14	79.00	41865	0.00	0.48	0.0	0.0
WQTV	BASIN-10	BASE	1.17	73.14	79.00	41746	0.00	0.48	0.0	0.0
WQTV	BASIN-10	BASE	1.25	73.14	79.00	41625	0.00	0.48	0.0	0.0
WQTV	BASIN-10	BASE	1.33	73.13	79.00	41508	0.00	0.48	0.0	0.1
WQTV	BASIN-10	BASE	1.42	73.13	79.00	41387	0.00	0.48	0.0	0.1
WQTV	BASIN-10	BASE	1.50	73.13	79.00	41266	0.00	0.48	0.0	0.1
WQTV	BASIN-10	BASE	1.59	73.12	79.00	41144	0.00	0.48	0.0	0.1
WQTV	BASIN-10	BASE	1.67	73.12	79.00	41027	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	1.75	73.12	79.00	40905	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	1.83	73.11	79.00	40788	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	1.92	73.11	79.00	40666	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	2.00	73.11	79.00	40549	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	2.09	73.10	79.00	40425	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	2.17	73.10	79.00	40309	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	2.25	73.10	79.00	40187	0.00	0.47	0.0	0.1
WQTV	BASIN-10	BASE	2.34	73.09	79.00	40065	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.42	73.09	79.00	39949	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.50	73.09	79.00	39827	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.59	73.08	79.00	39705	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.67	73.08	79.00	39590	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.75	73.08	79.00	39468	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.84	73.07	79.00	39343	0.00	0.46	0.0	0.1
WQTV	BASIN-10	BASE	2.92	73.07	79.00	39228	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.00	73.06	79.00	39107	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.09	73.06	79.00	38985	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.17	73.06	79.00	38863	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.25	73.05	79.00	38748	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.34	73.05	79.00	38626	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.42	73.05	79.00	38505	0.00	0.45	0.0	0.1
WQTV	BASIN-10	BASE	3.50	73.04	79.00	38390	0.00	0.44	0.0	0.1
WQTV	BASIN-10	BASE	3.58	73.04	79.00	38268	0.00	0.44	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-10	BASE	3.67	73.04	79.00	38146	0.00	0.44	0.0	0.1
WQTV	BASIN-10	BASE	3.75	73.03	79.00	38024	0.00	0.44	0.0	0.1
WQTV	BASIN-10	BASE	3.83	73.03	79.00	37910	0.00	0.44	0.0	0.1
WQTV	BASIN-10	BASE	3.92	73.03	79.00	37786	0.00	0.44	0.0	0.2
WQTV	BASIN-10	BASE	4.01	73.02	79.00	37662	0.00	0.44	0.0	0.2
WQTV	BASIN-10	BASE	4.09	73.02	79.00	37548	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.17	73.02	79.00	37424	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.25	73.01	79.00	37310	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.34	73.01	79.00	37186	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.42	73.01	79.00	37062	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.50	73.00	79.00	36948	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.59	73.00	79.00	36834	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.67	73.00	79.00	36746	0.00	0.43	0.0	0.2
WQTV	BASIN-10	BASE	4.75	72.99	79.00	36651	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	4.84	72.99	79.00	36556	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	4.92	72.99	79.00	36469	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.01	72.98	79.00	36374	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.09	72.98	79.00	36283	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.17	72.97	79.00	36192	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.25	72.97	79.00	36101	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.34	72.97	79.00	36009	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.42	72.96	79.00	35918	0.00	0.42	0.0	0.2
WQTV	BASIN-10	BASE	5.50	72.96	79.00	35827	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	5.58	72.96	79.00	35736	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	5.67	72.95	79.00	35645	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	5.75	72.95	79.00	35553	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	5.84	72.95	79.00	35453	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	5.92	72.94	79.00	35362	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	6.01	72.94	79.00	35271	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	6.09	72.94	79.00	35179	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	6.17	72.93	79.00	35088	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	6.25	72.93	79.00	34997	0.00	0.41	0.0	0.2
WQTV	BASIN-10	BASE	6.34	72.93	79.00	34906	0.00	0.40	0.0	0.2
WQTV	BASIN-10	BASE	6.42	72.92	79.00	34815	0.00	0.40	0.0	0.2
WQTV	BASIN-10	BASE	6.50	72.92	79.00	34723	0.00	0.40	0.0	0.2
WQTV	BASIN-10	BASE	6.59	72.92	79.00	34632	0.00	0.40	0.0	0.2
WQTV	BASIN-10	BASE	6.67	72.91	79.00	34541	0.00	0.40	0.0	0.2
WQTV	BASIN-10	BASE	6.75	72.91	79.00	34450	0.00	0.40	0.0	0.2
WQTV	BASIN-10	BASE	6.83	72.91	79.00	34358	0.00	0.40	0.0	0.3
WQTV	BASIN-10	BASE	6.92	72.90	79.00	34267	0.00	0.40	0.0	0.3
WQTV	BASIN-10	BASE	7.00	72.90	79.00	34175	0.00	0.40	0.0	0.3
WQTV	BASIN-10	BASE	7.08	72.89	79.00	34083	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.17	72.89	79.00	33991	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.25	72.89	79.00	33899	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.33	72.88	79.00	33807	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.42	72.88	79.00	33715	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.50	72.88	79.00	33624	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.58	72.87	79.00	33532	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.67	72.87	79.00	33440	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.75	72.87	79.00	33348	0.00	0.39	0.0	0.3
WQTV	BASIN-10	BASE	7.83	72.86	79.00	33256	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	7.92	72.86	79.00	33164	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.00	72.86	79.00	33072	0.00	0.38	0.0	0.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-10	BASE	8.08	72.85	79.00	32981	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.17	72.85	79.00	32889	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.25	72.85	79.00	32797	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.33	72.84	79.00	32705	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.42	72.84	79.00	32613	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.50	72.84	79.00	32521	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.58	72.83	79.00	32429	0.00	0.38	0.0	0.3
WQTV	BASIN-10	BASE	8.67	72.83	79.00	32338	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	8.75	72.83	79.00	32246	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	8.83	72.82	79.00	32154	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	8.92	72.82	79.00	32062	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	9.00	72.81	79.00	31970	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	9.08	72.81	79.00	31878	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	9.17	72.81	79.00	31786	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	9.25	72.80	79.00	31695	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	9.33	72.80	79.00	31603	0.00	0.37	0.0	0.3
WQTV	BASIN-10	BASE	9.42	72.80	79.00	31511	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	9.50	72.79	79.00	31419	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	9.58	72.79	79.00	31327	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	9.67	72.79	79.00	31235	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	9.75	72.78	79.00	31144	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	9.83	72.78	79.00	31052	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	9.92	72.78	79.00	30960	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	10.00	72.77	79.00	30868	0.00	0.36	0.0	0.3
WQTV	BASIN-10	BASE	10.08	72.77	79.00	30776	0.00	0.36	0.0	0.4
WQTV	BASIN-10	BASE	10.17	72.77	79.00	30684	0.00	0.36	0.0	0.4
WQTV	BASIN-10	BASE	10.25	72.76	79.00	30592	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.33	72.76	79.00	30501	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.42	72.76	79.00	30409	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.50	72.75	79.00	30317	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.58	72.75	79.00	30225	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.67	72.75	79.00	30133	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.75	72.74	79.00	30041	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.83	72.74	79.00	29949	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	10.92	72.74	79.00	29858	0.00	0.35	0.0	0.4
WQTV	BASIN-10	BASE	11.00	72.73	79.00	29766	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.08	72.73	79.00	29674	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.17	72.72	79.00	29582	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.25	72.72	79.00	29490	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.33	72.72	79.00	29398	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.42	72.71	79.00	29306	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.50	72.71	79.00	29215	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.58	72.71	79.00	29123	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.67	72.70	79.00	29031	0.00	0.34	0.0	0.4
WQTV	BASIN-10	BASE	11.75	72.70	79.00	28939	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	11.83	72.70	79.00	28847	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	11.92	72.69	79.00	28755	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.00	72.69	79.00	28663	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.08	72.69	79.00	28572	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.17	72.68	79.00	28480	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.25	72.68	79.00	28388	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.33	72.68	79.00	28296	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.42	72.67	79.00	28204	0.00	0.33	0.0	0.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-10	BASE	12.50	72.67	79.00	28112	0.00	0.33	0.0	0.4
WQTV	BASIN-10	BASE	12.58	72.67	79.00	28020	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	12.67	72.66	79.00	27929	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	12.75	72.66	79.00	27837	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	12.83	72.66	79.00	27745	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	12.92	72.65	79.00	27653	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	13.00	72.65	79.00	27561	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	13.08	72.64	79.00	27469	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	13.17	72.64	79.00	27377	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	13.25	72.64	79.00	27286	0.00	0.32	0.0	0.4
WQTV	BASIN-10	BASE	13.33	72.63	79.00	27194	0.00	0.31	0.0	0.4
WQTV	BASIN-10	BASE	13.42	72.63	79.00	27102	0.00	0.31	0.0	0.4
WQTV	BASIN-10	BASE	13.50	72.63	79.00	27010	0.00	0.31	0.0	0.4
WQTV	BASIN-10	BASE	13.58	72.62	79.00	26918	0.00	0.31	0.0	0.4
WQTV	BASIN-10	BASE	13.67	72.62	79.00	26826	0.00	0.31	0.0	0.5
WQTV	BASIN-10	BASE	13.75	72.62	79.00	26735	0.00	0.31	0.0	0.5
WQTV	BASIN-10	BASE	13.83	72.61	79.00	26643	0.00	0.31	0.0	0.5
WQTV	BASIN-10	BASE	13.92	72.61	79.00	26551	0.00	0.31	0.0	0.5
WQTV	BASIN-10	BASE	14.00	72.61	79.00	26459	0.00	0.31	0.0	0.5
WQTV	BASIN-10	BASE	14.08	72.60	79.00	26367	0.00	0.31	0.0	0.5
WQTV	BASIN-10	BASE	14.17	72.60	79.00	26275	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.25	72.60	79.00	26183	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.33	72.59	79.00	26092	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.42	72.59	79.00	26000	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.50	72.59	79.00	25908	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.58	72.58	79.00	25816	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.67	72.58	79.00	25724	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.75	72.58	79.00	25632	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.83	72.57	79.00	25540	0.00	0.30	0.0	0.5
WQTV	BASIN-10	BASE	14.92	72.57	79.00	25449	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.00	72.56	79.00	25357	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.08	72.56	79.00	25265	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.17	72.56	79.00	25173	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.25	72.55	79.00	25081	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.33	72.55	79.00	24989	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.42	72.55	79.00	24897	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.50	72.54	79.00	24806	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.58	72.54	79.00	24714	0.00	0.29	0.0	0.5
WQTV	BASIN-10	BASE	15.67	72.54	79.00	24622	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	15.75	72.53	79.00	24530	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	15.83	72.53	79.00	24438	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	15.92	72.53	79.00	24346	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.00	72.52	79.00	24254	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.08	72.52	79.00	24163	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.17	72.52	79.00	24071	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.25	72.51	79.00	23979	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.33	72.51	79.00	23887	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.42	72.51	79.00	23795	0.00	0.28	0.0	0.5
WQTV	BASIN-10	BASE	16.50	72.50	79.00	23703	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	16.58	72.50	79.00	23611	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	16.67	72.50	79.00	23520	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	16.75	72.49	79.00	23428	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	16.83	72.49	79.00	23336	0.00	0.27	0.0	0.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-10	BASE	16.92	72.49	79.00	23244	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	17.00	72.48	79.00	23152	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	17.08	72.48	79.00	23060	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	17.17	72.47	79.00	22968	0.00	0.27	0.0	0.5
WQTV	BASIN-10	BASE	17.25	72.47	79.00	22877	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.33	72.47	79.00	22785	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.42	72.46	79.00	22693	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.50	72.46	79.00	22601	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.58	72.46	79.00	22509	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.67	72.45	79.00	22417	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.75	72.45	79.00	22326	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.83	72.45	79.00	22234	0.00	0.26	0.0	0.5
WQTV	BASIN-10	BASE	17.92	72.44	79.00	22142	0.00	0.26	0.0	0.6
WQTV	BASIN-10	BASE	18.00	72.44	79.00	22050	0.00	0.26	0.0	0.6
WQTV	BASIN-10	BASE	18.08	72.44	79.00	21958	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.17	72.43	79.00	21866	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.25	72.43	79.00	21774	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.33	72.43	79.00	21683	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.42	72.42	79.00	21591	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.50	72.42	79.00	21499	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.58	72.42	79.00	21407	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.67	72.41	79.00	21315	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.75	72.41	79.00	21223	0.00	0.25	0.0	0.6
WQTV	BASIN-10	BASE	18.83	72.41	79.00	21131	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	18.92	72.40	79.00	21040	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.00	72.40	79.00	20948	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.08	72.39	79.00	20856	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.17	72.39	79.00	20764	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.25	72.39	79.00	20672	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.33	72.38	79.00	20580	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.42	72.38	79.00	20488	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.50	72.38	79.00	20397	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.58	72.37	79.00	20305	0.00	0.24	0.0	0.6
WQTV	BASIN-10	BASE	19.67	72.37	79.00	20213	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	19.75	72.37	79.00	20121	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	19.83	72.36	79.00	20029	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	19.92	72.36	79.00	19937	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	20.00	72.36	79.00	19845	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	20.08	72.35	79.00	19754	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	20.17	72.35	79.00	19662	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	20.25	72.35	79.00	19570	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	20.33	72.34	79.00	19478	0.00	0.23	0.0	0.6
WQTV	BASIN-10	BASE	20.42	72.34	79.00	19386	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	20.50	72.34	79.00	19294	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	20.58	72.33	79.00	19202	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	20.67	72.33	79.00	19111	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	20.75	72.33	79.00	19019	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	20.83	72.32	79.00	18927	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	20.92	72.32	79.00	18835	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	21.00	72.31	79.00	18743	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	21.08	72.31	79.00	18651	0.00	0.22	0.0	0.6
WQTV	BASIN-10	BASE	21.17	72.31	79.00	18559	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.25	72.30	79.00	18468	0.00	0.21	0.0	0.6

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-10	BASE	21.33	72.30	79.00	18376	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.42	72.30	79.00	18284	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.50	72.29	79.00	18192	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.58	72.29	79.00	18100	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.67	72.29	79.00	18008	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.75	72.28	79.00	17917	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.83	72.28	79.00	17825	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	21.92	72.28	79.00	17733	0.00	0.21	0.0	0.6
WQTV	BASIN-10	BASE	22.00	72.27	79.00	17641	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.08	72.27	79.00	17549	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.17	72.27	79.00	17457	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.25	72.26	79.00	17365	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.33	72.26	79.00	17274	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.42	72.26	79.00	17182	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.50	72.25	79.00	17090	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.58	72.25	79.00	16998	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.67	72.25	79.00	16906	0.00	0.20	0.0	0.6
WQTV	BASIN-10	BASE	22.75	72.24	79.00	16814	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	22.83	72.24	79.00	16722	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	22.92	72.24	79.00	16631	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	23.00	72.23	79.00	16539	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	23.08	72.23	79.00	16447	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	23.17	72.22	79.00	16355	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	23.25	72.22	79.00	16263	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	23.33	72.22	79.00	16171	0.00	0.19	0.0	0.6
WQTV	BASIN-10	BASE	23.42	72.21	79.00	16079	0.00	0.19	0.0	0.7
WQTV	BASIN-10	BASE	23.50	72.21	79.00	15988	0.00	0.19	0.0	0.7
WQTV	BASIN-10	BASE	23.58	72.21	79.00	15896	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	23.67	72.20	79.00	15804	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	23.75	72.20	79.00	15712	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	23.83	72.20	79.00	15620	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	23.92	72.19	79.00	15528	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	24.00	72.19	79.00	15436	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	24.08	72.19	79.00	15345	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	24.17	72.18	79.00	15253	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	24.25	72.18	79.00	15161	0.00	0.18	0.0	0.7
WQTV	BASIN-10	BASE	24.33	72.18	79.00	15069	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.42	72.17	79.00	14977	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.50	72.17	79.00	14885	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.58	72.17	79.00	14793	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.67	72.16	79.00	14702	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.75	72.16	79.00	14610	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.83	72.16	79.00	14518	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	24.92	72.15	79.00	14426	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	25.00	72.15	79.00	14334	0.00	0.17	0.0	0.7
WQTV	BASIN-10	BASE	25.08	72.14	79.00	14242	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.17	72.14	79.00	14150	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.25	72.14	79.00	14059	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.33	72.13	79.00	13967	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.42	72.13	79.00	13875	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.50	72.13	79.00	13783	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.58	72.12	79.00	13691	0.00	0.16	0.0	0.7
WQTV	BASIN-10	BASE	25.67	72.12	79.00	13599	0.00	0.16	0.0	0.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-10	BASE	25.75	72.12	79.00	13508	0.00	0.16	0.0	0.7	
WQTV	BASIN-10	BASE	25.83	72.11	79.00	13416	0.00	0.16	0.0	0.7	
WQTV	BASIN-10	BASE	25.92	72.11	79.00	13324	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.00	72.11	79.00	13232	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.08	72.10	79.00	13140	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.17	72.10	79.00	13048	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.25	72.10	79.00	12956	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.33	72.09	79.00	12865	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.42	72.09	79.00	12773	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.50	72.09	79.00	12681	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.58	72.08	79.00	12589	0.00	0.15	0.0	0.7	
WQTV	BASIN-10	BASE	26.67	72.08	79.00	12497	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	26.75	72.08	79.00	12405	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	26.83	72.07	79.00	12313	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	26.92	72.07	79.00	12222	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.00	72.06	79.00	12130	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.08	72.06	79.00	12038	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.17	72.06	79.00	11946	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.25	72.05	79.00	11854	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.33	72.05	79.00	11762	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.42	72.05	79.00	11670	0.00	0.14	0.0	0.7	
WQTV	BASIN-10	BASE	27.50	72.04	79.00	11579	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	27.58	72.04	79.00	11487	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	27.67	72.04	79.00	11395	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	27.75	72.03	79.00	11303	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	27.83	72.03	79.00	11211	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	27.92	72.03	79.00	11119	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	28.00	72.02	79.00	11027	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	28.08	72.02	79.00	10936	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	28.17	72.02	79.00	10844	0.00	0.13	0.0	0.7	
WQTV	BASIN-10	BASE	28.25	72.01	79.00	10752	0.00	0.12	0.0	0.7	
WQTV	BASIN-10	BASE	28.33	72.01	79.00	10660	0.00	0.12	0.0	0.7	
WQTV	BASIN-10	BASE	28.42	72.01	79.00	10568	0.00	0.12	0.0	0.7	
WQTV	BASIN-10	BASE	28.50	72.00	79.00	10476	0.00	0.12	0.0	0.7	BASIN-10 WQTV
WQTV	BASIN-10	BASE	28.58	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	28.67	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	28.75	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	28.83	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	28.92	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.00	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.08	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.17	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.25	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.33	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.42	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.50	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.58	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.67	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.75	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.83	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	29.92	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	30.00	72.00	79.00	10411	0.00	0.00	0.0	0.7	
WQTV	BASIN-10	BASE	30.08	72.00	79.00	10411	0.00	0.00	0.0	0.7	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-10	BASE	78.75	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	78.83	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	78.92	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.00	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.08	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.17	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.25	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.33	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.42	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.50	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.58	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.67	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.75	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.83	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	79.92	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	80.00	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-10	BASE	80.00	72.00	79.00	10411	0.00	0.00	0.0	0.7
WQTV	BASIN-11	BASE	0.00	82.05	84.00	8786	0.00	0.00	0.0	0.0
WQTV	BASIN-11	BASE	0.08	82.05	84.00	8756	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.17	82.04	84.00	8725	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.25	82.04	84.00	8695	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.33	82.04	84.00	8665	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.42	82.03	84.00	8635	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.50	82.03	84.00	8605	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.58	82.03	84.00	8574	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.67	82.02	84.00	8544	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.75	82.02	84.00	8514	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.83	82.02	84.00	8483	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	0.92	82.01	84.00	8453	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.00	82.01	84.00	8423	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.09	82.00	84.00	8392	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.17	82.00	84.00	8362	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.25	82.00	84.00	8337	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.33	81.99	84.00	8315	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.42	81.99	84.00	8293	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.50	81.99	84.00	8271	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.59	81.98	84.00	8249	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.67	81.98	84.00	8228	0.00	0.10	0.0	0.0
WQTV	BASIN-11	BASE	1.75	81.98	84.00	8206	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	1.83	81.97	84.00	8184	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	1.92	81.97	84.00	8162	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.00	81.97	84.00	8141	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.09	81.96	84.00	8118	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.17	81.96	84.00	8097	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.25	81.96	84.00	8075	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.34	81.95	84.00	8052	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.42	81.95	84.00	8031	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.50	81.95	84.00	8009	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.59	81.94	84.00	7987	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.67	81.94	84.00	7966	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.75	81.94	84.00	7944	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	2.84	81.93	84.00	7921	0.00	0.09	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-11	BASE	2.92	81.93	84.00	7900	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.00	81.92	84.00	7878	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.09	81.92	84.00	7856	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.17	81.92	84.00	7833	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.25	81.91	84.00	7812	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.34	81.91	84.00	7790	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.42	81.91	84.00	7768	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.50	81.90	84.00	7747	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.58	81.90	84.00	7725	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.67	81.90	84.00	7703	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.75	81.89	84.00	7681	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.83	81.89	84.00	7660	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	3.92	81.89	84.00	7637	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.01	81.88	84.00	7615	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.09	81.88	84.00	7594	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.17	81.88	84.00	7571	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.25	81.87	84.00	7550	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.34	81.87	84.00	7528	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.42	81.87	84.00	7505	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.50	81.86	84.00	7484	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.59	81.86	84.00	7462	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.67	81.86	84.00	7441	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.75	81.85	84.00	7418	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.84	81.85	84.00	7396	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	4.92	81.85	84.00	7375	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	5.01	81.84	84.00	7352	0.00	0.09	0.0	0.0
WQTV	BASIN-11	BASE	5.09	81.84	84.00	7331	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.17	81.83	84.00	7309	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.25	81.83	84.00	7287	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.34	81.83	84.00	7266	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.42	81.82	84.00	7244	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.50	81.82	84.00	7222	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.58	81.82	84.00	7201	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.67	81.81	84.00	7179	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.75	81.81	84.00	7157	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.84	81.81	84.00	7133	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	5.92	81.80	84.00	7112	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.01	81.80	84.00	7090	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.09	81.80	84.00	7068	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.17	81.79	84.00	7047	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.25	81.79	84.00	7025	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.34	81.79	84.00	7003	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.42	81.78	84.00	6981	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.50	81.78	84.00	6960	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.59	81.78	84.00	6938	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.67	81.77	84.00	6916	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.75	81.77	84.00	6895	0.00	0.08	0.0	0.0
WQTV	BASIN-11	BASE	6.83	81.77	84.00	6873	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	6.92	81.76	84.00	6851	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.00	81.76	84.00	6829	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.08	81.75	84.00	6807	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.17	81.75	84.00	6785	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.25	81.75	84.00	6764	0.00	0.08	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-11	BASE	7.33	81.74	84.00	6742	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.42	81.74	84.00	6720	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.50	81.74	84.00	6698	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.58	81.73	84.00	6676	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.67	81.73	84.00	6654	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.75	81.73	84.00	6632	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.83	81.72	84.00	6611	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	7.92	81.72	84.00	6589	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	8.00	81.72	84.00	6567	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	8.08	81.71	84.00	6545	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	8.17	81.71	84.00	6523	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	8.25	81.71	84.00	6501	0.00	0.08	0.0	0.1
WQTV	BASIN-11	BASE	8.33	81.70	84.00	6479	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.42	81.70	84.00	6458	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.50	81.70	84.00	6436	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.58	81.69	84.00	6414	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.67	81.69	84.00	6392	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.75	81.69	84.00	6370	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.83	81.68	84.00	6348	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	8.92	81.68	84.00	6326	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.00	81.67	84.00	6305	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.08	81.67	84.00	6283	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.17	81.67	84.00	6261	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.25	81.66	84.00	6239	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.33	81.66	84.00	6217	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.42	81.66	84.00	6195	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.50	81.65	84.00	6173	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.58	81.65	84.00	6152	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.67	81.65	84.00	6130	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.75	81.64	84.00	6108	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.83	81.64	84.00	6086	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	9.92	81.64	84.00	6064	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.00	81.63	84.00	6042	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.08	81.63	84.00	6020	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.17	81.63	84.00	5999	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.25	81.62	84.00	5977	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.33	81.62	84.00	5955	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.42	81.62	84.00	5933	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.50	81.61	84.00	5911	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.58	81.61	84.00	5889	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.67	81.61	84.00	5867	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.75	81.60	84.00	5846	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.83	81.60	84.00	5824	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	10.92	81.60	84.00	5802	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.00	81.59	84.00	5780	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.08	81.59	84.00	5758	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.17	81.58	84.00	5736	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.25	81.58	84.00	5715	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.33	81.58	84.00	5693	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.42	81.57	84.00	5671	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.50	81.57	84.00	5649	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.58	81.57	84.00	5627	0.00	0.07	0.0	0.1
WQTV	BASIN-11	BASE	11.67	81.56	84.00	5605	0.00	0.06	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-11	BASE	11.75	81.56	84.00	5583	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	11.83	81.56	84.00	5562	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	11.92	81.55	84.00	5540	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.00	81.55	84.00	5518	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.08	81.55	84.00	5496	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.17	81.54	84.00	5474	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.25	81.54	84.00	5452	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.33	81.54	84.00	5430	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.42	81.53	84.00	5409	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.50	81.53	84.00	5387	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.58	81.53	84.00	5365	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.67	81.52	84.00	5343	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.75	81.52	84.00	5321	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.83	81.52	84.00	5299	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	12.92	81.51	84.00	5277	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.00	81.51	84.00	5256	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.08	81.50	84.00	5234	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.17	81.50	84.00	5212	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.25	81.50	84.00	5190	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.33	81.49	84.00	5168	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.42	81.49	84.00	5146	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.50	81.49	84.00	5124	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.58	81.48	84.00	5103	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.67	81.48	84.00	5081	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.75	81.48	84.00	5059	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.83	81.47	84.00	5037	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	13.92	81.47	84.00	5015	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.00	81.47	84.00	4993	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.08	81.46	84.00	4971	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.17	81.46	84.00	4950	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.25	81.46	84.00	4928	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.33	81.45	84.00	4906	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.42	81.45	84.00	4884	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.50	81.45	84.00	4862	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.58	81.44	84.00	4840	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.67	81.44	84.00	4818	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.75	81.44	84.00	4797	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.83	81.43	84.00	4775	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	14.92	81.43	84.00	4753	0.00	0.06	0.0	0.1
WQTV	BASIN-11	BASE	15.00	81.42	84.00	4731	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.08	81.42	84.00	4709	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.17	81.42	84.00	4687	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.25	81.41	84.00	4665	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.33	81.41	84.00	4644	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.42	81.41	84.00	4622	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.50	81.40	84.00	4600	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.58	81.40	84.00	4578	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.67	81.40	84.00	4556	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.75	81.39	84.00	4534	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.83	81.39	84.00	4512	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	15.92	81.39	84.00	4491	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.00	81.38	84.00	4469	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.08	81.38	84.00	4447	0.00	0.05	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-11	BASE	16.17	81.38	84.00	4425	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.25	81.37	84.00	4403	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.33	81.37	84.00	4381	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.42	81.37	84.00	4359	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.50	81.36	84.00	4338	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.58	81.36	84.00	4316	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.67	81.36	84.00	4294	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.75	81.35	84.00	4272	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.83	81.35	84.00	4250	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	16.92	81.35	84.00	4228	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.00	81.34	84.00	4206	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.08	81.34	84.00	4185	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.17	81.33	84.00	4163	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.25	81.33	84.00	4141	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.33	81.33	84.00	4119	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.42	81.32	84.00	4097	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.50	81.32	84.00	4075	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.58	81.32	84.00	4053	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.67	81.31	84.00	4032	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.75	81.31	84.00	4010	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.83	81.31	84.00	3988	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	17.92	81.30	84.00	3966	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	18.00	81.30	84.00	3944	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	18.08	81.30	84.00	3922	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	18.17	81.29	84.00	3900	0.00	0.05	0.0	0.1
WQTV	BASIN-11	BASE	18.25	81.29	84.00	3879	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.33	81.29	84.00	3857	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.42	81.28	84.00	3835	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.50	81.28	84.00	3813	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.58	81.28	84.00	3791	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.67	81.27	84.00	3769	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.75	81.27	84.00	3748	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.83	81.27	84.00	3726	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	18.92	81.26	84.00	3704	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.00	81.26	84.00	3682	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.08	81.25	84.00	3660	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.17	81.25	84.00	3638	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.25	81.25	84.00	3616	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.33	81.24	84.00	3595	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.42	81.24	84.00	3573	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.50	81.24	84.00	3551	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.58	81.23	84.00	3529	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.67	81.23	84.00	3507	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.75	81.23	84.00	3485	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.83	81.22	84.00	3463	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	19.92	81.22	84.00	3442	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.00	81.22	84.00	3420	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.08	81.21	84.00	3398	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.17	81.21	84.00	3376	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.25	81.21	84.00	3354	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.33	81.20	84.00	3332	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.42	81.20	84.00	3310	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.50	81.20	84.00	3289	0.00	0.04	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-11	BASE	20.58	81.19	84.00	3267	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.67	81.19	84.00	3245	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.75	81.19	84.00	3223	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.83	81.18	84.00	3201	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	20.92	81.18	84.00	3179	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.00	81.17	84.00	3157	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.08	81.17	84.00	3136	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.17	81.17	84.00	3114	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.25	81.16	84.00	3092	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.33	81.16	84.00	3070	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.42	81.16	84.00	3048	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.50	81.15	84.00	3026	0.00	0.04	0.0	0.1
WQTV	BASIN-11	BASE	21.58	81.15	84.00	3004	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	21.67	81.15	84.00	2983	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	21.75	81.14	84.00	2961	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	21.83	81.14	84.00	2939	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	21.92	81.14	84.00	2917	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.00	81.13	84.00	2895	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.08	81.13	84.00	2873	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.17	81.13	84.00	2851	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.25	81.12	84.00	2830	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.33	81.12	84.00	2808	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.42	81.12	84.00	2786	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.50	81.11	84.00	2764	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.58	81.11	84.00	2742	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.67	81.11	84.00	2720	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.75	81.10	84.00	2698	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.83	81.10	84.00	2677	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	22.92	81.10	84.00	2655	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.00	81.09	84.00	2633	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.08	81.09	84.00	2611	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.17	81.08	84.00	2589	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.25	81.08	84.00	2567	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.33	81.08	84.00	2545	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.42	81.07	84.00	2524	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.50	81.07	84.00	2502	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.58	81.07	84.00	2480	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.67	81.06	84.00	2458	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.75	81.06	84.00	2436	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.83	81.06	84.00	2414	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	23.92	81.05	84.00	2392	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.00	81.05	84.00	2371	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.08	81.05	84.00	2349	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.17	81.04	84.00	2327	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.25	81.04	84.00	2305	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.33	81.04	84.00	2283	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.42	81.03	84.00	2261	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.50	81.03	84.00	2239	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.58	81.03	84.00	2218	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.67	81.02	84.00	2196	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.75	81.02	84.00	2174	0.00	0.03	0.0	0.1
WQTV	BASIN-11	BASE	24.83	81.02	84.00	2152	0.00	0.02	0.0	0.1
WQTV	BASIN-11	BASE	24.92	81.01	84.00	2130	0.00	0.02	0.0	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-11	BASE	25.00	81.01	84.00	2108	0.00	0.02	0.0	0.1	
WQTV	BASIN-11	BASE	25.08	81.00	84.00	2086	0.00	0.02	0.0	0.1	BASIN-11 WQTV
WQTV	BASIN-11	BASE	25.17	81.00	84.00	2065	0.00	0.02	0.0	0.1	
WQTV	BASIN-11	BASE	25.25	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.33	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.42	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.50	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.58	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.67	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.75	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.83	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	25.92	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.00	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.08	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.17	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.25	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.33	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.42	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.50	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.58	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.67	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.75	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.83	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	26.92	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.00	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.08	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.17	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.25	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.33	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.42	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.50	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.58	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.67	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.75	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.83	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	27.92	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.00	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.08	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.17	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.25	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.33	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.42	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.50	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.58	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.67	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.75	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.83	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	28.92	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	29.00	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	29.08	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	29.17	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	29.25	81.00	84.00	2056	0.00	0.00	0.0	0.1	
WQTV	BASIN-11	BASE	29.33	81.00	84.00	2056	0.00	0.00	0.0	0.1	

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-11	BASE	78.00	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.08	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.17	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.25	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.33	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.42	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.50	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.58	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.67	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.75	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.83	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	78.92	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.00	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.08	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.17	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.25	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.33	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.42	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.50	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.58	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.67	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.75	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.83	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	79.92	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	80.00	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-11	BASE	80.00	81.00	84.00	2056	0.00	0.00	0.0	0.1
WQTV	BASIN-12	BASE	0.00	82.77	84.00	70037	0.00	0.00	0.0	0.0
WQTV	BASIN-12	BASE	0.08	82.77	84.00	69789	0.00	0.81	0.0	0.0
WQTV	BASIN-12	BASE	0.17	82.76	84.00	69541	0.00	0.80	0.0	0.0
WQTV	BASIN-12	BASE	0.25	82.76	84.00	69293	0.00	0.80	0.0	0.0
WQTV	BASIN-12	BASE	0.33	82.76	84.00	69045	0.00	0.80	0.0	0.0
WQTV	BASIN-12	BASE	0.42	82.75	84.00	68797	0.00	0.80	0.0	0.0
WQTV	BASIN-12	BASE	0.50	82.75	84.00	68549	0.00	0.79	0.0	0.0
WQTV	BASIN-12	BASE	0.58	82.75	84.00	68302	0.00	0.79	0.0	0.0
WQTV	BASIN-12	BASE	0.67	82.74	84.00	68054	0.00	0.79	0.0	0.0
WQTV	BASIN-12	BASE	0.75	82.74	84.00	67806	0.00	0.78	0.0	0.0
WQTV	BASIN-12	BASE	0.83	82.74	84.00	67557	0.00	0.78	0.0	0.1
WQTV	BASIN-12	BASE	0.92	82.73	84.00	67305	0.00	0.78	0.0	0.1
WQTV	BASIN-12	BASE	1.00	82.73	84.00	67060	0.00	0.78	0.0	0.1
WQTV	BASIN-12	BASE	1.09	82.72	84.00	66808	0.00	0.77	0.0	0.1
WQTV	BASIN-12	BASE	1.17	82.72	84.00	66561	0.00	0.77	0.0	0.1
WQTV	BASIN-12	BASE	1.25	82.72	84.00	66311	0.00	0.77	0.0	0.1
WQTV	BASIN-12	BASE	1.33	82.71	84.00	66069	0.00	0.76	0.0	0.1
WQTV	BASIN-12	BASE	1.42	82.71	84.00	65819	0.00	0.76	0.0	0.1
WQTV	BASIN-12	BASE	1.50	82.71	84.00	65569	0.00	0.76	0.0	0.1
WQTV	BASIN-12	BASE	1.59	82.70	84.00	65317	0.00	0.76	0.0	0.1
WQTV	BASIN-12	BASE	1.67	82.70	84.00	65075	0.00	0.75	0.0	0.1
WQTV	BASIN-12	BASE	1.75	82.70	84.00	64823	0.00	0.75	0.0	0.1
WQTV	BASIN-12	BASE	1.83	82.69	84.00	64581	0.00	0.75	0.0	0.1
WQTV	BASIN-12	BASE	1.92	82.69	84.00	64329	0.00	0.74	0.0	0.1
WQTV	BASIN-12	BASE	2.00	82.69	84.00	64087	0.00	0.74	0.0	0.1
WQTV	BASIN-12	BASE	2.09	82.68	84.00	63830	0.00	0.74	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-12	BASE	2.17	82.68	84.00	63590	0.00	0.74	0.0	0.1
WQTV	BASIN-12	BASE	2.25	82.68	84.00	63338	0.00	0.73	0.0	0.1
WQTV	BASIN-12	BASE	2.34	82.67	84.00	63086	0.00	0.73	0.0	0.1
WQTV	BASIN-12	BASE	2.42	82.67	84.00	62847	0.00	0.73	0.0	0.2
WQTV	BASIN-12	BASE	2.50	82.67	84.00	62594	0.00	0.72	0.0	0.2
WQTV	BASIN-12	BASE	2.59	82.66	84.00	62342	0.00	0.72	0.0	0.2
WQTV	BASIN-12	BASE	2.67	82.66	84.00	62103	0.00	0.72	0.0	0.2
WQTV	BASIN-12	BASE	2.75	82.66	84.00	61851	0.00	0.72	0.0	0.2
WQTV	BASIN-12	BASE	2.84	82.65	84.00	61592	0.00	0.71	0.0	0.2
WQTV	BASIN-12	BASE	2.92	82.65	84.00	61356	0.00	0.71	0.0	0.2
WQTV	BASIN-12	BASE	3.00	82.64	84.00	61104	0.00	0.71	0.0	0.2
WQTV	BASIN-12	BASE	3.09	82.64	84.00	60852	0.00	0.70	0.0	0.2
WQTV	BASIN-12	BASE	3.17	82.64	84.00	60600	0.00	0.70	0.0	0.2
WQTV	BASIN-12	BASE	3.25	82.63	84.00	60363	0.00	0.70	0.0	0.2
WQTV	BASIN-12	BASE	3.34	82.63	84.00	60111	0.00	0.70	0.0	0.2
WQTV	BASIN-12	BASE	3.42	82.63	84.00	59859	0.00	0.69	0.0	0.2
WQTV	BASIN-12	BASE	3.50	82.62	84.00	59623	0.00	0.69	0.0	0.2
WQTV	BASIN-12	BASE	3.58	82.62	84.00	59371	0.00	0.69	0.0	0.2
WQTV	BASIN-12	BASE	3.67	82.62	84.00	59119	0.00	0.68	0.0	0.2
WQTV	BASIN-12	BASE	3.75	82.61	84.00	58867	0.00	0.68	0.0	0.2
WQTV	BASIN-12	BASE	3.83	82.61	84.00	58630	0.00	0.68	0.0	0.2
WQTV	BASIN-12	BASE	3.92	82.61	84.00	58374	0.00	0.68	0.0	0.2
WQTV	BASIN-12	BASE	4.01	82.60	84.00	58118	0.00	0.67	0.0	0.2
WQTV	BASIN-12	BASE	4.09	82.60	84.00	57882	0.00	0.67	0.0	0.2
WQTV	BASIN-12	BASE	4.17	82.60	84.00	57626	0.00	0.67	0.0	0.3
WQTV	BASIN-12	BASE	4.25	82.59	84.00	57390	0.00	0.66	0.0	0.3
WQTV	BASIN-12	BASE	4.34	82.59	84.00	57134	0.00	0.66	0.0	0.3
WQTV	BASIN-12	BASE	4.42	82.59	84.00	56878	0.00	0.66	0.0	0.3
WQTV	BASIN-12	BASE	4.50	82.58	84.00	56641	0.00	0.66	0.0	0.3
WQTV	BASIN-12	BASE	4.59	82.58	84.00	56385	0.00	0.65	0.0	0.3
WQTV	BASIN-12	BASE	4.67	82.58	84.00	56149	0.00	0.65	0.0	0.3
WQTV	BASIN-12	BASE	4.75	82.57	84.00	55893	0.00	0.65	0.0	0.3
WQTV	BASIN-12	BASE	4.84	82.57	84.00	55637	0.00	0.64	0.0	0.3
WQTV	BASIN-12	BASE	4.92	82.57	84.00	55400	0.00	0.64	0.0	0.3
WQTV	BASIN-12	BASE	5.01	82.56	84.00	55144	0.00	0.64	0.0	0.3
WQTV	BASIN-12	BASE	5.09	82.56	84.00	54898	0.00	0.64	0.0	0.3
WQTV	BASIN-12	BASE	5.17	82.55	84.00	54652	0.00	0.63	0.0	0.3
WQTV	BASIN-12	BASE	5.25	82.55	84.00	54406	0.00	0.63	0.0	0.3
WQTV	BASIN-12	BASE	5.34	82.55	84.00	54160	0.00	0.63	0.0	0.3
WQTV	BASIN-12	BASE	5.42	82.54	84.00	53913	0.00	0.62	0.0	0.3
WQTV	BASIN-12	BASE	5.50	82.54	84.00	53667	0.00	0.62	0.0	0.3
WQTV	BASIN-12	BASE	5.58	82.54	84.00	53421	0.00	0.62	0.0	0.3
WQTV	BASIN-12	BASE	5.67	82.53	84.00	53175	0.00	0.62	0.0	0.3
WQTV	BASIN-12	BASE	5.75	82.53	84.00	52929	0.00	0.61	0.0	0.3
WQTV	BASIN-12	BASE	5.84	82.53	84.00	52658	0.00	0.61	0.0	0.3
WQTV	BASIN-12	BASE	5.92	82.52	84.00	52412	0.00	0.61	0.0	0.3
WQTV	BASIN-12	BASE	6.01	82.52	84.00	52166	0.00	0.60	0.0	0.3
WQTV	BASIN-12	BASE	6.09	82.52	84.00	51919	0.00	0.60	0.0	0.4
WQTV	BASIN-12	BASE	6.17	82.51	84.00	51673	0.00	0.60	0.0	0.4
WQTV	BASIN-12	BASE	6.25	82.51	84.00	51427	0.00	0.60	0.0	0.4
WQTV	BASIN-12	BASE	6.34	82.51	84.00	51181	0.00	0.59	0.0	0.4
WQTV	BASIN-12	BASE	6.42	82.50	84.00	50935	0.00	0.59	0.0	0.4
WQTV	BASIN-12	BASE	6.50	82.50	84.00	50688	0.00	0.59	0.0	0.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-12	BASE	6.59	82.50	84.00	50442	0.00	0.58	0.0	0.4
WQTV	BASIN-12	BASE	6.67	82.49	84.00	50196	0.00	0.58	0.0	0.4
WQTV	BASIN-12	BASE	6.75	82.49	84.00	49950	0.00	0.58	0.0	0.4
WQTV	BASIN-12	BASE	6.83	82.49	84.00	49703	0.00	0.58	0.0	0.4
WQTV	BASIN-12	BASE	6.92	82.48	84.00	49455	0.00	0.57	0.0	0.4
WQTV	BASIN-12	BASE	7.00	82.48	84.00	49207	0.00	0.57	0.0	0.4
WQTV	BASIN-12	BASE	7.08	82.47	84.00	48959	0.00	0.57	0.0	0.4
WQTV	BASIN-12	BASE	7.17	82.47	84.00	48711	0.00	0.56	0.0	0.4
WQTV	BASIN-12	BASE	7.25	82.47	84.00	48463	0.00	0.56	0.0	0.4
WQTV	BASIN-12	BASE	7.33	82.46	84.00	48215	0.00	0.56	0.0	0.4
WQTV	BASIN-12	BASE	7.42	82.46	84.00	47967	0.00	0.56	0.0	0.4
WQTV	BASIN-12	BASE	7.50	82.46	84.00	47719	0.00	0.55	0.0	0.4
WQTV	BASIN-12	BASE	7.58	82.45	84.00	47471	0.00	0.55	0.0	0.4
WQTV	BASIN-12	BASE	7.67	82.45	84.00	47223	0.00	0.55	0.0	0.4
WQTV	BASIN-12	BASE	7.75	82.45	84.00	46975	0.00	0.54	0.0	0.4
WQTV	BASIN-12	BASE	7.83	82.44	84.00	46728	0.00	0.54	0.0	0.4
WQTV	BASIN-12	BASE	7.92	82.44	84.00	46480	0.00	0.54	0.0	0.4
WQTV	BASIN-12	BASE	8.00	82.44	84.00	46232	0.00	0.54	0.0	0.4
WQTV	BASIN-12	BASE	8.08	82.43	84.00	45984	0.00	0.53	0.0	0.4
WQTV	BASIN-12	BASE	8.17	82.43	84.00	45736	0.00	0.53	0.0	0.4
WQTV	BASIN-12	BASE	8.25	82.43	84.00	45488	0.00	0.53	0.0	0.5
WQTV	BASIN-12	BASE	8.33	82.42	84.00	45240	0.00	0.52	0.0	0.5
WQTV	BASIN-12	BASE	8.42	82.42	84.00	44992	0.00	0.52	0.0	0.5
WQTV	BASIN-12	BASE	8.50	82.42	84.00	44744	0.00	0.52	0.0	0.5
WQTV	BASIN-12	BASE	8.58	82.41	84.00	44496	0.00	0.51	0.0	0.5
WQTV	BASIN-12	BASE	8.67	82.41	84.00	44248	0.00	0.51	0.0	0.5
WQTV	BASIN-12	BASE	8.75	82.41	84.00	44000	0.00	0.51	0.0	0.5
WQTV	BASIN-12	BASE	8.83	82.40	84.00	43752	0.00	0.51	0.0	0.5
WQTV	BASIN-12	BASE	8.92	82.40	84.00	43504	0.00	0.50	0.0	0.5
WQTV	BASIN-12	BASE	9.00	82.39	84.00	43256	0.00	0.50	0.0	0.5
WQTV	BASIN-12	BASE	9.08	82.39	84.00	43008	0.00	0.50	0.0	0.5
WQTV	BASIN-12	BASE	9.17	82.39	84.00	42760	0.00	0.49	0.0	0.5
WQTV	BASIN-12	BASE	9.25	82.38	84.00	42512	0.00	0.49	0.0	0.5
WQTV	BASIN-12	BASE	9.33	82.38	84.00	42264	0.00	0.49	0.0	0.5
WQTV	BASIN-12	BASE	9.42	82.38	84.00	42016	0.00	0.49	0.0	0.5
WQTV	BASIN-12	BASE	9.50	82.37	84.00	41768	0.00	0.48	0.0	0.5
WQTV	BASIN-12	BASE	9.58	82.37	84.00	41520	0.00	0.48	0.0	0.5
WQTV	BASIN-12	BASE	9.67	82.37	84.00	41272	0.00	0.48	0.0	0.5
WQTV	BASIN-12	BASE	9.75	82.36	84.00	41024	0.00	0.47	0.0	0.5
WQTV	BASIN-12	BASE	9.83	82.36	84.00	40776	0.00	0.47	0.0	0.5
WQTV	BASIN-12	BASE	9.92	82.36	84.00	40529	0.00	0.47	0.0	0.5
WQTV	BASIN-12	BASE	10.00	82.35	84.00	40281	0.00	0.47	0.0	0.5
WQTV	BASIN-12	BASE	10.08	82.35	84.00	40033	0.00	0.46	0.0	0.5
WQTV	BASIN-12	BASE	10.17	82.35	84.00	39785	0.00	0.46	0.0	0.5
WQTV	BASIN-12	BASE	10.25	82.34	84.00	39537	0.00	0.46	0.0	0.5
WQTV	BASIN-12	BASE	10.33	82.34	84.00	39289	0.00	0.45	0.0	0.5
WQTV	BASIN-12	BASE	10.42	82.34	84.00	39041	0.00	0.45	0.0	0.5
WQTV	BASIN-12	BASE	10.50	82.33	84.00	38793	0.00	0.45	0.0	0.5
WQTV	BASIN-12	BASE	10.58	82.33	84.00	38545	0.00	0.45	0.0	0.5
WQTV	BASIN-12	BASE	10.67	82.33	84.00	38297	0.00	0.44	0.0	0.5
WQTV	BASIN-12	BASE	10.75	82.32	84.00	38049	0.00	0.44	0.0	0.6
WQTV	BASIN-12	BASE	10.83	82.32	84.00	37801	0.00	0.44	0.0	0.6
WQTV	BASIN-12	BASE	10.92	82.32	84.00	37553	0.00	0.43	0.0	0.6

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-12	BASE	11.00	82.31	84.00	37305	0.00	0.43	0.0	0.6
WQTV	BASIN-12	BASE	11.08	82.31	84.00	37057	0.00	0.43	0.0	0.6
WQTV	BASIN-12	BASE	11.17	82.30	84.00	36809	0.00	0.43	0.0	0.6
WQTV	BASIN-12	BASE	11.25	82.30	84.00	36561	0.00	0.42	0.0	0.6
WQTV	BASIN-12	BASE	11.33	82.30	84.00	36313	0.00	0.42	0.0	0.6
WQTV	BASIN-12	BASE	11.42	82.29	84.00	36065	0.00	0.42	0.0	0.6
WQTV	BASIN-12	BASE	11.50	82.29	84.00	35817	0.00	0.41	0.0	0.6
WQTV	BASIN-12	BASE	11.58	82.29	84.00	35569	0.00	0.41	0.0	0.6
WQTV	BASIN-12	BASE	11.67	82.28	84.00	35321	0.00	0.41	0.0	0.6
WQTV	BASIN-12	BASE	11.75	82.28	84.00	35073	0.00	0.41	0.0	0.6
WQTV	BASIN-12	BASE	11.83	82.28	84.00	34825	0.00	0.40	0.0	0.6
WQTV	BASIN-12	BASE	11.92	82.27	84.00	34578	0.00	0.40	0.0	0.6
WQTV	BASIN-12	BASE	12.00	82.27	84.00	34330	0.00	0.40	0.0	0.6
WQTV	BASIN-12	BASE	12.08	82.27	84.00	34082	0.00	0.39	0.0	0.6
WQTV	BASIN-12	BASE	12.17	82.26	84.00	33834	0.00	0.39	0.0	0.6
WQTV	BASIN-12	BASE	12.25	82.26	84.00	33586	0.00	0.39	0.0	0.6
WQTV	BASIN-12	BASE	12.33	82.26	84.00	33338	0.00	0.39	0.0	0.6
WQTV	BASIN-12	BASE	12.42	82.25	84.00	33090	0.00	0.38	0.0	0.6
WQTV	BASIN-12	BASE	12.50	82.25	84.00	32842	0.00	0.38	0.0	0.6
WQTV	BASIN-12	BASE	12.58	82.25	84.00	32594	0.00	0.38	0.0	0.6
WQTV	BASIN-12	BASE	12.67	82.24	84.00	32346	0.00	0.37	0.0	0.6
WQTV	BASIN-12	BASE	12.75	82.24	84.00	32098	0.00	0.37	0.0	0.6
WQTV	BASIN-12	BASE	12.83	82.24	84.00	31850	0.00	0.37	0.0	0.6
WQTV	BASIN-12	BASE	12.92	82.23	84.00	31602	0.00	0.37	0.0	0.6
WQTV	BASIN-12	BASE	13.00	82.23	84.00	31354	0.00	0.36	0.0	0.6
WQTV	BASIN-12	BASE	13.08	82.22	84.00	31106	0.00	0.36	0.0	0.6
WQTV	BASIN-12	BASE	13.17	82.22	84.00	30858	0.00	0.36	0.0	0.6
WQTV	BASIN-12	BASE	13.25	82.22	84.00	30610	0.00	0.35	0.0	0.6
WQTV	BASIN-12	BASE	13.33	82.21	84.00	30362	0.00	0.35	0.0	0.6
WQTV	BASIN-12	BASE	13.42	82.21	84.00	30114	0.00	0.35	0.0	0.6
WQTV	BASIN-12	BASE	13.50	82.21	84.00	29866	0.00	0.35	0.0	0.6
WQTV	BASIN-12	BASE	13.58	82.20	84.00	29618	0.00	0.34	0.0	0.6
WQTV	BASIN-12	BASE	13.67	82.20	84.00	29370	0.00	0.34	0.0	0.6
WQTV	BASIN-12	BASE	13.75	82.20	84.00	29122	0.00	0.34	0.0	0.6
WQTV	BASIN-12	BASE	13.83	82.19	84.00	28874	0.00	0.33	0.0	0.7
WQTV	BASIN-12	BASE	13.92	82.19	84.00	28626	0.00	0.33	0.0	0.7
WQTV	BASIN-12	BASE	14.00	82.19	84.00	28379	0.00	0.33	0.0	0.7
WQTV	BASIN-12	BASE	14.08	82.18	84.00	28131	0.00	0.33	0.0	0.7
WQTV	BASIN-12	BASE	14.17	82.18	84.00	27883	0.00	0.32	0.0	0.7
WQTV	BASIN-12	BASE	14.25	82.18	84.00	27635	0.00	0.32	0.0	0.7
WQTV	BASIN-12	BASE	14.33	82.17	84.00	27387	0.00	0.32	0.0	0.7
WQTV	BASIN-12	BASE	14.42	82.17	84.00	27139	0.00	0.31	0.0	0.7
WQTV	BASIN-12	BASE	14.50	82.17	84.00	26891	0.00	0.31	0.0	0.7
WQTV	BASIN-12	BASE	14.58	82.16	84.00	26643	0.00	0.31	0.0	0.7
WQTV	BASIN-12	BASE	14.67	82.16	84.00	26395	0.00	0.31	0.0	0.7
WQTV	BASIN-12	BASE	14.75	82.16	84.00	26147	0.00	0.30	0.0	0.7
WQTV	BASIN-12	BASE	14.83	82.15	84.00	25899	0.00	0.30	0.0	0.7
WQTV	BASIN-12	BASE	14.92	82.15	84.00	25651	0.00	0.30	0.0	0.7
WQTV	BASIN-12	BASE	15.00	82.14	84.00	25403	0.00	0.29	0.0	0.7
WQTV	BASIN-12	BASE	15.08	82.14	84.00	25155	0.00	0.29	0.0	0.7
WQTV	BASIN-12	BASE	15.17	82.14	84.00	24907	0.00	0.29	0.0	0.7
WQTV	BASIN-12	BASE	15.25	82.13	84.00	24659	0.00	0.29	0.0	0.7
WQTV	BASIN-12	BASE	15.33	82.13	84.00	24411	0.00	0.28	0.0	0.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-12	BASE	15.42	82.13	84.00	24163	0.00	0.28	0.0	0.7	
WQTV	BASIN-12	BASE	15.50	82.12	84.00	23915	0.00	0.28	0.0	0.7	
WQTV	BASIN-12	BASE	15.58	82.12	84.00	23667	0.00	0.27	0.0	0.7	
WQTV	BASIN-12	BASE	15.67	82.12	84.00	23419	0.00	0.27	0.0	0.7	
WQTV	BASIN-12	BASE	15.75	82.11	84.00	23171	0.00	0.27	0.0	0.7	
WQTV	BASIN-12	BASE	15.83	82.11	84.00	22923	0.00	0.27	0.0	0.7	
WQTV	BASIN-12	BASE	15.92	82.11	84.00	22675	0.00	0.26	0.0	0.7	
WQTV	BASIN-12	BASE	16.00	82.10	84.00	22428	0.00	0.26	0.0	0.7	
WQTV	BASIN-12	BASE	16.08	82.10	84.00	22180	0.00	0.26	0.0	0.7	
WQTV	BASIN-12	BASE	16.17	82.10	84.00	21932	0.00	0.25	0.0	0.7	
WQTV	BASIN-12	BASE	16.25	82.09	84.00	21684	0.00	0.25	0.0	0.7	
WQTV	BASIN-12	BASE	16.33	82.09	84.00	21436	0.00	0.25	0.0	0.7	
WQTV	BASIN-12	BASE	16.42	82.09	84.00	21188	0.00	0.25	0.0	0.7	
WQTV	BASIN-12	BASE	16.50	82.08	84.00	20940	0.00	0.24	0.0	0.7	
WQTV	BASIN-12	BASE	16.58	82.08	84.00	20692	0.00	0.24	0.0	0.7	
WQTV	BASIN-12	BASE	16.67	82.08	84.00	20444	0.00	0.24	0.0	0.7	
WQTV	BASIN-12	BASE	16.75	82.07	84.00	20196	0.00	0.23	0.0	0.7	
WQTV	BASIN-12	BASE	16.83	82.07	84.00	19948	0.00	0.23	0.0	0.7	
WQTV	BASIN-12	BASE	16.92	82.07	84.00	19700	0.00	0.23	0.0	0.7	
WQTV	BASIN-12	BASE	17.00	82.06	84.00	19452	0.00	0.23	0.0	0.7	
WQTV	BASIN-12	BASE	17.08	82.06	84.00	19204	0.00	0.22	0.0	0.7	
WQTV	BASIN-12	BASE	17.17	82.05	84.00	18956	0.00	0.22	0.0	0.7	
WQTV	BASIN-12	BASE	17.25	82.05	84.00	18708	0.00	0.22	0.0	0.7	
WQTV	BASIN-12	BASE	17.33	82.05	84.00	18460	0.00	0.21	0.0	0.7	
WQTV	BASIN-12	BASE	17.42	82.04	84.00	18212	0.00	0.21	0.0	0.7	
WQTV	BASIN-12	BASE	17.50	82.04	84.00	17964	0.00	0.21	0.0	0.7	
WQTV	BASIN-12	BASE	17.58	82.04	84.00	17716	0.00	0.21	0.0	0.7	
WQTV	BASIN-12	BASE	17.67	82.03	84.00	17468	0.00	0.20	0.0	0.7	
WQTV	BASIN-12	BASE	17.75	82.03	84.00	17220	0.00	0.20	0.0	0.7	
WQTV	BASIN-12	BASE	17.83	82.03	84.00	16972	0.00	0.20	0.0	0.7	
WQTV	BASIN-12	BASE	17.92	82.02	84.00	16724	0.00	0.19	0.0	0.7	
WQTV	BASIN-12	BASE	18.00	82.02	84.00	16476	0.00	0.19	0.0	0.7	
WQTV	BASIN-12	BASE	18.08	82.02	84.00	16229	0.00	0.19	0.0	0.7	
WQTV	BASIN-12	BASE	18.17	82.01	84.00	15981	0.00	0.18	0.0	0.7	
WQTV	BASIN-12	BASE	18.25	82.01	84.00	15733	0.00	0.18	0.0	0.7	
WQTV	BASIN-12	BASE	18.33	82.01	84.00	15485	0.00	0.18	0.0	0.7	
WQTV	BASIN-12	BASE	18.42	82.00	84.00	15237	0.00	0.18	0.0	0.7	BASIN-12 WQTV
WQTV	BASIN-12	BASE	18.50	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	18.58	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	18.67	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	18.75	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	18.83	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	18.92	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.00	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.08	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.17	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.25	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.33	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.42	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.50	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.58	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.67	82.00	84.00	15050	0.00	0.00	0.0	0.7	
WQTV	BASIN-12	BASE	19.75	82.00	84.00	15050	0.00	0.00	0.0	0.7	

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-12	BASE	77.25	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.33	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.42	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.50	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.58	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.67	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.75	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.83	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	77.92	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.00	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.08	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.17	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.25	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.33	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.42	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.50	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.58	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.67	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.75	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.83	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	78.92	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.00	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.08	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.17	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.25	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.33	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.42	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.50	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.58	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.67	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.75	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.83	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	79.92	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	80.00	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-12	BASE	80.00	82.00	84.00	15050	0.00	0.00	0.0	0.7
WQTV	BASIN-13	BASE	0.00	89.05	89.00	5393	0.00	18.70	0.0	0.0
WQTV	BASIN-13	BASE	0.08	88.91	89.00	5116	0.00	0.20	0.0	0.1
WQTV	BASIN-13	BASE	0.17	88.90	89.00	5105	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.25	88.90	89.00	5098	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.33	88.89	89.00	5092	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.42	88.89	89.00	5085	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.50	88.89	89.00	5078	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.58	88.88	89.00	5072	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.67	88.88	89.00	5065	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.75	88.88	89.00	5059	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.83	88.87	89.00	5052	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	0.92	88.87	89.00	5045	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.00	88.87	89.00	5038	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.09	88.86	89.00	5032	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.17	88.86	89.00	5025	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.25	88.85	89.00	5018	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.33	88.85	89.00	5012	0.00	0.06	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	1.42	88.85	89.00	5005	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.50	88.84	89.00	4998	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.59	88.84	89.00	4992	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.67	88.84	89.00	4985	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.75	88.83	89.00	4978	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.83	88.83	89.00	4972	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	1.92	88.83	89.00	4965	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.00	88.82	89.00	4959	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.09	88.82	89.00	4952	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.17	88.82	89.00	4945	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.25	88.81	89.00	4939	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.34	88.81	89.00	4932	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.42	88.81	89.00	4925	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.50	88.80	89.00	4919	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.59	88.80	89.00	4912	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.67	88.80	89.00	4905	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.75	88.79	89.00	4899	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.84	88.79	89.00	4892	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	2.92	88.79	89.00	4885	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.00	88.78	89.00	4879	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.09	88.78	89.00	4872	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.17	88.77	89.00	4865	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.25	88.77	89.00	4859	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.34	88.77	89.00	4852	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.42	88.76	89.00	4845	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.50	88.76	89.00	4839	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.58	88.76	89.00	4832	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.67	88.75	89.00	4825	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.75	88.75	89.00	4819	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.83	88.75	89.00	4812	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	3.92	88.74	89.00	4805	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.01	88.74	89.00	4798	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.09	88.74	89.00	4792	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.17	88.73	89.00	4785	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.25	88.73	89.00	4779	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.34	88.73	89.00	4772	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.42	88.72	89.00	4765	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.50	88.72	89.00	4759	0.00	0.06	0.0	0.1
WQTV	BASIN-13	BASE	4.59	88.72	89.00	4752	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	4.67	88.71	89.00	4746	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	4.75	88.71	89.00	4739	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	4.84	88.71	89.00	4732	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	4.92	88.70	89.00	4726	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.01	88.70	89.00	4719	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.09	88.69	89.00	4712	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.17	88.69	89.00	4705	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.25	88.69	89.00	4699	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.34	88.68	89.00	4692	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.42	88.68	89.00	4686	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.50	88.68	89.00	4679	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.58	88.67	89.00	4672	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.67	88.67	89.00	4666	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.75	88.67	89.00	4659	0.00	0.05	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	5.84	88.66	89.00	4652	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	5.92	88.66	89.00	4645	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.01	88.66	89.00	4639	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.09	88.65	89.00	4632	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.17	88.65	89.00	4626	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.25	88.65	89.00	4619	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.34	88.64	89.00	4612	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.42	88.64	89.00	4606	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.50	88.64	89.00	4599	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.59	88.63	89.00	4592	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.67	88.63	89.00	4586	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.75	88.63	89.00	4579	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.83	88.62	89.00	4573	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	6.92	88.62	89.00	4566	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.00	88.62	89.00	4559	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.08	88.61	89.00	4553	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.17	88.61	89.00	4546	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.25	88.60	89.00	4539	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.33	88.60	89.00	4533	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.42	88.60	89.00	4526	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.50	88.59	89.00	4519	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.58	88.59	89.00	4513	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.67	88.59	89.00	4506	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.75	88.58	89.00	4499	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.83	88.58	89.00	4493	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	7.92	88.58	89.00	4486	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.00	88.57	89.00	4479	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.08	88.57	89.00	4473	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.17	88.57	89.00	4466	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.25	88.56	89.00	4460	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.33	88.56	89.00	4453	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.42	88.56	89.00	4446	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.50	88.55	89.00	4440	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.58	88.55	89.00	4433	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.67	88.55	89.00	4426	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.75	88.54	89.00	4420	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.83	88.54	89.00	4413	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	8.92	88.54	89.00	4406	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.00	88.53	89.00	4400	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.08	88.53	89.00	4393	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.17	88.52	89.00	4386	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.25	88.52	89.00	4380	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.33	88.52	89.00	4373	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.42	88.51	89.00	4366	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.50	88.51	89.00	4360	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.58	88.51	89.00	4353	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.67	88.50	89.00	4346	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.75	88.50	89.00	4340	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.83	88.50	89.00	4333	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	9.92	88.49	89.00	4326	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.00	88.49	89.00	4320	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.08	88.49	89.00	4313	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.17	88.48	89.00	4306	0.00	0.05	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	10.25	88.48	89.00	4300	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.33	88.48	89.00	4293	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.42	88.47	89.00	4286	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.50	88.47	89.00	4280	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.58	88.47	89.00	4273	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.67	88.46	89.00	4267	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.75	88.46	89.00	4260	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.83	88.46	89.00	4253	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	10.92	88.45	89.00	4247	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.00	88.45	89.00	4240	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.08	88.45	89.00	4233	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.17	88.44	89.00	4227	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.25	88.44	89.00	4220	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.33	88.43	89.00	4213	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.42	88.43	89.00	4207	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.50	88.43	89.00	4200	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.58	88.42	89.00	4193	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.67	88.42	89.00	4187	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.75	88.42	89.00	4180	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.83	88.41	89.00	4173	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	11.92	88.41	89.00	4167	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.00	88.41	89.00	4160	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.08	88.40	89.00	4153	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.17	88.40	89.00	4147	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.25	88.40	89.00	4140	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.33	88.39	89.00	4133	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.42	88.39	89.00	4127	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.50	88.39	89.00	4120	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.58	88.38	89.00	4113	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.67	88.38	89.00	4107	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.75	88.38	89.00	4100	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.83	88.37	89.00	4093	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	12.92	88.37	89.00	4087	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.00	88.37	89.00	4080	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.08	88.36	89.00	4074	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.17	88.36	89.00	4067	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.25	88.35	89.00	4060	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.33	88.35	89.00	4054	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.42	88.35	89.00	4047	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.50	88.34	89.00	4040	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.58	88.34	89.00	4034	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.67	88.34	89.00	4027	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.75	88.33	89.00	4020	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.83	88.33	89.00	4014	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	13.92	88.33	89.00	4007	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.00	88.32	89.00	4000	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.08	88.32	89.00	3994	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.17	88.32	89.00	3987	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.25	88.31	89.00	3980	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.33	88.31	89.00	3974	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.42	88.31	89.00	3967	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.50	88.30	89.00	3960	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.58	88.30	89.00	3954	0.00	0.05	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	14.67	88.30	89.00	3947	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.75	88.29	89.00	3940	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.83	88.29	89.00	3934	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	14.92	88.29	89.00	3927	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	15.00	88.28	89.00	3920	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	15.08	88.28	89.00	3914	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	15.17	88.27	89.00	3907	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	15.25	88.27	89.00	3900	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	15.33	88.27	89.00	3894	0.00	0.05	0.0	0.1
WQTV	BASIN-13	BASE	15.42	88.26	89.00	3887	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	15.50	88.26	89.00	3881	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	15.58	88.26	89.00	3874	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	15.67	88.25	89.00	3867	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	15.75	88.25	89.00	3861	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	15.83	88.25	89.00	3854	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	15.92	88.24	89.00	3847	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.00	88.24	89.00	3841	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.08	88.24	89.00	3834	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.17	88.23	89.00	3827	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.25	88.23	89.00	3821	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.33	88.23	89.00	3814	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.42	88.22	89.00	3807	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.50	88.22	89.00	3801	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.58	88.22	89.00	3794	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.67	88.21	89.00	3787	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.75	88.21	89.00	3781	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.83	88.21	89.00	3774	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	16.92	88.20	89.00	3767	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.00	88.20	89.00	3761	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.08	88.20	89.00	3754	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.17	88.19	89.00	3747	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.25	88.19	89.00	3741	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.33	88.18	89.00	3734	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.42	88.18	89.00	3727	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.50	88.18	89.00	3721	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.58	88.17	89.00	3714	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.67	88.17	89.00	3707	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.75	88.17	89.00	3701	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.83	88.16	89.00	3694	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	17.92	88.16	89.00	3688	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.00	88.16	89.00	3681	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.08	88.15	89.00	3674	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.17	88.15	89.00	3668	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.25	88.15	89.00	3661	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.33	88.14	89.00	3654	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.42	88.14	89.00	3648	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.50	88.14	89.00	3641	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.58	88.13	89.00	3634	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.67	88.13	89.00	3628	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.75	88.13	89.00	3621	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.83	88.12	89.00	3614	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	18.92	88.12	89.00	3608	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.00	88.12	89.00	3601	0.00	0.04	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	19.08	88.11	89.00	3594	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.17	88.11	89.00	3588	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.25	88.10	89.00	3581	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.33	88.10	89.00	3574	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.42	88.10	89.00	3568	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.50	88.09	89.00	3561	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.58	88.09	89.00	3554	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.67	88.09	89.00	3548	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.75	88.08	89.00	3541	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.83	88.08	89.00	3534	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	19.92	88.08	89.00	3528	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.00	88.07	89.00	3521	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.08	88.07	89.00	3514	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.17	88.07	89.00	3508	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.25	88.06	89.00	3501	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.33	88.06	89.00	3495	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.42	88.06	89.00	3488	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.50	88.05	89.00	3481	0.00	0.04	0.0	0.1
WQTV	BASIN-13	BASE	20.58	88.05	89.00	3475	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	20.67	88.05	89.00	3468	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	20.75	88.04	89.00	3461	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	20.83	88.04	89.00	3455	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	20.92	88.04	89.00	3448	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.00	88.03	89.00	3441	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.08	88.03	89.00	3435	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.17	88.02	89.00	3428	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.25	88.02	89.00	3421	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.33	88.02	89.00	3415	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.42	88.01	89.00	3408	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.50	88.01	89.00	3401	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.58	88.01	89.00	3395	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.67	88.00	89.00	3388	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.75	88.00	89.00	3381	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.83	88.00	89.00	3379	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	21.92	87.99	89.00	3378	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.00	87.99	89.00	3376	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.08	87.99	89.00	3375	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.17	87.98	89.00	3373	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.25	87.98	89.00	3372	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.33	87.98	89.00	3370	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.42	87.97	89.00	3369	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.50	87.97	89.00	3367	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.58	87.97	89.00	3366	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.67	87.96	89.00	3364	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.75	87.96	89.00	3363	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.83	87.96	89.00	3361	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	22.92	87.95	89.00	3360	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.00	87.95	89.00	3359	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.08	87.95	89.00	3357	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.17	87.94	89.00	3356	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.25	87.94	89.00	3354	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.33	87.93	89.00	3353	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.42	87.93	89.00	3351	0.00	0.04	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	23.50	87.93	89.00	3350	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.58	87.92	89.00	3348	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.67	87.92	89.00	3347	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.75	87.92	89.00	3345	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.83	87.91	89.00	3344	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	23.92	87.91	89.00	3342	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.00	87.91	89.00	3341	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.08	87.90	89.00	3339	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.17	87.90	89.00	3338	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.25	87.90	89.00	3336	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.33	87.89	89.00	3335	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.42	87.89	89.00	3334	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.50	87.89	89.00	3332	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.58	87.88	89.00	3331	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.67	87.88	89.00	3329	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.75	87.88	89.00	3328	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.83	87.87	89.00	3326	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	24.92	87.87	89.00	3325	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.00	87.87	89.00	3323	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.08	87.86	89.00	3322	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.17	87.86	89.00	3320	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.25	87.85	89.00	3319	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.33	87.85	89.00	3317	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.42	87.85	89.00	3316	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.50	87.84	89.00	3314	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.58	87.84	89.00	3313	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.67	87.84	89.00	3312	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.75	87.83	89.00	3310	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.83	87.83	89.00	3309	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	25.92	87.83	89.00	3307	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.00	87.82	89.00	3306	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.08	87.82	89.00	3304	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.17	87.82	89.00	3303	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.25	87.81	89.00	3301	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.33	87.81	89.00	3300	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.42	87.81	89.00	3298	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.50	87.80	89.00	3297	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.58	87.80	89.00	3295	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.67	87.80	89.00	3294	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.75	87.79	89.00	3292	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.83	87.79	89.00	3291	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	26.92	87.79	89.00	3290	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.00	87.78	89.00	3288	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.08	87.78	89.00	3287	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.17	87.77	89.00	3285	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.25	87.77	89.00	3284	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.33	87.77	89.00	3282	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.42	87.76	89.00	3281	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.50	87.76	89.00	3279	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.58	87.76	89.00	3278	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.67	87.75	89.00	3276	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.75	87.75	89.00	3275	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	27.83	87.75	89.00	3273	0.00	0.04	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	27.92	87.74	89.00	3272	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.00	87.74	89.00	3270	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.08	87.74	89.00	3269	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.17	87.73	89.00	3268	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.25	87.73	89.00	3266	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.33	87.73	89.00	3265	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.42	87.72	89.00	3263	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.50	87.72	89.00	3262	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.58	87.72	89.00	3260	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.67	87.71	89.00	3259	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.75	87.71	89.00	3257	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.83	87.71	89.00	3256	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	28.92	87.70	89.00	3254	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.00	87.70	89.00	3253	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.08	87.70	89.00	3251	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.17	87.69	89.00	3250	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.25	87.69	89.00	3248	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.33	87.68	89.00	3247	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.42	87.68	89.00	3246	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.50	87.68	89.00	3244	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.58	87.67	89.00	3243	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.67	87.67	89.00	3241	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.75	87.67	89.00	3240	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.83	87.66	89.00	3238	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	29.92	87.66	89.00	3237	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.00	87.66	89.00	3235	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.08	87.65	89.00	3234	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.17	87.65	89.00	3232	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.25	87.65	89.00	3231	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.33	87.64	89.00	3229	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.42	87.64	89.00	3228	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.50	87.64	89.00	3226	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.58	87.63	89.00	3225	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.67	87.63	89.00	3224	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.75	87.63	89.00	3222	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.83	87.62	89.00	3221	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	30.92	87.62	89.00	3219	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.00	87.62	89.00	3218	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.08	87.61	89.00	3216	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.17	87.61	89.00	3215	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.25	87.60	89.00	3213	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.33	87.60	89.00	3212	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.42	87.60	89.00	3210	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.50	87.59	89.00	3209	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.58	87.59	89.00	3207	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.67	87.59	89.00	3206	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.75	87.58	89.00	3204	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.83	87.58	89.00	3203	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	31.92	87.58	89.00	3202	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.00	87.57	89.00	3200	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.08	87.57	89.00	3199	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.17	87.57	89.00	3197	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.25	87.56	89.00	3196	0.00	0.04	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	32.33	87.56	89.00	3194	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.42	87.56	89.00	3193	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.50	87.55	89.00	3191	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.58	87.55	89.00	3190	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.67	87.55	89.00	3188	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.75	87.54	89.00	3187	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.83	87.54	89.00	3185	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	32.92	87.54	89.00	3184	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.00	87.53	89.00	3182	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.08	87.53	89.00	3181	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.17	87.52	89.00	3180	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.25	87.52	89.00	3178	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.33	87.52	89.00	3177	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.42	87.51	89.00	3175	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.50	87.51	89.00	3174	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.58	87.51	89.00	3172	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.67	87.50	89.00	3171	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.75	87.50	89.00	3169	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.83	87.50	89.00	3168	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	33.92	87.49	89.00	3166	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.00	87.49	89.00	3165	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.08	87.49	89.00	3163	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.17	87.48	89.00	3162	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.25	87.48	89.00	3160	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.33	87.48	89.00	3159	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.42	87.47	89.00	3158	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.50	87.47	89.00	3156	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.58	87.47	89.00	3155	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.67	87.46	89.00	3153	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.75	87.46	89.00	3152	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.83	87.46	89.00	3150	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	34.92	87.45	89.00	3149	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.00	87.45	89.00	3147	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.08	87.45	89.00	3146	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.17	87.44	89.00	3144	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.25	87.44	89.00	3143	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.33	87.43	89.00	3141	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.42	87.43	89.00	3140	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.50	87.43	89.00	3138	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.58	87.42	89.00	3137	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.67	87.42	89.00	3135	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.75	87.42	89.00	3134	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.83	87.41	89.00	3133	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	35.92	87.41	89.00	3131	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.00	87.41	89.00	3130	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.08	87.40	89.00	3128	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.17	87.40	89.00	3127	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.25	87.40	89.00	3125	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.33	87.39	89.00	3124	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.42	87.39	89.00	3122	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.50	87.39	89.00	3121	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.58	87.38	89.00	3119	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.67	87.38	89.00	3118	0.00	0.04	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	36.75	87.38	89.00	3116	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.83	87.37	89.00	3115	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	36.92	87.37	89.00	3113	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.00	87.37	89.00	3112	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.08	87.36	89.00	3111	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.17	87.36	89.00	3109	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.25	87.35	89.00	3108	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.33	87.35	89.00	3106	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.42	87.35	89.00	3105	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.50	87.34	89.00	3103	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.58	87.34	89.00	3102	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.67	87.34	89.00	3100	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.75	87.33	89.00	3099	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.83	87.33	89.00	3097	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	37.92	87.33	89.00	3096	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.00	87.32	89.00	3094	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.08	87.32	89.00	3093	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.17	87.32	89.00	3091	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.25	87.31	89.00	3090	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.33	87.31	89.00	3089	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.42	87.31	89.00	3087	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.50	87.30	89.00	3086	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.58	87.30	89.00	3084	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.67	87.30	89.00	3083	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.75	87.29	89.00	3081	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.83	87.29	89.00	3080	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	38.92	87.29	89.00	3078	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.00	87.28	89.00	3077	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.08	87.28	89.00	3075	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.17	87.27	89.00	3074	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.25	87.27	89.00	3072	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.33	87.27	89.00	3071	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.42	87.26	89.00	3069	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.50	87.26	89.00	3068	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.58	87.26	89.00	3067	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.67	87.25	89.00	3065	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.75	87.25	89.00	3064	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.83	87.25	89.00	3062	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	39.92	87.24	89.00	3061	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.00	87.24	89.00	3059	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.08	87.24	89.00	3058	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.17	87.23	89.00	3056	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.25	87.23	89.00	3055	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.33	87.23	89.00	3053	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.42	87.22	89.00	3052	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.50	87.22	89.00	3050	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.58	87.22	89.00	3049	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.67	87.21	89.00	3047	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.75	87.21	89.00	3046	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.83	87.21	89.00	3045	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	40.92	87.20	89.00	3043	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.00	87.20	89.00	3042	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.08	87.20	89.00	3040	0.00	0.04	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	41.17	87.19	89.00	3039	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.25	87.19	89.00	3037	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.33	87.18	89.00	3036	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.42	87.18	89.00	3034	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.50	87.18	89.00	3033	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.58	87.17	89.00	3031	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.67	87.17	89.00	3030	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.75	87.17	89.00	3028	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.83	87.16	89.00	3027	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	41.92	87.16	89.00	3025	0.00	0.04	0.0	0.2
WQTV	BASIN-13	BASE	42.00	87.16	89.00	3024	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.08	87.15	89.00	3023	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.17	87.15	89.00	3021	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.25	87.15	89.00	3020	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.33	87.14	89.00	3018	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.42	87.14	89.00	3017	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.50	87.14	89.00	3015	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.58	87.13	89.00	3014	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.67	87.13	89.00	3012	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.75	87.13	89.00	3011	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.83	87.12	89.00	3009	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	42.92	87.12	89.00	3008	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.00	87.12	89.00	3006	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.08	87.11	89.00	3005	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.17	87.11	89.00	3003	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.25	87.10	89.00	3002	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.33	87.10	89.00	3001	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.42	87.10	89.00	2999	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.50	87.09	89.00	2998	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.58	87.09	89.00	2996	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.67	87.09	89.00	2995	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.75	87.08	89.00	2993	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.83	87.08	89.00	2992	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	43.92	87.08	89.00	2990	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.00	87.07	89.00	2989	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.08	87.07	89.00	2987	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.17	87.07	89.00	2986	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.25	87.06	89.00	2984	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.33	87.06	89.00	2983	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.42	87.06	89.00	2981	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.50	87.05	89.00	2980	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.58	87.05	89.00	2979	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.67	87.05	89.00	2977	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.75	87.04	89.00	2976	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.83	87.04	89.00	2974	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	44.92	87.04	89.00	2973	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.00	87.03	89.00	2971	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.08	87.03	89.00	2970	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.17	87.02	89.00	2968	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.25	87.02	89.00	2967	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.33	87.02	89.00	2965	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.42	87.01	89.00	2964	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.50	87.01	89.00	2962	0.00	0.03	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	45.58	87.01	89.00	2961	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.67	87.00	89.00	2959	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.75	87.00	89.00	2958	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.83	87.00	89.00	2957	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	45.92	86.99	89.00	2956	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.00	86.99	89.00	2955	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.08	86.99	89.00	2954	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.17	86.98	89.00	2952	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.25	86.98	89.00	2951	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.33	86.98	89.00	2950	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.42	86.97	89.00	2949	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.50	86.97	89.00	2948	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.58	86.97	89.00	2947	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.67	86.96	89.00	2946	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.75	86.96	89.00	2945	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.83	86.96	89.00	2944	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	46.92	86.95	89.00	2943	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.00	86.95	89.00	2942	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.08	86.95	89.00	2940	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.17	86.94	89.00	2939	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.25	86.94	89.00	2938	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.33	86.93	89.00	2937	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.42	86.93	89.00	2936	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.50	86.93	89.00	2935	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.58	86.92	89.00	2934	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.67	86.92	89.00	2933	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.75	86.92	89.00	2932	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.83	86.91	89.00	2931	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	47.92	86.91	89.00	2930	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.00	86.91	89.00	2929	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.08	86.90	89.00	2927	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.17	86.90	89.00	2926	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.25	86.90	89.00	2925	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.33	86.89	89.00	2924	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.42	86.89	89.00	2923	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.50	86.89	89.00	2922	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.58	86.88	89.00	2921	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.67	86.88	89.00	2920	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.75	86.88	89.00	2919	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.83	86.87	89.00	2918	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	48.92	86.87	89.00	2917	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.00	86.87	89.00	2915	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.08	86.86	89.00	2914	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.17	86.86	89.00	2913	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.25	86.85	89.00	2912	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.33	86.85	89.00	2911	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.42	86.85	89.00	2910	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.50	86.84	89.00	2909	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.58	86.84	89.00	2908	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.67	86.84	89.00	2907	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.75	86.83	89.00	2906	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.83	86.83	89.00	2905	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	49.92	86.83	89.00	2903	0.00	0.03	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	50.00	86.82	89.00	2902	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.08	86.82	89.00	2901	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.17	86.82	89.00	2900	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.25	86.81	89.00	2899	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.33	86.81	89.00	2898	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.42	86.81	89.00	2897	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.50	86.80	89.00	2896	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.58	86.80	89.00	2895	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.67	86.80	89.00	2894	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.75	86.79	89.00	2893	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.83	86.79	89.00	2891	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	50.92	86.79	89.00	2890	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.00	86.78	89.00	2889	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.08	86.78	89.00	2888	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.17	86.77	89.00	2887	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.25	86.77	89.00	2886	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.33	86.77	89.00	2885	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.42	86.76	89.00	2884	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.50	86.76	89.00	2883	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.58	86.76	89.00	2882	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.67	86.75	89.00	2881	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.75	86.75	89.00	2880	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.83	86.75	89.00	2878	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	51.92	86.74	89.00	2877	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.00	86.74	89.00	2876	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.08	86.74	89.00	2875	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.17	86.73	89.00	2874	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.25	86.73	89.00	2873	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.33	86.73	89.00	2872	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.42	86.72	89.00	2871	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.50	86.72	89.00	2870	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.58	86.72	89.00	2869	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.67	86.71	89.00	2868	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.75	86.71	89.00	2866	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.83	86.71	89.00	2865	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	52.92	86.70	89.00	2864	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.00	86.70	89.00	2863	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.08	86.70	89.00	2862	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.17	86.69	89.00	2861	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.25	86.69	89.00	2860	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.33	86.68	89.00	2859	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.42	86.68	89.00	2858	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.50	86.68	89.00	2857	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.58	86.67	89.00	2856	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.67	86.67	89.00	2854	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.75	86.67	89.00	2853	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.83	86.66	89.00	2852	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	53.92	86.66	89.00	2851	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	54.00	86.66	89.00	2850	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	54.08	86.65	89.00	2849	0.00	0.03	0.0	0.2
WQTV	BASIN-13	BASE	54.17	86.65	89.00	2848	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.25	86.65	89.00	2847	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.33	86.64	89.00	2846	0.00	0.03	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	54.42	86.64	89.00	2845	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.50	86.64	89.00	2844	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.58	86.63	89.00	2842	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.67	86.63	89.00	2841	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.75	86.63	89.00	2840	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.83	86.62	89.00	2839	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	54.92	86.62	89.00	2838	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.00	86.62	89.00	2837	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.08	86.61	89.00	2836	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.17	86.61	89.00	2835	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.25	86.60	89.00	2834	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.33	86.60	89.00	2833	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.42	86.60	89.00	2832	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.50	86.59	89.00	2830	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.58	86.59	89.00	2829	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.67	86.59	89.00	2828	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.75	86.58	89.00	2827	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.83	86.58	89.00	2826	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	55.92	86.58	89.00	2825	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.00	86.57	89.00	2824	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.08	86.57	89.00	2823	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.17	86.57	89.00	2822	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.25	86.56	89.00	2821	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.33	86.56	89.00	2820	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.42	86.56	89.00	2819	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.50	86.55	89.00	2817	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.58	86.55	89.00	2816	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.67	86.55	89.00	2815	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.75	86.54	89.00	2814	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.83	86.54	89.00	2813	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	56.92	86.54	89.00	2812	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.00	86.53	89.00	2811	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.08	86.53	89.00	2810	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.17	86.52	89.00	2809	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.25	86.52	89.00	2808	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.33	86.52	89.00	2807	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.42	86.51	89.00	2805	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.50	86.51	89.00	2804	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.58	86.51	89.00	2803	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.67	86.50	89.00	2802	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.75	86.50	89.00	2801	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.83	86.50	89.00	2800	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	57.92	86.49	89.00	2799	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.00	86.49	89.00	2798	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.08	86.49	89.00	2797	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.17	86.48	89.00	2796	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.25	86.48	89.00	2795	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.33	86.48	89.00	2793	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.42	86.47	89.00	2792	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.50	86.47	89.00	2791	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.58	86.47	89.00	2790	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.67	86.46	89.00	2789	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.75	86.46	89.00	2788	0.00	0.03	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	58.83	86.46	89.00	2787	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	58.92	86.45	89.00	2786	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.00	86.45	89.00	2785	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.08	86.45	89.00	2784	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.17	86.44	89.00	2783	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.25	86.44	89.00	2781	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.33	86.43	89.00	2780	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.42	86.43	89.00	2779	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.50	86.43	89.00	2778	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.58	86.42	89.00	2777	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.67	86.42	89.00	2776	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.75	86.42	89.00	2775	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.83	86.41	89.00	2774	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	59.92	86.41	89.00	2773	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.00	86.41	89.00	2772	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.08	86.40	89.00	2771	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.17	86.40	89.00	2770	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.25	86.40	89.00	2768	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.33	86.39	89.00	2767	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.42	86.39	89.00	2766	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.50	86.39	89.00	2765	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.58	86.38	89.00	2764	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.67	86.38	89.00	2763	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.75	86.38	89.00	2762	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.83	86.37	89.00	2761	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	60.92	86.37	89.00	2760	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.00	86.37	89.00	2759	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.08	86.36	89.00	2758	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.17	86.36	89.00	2756	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.25	86.35	89.00	2755	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.33	86.35	89.00	2754	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.42	86.35	89.00	2753	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.50	86.34	89.00	2752	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.58	86.34	89.00	2751	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.67	86.34	89.00	2750	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.75	86.33	89.00	2749	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.83	86.33	89.00	2748	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	61.92	86.33	89.00	2747	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.00	86.32	89.00	2746	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.08	86.32	89.00	2744	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.17	86.32	89.00	2743	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.25	86.31	89.00	2742	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.33	86.31	89.00	2741	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.42	86.31	89.00	2740	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.50	86.30	89.00	2739	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.58	86.30	89.00	2738	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.67	86.30	89.00	2737	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.75	86.29	89.00	2736	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.83	86.29	89.00	2735	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	62.92	86.29	89.00	2734	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.00	86.28	89.00	2732	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.08	86.28	89.00	2731	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.17	86.27	89.00	2730	0.00	0.03	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	63.25	86.27	89.00	2729	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.33	86.27	89.00	2728	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.42	86.26	89.00	2727	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.50	86.26	89.00	2726	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.58	86.26	89.00	2725	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.67	86.25	89.00	2724	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.75	86.25	89.00	2723	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.83	86.25	89.00	2722	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	63.92	86.24	89.00	2721	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.00	86.24	89.00	2719	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.08	86.24	89.00	2718	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.17	86.23	89.00	2717	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.25	86.23	89.00	2716	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.33	86.23	89.00	2715	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.42	86.22	89.00	2714	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.50	86.22	89.00	2713	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.58	86.22	89.00	2712	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.67	86.21	89.00	2711	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.75	86.21	89.00	2710	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.83	86.21	89.00	2709	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	64.92	86.20	89.00	2707	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.00	86.20	89.00	2706	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.08	86.20	89.00	2705	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.17	86.19	89.00	2704	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.25	86.19	89.00	2703	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.33	86.18	89.00	2702	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.42	86.18	89.00	2701	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.50	86.18	89.00	2700	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.58	86.17	89.00	2699	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.67	86.17	89.00	2698	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.75	86.17	89.00	2697	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.83	86.16	89.00	2695	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	65.92	86.16	89.00	2694	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.00	86.16	89.00	2693	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.08	86.15	89.00	2692	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.17	86.15	89.00	2691	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.25	86.15	89.00	2690	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.33	86.14	89.00	2689	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.42	86.14	89.00	2688	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.50	86.14	89.00	2687	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.58	86.13	89.00	2686	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.67	86.13	89.00	2685	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.75	86.13	89.00	2683	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.83	86.12	89.00	2682	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	66.92	86.12	89.00	2681	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.00	86.12	89.00	2680	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.08	86.11	89.00	2679	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.17	86.11	89.00	2678	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.25	86.10	89.00	2677	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.33	86.10	89.00	2676	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.42	86.10	89.00	2675	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.50	86.09	89.00	2674	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.58	86.09	89.00	2673	0.00	0.03	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	67.67	86.09	89.00	2672	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.75	86.08	89.00	2670	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.83	86.08	89.00	2669	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	67.92	86.08	89.00	2668	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.00	86.07	89.00	2667	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.08	86.07	89.00	2666	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.17	86.07	89.00	2665	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.25	86.06	89.00	2664	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.33	86.06	89.00	2663	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.42	86.06	89.00	2662	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.50	86.05	89.00	2661	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.58	86.05	89.00	2660	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.67	86.05	89.00	2658	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.75	86.04	89.00	2657	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.83	86.04	89.00	2656	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	68.92	86.04	89.00	2655	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.00	86.03	89.00	2654	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.08	86.03	89.00	2653	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.17	86.02	89.00	2652	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.25	86.02	89.00	2651	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.33	86.02	89.00	2650	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.42	86.01	89.00	2649	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.50	86.01	89.00	2648	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.58	86.01	89.00	2646	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.67	86.00	89.00	2645	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.75	86.00	89.00	2644	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.83	86.00	89.00	2643	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	69.92	85.99	89.00	2642	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.00	85.99	89.00	2641	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.08	85.99	89.00	2640	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.17	85.98	89.00	2639	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.25	85.98	89.00	2638	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.33	85.98	89.00	2637	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.42	85.97	89.00	2636	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.50	85.97	89.00	2635	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.58	85.97	89.00	2634	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.67	85.96	89.00	2633	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.75	85.96	89.00	2632	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.83	85.96	89.00	2631	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	70.92	85.95	89.00	2630	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.00	85.95	89.00	2629	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.08	85.95	89.00	2628	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.17	85.94	89.00	2627	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.25	85.94	89.00	2626	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.33	85.93	89.00	2625	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.42	85.93	89.00	2624	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.50	85.93	89.00	2623	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.58	85.92	89.00	2622	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.67	85.92	89.00	2621	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.75	85.92	89.00	2620	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.83	85.91	89.00	2619	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	71.92	85.91	89.00	2618	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.00	85.91	89.00	2616	0.00	0.03	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-13	BASE	72.08	85.90	89.00	2615	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.17	85.90	89.00	2614	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.25	85.90	89.00	2613	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.33	85.89	89.00	2612	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.42	85.89	89.00	2611	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.50	85.89	89.00	2610	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.58	85.88	89.00	2609	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.67	85.88	89.00	2608	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.75	85.88	89.00	2607	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.83	85.87	89.00	2606	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	72.92	85.87	89.00	2605	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.00	85.87	89.00	2604	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.08	85.86	89.00	2603	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.17	85.86	89.00	2602	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.25	85.85	89.00	2601	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.33	85.85	89.00	2600	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.42	85.85	89.00	2599	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.50	85.84	89.00	2598	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.58	85.84	89.00	2597	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.67	85.84	89.00	2596	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.75	85.83	89.00	2595	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.83	85.83	89.00	2594	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	73.92	85.83	89.00	2593	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.00	85.82	89.00	2592	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.08	85.82	89.00	2591	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.17	85.82	89.00	2590	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.25	85.81	89.00	2589	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.33	85.81	89.00	2588	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.42	85.81	89.00	2587	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.50	85.80	89.00	2586	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.58	85.80	89.00	2585	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.67	85.80	89.00	2584	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.75	85.79	89.00	2583	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.83	85.79	89.00	2582	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	74.92	85.79	89.00	2581	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.00	85.78	89.00	2579	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.08	85.78	89.00	2578	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.17	85.77	89.00	2577	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.25	85.77	89.00	2576	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.33	85.77	89.00	2575	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.42	85.76	89.00	2574	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.50	85.76	89.00	2573	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.58	85.76	89.00	2572	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.67	85.75	89.00	2571	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.75	85.75	89.00	2570	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.83	85.75	89.00	2569	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	75.92	85.74	89.00	2568	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	76.00	85.74	89.00	2567	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	76.08	85.74	89.00	2566	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	76.17	85.73	89.00	2565	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	76.25	85.73	89.00	2564	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	76.33	85.73	89.00	2563	0.00	0.03	0.0	0.3
WQTV	BASIN-13	BASE	76.42	85.72	89.00	2562	0.00	0.03	0.0	0.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-13	BASE	76.50	85.72	89.00	2561	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	76.58	85.72	89.00	2560	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	76.67	85.71	89.00	2559	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	76.75	85.71	89.00	2558	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	76.83	85.71	89.00	2557	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	76.92	85.70	89.00	2556	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.00	85.70	89.00	2555	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.08	85.70	89.00	2554	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.17	85.69	89.00	2553	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.25	85.69	89.00	2552	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.33	85.68	89.00	2551	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.42	85.68	89.00	2550	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.50	85.68	89.00	2549	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.58	85.67	89.00	2548	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.67	85.67	89.00	2547	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.75	85.67	89.00	2546	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.83	85.66	89.00	2545	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	77.92	85.66	89.00	2543	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.00	85.66	89.00	2542	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.08	85.65	89.00	2541	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.17	85.65	89.00	2540	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.25	85.65	89.00	2539	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.33	85.64	89.00	2538	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.42	85.64	89.00	2537	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.50	85.64	89.00	2536	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.58	85.63	89.00	2535	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.67	85.63	89.00	2534	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.75	85.63	89.00	2533	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.83	85.62	89.00	2532	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	78.92	85.62	89.00	2531	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.00	85.62	89.00	2530	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.08	85.61	89.00	2529	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.17	85.61	89.00	2528	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.25	85.60	89.00	2527	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.33	85.60	89.00	2526	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.42	85.60	89.00	2525	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.50	85.59	89.00	2524	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.58	85.59	89.00	2523	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.67	85.59	89.00	2522	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.75	85.58	89.00	2521	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.83	85.58	89.00	2520	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	79.92	85.58	89.00	2519	0.00	0.03	0.0	0.3	
WQTV	BASIN-13	BASE	80.00	85.57	89.00	2518	0.00	0.03	0.0	0.3	BASIN-13 WQTV
WQTV	BASIN-14	BASE	0.00	78.32	84.00	9339	0.00	0.00	0.0	0.0	
WQTV	BASIN-14	BASE	0.08	78.32	84.00	9325	0.00	0.11	0.0	0.0	
WQTV	BASIN-14	BASE	0.17	78.31	84.00	9310	0.00	0.11	0.0	0.0	
WQTV	BASIN-14	BASE	0.25	78.31	84.00	9296	0.00	0.11	0.0	0.0	
WQTV	BASIN-14	BASE	0.33	78.31	84.00	9282	0.00	0.11	0.0	0.0	
WQTV	BASIN-14	BASE	0.42	78.30	84.00	9268	0.00	0.11	0.0	0.0	
WQTV	BASIN-14	BASE	0.50	78.30	84.00	9254	0.00	0.11	0.0	0.0	
WQTV	BASIN-14	BASE	0.58	78.30	84.00	9240	0.00	0.11	0.0	0.0	

Alachua Solar Post-Development WQTV Recovery

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	0.00	77.77	84.00	7273	0.00	0.00	0.0	0.0
WQTV	BASIN-14	BASE	0.08	77.77	84.00	7262	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.17	77.76	84.00	7250	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.25	77.76	84.00	7239	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.33	77.76	84.00	7227	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.42	77.75	84.00	7216	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.50	77.75	84.00	7204	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.58	77.75	84.00	7193	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.67	77.74	84.00	7181	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.75	77.74	84.00	7170	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.83	77.74	84.00	7158	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	0.92	77.73	84.00	7146	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.00	77.73	84.00	7135	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.09	77.72	84.00	7123	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.17	77.72	84.00	7112	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.25	77.72	84.00	7100	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.33	77.71	84.00	7089	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.42	77.71	84.00	7077	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.50	77.71	84.00	7066	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.59	77.70	84.00	7054	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.67	77.70	84.00	7043	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.75	77.70	84.00	7031	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.83	77.69	84.00	7020	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	1.92	77.69	84.00	7008	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.00	77.69	84.00	6997	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.09	77.68	84.00	6985	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.17	77.68	84.00	6974	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.25	77.68	84.00	6962	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.34	77.67	84.00	6950	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.42	77.67	84.00	6939	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.50	77.67	84.00	6927	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.59	77.66	84.00	6916	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.67	77.66	84.00	6905	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.75	77.66	84.00	6893	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.84	77.65	84.00	6881	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	2.92	77.65	84.00	6870	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.00	77.64	84.00	6858	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.09	77.64	84.00	6846	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.17	77.64	84.00	6835	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.25	77.63	84.00	6824	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.34	77.63	84.00	6812	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.42	77.63	84.00	6800	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.50	77.62	84.00	6789	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.58	77.62	84.00	6778	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.67	77.62	84.00	6766	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.75	77.61	84.00	6754	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.83	77.61	84.00	6743	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	3.92	77.61	84.00	6731	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.01	77.60	84.00	6719	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.09	77.60	84.00	6708	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.17	77.60	84.00	6696	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.25	77.59	84.00	6686	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.34	77.59	84.00	6674	0.00	0.08	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	4.42	77.59	84.00	6662	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.50	77.58	84.00	6651	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.59	77.58	84.00	6639	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.67	77.58	84.00	6628	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.75	77.57	84.00	6616	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.84	77.57	84.00	6604	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	4.92	77.57	84.00	6593	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.01	77.56	84.00	6581	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.09	77.56	84.00	6570	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.17	77.55	84.00	6558	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.25	77.55	84.00	6547	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.34	77.55	84.00	6535	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.42	77.54	84.00	6524	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.50	77.54	84.00	6512	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.58	77.54	84.00	6501	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.67	77.53	84.00	6490	0.00	0.08	0.0	0.0
WQTV	BASIN-14	BASE	5.75	77.53	84.00	6478	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	5.84	77.53	84.00	6466	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	5.92	77.52	84.00	6454	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.01	77.52	84.00	6443	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.09	77.52	84.00	6431	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.17	77.51	84.00	6420	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.25	77.51	84.00	6408	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.34	77.51	84.00	6397	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.42	77.50	84.00	6385	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.50	77.50	84.00	6374	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.59	77.50	84.00	6363	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.67	77.49	84.00	6351	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.75	77.49	84.00	6340	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.83	77.49	84.00	6328	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	6.92	77.48	84.00	6317	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.00	77.48	84.00	6305	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.08	77.47	84.00	6294	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.17	77.47	84.00	6282	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.25	77.47	84.00	6271	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.33	77.46	84.00	6259	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.42	77.46	84.00	6248	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.50	77.46	84.00	6236	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.58	77.45	84.00	6225	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.67	77.45	84.00	6213	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.75	77.45	84.00	6201	0.00	0.07	0.0	0.0
WQTV	BASIN-14	BASE	7.83	77.44	84.00	6190	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	7.92	77.44	84.00	6178	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.00	77.44	84.00	6167	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.08	77.43	84.00	6155	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.17	77.43	84.00	6144	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.25	77.43	84.00	6132	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.33	77.42	84.00	6121	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.42	77.42	84.00	6109	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.50	77.42	84.00	6098	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.58	77.41	84.00	6086	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.67	77.41	84.00	6075	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.75	77.41	84.00	6063	0.00	0.07	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	8.83	77.40	84.00	6052	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	8.92	77.40	84.00	6040	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.00	77.39	84.00	6029	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.08	77.39	84.00	6017	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.17	77.39	84.00	6006	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.25	77.38	84.00	5994	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.33	77.38	84.00	5982	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.42	77.38	84.00	5971	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.50	77.37	84.00	5959	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.58	77.37	84.00	5948	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.67	77.37	84.00	5936	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.75	77.36	84.00	5925	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.83	77.36	84.00	5913	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	9.92	77.36	84.00	5902	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.00	77.35	84.00	5890	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.08	77.35	84.00	5879	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.17	77.35	84.00	5867	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.25	77.34	84.00	5856	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.33	77.34	84.00	5844	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.42	77.34	84.00	5833	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.50	77.33	84.00	5821	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.58	77.33	84.00	5810	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.67	77.33	84.00	5798	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.75	77.32	84.00	5787	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.83	77.32	84.00	5775	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	10.92	77.32	84.00	5763	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.00	77.31	84.00	5752	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.08	77.31	84.00	5740	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.17	77.30	84.00	5729	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.25	77.30	84.00	5717	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.33	77.30	84.00	5706	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.42	77.29	84.00	5694	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.50	77.29	84.00	5683	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.58	77.29	84.00	5671	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.67	77.28	84.00	5660	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.75	77.28	84.00	5648	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.83	77.28	84.00	5637	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	11.92	77.27	84.00	5625	0.00	0.07	0.0	0.1
WQTV	BASIN-14	BASE	12.00	77.27	84.00	5614	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.08	77.27	84.00	5602	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.17	77.26	84.00	5591	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.25	77.26	84.00	5579	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.33	77.26	84.00	5568	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.42	77.25	84.00	5556	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.50	77.25	84.00	5545	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.58	77.25	84.00	5533	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.67	77.24	84.00	5521	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.75	77.24	84.00	5510	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.83	77.24	84.00	5498	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	12.92	77.23	84.00	5487	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.00	77.23	84.00	5475	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.08	77.22	84.00	5464	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.17	77.22	84.00	5452	0.00	0.06	0.0	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-14	BASE	13.25	77.22	84.00	5441	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.33	77.21	84.00	5429	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.42	77.21	84.00	5418	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.50	77.21	84.00	5406	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.58	77.20	84.00	5395	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.67	77.20	84.00	5383	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.75	77.20	84.00	5372	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.83	77.19	84.00	5360	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	13.92	77.19	84.00	5349	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.00	77.19	84.00	5337	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.08	77.18	84.00	5326	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.17	77.18	84.00	5314	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.25	77.18	84.00	5302	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.33	77.17	84.00	5291	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.42	77.17	84.00	5279	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.50	77.17	84.00	5268	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.58	77.16	84.00	5256	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.67	77.16	84.00	5245	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.75	77.16	84.00	5233	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.83	77.15	84.00	5222	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	14.92	77.15	84.00	5210	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.00	77.14	84.00	5199	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.08	77.14	84.00	5187	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.17	77.14	84.00	5176	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.25	77.13	84.00	5164	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.33	77.13	84.00	5153	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.42	77.13	84.00	5141	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.50	77.12	84.00	5130	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.58	77.12	84.00	5118	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.67	77.12	84.00	5107	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.75	77.11	84.00	5095	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.83	77.11	84.00	5084	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	15.92	77.11	84.00	5072	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.00	77.10	84.00	5060	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.08	77.10	84.00	5049	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.17	77.10	84.00	5037	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.25	77.09	84.00	5026	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.33	77.09	84.00	5014	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.42	77.09	84.00	5003	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.50	77.08	84.00	4991	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.58	77.08	84.00	4980	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.67	77.08	84.00	4968	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.75	77.07	84.00	4957	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.83	77.07	84.00	4945	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	16.92	77.07	84.00	4934	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.00	77.06	84.00	4922	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.08	77.06	84.00	4911	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.17	77.05	84.00	4899	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.25	77.05	84.00	4888	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.33	77.05	84.00	4876	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.42	77.04	84.00	4865	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.50	77.04	84.00	4853	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.58	77.04	84.00	4841	0.00	0.06	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	17.67	77.03	84.00	4830	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.75	77.03	84.00	4818	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.83	77.03	84.00	4807	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	17.92	77.02	84.00	4795	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	18.00	77.02	84.00	4784	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	18.08	77.02	84.00	4772	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	18.17	77.01	84.00	4761	0.00	0.06	0.0	0.1
WQTV	BASIN-14	BASE	18.25	77.01	84.00	4749	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.33	77.01	84.00	4738	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.42	77.00	84.00	4726	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.50	77.00	84.00	4715	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.58	77.00	84.00	4704	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.67	76.99	84.00	4694	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.75	76.99	84.00	4683	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.83	76.99	84.00	4672	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	18.92	76.98	84.00	4661	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.00	76.98	84.00	4651	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.08	76.97	84.00	4640	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.17	76.97	84.00	4629	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.25	76.97	84.00	4619	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.33	76.96	84.00	4608	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.42	76.96	84.00	4597	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.50	76.96	84.00	4587	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.58	76.95	84.00	4576	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.67	76.95	84.00	4565	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.75	76.95	84.00	4555	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.83	76.94	84.00	4544	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	19.92	76.94	84.00	4533	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.00	76.94	84.00	4522	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.08	76.93	84.00	4512	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.17	76.93	84.00	4501	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.25	76.93	84.00	4490	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.33	76.92	84.00	4480	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.42	76.92	84.00	4469	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.50	76.92	84.00	4458	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.58	76.91	84.00	4448	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.67	76.91	84.00	4437	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.75	76.91	84.00	4426	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.83	76.90	84.00	4415	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	20.92	76.90	84.00	4405	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.00	76.89	84.00	4394	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.08	76.89	84.00	4383	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.17	76.89	84.00	4373	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.25	76.88	84.00	4362	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.33	76.88	84.00	4351	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.42	76.88	84.00	4341	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.50	76.87	84.00	4330	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.58	76.87	84.00	4319	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.67	76.87	84.00	4309	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.75	76.86	84.00	4298	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.83	76.86	84.00	4287	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	21.92	76.86	84.00	4276	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.00	76.85	84.00	4266	0.00	0.05	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	22.08	76.85	84.00	4255	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.17	76.85	84.00	4244	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.25	76.84	84.00	4234	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.33	76.84	84.00	4223	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.42	76.84	84.00	4212	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.50	76.83	84.00	4202	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.58	76.83	84.00	4191	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.67	76.83	84.00	4180	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.75	76.82	84.00	4170	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.83	76.82	84.00	4159	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	22.92	76.82	84.00	4148	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.00	76.81	84.00	4137	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.08	76.81	84.00	4127	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.17	76.80	84.00	4116	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.25	76.80	84.00	4105	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.33	76.80	84.00	4095	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.42	76.79	84.00	4084	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.50	76.79	84.00	4073	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.58	76.79	84.00	4063	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.67	76.78	84.00	4052	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.75	76.78	84.00	4041	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.83	76.78	84.00	4031	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	23.92	76.77	84.00	4020	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.00	76.77	84.00	4009	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.08	76.77	84.00	3998	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.17	76.76	84.00	3988	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.25	76.76	84.00	3977	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.33	76.76	84.00	3966	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.42	76.75	84.00	3956	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.50	76.75	84.00	3945	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.58	76.75	84.00	3934	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.67	76.74	84.00	3924	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.75	76.74	84.00	3913	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.83	76.74	84.00	3902	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	24.92	76.73	84.00	3892	0.00	0.05	0.0	0.1
WQTV	BASIN-14	BASE	25.00	76.73	84.00	3881	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.08	76.72	84.00	3870	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.17	76.72	84.00	3859	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.25	76.72	84.00	3849	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.33	76.71	84.00	3838	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.42	76.71	84.00	3827	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.50	76.71	84.00	3817	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.58	76.70	84.00	3806	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.67	76.70	84.00	3795	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.75	76.70	84.00	3785	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.83	76.69	84.00	3774	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	25.92	76.69	84.00	3763	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.00	76.69	84.00	3753	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.08	76.68	84.00	3742	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.17	76.68	84.00	3731	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.25	76.68	84.00	3720	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.33	76.67	84.00	3710	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.42	76.67	84.00	3699	0.00	0.04	0.0	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	26.50	76.67	84.00	3688	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.58	76.66	84.00	3678	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.67	76.66	84.00	3667	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.75	76.66	84.00	3656	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.83	76.65	84.00	3646	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	26.92	76.65	84.00	3635	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.00	76.64	84.00	3624	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.08	76.64	84.00	3613	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.17	76.64	84.00	3603	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.25	76.63	84.00	3592	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.33	76.63	84.00	3581	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.42	76.63	84.00	3571	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.50	76.62	84.00	3560	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.58	76.62	84.00	3549	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.67	76.62	84.00	3539	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.75	76.61	84.00	3528	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.83	76.61	84.00	3517	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	27.92	76.61	84.00	3507	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.00	76.60	84.00	3496	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.08	76.60	84.00	3485	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.17	76.60	84.00	3474	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.25	76.59	84.00	3464	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.33	76.59	84.00	3453	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.42	76.59	84.00	3442	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.50	76.58	84.00	3432	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.58	76.58	84.00	3421	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.67	76.58	84.00	3410	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.75	76.57	84.00	3400	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.83	76.57	84.00	3389	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	28.92	76.57	84.00	3378	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.00	76.56	84.00	3368	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.08	76.56	84.00	3357	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.17	76.55	84.00	3346	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.25	76.55	84.00	3335	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.33	76.55	84.00	3325	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.42	76.54	84.00	3314	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.50	76.54	84.00	3303	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.58	76.54	84.00	3293	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.67	76.53	84.00	3282	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.75	76.53	84.00	3271	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.83	76.53	84.00	3261	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	29.92	76.52	84.00	3250	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	30.00	76.52	84.00	3239	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	30.08	76.52	84.00	3229	0.00	0.04	0.0	0.1
WQTV	BASIN-14	BASE	30.17	76.51	84.00	3218	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.25	76.51	84.00	3207	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.33	76.51	84.00	3196	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.42	76.50	84.00	3186	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.50	76.50	84.00	3175	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.58	76.50	84.00	3164	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.67	76.49	84.00	3154	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.75	76.49	84.00	3143	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	30.83	76.49	84.00	3132	0.00	0.04	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	30.92	76.48	84.00	3122	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.00	76.48	84.00	3111	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.08	76.47	84.00	3100	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.17	76.47	84.00	3090	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.25	76.47	84.00	3079	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.33	76.46	84.00	3068	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.42	76.46	84.00	3057	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.50	76.46	84.00	3047	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.58	76.45	84.00	3036	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.67	76.45	84.00	3025	0.00	0.04	0.0	0.2
WQTV	BASIN-14	BASE	31.75	76.45	84.00	3015	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	31.83	76.44	84.00	3004	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	31.92	76.44	84.00	2993	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.00	76.44	84.00	2983	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.08	76.43	84.00	2972	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.17	76.43	84.00	2961	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.25	76.43	84.00	2950	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.33	76.42	84.00	2940	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.42	76.42	84.00	2929	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.50	76.42	84.00	2918	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.58	76.41	84.00	2908	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.67	76.41	84.00	2897	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.75	76.41	84.00	2886	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.83	76.40	84.00	2876	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	32.92	76.40	84.00	2865	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.00	76.39	84.00	2854	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.08	76.39	84.00	2844	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.17	76.39	84.00	2833	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.25	76.38	84.00	2822	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.33	76.38	84.00	2811	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.42	76.38	84.00	2801	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.50	76.37	84.00	2790	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.58	76.37	84.00	2779	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.67	76.37	84.00	2769	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.75	76.36	84.00	2758	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.83	76.36	84.00	2747	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	33.92	76.36	84.00	2737	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.00	76.35	84.00	2726	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.08	76.35	84.00	2715	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.17	76.35	84.00	2705	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.25	76.34	84.00	2694	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.33	76.34	84.00	2683	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.42	76.34	84.00	2672	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.50	76.33	84.00	2662	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.58	76.33	84.00	2651	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.67	76.33	84.00	2640	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.75	76.32	84.00	2630	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.83	76.32	84.00	2619	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	34.92	76.32	84.00	2608	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.00	76.31	84.00	2598	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.08	76.31	84.00	2587	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.17	76.30	84.00	2576	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.25	76.30	84.00	2566	0.00	0.03	0.0	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-14	BASE	35.33	76.30	84.00	2555	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.42	76.29	84.00	2544	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.50	76.29	84.00	2533	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.58	76.29	84.00	2523	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.67	76.28	84.00	2512	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.75	76.28	84.00	2501	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.83	76.28	84.00	2491	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	35.92	76.27	84.00	2480	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.00	76.27	84.00	2469	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.08	76.27	84.00	2459	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.17	76.26	84.00	2448	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.25	76.26	84.00	2437	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.33	76.26	84.00	2427	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.42	76.25	84.00	2416	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.50	76.25	84.00	2405	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.58	76.25	84.00	2394	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.67	76.24	84.00	2384	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.75	76.24	84.00	2373	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.83	76.24	84.00	2362	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	36.92	76.23	84.00	2352	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.00	76.23	84.00	2341	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.08	76.22	84.00	2330	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.17	76.22	84.00	2320	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.25	76.22	84.00	2309	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.33	76.21	84.00	2298	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.42	76.21	84.00	2288	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.50	76.21	84.00	2277	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.58	76.20	84.00	2266	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.67	76.20	84.00	2255	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.75	76.20	84.00	2245	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.83	76.19	84.00	2234	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	37.92	76.19	84.00	2223	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	38.00	76.19	84.00	2213	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	38.08	76.18	84.00	2202	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	38.17	76.18	84.00	2191	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	38.25	76.18	84.00	2181	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	38.33	76.17	84.00	2170	0.00	0.03	0.0	0.2
WQTV	BASIN-14	BASE	38.42	76.17	84.00	2159	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	38.50	76.17	84.00	2148	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	38.58	76.16	84.00	2138	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	38.67	76.16	84.00	2127	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	38.75	76.16	84.00	2116	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	38.83	76.15	84.00	2106	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	38.92	76.15	84.00	2095	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.00	76.14	84.00	2084	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.08	76.14	84.00	2074	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.17	76.14	84.00	2063	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.25	76.13	84.00	2052	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.33	76.13	84.00	2042	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.42	76.13	84.00	2031	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.50	76.12	84.00	2020	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.58	76.12	84.00	2009	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.67	76.12	84.00	1999	0.00	0.02	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	39.75	76.11	84.00	1988	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.83	76.11	84.00	1977	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	39.92	76.11	84.00	1967	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.00	76.10	84.00	1956	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.08	76.10	84.00	1945	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.17	76.10	84.00	1935	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.25	76.09	84.00	1924	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.33	76.09	84.00	1913	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.42	76.09	84.00	1903	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.50	76.08	84.00	1892	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.58	76.08	84.00	1881	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.67	76.08	84.00	1870	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.75	76.07	84.00	1860	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.83	76.07	84.00	1849	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	40.92	76.07	84.00	1838	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.00	76.06	84.00	1828	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.08	76.06	84.00	1817	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.17	76.05	84.00	1806	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.25	76.05	84.00	1796	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.33	76.05	84.00	1785	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.42	76.04	84.00	1774	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.50	76.04	84.00	1764	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.58	76.04	84.00	1753	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.67	76.03	84.00	1742	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.75	76.03	84.00	1731	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.83	76.03	84.00	1721	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	41.92	76.02	84.00	1710	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.00	76.02	84.00	1699	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.08	76.02	84.00	1689	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.17	76.01	84.00	1678	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.25	76.01	84.00	1667	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.33	76.01	84.00	1657	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.42	76.00	84.00	1646	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.50	76.00	84.00	1637	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.58	76.00	84.00	1631	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.67	75.99	84.00	1626	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.75	75.99	84.00	1621	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.83	75.99	84.00	1615	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	42.92	75.98	84.00	1610	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.00	75.98	84.00	1605	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.08	75.97	84.00	1599	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.17	75.97	84.00	1594	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.25	75.97	84.00	1589	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.33	75.96	84.00	1583	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.42	75.96	84.00	1578	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.50	75.96	84.00	1573	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.58	75.95	84.00	1568	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.67	75.95	84.00	1562	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.75	75.95	84.00	1557	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.83	75.94	84.00	1552	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	43.92	75.94	84.00	1546	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.00	75.94	84.00	1541	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.08	75.93	84.00	1536	0.00	0.02	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	44.17	75.93	84.00	1530	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.25	75.93	84.00	1525	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.33	75.92	84.00	1520	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.42	75.92	84.00	1514	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.50	75.92	84.00	1509	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.58	75.91	84.00	1504	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.67	75.91	84.00	1499	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.75	75.91	84.00	1493	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.83	75.90	84.00	1488	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	44.92	75.90	84.00	1483	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.00	75.89	84.00	1477	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.08	75.89	84.00	1472	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.17	75.89	84.00	1467	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.25	75.88	84.00	1461	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.33	75.88	84.00	1456	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.42	75.88	84.00	1451	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.50	75.87	84.00	1445	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.58	75.87	84.00	1440	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.67	75.87	84.00	1435	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.75	75.86	84.00	1429	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.83	75.86	84.00	1424	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	45.92	75.86	84.00	1419	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.00	75.85	84.00	1414	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.08	75.85	84.00	1408	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.17	75.85	84.00	1403	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.25	75.84	84.00	1398	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.33	75.84	84.00	1392	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.42	75.84	84.00	1387	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.50	75.83	84.00	1382	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.58	75.83	84.00	1376	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.67	75.83	84.00	1371	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.75	75.82	84.00	1366	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.83	75.82	84.00	1360	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	46.92	75.82	84.00	1355	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.00	75.81	84.00	1350	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.08	75.81	84.00	1345	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.17	75.80	84.00	1339	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.25	75.80	84.00	1334	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.33	75.80	84.00	1329	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.42	75.79	84.00	1323	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.50	75.79	84.00	1318	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.58	75.79	84.00	1313	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.67	75.78	84.00	1307	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.75	75.78	84.00	1302	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.83	75.78	84.00	1297	0.00	0.02	0.0	0.2
WQTV	BASIN-14	BASE	47.92	75.77	84.00	1291	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.00	75.77	84.00	1286	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.08	75.77	84.00	1281	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.17	75.76	84.00	1276	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.25	75.76	84.00	1270	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.33	75.76	84.00	1265	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.42	75.75	84.00	1260	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.50	75.75	84.00	1254	0.00	0.01	0.0	0.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-14	BASE	48.58	75.75	84.00	1249	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.67	75.74	84.00	1244	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.75	75.74	84.00	1238	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.83	75.74	84.00	1233	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	48.92	75.73	84.00	1228	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.00	75.73	84.00	1222	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.08	75.72	84.00	1217	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.17	75.72	84.00	1212	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.25	75.72	84.00	1207	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.33	75.71	84.00	1201	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.42	75.71	84.00	1196	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.50	75.71	84.00	1191	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.58	75.70	84.00	1185	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.67	75.70	84.00	1180	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.75	75.70	84.00	1175	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.83	75.69	84.00	1169	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	49.92	75.69	84.00	1164	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.00	75.69	84.00	1159	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.08	75.68	84.00	1153	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.17	75.68	84.00	1148	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.25	75.68	84.00	1143	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.33	75.67	84.00	1138	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.42	75.67	84.00	1132	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.50	75.67	84.00	1127	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.58	75.66	84.00	1122	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.67	75.66	84.00	1116	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.75	75.66	84.00	1111	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.83	75.65	84.00	1106	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	50.92	75.65	84.00	1100	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.00	75.64	84.00	1095	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.08	75.64	84.00	1090	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.17	75.64	84.00	1084	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.25	75.63	84.00	1079	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.33	75.63	84.00	1074	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.42	75.63	84.00	1068	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.50	75.62	84.00	1063	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.58	75.62	84.00	1058	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.67	75.62	84.00	1053	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.75	75.61	84.00	1047	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.83	75.61	84.00	1042	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	51.92	75.61	84.00	1037	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.00	75.60	84.00	1031	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.08	75.60	84.00	1026	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.17	75.60	84.00	1021	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.25	75.59	84.00	1015	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.33	75.59	84.00	1010	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.42	75.59	84.00	1005	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.50	75.58	84.00	999	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.58	75.58	84.00	994	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.67	75.58	84.00	989	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.75	75.57	84.00	984	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.83	75.57	84.00	978	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	52.92	75.57	84.00	973	0.00	0.01	0.0	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-14	BASE	53.00	75.56	84.00	968	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.08	75.56	84.00	962	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.17	75.55	84.00	957	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.25	75.55	84.00	952	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.33	75.55	84.00	946	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.42	75.54	84.00	941	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.50	75.54	84.00	936	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.58	75.54	84.00	930	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.67	75.53	84.00	925	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.75	75.53	84.00	920	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.83	75.53	84.00	915	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	53.92	75.52	84.00	909	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.00	75.52	84.00	904	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.08	75.52	84.00	899	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.17	75.51	84.00	893	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.25	75.51	84.00	888	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.33	75.51	84.00	883	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.42	75.50	84.00	877	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.50	75.50	84.00	872	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.58	75.50	84.00	867	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.67	75.49	84.00	861	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.75	75.49	84.00	856	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.83	75.49	84.00	851	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	54.92	75.48	84.00	846	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.00	75.48	84.00	840	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.08	75.47	84.00	835	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.17	75.47	84.00	830	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.25	75.47	84.00	824	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.33	75.46	84.00	819	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.42	75.46	84.00	814	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.50	75.46	84.00	808	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.58	75.45	84.00	803	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.67	75.45	84.00	798	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.75	75.45	84.00	792	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.83	75.44	84.00	787	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	55.92	75.44	84.00	782	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.00	75.44	84.00	777	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.08	75.43	84.00	771	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.17	75.43	84.00	766	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.25	75.43	84.00	761	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.33	75.42	84.00	755	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.42	75.42	84.00	750	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.50	75.42	84.00	745	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.58	75.41	84.00	739	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.67	75.41	84.00	734	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.75	75.41	84.00	729	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.83	75.40	84.00	723	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	56.92	75.40	84.00	718	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.00	75.39	84.00	713	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.08	75.39	84.00	707	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.17	75.39	84.00	702	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.25	75.38	84.00	697	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.33	75.38	84.00	692	0.00	0.01	0.0	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-14	BASE	57.42	75.38	84.00	686	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.50	75.37	84.00	681	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.58	75.37	84.00	676	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.67	75.37	84.00	670	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.75	75.36	84.00	665	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.83	75.36	84.00	660	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	57.92	75.36	84.00	654	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.00	75.35	84.00	649	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.08	75.35	84.00	644	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.17	75.35	84.00	638	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.25	75.34	84.00	633	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.33	75.34	84.00	628	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.42	75.34	84.00	623	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.50	75.33	84.00	617	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.58	75.33	84.00	612	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.67	75.33	84.00	607	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.75	75.32	84.00	601	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.83	75.32	84.00	596	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	58.92	75.32	84.00	591	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.00	75.31	84.00	585	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.08	75.31	84.00	580	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.17	75.30	84.00	575	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.25	75.30	84.00	569	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.33	75.30	84.00	564	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.42	75.29	84.00	559	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.50	75.29	84.00	554	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.58	75.29	84.00	548	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.67	75.28	84.00	543	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.75	75.28	84.00	538	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.83	75.28	84.00	532	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	59.92	75.27	84.00	527	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.00	75.27	84.00	522	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.08	75.27	84.00	516	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.17	75.26	84.00	511	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.25	75.26	84.00	506	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.33	75.26	84.00	500	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.42	75.25	84.00	495	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.50	75.25	84.00	490	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.58	75.25	84.00	485	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.67	75.24	84.00	479	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.75	75.24	84.00	474	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.83	75.24	84.00	469	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	60.92	75.23	84.00	463	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	61.00	75.23	84.00	458	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	61.08	75.22	84.00	453	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	61.17	75.22	84.00	447	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	61.25	75.22	84.00	442	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	61.33	75.21	84.00	437	0.00	0.01	0.0	0.2
WQTV	BASIN-14	BASE	61.42	75.21	84.00	431	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	61.50	75.21	84.00	426	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	61.58	75.20	84.00	421	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	61.67	75.20	84.00	416	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	61.75	75.20	84.00	410	0.00	0.00	0.0	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-14	BASE	61.83	75.19	84.00	405	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	61.92	75.19	84.00	400	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.00	75.19	84.00	394	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.08	75.18	84.00	389	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.17	75.18	84.00	384	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.25	75.18	84.00	378	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.33	75.17	84.00	373	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.42	75.17	84.00	368	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.50	75.17	84.00	362	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.58	75.16	84.00	357	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.67	75.16	84.00	352	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.75	75.16	84.00	346	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.83	75.15	84.00	341	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	62.92	75.15	84.00	336	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.00	75.14	84.00	331	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.08	75.14	84.00	325	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.17	75.14	84.00	320	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.25	75.13	84.00	315	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.33	75.13	84.00	309	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.42	75.13	84.00	304	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.50	75.12	84.00	299	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.58	75.12	84.00	293	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.67	75.12	84.00	288	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.75	75.11	84.00	283	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.83	75.11	84.00	277	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	63.92	75.11	84.00	272	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.00	75.10	84.00	267	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.08	75.10	84.00	262	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.17	75.10	84.00	256	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.25	75.09	84.00	251	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.33	75.09	84.00	246	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.42	75.09	84.00	240	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.50	75.08	84.00	235	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.58	75.08	84.00	230	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.67	75.08	84.00	224	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.75	75.07	84.00	219	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.83	75.07	84.00	214	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	64.92	75.07	84.00	208	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.00	75.06	84.00	203	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.08	75.06	84.00	198	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.17	75.05	84.00	193	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.25	75.05	84.00	187	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.33	75.05	84.00	182	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.42	75.04	84.00	177	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.50	75.04	84.00	171	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.58	75.04	84.00	166	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.67	75.03	84.00	161	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.75	75.03	84.00	155	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.83	75.03	84.00	150	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	65.92	75.02	84.00	145	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.00	75.02	84.00	139	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.08	75.02	84.00	134	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.17	75.01	84.00	129	0.00	0.00	0.0	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-14	BASE	66.25	75.01	84.00	124	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.33	75.01	84.00	118	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.42	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.50	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.58	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.67	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.75	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.83	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	66.92	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.00	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.08	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.17	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.25	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.33	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.42	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.50	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.58	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.67	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.75	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.83	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	67.92	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.00	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.08	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.17	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.25	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.33	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.42	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.50	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.58	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.67	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.75	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.83	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	68.92	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.00	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.08	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.17	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.25	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.33	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.42	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.50	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.58	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.67	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.75	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.83	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	69.92	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.00	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.08	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.17	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.25	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.33	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.42	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.50	75.00	84.00	113	0.00	0.00	0.0	0.2
WQTV	BASIN-14	BASE	70.58	75.00	84.00	113	0.00	0.00	0.0	0.2

BASIN-14 WQTV

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-15	BASE	0.00	84.25	84.75	78351	0.00	0.00	0.0	0.0
WQTV	BASIN-15	BASE	0.08	84.25	84.75	78013	0.00	0.90	0.0	0.0
WQTV	BASIN-15	BASE	0.17	84.24	84.75	77675	0.00	0.90	0.0	0.0
WQTV	BASIN-15	BASE	0.25	84.24	84.75	77338	0.00	0.90	0.0	0.0
WQTV	BASIN-15	BASE	0.33	84.24	84.75	77001	0.00	0.89	0.0	0.0
WQTV	BASIN-15	BASE	0.42	84.23	84.75	76664	0.00	0.89	0.0	0.0
WQTV	BASIN-15	BASE	0.50	84.23	84.75	76327	0.00	0.88	0.0	0.0
WQTV	BASIN-15	BASE	0.58	84.23	84.75	75989	0.00	0.88	0.0	0.0
WQTV	BASIN-15	BASE	0.67	84.22	84.75	75652	0.00	0.88	0.0	0.0
WQTV	BASIN-15	BASE	0.75	84.22	84.75	75315	0.00	0.87	0.0	0.1
WQTV	BASIN-15	BASE	0.83	84.22	84.75	74976	0.00	0.87	0.0	0.1
WQTV	BASIN-15	BASE	0.92	84.21	84.75	74633	0.00	0.86	0.0	0.1
WQTV	BASIN-15	BASE	1.00	84.21	84.75	74300	0.00	0.86	0.0	0.1
WQTV	BASIN-15	BASE	1.09	84.20	84.75	73957	0.00	0.86	0.0	0.1
WQTV	BASIN-15	BASE	1.17	84.20	84.75	73621	0.00	0.85	0.0	0.1
WQTV	BASIN-15	BASE	1.25	84.20	84.75	73281	0.00	0.85	0.0	0.1
WQTV	BASIN-15	BASE	1.33	84.19	84.75	72952	0.00	0.84	0.0	0.1
WQTV	BASIN-15	BASE	1.42	84.19	84.75	72612	0.00	0.84	0.0	0.1
WQTV	BASIN-15	BASE	1.50	84.19	84.75	72271	0.00	0.84	0.0	0.1
WQTV	BASIN-15	BASE	1.59	84.18	84.75	71928	0.00	0.83	0.0	0.1
WQTV	BASIN-15	BASE	1.67	84.18	84.75	71599	0.00	0.83	0.0	0.1
WQTV	BASIN-15	BASE	1.75	84.18	84.75	71256	0.00	0.82	0.0	0.1
WQTV	BASIN-15	BASE	1.83	84.17	84.75	70927	0.00	0.82	0.0	0.1
WQTV	BASIN-15	BASE	1.92	84.17	84.75	70584	0.00	0.82	0.0	0.1
WQTV	BASIN-15	BASE	2.00	84.17	84.75	70254	0.00	0.81	0.0	0.1
WQTV	BASIN-15	BASE	2.09	84.16	84.75	69904	0.00	0.81	0.0	0.1
WQTV	BASIN-15	BASE	2.17	84.16	84.75	69578	0.00	0.81	0.0	0.2
WQTV	BASIN-15	BASE	2.25	84.16	84.75	69235	0.00	0.80	0.0	0.2
WQTV	BASIN-15	BASE	2.34	84.15	84.75	68892	0.00	0.80	0.0	0.2
WQTV	BASIN-15	BASE	2.42	84.15	84.75	68566	0.00	0.79	0.0	0.2
WQTV	BASIN-15	BASE	2.50	84.15	84.75	68223	0.00	0.79	0.0	0.2
WQTV	BASIN-15	BASE	2.59	84.14	84.75	67880	0.00	0.79	0.0	0.2
WQTV	BASIN-15	BASE	2.67	84.14	84.75	67555	0.00	0.78	0.0	0.2
WQTV	BASIN-15	BASE	2.75	84.14	84.75	67212	0.00	0.78	0.0	0.2
WQTV	BASIN-15	BASE	2.84	84.13	84.75	66860	0.00	0.77	0.0	0.2
WQTV	BASIN-15	BASE	2.92	84.13	84.75	66538	0.00	0.77	0.0	0.2
WQTV	BASIN-15	BASE	3.00	84.12	84.75	66195	0.00	0.77	0.0	0.2
WQTV	BASIN-15	BASE	3.09	84.12	84.75	65852	0.00	0.76	0.0	0.2
WQTV	BASIN-15	BASE	3.17	84.12	84.75	65509	0.00	0.76	0.0	0.2
WQTV	BASIN-15	BASE	3.25	84.11	84.75	65188	0.00	0.75	0.0	0.2
WQTV	BASIN-15	BASE	3.34	84.11	84.75	64845	0.00	0.75	0.0	0.2
WQTV	BASIN-15	BASE	3.42	84.11	84.75	64502	0.00	0.75	0.0	0.2
WQTV	BASIN-15	BASE	3.50	84.10	84.75	64180	0.00	0.74	0.0	0.2
WQTV	BASIN-15	BASE	3.58	84.10	84.75	63837	0.00	0.74	0.0	0.2
WQTV	BASIN-15	BASE	3.67	84.10	84.75	63494	0.00	0.73	0.0	0.2
WQTV	BASIN-15	BASE	3.75	84.09	84.75	63151	0.00	0.73	0.0	0.3
WQTV	BASIN-15	BASE	3.83	84.09	84.75	62829	0.00	0.73	0.0	0.3
WQTV	BASIN-15	BASE	3.92	84.09	84.75	62481	0.00	0.72	0.0	0.3
WQTV	BASIN-15	BASE	4.01	84.08	84.75	62132	0.00	0.72	0.0	0.3
WQTV	BASIN-15	BASE	4.09	84.08	84.75	61811	0.00	0.72	0.0	0.3
WQTV	BASIN-15	BASE	4.17	84.08	84.75	61463	0.00	0.71	0.0	0.3
WQTV	BASIN-15	BASE	4.25	84.07	84.75	61141	0.00	0.71	0.0	0.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-15	BASE	4.34	84.07	84.75	60793	0.00	0.70	0.0	0.3
WQTV	BASIN-15	BASE	4.42	84.07	84.75	60444	0.00	0.70	0.0	0.3
WQTV	BASIN-15	BASE	4.50	84.06	84.75	60123	0.00	0.70	0.0	0.3
WQTV	BASIN-15	BASE	4.59	84.06	84.75	59774	0.00	0.69	0.0	0.3
WQTV	BASIN-15	BASE	4.67	84.06	84.75	59453	0.00	0.69	0.0	0.3
WQTV	BASIN-15	BASE	4.75	84.05	84.75	59104	0.00	0.68	0.0	0.3
WQTV	BASIN-15	BASE	4.84	84.05	84.75	58756	0.00	0.68	0.0	0.3
WQTV	BASIN-15	BASE	4.92	84.05	84.75	58434	0.00	0.68	0.0	0.3
WQTV	BASIN-15	BASE	5.01	84.04	84.75	58086	0.00	0.67	0.0	0.3
WQTV	BASIN-15	BASE	5.09	84.04	84.75	57751	0.00	0.67	0.0	0.3
WQTV	BASIN-15	BASE	5.17	84.03	84.75	57416	0.00	0.66	0.0	0.3
WQTV	BASIN-15	BASE	5.25	84.03	84.75	57081	0.00	0.66	0.0	0.3
WQTV	BASIN-15	BASE	5.34	84.03	84.75	56746	0.00	0.66	0.0	0.3
WQTV	BASIN-15	BASE	5.42	84.02	84.75	56411	0.00	0.65	0.0	0.3
WQTV	BASIN-15	BASE	5.50	84.02	84.75	56076	0.00	0.65	0.0	0.4
WQTV	BASIN-15	BASE	5.58	84.02	84.75	55741	0.00	0.65	0.0	0.4
WQTV	BASIN-15	BASE	5.67	84.01	84.75	55406	0.00	0.64	0.0	0.4
WQTV	BASIN-15	BASE	5.75	84.01	84.75	55071	0.00	0.64	0.0	0.4
WQTV	BASIN-15	BASE	5.84	84.01	84.75	54702	0.00	0.63	0.0	0.4
WQTV	BASIN-15	BASE	5.92	84.00	84.75	54367	0.00	0.63	0.0	0.4
WQTV	BASIN-15	BASE	6.01	84.00	84.75	54052	0.00	0.63	0.0	0.4
WQTV	BASIN-15	BASE	6.09	84.00	84.75	53968	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.17	83.99	84.75	53884	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.25	83.99	84.75	53799	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.34	83.99	84.75	53715	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.42	83.98	84.75	53631	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.50	83.98	84.75	53547	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.59	83.98	84.75	53463	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.67	83.97	84.75	53379	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.75	83.97	84.75	53295	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.83	83.97	84.75	53211	0.00	0.62	0.0	0.4
WQTV	BASIN-15	BASE	6.92	83.96	84.75	53126	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.00	83.96	84.75	53042	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.08	83.95	84.75	52957	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.17	83.95	84.75	52873	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.25	83.95	84.75	52788	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.33	83.94	84.75	52703	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.42	83.94	84.75	52619	0.00	0.61	0.0	0.4
WQTV	BASIN-15	BASE	7.50	83.94	84.75	52534	0.00	0.61	0.0	0.5
WQTV	BASIN-15	BASE	7.58	83.93	84.75	52450	0.00	0.61	0.0	0.5
WQTV	BASIN-15	BASE	7.67	83.93	84.75	52365	0.00	0.61	0.0	0.5
WQTV	BASIN-15	BASE	7.75	83.93	84.75	52280	0.00	0.61	0.0	0.5
WQTV	BASIN-15	BASE	7.83	83.92	84.75	52196	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	7.92	83.92	84.75	52111	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.00	83.92	84.75	52026	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.08	83.91	84.75	51942	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.17	83.91	84.75	51857	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.25	83.91	84.75	51773	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.33	83.90	84.75	51688	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.42	83.90	84.75	51603	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.50	83.90	84.75	51519	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.58	83.89	84.75	51434	0.00	0.60	0.0	0.5
WQTV	BASIN-15	BASE	8.67	83.89	84.75	51349	0.00	0.59	0.0	0.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-15	BASE	8.75	83.89	84.75	51265	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	8.83	83.88	84.75	51180	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	8.92	83.88	84.75	51096	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.00	83.87	84.75	51011	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.08	83.87	84.75	50926	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.17	83.87	84.75	50842	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.25	83.86	84.75	50757	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.33	83.86	84.75	50672	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.42	83.86	84.75	50588	0.00	0.59	0.0	0.5
WQTV	BASIN-15	BASE	9.50	83.85	84.75	50503	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	9.58	83.85	84.75	50419	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	9.67	83.85	84.75	50334	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	9.75	83.84	84.75	50249	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	9.83	83.84	84.75	50165	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	9.92	83.84	84.75	50080	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	10.00	83.83	84.75	49995	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	10.08	83.83	84.75	49911	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	10.17	83.83	84.75	49826	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	10.25	83.82	84.75	49742	0.00	0.58	0.0	0.6
WQTV	BASIN-15	BASE	10.33	83.82	84.75	49657	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.42	83.82	84.75	49572	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.50	83.81	84.75	49488	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.58	83.81	84.75	49403	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.67	83.81	84.75	49318	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.75	83.80	84.75	49234	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.83	83.80	84.75	49149	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	10.92	83.80	84.75	49065	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	11.00	83.79	84.75	48980	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	11.08	83.79	84.75	48895	0.00	0.57	0.0	0.6
WQTV	BASIN-15	BASE	11.17	83.78	84.75	48811	0.00	0.56	0.0	0.6
WQTV	BASIN-15	BASE	11.25	83.78	84.75	48726	0.00	0.56	0.0	0.6
WQTV	BASIN-15	BASE	11.33	83.78	84.75	48641	0.00	0.56	0.0	0.6
WQTV	BASIN-15	BASE	11.42	83.77	84.75	48557	0.00	0.56	0.0	0.6
WQTV	BASIN-15	BASE	11.50	83.77	84.75	48472	0.00	0.56	0.0	0.6
WQTV	BASIN-15	BASE	11.58	83.77	84.75	48388	0.00	0.56	0.0	0.7
WQTV	BASIN-15	BASE	11.67	83.76	84.75	48303	0.00	0.56	0.0	0.7
WQTV	BASIN-15	BASE	11.75	83.76	84.75	48218	0.00	0.56	0.0	0.7
WQTV	BASIN-15	BASE	11.83	83.76	84.75	48134	0.00	0.56	0.0	0.7
WQTV	BASIN-15	BASE	11.92	83.75	84.75	48049	0.00	0.56	0.0	0.7
WQTV	BASIN-15	BASE	12.00	83.75	84.75	47964	0.00	0.56	0.0	0.7
WQTV	BASIN-15	BASE	12.08	83.75	84.75	47880	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.17	83.74	84.75	47795	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.25	83.74	84.75	47711	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.33	83.74	84.75	47626	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.42	83.73	84.75	47541	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.50	83.73	84.75	47457	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.58	83.73	84.75	47372	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.67	83.72	84.75	47287	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.75	83.72	84.75	47203	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.83	83.72	84.75	47118	0.00	0.55	0.0	0.7
WQTV	BASIN-15	BASE	12.92	83.71	84.75	47034	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.00	83.71	84.75	46949	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.08	83.70	84.75	46864	0.00	0.54	0.0	0.7

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-15	BASE	13.17	83.70	84.75	46780	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.25	83.70	84.75	46695	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.33	83.69	84.75	46610	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.42	83.69	84.75	46526	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.50	83.69	84.75	46441	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.58	83.68	84.75	46357	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.67	83.68	84.75	46272	0.00	0.54	0.0	0.7
WQTV	BASIN-15	BASE	13.75	83.68	84.75	46187	0.00	0.53	0.0	0.7
WQTV	BASIN-15	BASE	13.83	83.67	84.75	46103	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	13.92	83.67	84.75	46018	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.00	83.67	84.75	45933	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.08	83.66	84.75	45849	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.17	83.66	84.75	45764	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.25	83.66	84.75	45680	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.33	83.65	84.75	45595	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.42	83.65	84.75	45510	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.50	83.65	84.75	45426	0.00	0.53	0.0	0.8
WQTV	BASIN-15	BASE	14.58	83.64	84.75	45341	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	14.67	83.64	84.75	45256	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	14.75	83.64	84.75	45172	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	14.83	83.63	84.75	45087	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	14.92	83.63	84.75	45003	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	15.00	83.62	84.75	44918	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	15.08	83.62	84.75	44833	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	15.17	83.62	84.75	44749	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	15.25	83.61	84.75	44664	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	15.33	83.61	84.75	44579	0.00	0.52	0.0	0.8
WQTV	BASIN-15	BASE	15.42	83.61	84.75	44495	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	15.50	83.60	84.75	44410	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	15.58	83.60	84.75	44326	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	15.67	83.60	84.75	44241	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	15.75	83.59	84.75	44156	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	15.83	83.59	84.75	44072	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	15.92	83.59	84.75	43987	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	16.00	83.58	84.75	43902	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	16.08	83.58	84.75	43818	0.00	0.51	0.0	0.8
WQTV	BASIN-15	BASE	16.17	83.58	84.75	43733	0.00	0.51	0.0	0.9
WQTV	BASIN-15	BASE	16.25	83.57	84.75	43649	0.00	0.51	0.0	0.9
WQTV	BASIN-15	BASE	16.33	83.57	84.75	43564	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.42	83.57	84.75	43479	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.50	83.56	84.75	43395	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.58	83.56	84.75	43310	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.67	83.56	84.75	43225	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.75	83.55	84.75	43141	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.83	83.55	84.75	43056	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	16.92	83.55	84.75	42972	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	17.00	83.54	84.75	42887	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	17.08	83.54	84.75	42802	0.00	0.50	0.0	0.9
WQTV	BASIN-15	BASE	17.17	83.53	84.75	42718	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.25	83.53	84.75	42633	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.33	83.53	84.75	42548	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.42	83.52	84.75	42464	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.50	83.52	84.75	42379	0.00	0.49	0.0	0.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-15	BASE	17.58	83.52	84.75	42295	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.67	83.51	84.75	42210	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.75	83.51	84.75	42125	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.83	83.51	84.75	42041	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	17.92	83.50	84.75	41956	0.00	0.49	0.0	0.9
WQTV	BASIN-15	BASE	18.00	83.50	84.75	41871	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.08	83.50	84.75	41787	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.17	83.49	84.75	41702	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.25	83.49	84.75	41618	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.33	83.49	84.75	41533	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.42	83.48	84.75	41448	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.50	83.48	84.75	41364	0.00	0.48	0.0	0.9
WQTV	BASIN-15	BASE	18.58	83.48	84.75	41279	0.00	0.48	0.0	1.0
WQTV	BASIN-15	BASE	18.67	83.47	84.75	41194	0.00	0.48	0.0	1.0
WQTV	BASIN-15	BASE	18.75	83.47	84.75	41110	0.00	0.48	0.0	1.0
WQTV	BASIN-15	BASE	18.83	83.47	84.75	41025	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	18.92	83.46	84.75	40941	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.00	83.46	84.75	40856	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.08	83.45	84.75	40771	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.17	83.45	84.75	40687	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.25	83.45	84.75	40602	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.33	83.44	84.75	40517	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.42	83.44	84.75	40433	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.50	83.44	84.75	40348	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.58	83.43	84.75	40264	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.67	83.43	84.75	40179	0.00	0.47	0.0	1.0
WQTV	BASIN-15	BASE	19.75	83.43	84.75	40094	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	19.83	83.42	84.75	40010	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	19.92	83.42	84.75	39925	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.00	83.42	84.75	39840	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.08	83.41	84.75	39756	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.17	83.41	84.75	39671	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.25	83.41	84.75	39587	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.33	83.40	84.75	39502	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.42	83.40	84.75	39417	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.50	83.40	84.75	39333	0.00	0.46	0.0	1.0
WQTV	BASIN-15	BASE	20.58	83.39	84.75	39248	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	20.67	83.39	84.75	39163	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	20.75	83.39	84.75	39079	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	20.83	83.38	84.75	38994	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	20.92	83.38	84.75	38910	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	21.00	83.37	84.75	38825	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	21.08	83.37	84.75	38740	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	21.17	83.37	84.75	38656	0.00	0.45	0.0	1.0
WQTV	BASIN-15	BASE	21.25	83.36	84.75	38571	0.00	0.45	0.0	1.1
WQTV	BASIN-15	BASE	21.33	83.36	84.75	38486	0.00	0.45	0.0	1.1
WQTV	BASIN-15	BASE	21.42	83.36	84.75	38402	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	21.50	83.35	84.75	38317	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	21.58	83.35	84.75	38233	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	21.67	83.35	84.75	38148	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	21.75	83.34	84.75	38063	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	21.83	83.34	84.75	37979	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	21.92	83.34	84.75	37894	0.00	0.44	0.0	1.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-15	BASE	22.00	83.33	84.75	37809	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	22.08	83.33	84.75	37725	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	22.17	83.33	84.75	37640	0.00	0.44	0.0	1.1
WQTV	BASIN-15	BASE	22.25	83.32	84.75	37556	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.33	83.32	84.75	37471	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.42	83.32	84.75	37386	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.50	83.31	84.75	37302	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.58	83.31	84.75	37217	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.67	83.31	84.75	37132	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.75	83.30	84.75	37048	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.83	83.30	84.75	36963	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	22.92	83.30	84.75	36879	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	23.00	83.29	84.75	36794	0.00	0.43	0.0	1.1
WQTV	BASIN-15	BASE	23.08	83.29	84.75	36709	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.17	83.28	84.75	36625	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.25	83.28	84.75	36540	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.33	83.28	84.75	36455	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.42	83.27	84.75	36371	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.50	83.27	84.75	36286	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.58	83.27	84.75	36202	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.67	83.26	84.75	36117	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.75	83.26	84.75	36032	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.83	83.26	84.75	35948	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	23.92	83.25	84.75	35863	0.00	0.42	0.0	1.1
WQTV	BASIN-15	BASE	24.00	83.25	84.75	35778	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.08	83.25	84.75	35694	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.17	83.24	84.75	35609	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.25	83.24	84.75	35525	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.33	83.24	84.75	35440	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.42	83.23	84.75	35355	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.50	83.23	84.75	35271	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.58	83.23	84.75	35186	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.67	83.22	84.75	35102	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.75	83.22	84.75	35017	0.00	0.41	0.0	1.2
WQTV	BASIN-15	BASE	24.83	83.22	84.75	34932	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	24.92	83.21	84.75	34848	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.00	83.21	84.75	34763	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.08	83.20	84.75	34678	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.17	83.20	84.75	34594	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.25	83.20	84.75	34509	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.33	83.19	84.75	34425	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.42	83.19	84.75	34340	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.50	83.19	84.75	34255	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.58	83.18	84.75	34171	0.00	0.40	0.0	1.2
WQTV	BASIN-15	BASE	25.67	83.18	84.75	34086	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	25.75	83.18	84.75	34001	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	25.83	83.17	84.75	33917	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	25.92	83.17	84.75	33832	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	26.00	83.17	84.75	33748	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	26.08	83.16	84.75	33663	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	26.17	83.16	84.75	33578	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	26.25	83.16	84.75	33494	0.00	0.39	0.0	1.2
WQTV	BASIN-15	BASE	26.33	83.15	84.75	33409	0.00	0.39	0.0	1.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-15	BASE	26.42	83.15	84.75	33324	0.00	0.39	0.0	1.2	
WQTV	BASIN-15	BASE	26.50	83.15	84.75	33240	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	26.58	83.14	84.75	33155	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	26.67	83.14	84.75	33071	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	26.75	83.14	84.75	32986	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	26.83	83.13	84.75	32901	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	26.92	83.13	84.75	32817	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	27.00	83.12	84.75	32732	0.00	0.38	0.0	1.2	
WQTV	BASIN-15	BASE	27.08	83.12	84.75	32647	0.00	0.38	0.0	1.3	
WQTV	BASIN-15	BASE	27.17	83.12	84.75	32563	0.00	0.38	0.0	1.3	
WQTV	BASIN-15	BASE	27.25	83.11	84.75	32478	0.00	0.38	0.0	1.3	
WQTV	BASIN-15	BASE	27.33	83.11	84.75	32394	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.42	83.11	84.75	32309	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.50	83.10	84.75	32224	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.58	83.10	84.75	32140	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.67	83.10	84.75	32055	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.75	83.09	84.75	31970	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.83	83.09	84.75	31886	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	27.92	83.09	84.75	31801	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	28.00	83.08	84.75	31717	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	28.08	83.08	84.75	31632	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	28.17	83.08	84.75	31547	0.00	0.37	0.0	1.3	
WQTV	BASIN-15	BASE	28.25	83.07	84.75	31463	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.33	83.07	84.75	31378	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.42	83.07	84.75	31293	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.50	83.06	84.75	31209	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.58	83.06	84.75	31124	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.67	83.06	84.75	31040	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.75	83.05	84.75	30955	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.83	83.05	84.75	30870	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	28.92	83.05	84.75	30786	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	29.00	83.04	84.75	30701	0.00	0.36	0.0	1.3	
WQTV	BASIN-15	BASE	29.08	83.04	84.75	30616	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.17	83.03	84.75	30532	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.25	83.03	84.75	30447	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.33	83.03	84.75	30363	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.42	83.02	84.75	30278	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.50	83.02	84.75	30193	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.58	83.02	84.75	30109	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.67	83.01	84.75	30024	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.75	83.01	84.75	29939	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.83	83.01	84.75	29855	0.00	0.35	0.0	1.3	
WQTV	BASIN-15	BASE	29.92	83.00	84.75	29770	0.00	0.34	0.0	1.3	BASIN-15 WQTV
WQTV	BASIN-15	BASE	30.00	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.08	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.17	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.25	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.33	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.42	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.50	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.58	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.67	83.00	84.75	29686	0.00	0.00	0.0	1.3	
WQTV	BASIN-15	BASE	30.75	83.00	84.75	29686	0.00	0.00	0.0	1.3	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-15	BASE	79.42	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	79.50	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	79.58	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	79.67	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	79.75	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	79.83	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	79.92	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	80.00	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-15	BASE	80.00	83.00	84.75	29686	0.00	0.00	0.0	1.3
WQTV	BASIN-2	BASE	0.00	59.49	84.25	6417	18.70	0.00	0.0	0.0
WQTV	BASIN-2	BASE	0.08	59.36	84.25	6365	0.14	4.94	0.1	0.0
WQTV	BASIN-2	BASE	0.17	59.14	84.25	6276	0.00	4.48	0.1	0.0
WQTV	BASIN-2	BASE	0.25	58.93	84.25	6197	0.00	4.07	0.1	0.1
WQTV	BASIN-2	BASE	0.33	58.75	84.25	6131	0.00	3.71	0.1	0.1
WQTV	BASIN-2	BASE	0.42	58.57	84.25	6069	0.00	3.39	0.1	0.1
WQTV	BASIN-2	BASE	0.50	58.41	84.25	6012	0.00	3.11	0.1	0.2
WQTV	BASIN-2	BASE	0.58	58.26	84.25	5959	0.00	2.87	0.1	0.2
WQTV	BASIN-2	BASE	0.67	58.12	84.25	5910	0.00	2.65	0.1	0.2
WQTV	BASIN-2	BASE	0.75	57.99	84.25	5864	0.00	2.46	0.1	0.2
WQTV	BASIN-2	BASE	0.83	57.87	84.25	5823	0.00	2.29	0.1	0.2
WQTV	BASIN-2	BASE	0.92	57.75	84.25	5784	0.00	2.14	0.1	0.2
WQTV	BASIN-2	BASE	1.00	57.64	84.25	5748	0.00	2.01	0.1	0.3
WQTV	BASIN-2	BASE	1.09	57.54	84.25	5714	0.00	1.88	0.1	0.3
WQTV	BASIN-2	BASE	1.17	57.45	84.25	5682	0.00	1.78	0.1	0.3
WQTV	BASIN-2	BASE	1.25	57.35	84.25	5651	0.00	1.68	0.1	0.3
WQTV	BASIN-2	BASE	1.33	57.27	84.25	5622	0.00	1.59	0.1	0.3
WQTV	BASIN-2	BASE	1.42	57.18	84.25	5594	0.00	1.51	0.1	0.3
WQTV	BASIN-2	BASE	1.50	57.10	84.25	5567	0.00	1.44	0.1	0.3
WQTV	BASIN-2	BASE	1.59	57.03	84.25	5541	0.00	1.38	0.1	0.3
WQTV	BASIN-2	BASE	1.67	56.96	84.25	5516	0.00	1.32	0.1	0.3
WQTV	BASIN-2	BASE	1.75	56.88	84.25	5491	0.00	1.26	0.1	0.4
WQTV	BASIN-2	BASE	1.83	56.82	84.25	5467	0.00	1.22	0.1	0.4
WQTV	BASIN-2	BASE	1.92	56.75	84.25	5443	0.00	1.17	0.1	0.4
WQTV	BASIN-2	BASE	2.00	56.69	84.25	5421	0.00	1.13	0.1	0.4
WQTV	BASIN-2	BASE	2.09	56.63	84.25	5398	0.00	1.09	0.1	0.4
WQTV	BASIN-2	BASE	2.17	56.57	84.25	5378	0.00	1.05	0.1	0.4
WQTV	BASIN-2	BASE	2.25	56.51	84.25	5357	0.00	1.02	0.1	0.4
WQTV	BASIN-2	BASE	2.34	56.45	84.25	5336	0.00	0.99	0.1	0.4
WQTV	BASIN-2	BASE	2.42	56.40	84.25	5317	0.00	0.96	0.1	0.4
WQTV	BASIN-2	BASE	2.50	56.34	84.25	5298	0.00	0.93	0.1	0.4
WQTV	BASIN-2	BASE	2.59	56.29	84.25	5279	0.00	0.90	0.1	0.4
WQTV	BASIN-2	BASE	2.67	56.24	84.25	5262	0.00	0.88	0.1	0.4
WQTV	BASIN-2	BASE	2.75	56.19	84.25	5244	0.00	0.86	0.1	0.4
WQTV	BASIN-2	BASE	2.84	56.14	84.25	5226	0.00	0.83	0.1	0.4
WQTV	BASIN-2	BASE	2.92	56.10	84.25	5210	0.00	0.81	0.1	0.5
WQTV	BASIN-2	BASE	3.00	56.05	84.25	5193	0.00	0.79	0.1	0.5
WQTV	BASIN-2	BASE	3.09	56.00	84.25	5176	0.00	0.78	0.1	0.5
WQTV	BASIN-2	BASE	3.17	55.96	84.25	5160	0.00	0.76	0.1	0.5
WQTV	BASIN-2	BASE	3.25	55.92	84.25	5145	0.00	0.74	0.1	0.5
WQTV	BASIN-2	BASE	3.34	55.87	84.25	5130	0.00	0.73	0.1	0.5
WQTV	BASIN-2	BASE	3.42	55.83	84.25	5114	0.00	0.71	0.1	0.5
WQTV	BASIN-2	BASE	3.50	55.79	84.25	5100	0.00	0.70	0.1	0.5

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	3.58	55.75	84.25	5086	0.00	0.68	0.1	0.5
WQTV	BASIN-2	BASE	3.67	55.71	84.25	5071	0.00	0.67	0.1	0.5
WQTV	BASIN-2	BASE	3.75	55.67	84.25	5057	0.00	0.66	0.1	0.5
WQTV	BASIN-2	BASE	3.83	55.63	84.25	5044	0.00	0.64	0.1	0.5
WQTV	BASIN-2	BASE	3.92	55.59	84.25	5030	0.00	0.63	0.1	0.5
WQTV	BASIN-2	BASE	4.01	55.55	84.25	5016	0.00	0.62	0.1	0.5
WQTV	BASIN-2	BASE	4.09	55.52	84.25	5003	0.00	0.61	0.1	0.5
WQTV	BASIN-2	BASE	4.17	55.48	84.25	4990	0.00	0.60	0.1	0.5
WQTV	BASIN-2	BASE	4.25	55.45	84.25	4978	0.00	0.59	0.1	0.5
WQTV	BASIN-2	BASE	4.34	55.41	84.25	4965	0.00	0.58	0.1	0.5
WQTV	BASIN-2	BASE	4.42	55.38	84.25	4952	0.00	0.57	0.1	0.5
WQTV	BASIN-2	BASE	4.50	55.34	84.25	4940	0.00	0.56	0.1	0.5
WQTV	BASIN-2	BASE	4.59	55.31	84.25	4928	0.00	0.55	0.1	0.5
WQTV	BASIN-2	BASE	4.67	55.28	84.25	4917	0.00	0.54	0.1	0.5
WQTV	BASIN-2	BASE	4.75	55.24	84.25	4904	0.00	0.53	0.1	0.5
WQTV	BASIN-2	BASE	4.84	55.21	84.25	4892	0.00	0.53	0.1	0.6
WQTV	BASIN-2	BASE	4.92	55.18	84.25	4882	0.00	0.52	0.1	0.6
WQTV	BASIN-2	BASE	5.01	55.15	84.25	4870	0.00	0.51	0.1	0.6
WQTV	BASIN-2	BASE	5.09	55.12	84.25	4859	0.00	0.50	0.1	0.6
WQTV	BASIN-2	BASE	5.17	55.08	84.25	4848	0.00	0.50	0.1	0.6
WQTV	BASIN-2	BASE	5.25	55.05	84.25	4837	0.00	0.49	0.1	0.6
WQTV	BASIN-2	BASE	5.34	55.02	84.25	4826	0.00	0.48	0.1	0.6
WQTV	BASIN-2	BASE	5.42	54.99	84.25	4816	0.00	0.48	0.1	0.6
WQTV	BASIN-2	BASE	5.50	54.97	84.25	4805	0.00	0.47	0.1	0.6
WQTV	BASIN-2	BASE	5.58	54.94	84.25	4795	0.00	0.46	0.1	0.6
WQTV	BASIN-2	BASE	5.67	54.91	84.25	4784	0.00	0.46	0.1	0.6
WQTV	BASIN-2	BASE	5.75	54.88	84.25	4774	0.00	0.45	0.1	0.6
WQTV	BASIN-2	BASE	5.84	54.85	84.25	4763	0.00	0.44	0.1	0.6
WQTV	BASIN-2	BASE	5.92	54.82	84.25	4753	0.00	0.44	0.1	0.6
WQTV	BASIN-2	BASE	6.01	54.79	84.25	4743	0.00	0.43	0.1	0.6
WQTV	BASIN-2	BASE	6.09	54.77	84.25	4733	0.00	0.43	0.1	0.6
WQTV	BASIN-2	BASE	6.17	54.74	84.25	4724	0.00	0.42	0.1	0.6
WQTV	BASIN-2	BASE	6.25	54.71	84.25	4714	0.00	0.42	0.1	0.6
WQTV	BASIN-2	BASE	6.34	54.69	84.25	4705	0.00	0.41	0.1	0.6
WQTV	BASIN-2	BASE	6.42	54.66	84.25	4695	0.00	0.41	0.1	0.6
WQTV	BASIN-2	BASE	6.50	54.64	84.25	4686	0.00	0.40	0.1	0.6
WQTV	BASIN-2	BASE	6.59	54.61	84.25	4677	0.00	0.40	0.1	0.6
WQTV	BASIN-2	BASE	6.67	54.58	84.25	4668	0.00	0.39	0.1	0.6
WQTV	BASIN-2	BASE	6.75	54.56	84.25	4659	0.00	0.39	0.1	0.6
WQTV	BASIN-2	BASE	6.83	54.54	84.25	4650	0.00	0.38	0.1	0.6
WQTV	BASIN-2	BASE	6.92	54.51	84.25	4641	0.00	0.38	0.1	0.6
WQTV	BASIN-2	BASE	7.00	54.49	84.25	4632	0.00	0.38	0.1	0.6
WQTV	BASIN-2	BASE	7.08	54.46	84.25	4623	0.00	0.37	0.1	0.6
WQTV	BASIN-2	BASE	7.17	54.44	84.25	4614	0.00	0.37	0.1	0.6
WQTV	BASIN-2	BASE	7.25	54.41	84.25	4606	0.00	0.36	0.1	0.6
WQTV	BASIN-2	BASE	7.33	54.39	84.25	4597	0.00	0.36	0.1	0.6
WQTV	BASIN-2	BASE	7.42	54.37	84.25	4589	0.00	0.36	0.1	0.6
WQTV	BASIN-2	BASE	7.50	54.34	84.25	4580	0.00	0.35	0.1	0.6
WQTV	BASIN-2	BASE	7.58	54.32	84.25	4572	0.00	0.35	0.1	0.7
WQTV	BASIN-2	BASE	7.67	54.30	84.25	4564	0.00	0.35	0.1	0.7
WQTV	BASIN-2	BASE	7.75	54.28	84.25	4556	0.00	0.34	0.1	0.7
WQTV	BASIN-2	BASE	7.83	54.25	84.25	4548	0.00	0.34	0.1	0.7
WQTV	BASIN-2	BASE	7.92	54.23	84.25	4540	0.00	0.33	0.1	0.7

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	8.00	54.21	84.25	4532	0.00	0.33	0.1	0.7
WQTV	BASIN-2	BASE	8.08	54.19	84.25	4524	0.00	0.33	0.1	0.7
WQTV	BASIN-2	BASE	8.17	54.17	84.25	4516	0.00	0.32	0.1	0.7
WQTV	BASIN-2	BASE	8.25	54.14	84.25	4508	0.00	0.32	0.1	0.7
WQTV	BASIN-2	BASE	8.33	54.12	84.25	4500	0.00	0.32	0.1	0.7
WQTV	BASIN-2	BASE	8.42	54.10	84.25	4493	0.00	0.32	0.1	0.7
WQTV	BASIN-2	BASE	8.50	54.08	84.25	4485	0.00	0.31	0.1	0.7
WQTV	BASIN-2	BASE	8.58	54.06	84.25	4478	0.00	0.31	0.1	0.7
WQTV	BASIN-2	BASE	8.67	54.04	84.25	4470	0.00	0.31	0.1	0.7
WQTV	BASIN-2	BASE	8.75	54.02	84.25	4463	0.00	0.30	0.1	0.7
WQTV	BASIN-2	BASE	8.83	54.00	84.25	4455	0.00	0.30	0.1	0.7
WQTV	BASIN-2	BASE	8.92	53.98	84.25	4448	0.00	0.30	0.1	0.7
WQTV	BASIN-2	BASE	9.00	53.96	84.25	4441	0.00	0.30	0.1	0.7
WQTV	BASIN-2	BASE	9.08	53.94	84.25	4434	0.00	0.29	0.1	0.7
WQTV	BASIN-2	BASE	9.17	53.92	84.25	4427	0.00	0.29	0.1	0.7
WQTV	BASIN-2	BASE	9.25	53.90	84.25	4420	0.00	0.29	0.1	0.7
WQTV	BASIN-2	BASE	9.33	53.88	84.25	4413	0.00	0.29	0.1	0.7
WQTV	BASIN-2	BASE	9.42	53.86	84.25	4406	0.00	0.28	0.1	0.7
WQTV	BASIN-2	BASE	9.50	53.84	84.25	4399	0.00	0.28	0.1	0.7
WQTV	BASIN-2	BASE	9.58	53.82	84.25	4392	0.00	0.28	0.1	0.7
WQTV	BASIN-2	BASE	9.67	53.80	84.25	4386	0.00	0.28	0.1	0.7
WQTV	BASIN-2	BASE	9.75	53.78	84.25	4379	0.00	0.27	0.1	0.7
WQTV	BASIN-2	BASE	9.83	53.77	84.25	4372	0.00	0.27	0.1	0.7
WQTV	BASIN-2	BASE	9.92	53.75	84.25	4366	0.00	0.27	0.1	0.7
WQTV	BASIN-2	BASE	10.00	53.73	84.25	4359	0.00	0.27	0.1	0.7
WQTV	BASIN-2	BASE	10.08	53.71	84.25	4353	0.00	0.26	0.1	0.7
WQTV	BASIN-2	BASE	10.17	53.69	84.25	4346	0.00	0.26	0.1	0.7
WQTV	BASIN-2	BASE	10.25	53.67	84.25	4340	0.00	0.26	0.1	0.7
WQTV	BASIN-2	BASE	10.33	53.66	84.25	4333	0.00	0.26	0.1	0.7
WQTV	BASIN-2	BASE	10.42	53.64	84.25	4327	0.00	0.26	0.1	0.7
WQTV	BASIN-2	BASE	10.50	53.62	84.25	4321	0.00	0.25	0.1	0.7
WQTV	BASIN-2	BASE	10.58	53.60	84.25	4314	0.00	0.25	0.1	0.7
WQTV	BASIN-2	BASE	10.67	53.59	84.25	4308	0.00	0.25	0.1	0.7
WQTV	BASIN-2	BASE	10.75	53.57	84.25	4302	0.00	0.25	0.1	0.7
WQTV	BASIN-2	BASE	10.83	53.55	84.25	4296	0.00	0.25	0.1	0.7
WQTV	BASIN-2	BASE	10.92	53.53	84.25	4290	0.00	0.24	0.1	0.7
WQTV	BASIN-2	BASE	11.00	53.52	84.25	4284	0.00	0.24	0.1	0.7
WQTV	BASIN-2	BASE	11.08	53.50	84.25	4278	0.00	0.24	0.1	0.7
WQTV	BASIN-2	BASE	11.17	53.48	84.25	4272	0.00	0.24	0.1	0.7
WQTV	BASIN-2	BASE	11.25	53.47	84.25	4266	0.00	0.24	0.1	0.7
WQTV	BASIN-2	BASE	11.33	53.45	84.25	4260	0.00	0.23	0.1	0.7
WQTV	BASIN-2	BASE	11.42	53.43	84.25	4254	0.00	0.23	0.1	0.7
WQTV	BASIN-2	BASE	11.50	53.42	84.25	4248	0.00	0.23	0.1	0.7
WQTV	BASIN-2	BASE	11.58	53.40	84.25	4242	0.00	0.23	0.1	0.7
WQTV	BASIN-2	BASE	11.67	53.39	84.25	4237	0.00	0.23	0.1	0.7
WQTV	BASIN-2	BASE	11.75	53.37	84.25	4231	0.00	0.23	0.1	0.7
WQTV	BASIN-2	BASE	11.83	53.35	84.25	4225	0.00	0.22	0.1	0.7
WQTV	BASIN-2	BASE	11.92	53.34	84.25	4219	0.00	0.22	0.1	0.7
WQTV	BASIN-2	BASE	12.00	53.32	84.25	4214	0.00	0.22	0.1	0.8
WQTV	BASIN-2	BASE	12.08	53.31	84.25	4208	0.00	0.22	0.1	0.8
WQTV	BASIN-2	BASE	12.17	53.29	84.25	4203	0.00	0.22	0.1	0.8
WQTV	BASIN-2	BASE	12.25	53.27	84.25	4197	0.00	0.22	0.1	0.8
WQTV	BASIN-2	BASE	12.33	53.26	84.25	4192	0.00	0.21	0.1	0.8

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	12.42	53.24	84.25	4186	0.00	0.21	0.1	0.8
WQTV	BASIN-2	BASE	12.50	53.23	84.25	4181	0.00	0.21	0.1	0.8
WQTV	BASIN-2	BASE	12.58	53.21	84.25	4175	0.00	0.21	0.1	0.8
WQTV	BASIN-2	BASE	12.67	53.20	84.25	4170	0.00	0.21	0.1	0.8
WQTV	BASIN-2	BASE	12.75	53.18	84.25	4165	0.00	0.21	0.1	0.8
WQTV	BASIN-2	BASE	12.83	53.17	84.25	4159	0.00	0.21	0.1	0.8
WQTV	BASIN-2	BASE	12.92	53.15	84.25	4154	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.00	53.14	84.25	4149	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.08	53.12	84.25	4144	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.17	53.11	84.25	4138	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.25	53.10	84.25	4133	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.33	53.08	84.25	4128	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.42	53.07	84.25	4123	0.00	0.20	0.1	0.8
WQTV	BASIN-2	BASE	13.50	53.05	84.25	4118	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	13.58	53.04	84.25	4113	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	13.67	53.02	84.25	4108	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	13.75	53.01	84.25	4103	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	13.83	53.00	84.25	4098	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	13.92	52.98	84.25	4094	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	14.00	52.97	84.25	4089	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	14.08	52.96	84.25	4085	0.00	0.19	0.1	0.8
WQTV	BASIN-2	BASE	14.17	52.94	84.25	4080	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.25	52.93	84.25	4076	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.33	52.91	84.25	4072	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.42	52.90	84.25	4068	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.50	52.89	84.25	4063	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.58	52.87	84.25	4059	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.67	52.86	84.25	4055	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.75	52.85	84.25	4051	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.83	52.84	84.25	4047	0.00	0.18	0.1	0.8
WQTV	BASIN-2	BASE	14.92	52.82	84.25	4042	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.00	52.81	84.25	4038	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.08	52.80	84.25	4034	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.17	52.78	84.25	4030	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.25	52.77	84.25	4026	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.33	52.76	84.25	4022	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.42	52.75	84.25	4018	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.50	52.73	84.25	4014	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.58	52.72	84.25	4010	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.67	52.71	84.25	4006	0.00	0.17	0.1	0.8
WQTV	BASIN-2	BASE	15.75	52.70	84.25	4002	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	15.83	52.68	84.25	3998	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	15.92	52.67	84.25	3994	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.00	52.66	84.25	3991	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.08	52.65	84.25	3987	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.17	52.63	84.25	3983	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.25	52.62	84.25	3979	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.33	52.61	84.25	3975	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.42	52.60	84.25	3972	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.50	52.59	84.25	3968	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.58	52.58	84.25	3964	0.00	0.16	0.1	0.8
WQTV	BASIN-2	BASE	16.67	52.56	84.25	3960	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	16.75	52.55	84.25	3957	0.00	0.15	0.1	0.8

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	16.83	52.54	84.25	3953	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	16.92	52.53	84.25	3949	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.00	52.52	84.25	3946	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.08	52.51	84.25	3942	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.17	52.49	84.25	3938	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.25	52.48	84.25	3935	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.33	52.47	84.25	3931	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.42	52.46	84.25	3928	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.50	52.45	84.25	3924	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.58	52.44	84.25	3920	0.00	0.15	0.1	0.8
WQTV	BASIN-2	BASE	17.67	52.43	84.25	3917	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	17.75	52.42	84.25	3913	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	17.83	52.41	84.25	3910	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	17.92	52.39	84.25	3906	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.00	52.38	84.25	3903	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.08	52.37	84.25	3899	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.17	52.36	84.25	3896	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.25	52.35	84.25	3893	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.33	52.34	84.25	3889	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.42	52.33	84.25	3886	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.50	52.32	84.25	3882	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.58	52.31	84.25	3879	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.67	52.30	84.25	3876	0.00	0.14	0.1	0.8
WQTV	BASIN-2	BASE	18.75	52.29	84.25	3872	0.00	0.13	0.1	0.8
WQTV	BASIN-2	BASE	18.83	52.28	84.25	3869	0.00	0.13	0.1	0.8
WQTV	BASIN-2	BASE	18.92	52.27	84.25	3866	0.00	0.13	0.1	0.8
WQTV	BASIN-2	BASE	19.00	52.26	84.25	3863	0.00	0.13	0.1	0.8
WQTV	BASIN-2	BASE	19.08	52.25	84.25	3859	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.17	52.24	84.25	3856	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.25	52.23	84.25	3853	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.33	52.22	84.25	3849	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.42	52.21	84.25	3846	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.50	52.20	84.25	3843	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.58	52.19	84.25	3840	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.67	52.18	84.25	3837	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.75	52.17	84.25	3834	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.83	52.16	84.25	3830	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	19.92	52.15	84.25	3827	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	20.00	52.14	84.25	3824	0.00	0.13	0.1	0.9
WQTV	BASIN-2	BASE	20.08	52.13	84.25	3821	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.17	52.12	84.25	3818	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.25	52.11	84.25	3815	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.33	52.10	84.25	3812	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.42	52.09	84.25	3809	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.50	52.08	84.25	3806	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.58	52.07	84.25	3803	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.67	52.06	84.25	3800	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.75	52.05	84.25	3797	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.83	52.04	84.25	3793	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	20.92	52.03	84.25	3791	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	21.00	52.02	84.25	3788	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	21.08	52.01	84.25	3785	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	21.17	52.00	84.25	3782	0.00	0.12	0.1	0.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	21.25	51.99	84.25	3779	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	21.33	51.98	84.25	3776	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	21.42	51.97	84.25	3774	0.00	0.12	0.1	0.9
WQTV	BASIN-2	BASE	21.50	51.96	84.25	3771	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	21.58	51.96	84.25	3769	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	21.67	51.95	84.25	3766	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	21.75	51.94	84.25	3763	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	21.83	51.93	84.25	3761	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	21.92	51.92	84.25	3758	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.00	51.91	84.25	3756	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.08	51.90	84.25	3753	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.17	51.89	84.25	3751	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.25	51.88	84.25	3748	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.33	51.88	84.25	3746	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.42	51.87	84.25	3743	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.50	51.86	84.25	3741	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.58	51.85	84.25	3738	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.67	51.84	84.25	3736	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.75	51.83	84.25	3733	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.83	51.82	84.25	3731	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	22.92	51.81	84.25	3729	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	23.00	51.81	84.25	3726	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	23.08	51.80	84.25	3724	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	23.17	51.79	84.25	3721	0.00	0.11	0.1	0.9
WQTV	BASIN-2	BASE	23.25	51.78	84.25	3719	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.33	51.77	84.25	3717	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.42	51.76	84.25	3714	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.50	51.76	84.25	3712	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.58	51.75	84.25	3709	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.67	51.74	84.25	3707	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.75	51.73	84.25	3705	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.83	51.72	84.25	3702	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	23.92	51.71	84.25	3700	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.00	51.71	84.25	3698	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.08	51.70	84.25	3695	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.17	51.69	84.25	3693	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.25	51.68	84.25	3691	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.33	51.67	84.25	3689	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.42	51.67	84.25	3686	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.50	51.66	84.25	3684	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.58	51.65	84.25	3682	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.67	51.64	84.25	3680	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.75	51.63	84.25	3677	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.83	51.63	84.25	3675	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	24.92	51.62	84.25	3673	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	25.00	51.61	84.25	3671	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	25.08	51.60	84.25	3668	0.00	0.10	0.1	0.9
WQTV	BASIN-2	BASE	25.17	51.59	84.25	3666	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.25	51.59	84.25	3664	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.33	51.58	84.25	3662	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.42	51.57	84.25	3660	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.50	51.56	84.25	3657	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.58	51.56	84.25	3655	0.00	0.09	0.1	0.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	25.67	51.55	84.25	3653	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.75	51.54	84.25	3651	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.83	51.53	84.25	3649	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	25.92	51.53	84.25	3647	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.00	51.52	84.25	3645	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.08	51.51	84.25	3642	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.17	51.50	84.25	3640	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.25	51.50	84.25	3638	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.33	51.49	84.25	3636	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.42	51.48	84.25	3634	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.50	51.47	84.25	3632	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.58	51.47	84.25	3630	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.67	51.46	84.25	3628	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.75	51.45	84.25	3626	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.83	51.44	84.25	3624	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	26.92	51.44	84.25	3622	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.00	51.43	84.25	3620	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.08	51.42	84.25	3618	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.17	51.42	84.25	3615	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.25	51.41	84.25	3613	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.33	51.40	84.25	3611	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.42	51.39	84.25	3609	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.50	51.39	84.25	3607	0.00	0.09	0.1	0.9
WQTV	BASIN-2	BASE	27.58	51.38	84.25	3605	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	27.67	51.37	84.25	3603	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	27.75	51.37	84.25	3601	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	27.83	51.36	84.25	3599	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	27.92	51.35	84.25	3597	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.00	51.34	84.25	3596	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.08	51.34	84.25	3594	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.17	51.33	84.25	3592	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.25	51.32	84.25	3590	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.33	51.32	84.25	3588	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.42	51.31	84.25	3586	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.50	51.30	84.25	3584	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.58	51.30	84.25	3582	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.67	51.29	84.25	3580	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.75	51.28	84.25	3578	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.83	51.28	84.25	3576	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	28.92	51.27	84.25	3574	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.00	51.26	84.25	3572	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.08	51.26	84.25	3570	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.17	51.25	84.25	3569	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.25	51.24	84.25	3567	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.33	51.24	84.25	3565	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.42	51.23	84.25	3563	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.50	51.22	84.25	3561	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.58	51.22	84.25	3559	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.67	51.21	84.25	3557	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.75	51.20	84.25	3556	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.83	51.20	84.25	3554	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	29.92	51.19	84.25	3552	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	30.00	51.18	84.25	3550	0.00	0.08	0.1	0.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	30.08	51.18	84.25	3548	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	30.17	51.17	84.25	3546	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	30.25	51.17	84.25	3545	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	30.33	51.16	84.25	3543	0.00	0.08	0.1	0.9
WQTV	BASIN-2	BASE	30.42	51.15	84.25	3541	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	30.50	51.15	84.25	3539	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	30.58	51.14	84.25	3537	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	30.67	51.13	84.25	3536	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	30.75	51.13	84.25	3534	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	30.83	51.12	84.25	3532	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	30.92	51.11	84.25	3530	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.00	51.11	84.25	3529	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.08	51.10	84.25	3527	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.17	51.10	84.25	3525	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.25	51.09	84.25	3523	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.33	51.08	84.25	3522	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.42	51.08	84.25	3520	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.50	51.07	84.25	3518	0.00	0.07	0.1	0.9
WQTV	BASIN-2	BASE	31.58	51.07	84.25	3516	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	31.67	51.06	84.25	3515	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	31.75	51.05	84.25	3513	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	31.83	51.05	84.25	3511	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	31.92	51.04	84.25	3510	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.00	51.04	84.25	3508	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.08	51.03	84.25	3506	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.17	51.02	84.25	3504	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.25	51.02	84.25	3503	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.33	51.01	84.25	3501	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.42	51.01	84.25	3499	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.50	51.00	84.25	3498	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.58	50.99	84.25	3496	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.67	50.99	84.25	3495	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.75	50.98	84.25	3493	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.83	50.98	84.25	3491	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	32.92	50.97	84.25	3490	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.00	50.96	84.25	3488	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.08	50.96	84.25	3487	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.17	50.95	84.25	3485	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.25	50.95	84.25	3483	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.33	50.94	84.25	3482	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.42	50.94	84.25	3480	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.50	50.93	84.25	3479	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.58	50.92	84.25	3477	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.67	50.92	84.25	3476	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.75	50.91	84.25	3474	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.83	50.91	84.25	3472	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	33.92	50.90	84.25	3471	0.00	0.07	0.1	1.0
WQTV	BASIN-2	BASE	34.00	50.90	84.25	3469	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.08	50.89	84.25	3468	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.17	50.88	84.25	3466	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.25	50.88	84.25	3465	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.33	50.87	84.25	3463	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.42	50.87	84.25	3462	0.00	0.06	0.1	1.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	34.50	50.86	84.25	3460	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.58	50.86	84.25	3459	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.67	50.85	84.25	3457	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.75	50.85	84.25	3456	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.83	50.84	84.25	3454	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	34.92	50.84	84.25	3453	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.00	50.83	84.25	3451	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.08	50.82	84.25	3450	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.17	50.82	84.25	3448	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.25	50.81	84.25	3447	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.33	50.81	84.25	3445	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.42	50.80	84.25	3444	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.50	50.80	84.25	3442	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.58	50.79	84.25	3441	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.67	50.79	84.25	3439	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.75	50.78	84.25	3438	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.83	50.78	84.25	3436	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	35.92	50.77	84.25	3435	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.00	50.77	84.25	3434	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.08	50.76	84.25	3432	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.17	50.76	84.25	3431	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.25	50.75	84.25	3429	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.33	50.74	84.25	3428	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.42	50.74	84.25	3426	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.50	50.73	84.25	3425	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.58	50.73	84.25	3424	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.67	50.72	84.25	3422	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.75	50.72	84.25	3421	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.83	50.71	84.25	3419	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	36.92	50.71	84.25	3418	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.00	50.70	84.25	3417	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.08	50.70	84.25	3415	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.17	50.69	84.25	3414	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.25	50.69	84.25	3412	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.33	50.68	84.25	3411	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.42	50.68	84.25	3410	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.50	50.67	84.25	3408	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.58	50.67	84.25	3407	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.67	50.66	84.25	3405	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.75	50.66	84.25	3404	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.83	50.65	84.25	3403	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	37.92	50.65	84.25	3401	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.00	50.64	84.25	3400	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.08	50.64	84.25	3399	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.17	50.63	84.25	3397	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.25	50.63	84.25	3396	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.33	50.62	84.25	3395	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.42	50.62	84.25	3393	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.50	50.61	84.25	3392	0.00	0.06	0.1	1.0
WQTV	BASIN-2	BASE	38.58	50.61	84.25	3391	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	38.67	50.60	84.25	3389	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	38.75	50.60	84.25	3388	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	38.83	50.59	84.25	3387	0.00	0.05	0.1	1.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	38.92	50.59	84.25	3385	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.00	50.58	84.25	3384	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.08	50.58	84.25	3383	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.17	50.58	84.25	3381	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.25	50.57	84.25	3380	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.33	50.57	84.25	3379	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.42	50.56	84.25	3377	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.50	50.56	84.25	3376	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.58	50.55	84.25	3375	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.67	50.55	84.25	3374	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.75	50.54	84.25	3372	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.83	50.54	84.25	3371	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	39.92	50.53	84.25	3370	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.00	50.53	84.25	3368	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.08	50.52	84.25	3367	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.17	50.52	84.25	3366	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.25	50.51	84.25	3365	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.33	50.51	84.25	3363	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.42	50.51	84.25	3362	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.50	50.50	84.25	3361	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.58	50.50	84.25	3360	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.67	50.49	84.25	3358	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.75	50.49	84.25	3357	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.83	50.48	84.25	3356	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	40.92	50.48	84.25	3355	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.00	50.47	84.25	3353	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.08	50.47	84.25	3352	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.17	50.46	84.25	3351	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.25	50.46	84.25	3350	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.33	50.46	84.25	3348	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.42	50.45	84.25	3347	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.50	50.45	84.25	3346	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.58	50.44	84.25	3345	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.67	50.44	84.25	3343	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.75	50.43	84.25	3342	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.83	50.43	84.25	3341	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	41.92	50.42	84.25	3340	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.00	50.42	84.25	3339	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.08	50.42	84.25	3337	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.17	50.41	84.25	3336	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.25	50.41	84.25	3335	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.33	50.40	84.25	3334	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.42	50.40	84.25	3333	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.50	50.39	84.25	3331	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.58	50.39	84.25	3330	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.67	50.38	84.25	3329	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.75	50.38	84.25	3328	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.83	50.38	84.25	3327	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	42.92	50.37	84.25	3325	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.00	50.37	84.25	3324	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.08	50.36	84.25	3323	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.17	50.36	84.25	3322	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.25	50.35	84.25	3321	0.00	0.05	0.1	1.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	43.33	50.35	84.25	3320	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.42	50.35	84.25	3318	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.50	50.34	84.25	3317	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.58	50.34	84.25	3316	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.67	50.33	84.25	3315	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.75	50.33	84.25	3314	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.83	50.33	84.25	3313	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	43.92	50.32	84.25	3312	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.00	50.32	84.25	3310	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.08	50.31	84.25	3309	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.17	50.31	84.25	3308	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.25	50.30	84.25	3307	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.33	50.30	84.25	3306	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.42	50.30	84.25	3305	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.50	50.29	84.25	3304	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.58	50.29	84.25	3302	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.67	50.28	84.25	3301	0.00	0.05	0.1	1.0
WQTV	BASIN-2	BASE	44.75	50.28	84.25	3300	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	44.83	50.28	84.25	3299	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	44.92	50.27	84.25	3298	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.00	50.27	84.25	3297	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.08	50.26	84.25	3296	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.17	50.26	84.25	3295	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.25	50.26	84.25	3294	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.33	50.25	84.25	3292	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.42	50.25	84.25	3291	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.50	50.24	84.25	3290	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.58	50.24	84.25	3289	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.67	50.24	84.25	3288	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.75	50.23	84.25	3287	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.83	50.23	84.25	3286	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	45.92	50.22	84.25	3285	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.00	50.22	84.25	3284	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.08	50.22	84.25	3283	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.17	50.21	84.25	3282	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.25	50.21	84.25	3280	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.33	50.20	84.25	3279	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.42	50.20	84.25	3278	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.50	50.20	84.25	3277	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.58	50.19	84.25	3276	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.67	50.19	84.25	3275	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.75	50.18	84.25	3274	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.83	50.18	84.25	3273	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	46.92	50.18	84.25	3272	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.00	50.17	84.25	3271	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.08	50.17	84.25	3270	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.17	50.17	84.25	3269	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.25	50.16	84.25	3268	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.33	50.16	84.25	3267	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.42	50.15	84.25	3266	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.50	50.15	84.25	3265	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.58	50.15	84.25	3264	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.67	50.14	84.25	3262	0.00	0.04	0.1	1.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	47.75	50.14	84.25	3261	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.83	50.13	84.25	3260	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	47.92	50.13	84.25	3259	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.00	50.13	84.25	3258	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.08	50.12	84.25	3257	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.17	50.12	84.25	3256	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.25	50.12	84.25	3255	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.33	50.11	84.25	3254	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.42	50.11	84.25	3253	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.50	50.10	84.25	3252	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.58	50.10	84.25	3251	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.67	50.10	84.25	3250	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.75	50.09	84.25	3249	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.83	50.09	84.25	3248	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	48.92	50.09	84.25	3247	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.00	50.08	84.25	3246	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.08	50.08	84.25	3245	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.17	50.08	84.25	3244	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.25	50.07	84.25	3243	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.33	50.07	84.25	3242	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.42	50.06	84.25	3241	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.50	50.06	84.25	3240	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.58	50.06	84.25	3239	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.67	50.05	84.25	3238	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.75	50.05	84.25	3237	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.83	50.05	84.25	3236	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	49.92	50.04	84.25	3235	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.00	50.04	84.25	3234	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.08	50.04	84.25	3233	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.17	50.03	84.25	3232	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.25	50.03	84.25	3231	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.33	50.03	84.25	3230	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.42	50.02	84.25	3229	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.50	50.02	84.25	3228	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.58	50.01	84.25	3227	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.67	50.01	84.25	3226	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.75	50.01	84.25	3225	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.83	50.00	84.25	3225	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	50.92	50.00	84.25	3224	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.00	50.00	84.25	3223	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.08	49.99	84.25	3222	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.17	49.99	84.25	3221	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.25	49.99	84.25	3220	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.33	49.98	84.25	3219	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.42	49.98	84.25	3218	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.50	49.98	84.25	3217	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.58	49.97	84.25	3216	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.67	49.97	84.25	3215	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.75	49.97	84.25	3214	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.83	49.96	84.25	3213	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	51.92	49.96	84.25	3212	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.00	49.96	84.25	3211	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.08	49.95	84.25	3210	0.00	0.04	0.1	1.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	52.17	49.95	84.25	3209	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.25	49.95	84.25	3208	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.33	49.94	84.25	3207	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.42	49.94	84.25	3206	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.50	49.94	84.25	3205	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.58	49.93	84.25	3204	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.67	49.93	84.25	3203	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.75	49.93	84.25	3202	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.83	49.92	84.25	3201	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	52.92	49.92	84.25	3200	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.00	49.92	84.25	3199	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.08	49.91	84.25	3198	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.17	49.91	84.25	3197	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.25	49.91	84.25	3196	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.33	49.90	84.25	3195	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.42	49.90	84.25	3194	0.00	0.04	0.1	1.0
WQTV	BASIN-2	BASE	53.50	49.90	84.25	3193	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	53.58	49.89	84.25	3192	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	53.67	49.89	84.25	3191	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	53.75	49.89	84.25	3191	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	53.83	49.88	84.25	3190	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	53.92	49.88	84.25	3189	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.00	49.88	84.25	3188	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.08	49.87	84.25	3187	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.17	49.87	84.25	3186	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.25	49.87	84.25	3185	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.33	49.86	84.25	3184	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.42	49.86	84.25	3183	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.50	49.86	84.25	3182	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.58	49.85	84.25	3181	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.67	49.85	84.25	3180	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.75	49.85	84.25	3179	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.83	49.84	84.25	3178	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	54.92	49.84	84.25	3178	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.00	49.84	84.25	3177	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.08	49.83	84.25	3176	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.17	49.83	84.25	3175	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.25	49.83	84.25	3174	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.33	49.82	84.25	3173	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.42	49.82	84.25	3172	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.50	49.82	84.25	3171	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.58	49.82	84.25	3170	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.67	49.81	84.25	3169	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.75	49.81	84.25	3169	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.83	49.81	84.25	3168	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	55.92	49.80	84.25	3167	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.00	49.80	84.25	3166	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.08	49.80	84.25	3165	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.17	49.79	84.25	3164	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.25	49.79	84.25	3163	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.33	49.79	84.25	3162	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.42	49.78	84.25	3161	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.50	49.78	84.25	3161	0.00	0.03	0.1	1.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	56.58	49.78	84.25	3160	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.67	49.77	84.25	3159	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.75	49.77	84.25	3158	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.83	49.77	84.25	3157	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	56.92	49.77	84.25	3156	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	57.00	49.76	84.25	3155	0.00	0.03	0.1	1.0
WQTV	BASIN-2	BASE	57.08	49.76	84.25	3154	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.17	49.76	84.25	3153	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.25	49.75	84.25	3153	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.33	49.75	84.25	3152	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.42	49.75	84.25	3151	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.50	49.74	84.25	3150	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.58	49.74	84.25	3149	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.67	49.74	84.25	3148	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.75	49.74	84.25	3147	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.83	49.73	84.25	3147	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	57.92	49.73	84.25	3146	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.00	49.73	84.25	3145	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.08	49.72	84.25	3144	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.17	49.72	84.25	3143	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.25	49.72	84.25	3142	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.33	49.71	84.25	3141	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.42	49.71	84.25	3141	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.50	49.71	84.25	3140	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.58	49.71	84.25	3139	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.67	49.70	84.25	3138	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.75	49.70	84.25	3137	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.83	49.70	84.25	3136	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	58.92	49.69	84.25	3136	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.00	49.69	84.25	3135	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.08	49.69	84.25	3134	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.17	49.69	84.25	3133	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.25	49.68	84.25	3132	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.33	49.68	84.25	3131	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.42	49.68	84.25	3131	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.50	49.67	84.25	3130	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.58	49.67	84.25	3129	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.67	49.67	84.25	3128	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.75	49.67	84.25	3127	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.83	49.66	84.25	3126	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	59.92	49.66	84.25	3126	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.00	49.66	84.25	3125	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.08	49.65	84.25	3124	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.17	49.65	84.25	3123	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.25	49.65	84.25	3122	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.33	49.65	84.25	3122	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.42	49.64	84.25	3121	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.50	49.64	84.25	3120	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.58	49.64	84.25	3119	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.67	49.63	84.25	3118	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.75	49.63	84.25	3117	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.83	49.63	84.25	3117	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	60.92	49.63	84.25	3116	0.00	0.03	0.1	1.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	61.00	49.62	84.25	3115	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.08	49.62	84.25	3114	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.17	49.62	84.25	3113	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.25	49.61	84.25	3113	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.33	49.61	84.25	3112	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.42	49.61	84.25	3111	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.50	49.61	84.25	3110	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.58	49.60	84.25	3110	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.67	49.60	84.25	3109	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.75	49.60	84.25	3108	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.83	49.60	84.25	3107	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	61.92	49.59	84.25	3106	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.00	49.59	84.25	3106	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.08	49.59	84.25	3105	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.17	49.58	84.25	3104	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.25	49.58	84.25	3103	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.33	49.58	84.25	3102	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.42	49.58	84.25	3102	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.50	49.57	84.25	3101	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.58	49.57	84.25	3100	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.67	49.57	84.25	3099	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.75	49.57	84.25	3099	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.83	49.56	84.25	3098	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	62.92	49.56	84.25	3097	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.00	49.56	84.25	3096	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.08	49.55	84.25	3095	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.17	49.55	84.25	3095	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.25	49.55	84.25	3094	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.33	49.55	84.25	3093	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.42	49.54	84.25	3092	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.50	49.54	84.25	3092	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.58	49.54	84.25	3091	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.67	49.54	84.25	3090	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.75	49.53	84.25	3089	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.83	49.53	84.25	3089	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	63.92	49.53	84.25	3088	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.00	49.53	84.25	3087	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.08	49.52	84.25	3086	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.17	49.52	84.25	3086	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.25	49.52	84.25	3085	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.33	49.52	84.25	3084	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.42	49.51	84.25	3083	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.50	49.51	84.25	3083	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.58	49.51	84.25	3082	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.67	49.50	84.25	3081	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.75	49.50	84.25	3080	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.83	49.50	84.25	3080	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	64.92	49.50	84.25	3079	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.00	49.49	84.25	3078	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.08	49.49	84.25	3077	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.17	49.49	84.25	3077	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.25	49.49	84.25	3076	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.33	49.48	84.25	3075	0.00	0.03	0.1	1.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	65.42	49.48	84.25	3074	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.50	49.48	84.25	3074	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.58	49.48	84.25	3073	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.67	49.47	84.25	3072	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.75	49.47	84.25	3072	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.83	49.47	84.25	3071	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	65.92	49.47	84.25	3070	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.00	49.46	84.25	3069	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.08	49.46	84.25	3069	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.17	49.46	84.25	3068	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.25	49.46	84.25	3067	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.33	49.45	84.25	3066	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.42	49.45	84.25	3066	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.50	49.45	84.25	3065	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.58	49.45	84.25	3064	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.67	49.44	84.25	3064	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.75	49.44	84.25	3063	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.83	49.44	84.25	3062	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	66.92	49.44	84.25	3061	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	67.00	49.43	84.25	3061	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	67.08	49.43	84.25	3060	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	67.17	49.43	84.25	3059	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	67.25	49.43	84.25	3059	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	67.33	49.42	84.25	3058	0.00	0.03	0.1	1.1
WQTV	BASIN-2	BASE	67.42	49.42	84.25	3057	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	67.50	49.42	84.25	3057	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	67.58	49.42	84.25	3056	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	67.67	49.41	84.25	3055	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	67.75	49.41	84.25	3054	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	67.83	49.41	84.25	3054	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	67.92	49.41	84.25	3053	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.00	49.40	84.25	3052	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.08	49.40	84.25	3052	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.17	49.40	84.25	3051	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.25	49.40	84.25	3050	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.33	49.40	84.25	3050	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.42	49.39	84.25	3049	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.50	49.39	84.25	3048	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.58	49.39	84.25	3047	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.67	49.39	84.25	3047	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.75	49.38	84.25	3046	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.83	49.38	84.25	3045	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	68.92	49.38	84.25	3045	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.00	49.38	84.25	3044	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.08	49.37	84.25	3043	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.17	49.37	84.25	3043	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.25	49.37	84.25	3042	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.33	49.37	84.25	3041	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.42	49.36	84.25	3041	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.50	49.36	84.25	3040	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.58	49.36	84.25	3039	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.67	49.36	84.25	3039	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.75	49.35	84.25	3038	0.00	0.02	0.1	1.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-2	BASE	69.83	49.35	84.25	3037	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	69.92	49.35	84.25	3037	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.00	49.35	84.25	3036	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.08	49.35	84.25	3035	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.17	49.34	84.25	3035	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.25	49.34	84.25	3034	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.33	49.34	84.25	3033	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.42	49.34	84.25	3033	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.50	49.33	84.25	3032	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.58	49.33	84.25	3031	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.67	49.33	84.25	3031	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.75	49.33	84.25	3030	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.83	49.32	84.25	3029	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	70.92	49.32	84.25	3029	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.00	49.32	84.25	3028	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.08	49.32	84.25	3027	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.17	49.32	84.25	3027	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.25	49.31	84.25	3026	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.33	49.31	84.25	3025	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.42	49.31	84.25	3025	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.50	49.31	84.25	3024	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.58	49.30	84.25	3023	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.67	49.30	84.25	3023	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.75	49.30	84.25	3022	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.83	49.30	84.25	3021	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	71.92	49.29	84.25	3021	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.00	49.29	84.25	3020	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.08	49.29	84.25	3019	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.17	49.29	84.25	3019	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.25	49.29	84.25	3018	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.33	49.28	84.25	3018	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.42	49.28	84.25	3017	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.50	49.28	84.25	3016	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.58	49.28	84.25	3016	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.67	49.27	84.25	3015	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.75	49.27	84.25	3014	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.83	49.27	84.25	3014	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	72.92	49.27	84.25	3013	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.00	49.27	84.25	3012	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.08	49.26	84.25	3012	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.17	49.26	84.25	3011	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.25	49.26	84.25	3011	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.33	49.26	84.25	3010	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.42	49.25	84.25	3009	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.50	49.25	84.25	3009	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.58	49.25	84.25	3008	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.67	49.25	84.25	3007	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.75	49.25	84.25	3007	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.83	49.24	84.25	3006	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	73.92	49.24	84.25	3005	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.00	49.24	84.25	3005	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.08	49.24	84.25	3004	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.17	49.24	84.25	3004	0.00	0.02	0.1	1.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-2	BASE	74.25	49.23	84.25	3003	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.33	49.23	84.25	3002	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.42	49.23	84.25	3002	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.50	49.23	84.25	3001	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.58	49.22	84.25	3001	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.67	49.22	84.25	3000	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.75	49.22	84.25	2999	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.83	49.22	84.25	2999	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	74.92	49.22	84.25	2998	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.00	49.21	84.25	2997	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.08	49.21	84.25	2997	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.17	49.21	84.25	2996	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.25	49.21	84.25	2996	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.33	49.21	84.25	2995	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.42	49.20	84.25	2994	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.50	49.20	84.25	2994	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.58	49.20	84.25	2993	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.67	49.20	84.25	2993	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.75	49.19	84.25	2992	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.83	49.19	84.25	2991	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	75.92	49.19	84.25	2991	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.00	49.19	84.25	2990	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.08	49.19	84.25	2990	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.17	49.18	84.25	2989	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.25	49.18	84.25	2988	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.33	49.18	84.25	2988	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.42	49.18	84.25	2987	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.50	49.18	84.25	2987	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.58	49.17	84.25	2986	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.67	49.17	84.25	2985	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.75	49.17	84.25	2985	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.83	49.17	84.25	2984	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	76.92	49.17	84.25	2984	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.00	49.16	84.25	2983	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.08	49.16	84.25	2982	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.17	49.16	84.25	2982	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.25	49.16	84.25	2981	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.33	49.16	84.25	2981	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.42	49.15	84.25	2980	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.50	49.15	84.25	2979	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.58	49.15	84.25	2979	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.67	49.15	84.25	2978	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.75	49.15	84.25	2978	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.83	49.14	84.25	2977	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	77.92	49.14	84.25	2977	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.00	49.14	84.25	2976	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.08	49.14	84.25	2975	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.17	49.14	84.25	2975	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.25	49.13	84.25	2974	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.33	49.13	84.25	2974	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.42	49.13	84.25	2973	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.50	49.13	84.25	2973	0.00	0.02	0.1	1.1
WQTV	BASIN-2	BASE	78.58	49.13	84.25	2972	0.00	0.02	0.1	1.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-2	BASE	78.67	49.12	84.25	2971	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	78.75	49.12	84.25	2971	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	78.83	49.12	84.25	2970	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	78.92	49.12	84.25	2970	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.00	49.12	84.25	2969	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.08	49.11	84.25	2968	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.17	49.11	84.25	2968	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.25	49.11	84.25	2967	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.33	49.11	84.25	2967	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.42	49.11	84.25	2966	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.50	49.10	84.25	2966	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.58	49.10	84.25	2965	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.67	49.10	84.25	2965	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.75	49.10	84.25	2964	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.83	49.10	84.25	2963	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	79.92	49.09	84.25	2963	0.00	0.02	0.1	1.1	
WQTV	BASIN-2	BASE	80.00	49.09	84.25	2962	0.00	0.02	0.1	1.1	BASIN-2 WQTV

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	0.00	81.53	88.00	218783	0.00	0.00	0.0	0.0
WQTV	BASIN-3	BASE	0.08	81.53	88.00	218525	0.00	2.53	0.0	0.0
WQTV	BASIN-3	BASE	0.17	81.52	88.00	218269	0.00	2.53	0.0	0.0
WQTV	BASIN-3	BASE	0.25	81.52	88.00	218013	0.00	2.52	0.0	0.0
WQTV	BASIN-3	BASE	0.33	81.52	88.00	217757	0.00	2.52	0.0	0.1
WQTV	BASIN-3	BASE	0.42	81.51	88.00	217500	0.00	2.52	0.0	0.1
WQTV	BASIN-3	BASE	0.50	81.51	88.00	217244	0.00	2.51	0.0	0.1
WQTV	BASIN-3	BASE	0.58	81.51	88.00	216988	0.00	2.51	0.0	0.1
WQTV	BASIN-3	BASE	0.67	81.50	88.00	216731	0.00	2.51	0.0	0.1
WQTV	BASIN-3	BASE	0.75	81.50	88.00	216475	0.00	2.51	0.0	0.1
WQTV	BASIN-3	BASE	0.83	81.50	88.00	216218	0.00	2.50	0.0	0.2
WQTV	BASIN-3	BASE	0.92	81.49	88.00	215957	0.00	2.50	0.0	0.2
WQTV	BASIN-3	BASE	1.00	81.49	88.00	215704	0.00	2.50	0.0	0.2
WQTV	BASIN-3	BASE	1.09	81.48	88.00	215443	0.00	2.49	0.0	0.2
WQTV	BASIN-3	BASE	1.17	81.48	88.00	215188	0.00	2.49	0.0	0.2
WQTV	BASIN-3	BASE	1.25	81.48	88.00	214929	0.00	2.49	0.0	0.3
WQTV	BASIN-3	BASE	1.33	81.47	88.00	214679	0.00	2.48	0.0	0.3
WQTV	BASIN-3	BASE	1.42	81.47	88.00	214421	0.00	2.48	0.0	0.3
WQTV	BASIN-3	BASE	1.50	81.47	88.00	214162	0.00	2.48	0.0	0.3
WQTV	BASIN-3	BASE	1.59	81.46	88.00	213901	0.00	2.48	0.0	0.3
WQTV	BASIN-3	BASE	1.67	81.46	88.00	213651	0.00	2.47	0.0	0.3
WQTV	BASIN-3	BASE	1.75	81.46	88.00	213390	0.00	2.47	0.0	0.4
WQTV	BASIN-3	BASE	1.83	81.45	88.00	213140	0.00	2.47	0.0	0.4
WQTV	BASIN-3	BASE	1.92	81.45	88.00	212879	0.00	2.46	0.0	0.4
WQTV	BASIN-3	BASE	2.00	81.45	88.00	212629	0.00	2.46	0.0	0.4
WQTV	BASIN-3	BASE	2.09	81.44	88.00	212363	0.00	2.46	0.0	0.4
WQTV	BASIN-3	BASE	2.17	81.44	88.00	212115	0.00	2.46	0.0	0.4
WQTV	BASIN-3	BASE	2.25	81.44	88.00	211855	0.00	2.45	0.0	0.5
WQTV	BASIN-3	BASE	2.34	81.43	88.00	211594	0.00	2.45	0.0	0.5
WQTV	BASIN-3	BASE	2.42	81.43	88.00	211346	0.00	2.45	0.0	0.5
WQTV	BASIN-3	BASE	2.50	81.43	88.00	211086	0.00	2.44	0.0	0.5
WQTV	BASIN-3	BASE	2.59	81.42	88.00	210825	0.00	2.44	0.0	0.5
WQTV	BASIN-3	BASE	2.67	81.42	88.00	210577	0.00	2.44	0.0	0.5
WQTV	BASIN-3	BASE	2.75	81.42	88.00	210317	0.00	2.43	0.0	0.6

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	2.84	81.41	88.00	210049	0.00	2.43	0.0	0.6
WQTV	BASIN-3	BASE	2.92	81.41	88.00	209805	0.00	2.43	0.0	0.6
WQTV	BASIN-3	BASE	3.00	81.40	88.00	209544	0.00	2.43	0.0	0.6
WQTV	BASIN-3	BASE	3.09	81.40	88.00	209284	0.00	2.42	0.0	0.6
WQTV	BASIN-3	BASE	3.17	81.40	88.00	209023	0.00	2.42	0.0	0.6
WQTV	BASIN-3	BASE	3.25	81.39	88.00	208778	0.00	2.42	0.0	0.7
WQTV	BASIN-3	BASE	3.34	81.39	88.00	208518	0.00	2.41	0.0	0.7
WQTV	BASIN-3	BASE	3.42	81.39	88.00	208257	0.00	2.41	0.0	0.7
WQTV	BASIN-3	BASE	3.50	81.38	88.00	208013	0.00	2.41	0.0	0.7
WQTV	BASIN-3	BASE	3.58	81.38	88.00	207752	0.00	2.40	0.0	0.7
WQTV	BASIN-3	BASE	3.67	81.38	88.00	207491	0.00	2.40	0.0	0.7
WQTV	BASIN-3	BASE	3.75	81.37	88.00	207230	0.00	2.40	0.0	0.8
WQTV	BASIN-3	BASE	3.83	81.37	88.00	206986	0.00	2.40	0.0	0.8
WQTV	BASIN-3	BASE	3.92	81.37	88.00	206721	0.00	2.39	0.0	0.8
WQTV	BASIN-3	BASE	4.01	81.36	88.00	206457	0.00	2.39	0.0	0.8
WQTV	BASIN-3	BASE	4.09	81.36	88.00	206212	0.00	2.39	0.0	0.8
WQTV	BASIN-3	BASE	4.17	81.36	88.00	205947	0.00	2.38	0.0	0.8
WQTV	BASIN-3	BASE	4.25	81.35	88.00	205703	0.00	2.38	0.0	0.9
WQTV	BASIN-3	BASE	4.34	81.35	88.00	205438	0.00	2.38	0.0	0.9
WQTV	BASIN-3	BASE	4.42	81.35	88.00	205173	0.00	2.37	0.0	0.9
WQTV	BASIN-3	BASE	4.50	81.34	88.00	204929	0.00	2.37	0.0	0.9
WQTV	BASIN-3	BASE	4.59	81.34	88.00	204664	0.00	2.37	0.0	0.9
WQTV	BASIN-3	BASE	4.67	81.34	88.00	204420	0.00	2.37	0.0	0.9
WQTV	BASIN-3	BASE	4.75	81.33	88.00	204155	0.00	2.36	0.0	1.0
WQTV	BASIN-3	BASE	4.84	81.33	88.00	203890	0.00	2.36	0.0	1.0
WQTV	BASIN-3	BASE	4.92	81.33	88.00	203646	0.00	2.36	0.0	1.0
WQTV	BASIN-3	BASE	5.01	81.32	88.00	203381	0.00	2.35	0.0	1.0
WQTV	BASIN-3	BASE	5.09	81.32	88.00	203126	0.00	2.35	0.0	1.0
WQTV	BASIN-3	BASE	5.17	81.31	88.00	202872	0.00	2.35	0.0	1.0
WQTV	BASIN-3	BASE	5.25	81.31	88.00	202617	0.00	2.35	0.0	1.1
WQTV	BASIN-3	BASE	5.34	81.31	88.00	202363	0.00	2.34	0.0	1.1
WQTV	BASIN-3	BASE	5.42	81.30	88.00	202108	0.00	2.34	0.0	1.1
WQTV	BASIN-3	BASE	5.50	81.30	88.00	201853	0.00	2.34	0.0	1.1
WQTV	BASIN-3	BASE	5.58	81.30	88.00	201599	0.00	2.33	0.0	1.1
WQTV	BASIN-3	BASE	5.67	81.29	88.00	201344	0.00	2.33	0.0	1.1
WQTV	BASIN-3	BASE	5.75	81.29	88.00	201090	0.00	2.33	0.0	1.1
WQTV	BASIN-3	BASE	5.84	81.29	88.00	200810	0.00	2.32	0.0	1.2
WQTV	BASIN-3	BASE	5.92	81.28	88.00	200555	0.00	2.32	0.0	1.2
WQTV	BASIN-3	BASE	6.01	81.28	88.00	200300	0.00	2.32	0.0	1.2
WQTV	BASIN-3	BASE	6.09	81.28	88.00	200046	0.00	2.32	0.0	1.2
WQTV	BASIN-3	BASE	6.17	81.27	88.00	199791	0.00	2.31	0.0	1.2
WQTV	BASIN-3	BASE	6.25	81.27	88.00	199537	0.00	2.31	0.0	1.2
WQTV	BASIN-3	BASE	6.34	81.27	88.00	199282	0.00	2.31	0.0	1.3
WQTV	BASIN-3	BASE	6.42	81.26	88.00	199027	0.00	2.30	0.0	1.3
WQTV	BASIN-3	BASE	6.50	81.26	88.00	198773	0.00	2.30	0.0	1.3
WQTV	BASIN-3	BASE	6.59	81.26	88.00	198518	0.00	2.30	0.0	1.3
WQTV	BASIN-3	BASE	6.67	81.25	88.00	198264	0.00	2.29	0.0	1.3
WQTV	BASIN-3	BASE	6.75	81.25	88.00	198009	0.00	2.29	0.0	1.3
WQTV	BASIN-3	BASE	6.83	81.25	88.00	197754	0.00	2.29	0.0	1.4
WQTV	BASIN-3	BASE	6.92	81.24	88.00	197497	0.00	2.29	0.0	1.4
WQTV	BASIN-3	BASE	7.00	81.24	88.00	197241	0.00	2.28	0.0	1.4
WQTV	BASIN-3	BASE	7.08	81.23	88.00	196985	0.00	2.28	0.0	1.4
WQTV	BASIN-3	BASE	7.17	81.23	88.00	196728	0.00	2.28	0.0	1.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-3	BASE	7.25	81.23	88.00	196472	0.00	2.27	0.0	1.4
WQTV	BASIN-3	BASE	7.33	81.22	88.00	196215	0.00	2.27	0.0	1.4
WQTV	BASIN-3	BASE	7.42	81.22	88.00	195959	0.00	2.27	0.0	1.5
WQTV	BASIN-3	BASE	7.50	81.22	88.00	195702	0.00	2.27	0.0	1.5
WQTV	BASIN-3	BASE	7.58	81.21	88.00	195446	0.00	2.26	0.0	1.5
WQTV	BASIN-3	BASE	7.67	81.21	88.00	195190	0.00	2.26	0.0	1.5
WQTV	BASIN-3	BASE	7.75	81.21	88.00	194933	0.00	2.26	0.0	1.5
WQTV	BASIN-3	BASE	7.83	81.20	88.00	194677	0.00	2.25	0.0	1.5
WQTV	BASIN-3	BASE	7.92	81.20	88.00	194420	0.00	2.25	0.0	1.6
WQTV	BASIN-3	BASE	8.00	81.20	88.00	194164	0.00	2.25	0.0	1.6
WQTV	BASIN-3	BASE	8.08	81.19	88.00	193907	0.00	2.24	0.0	1.6
WQTV	BASIN-3	BASE	8.17	81.19	88.00	193651	0.00	2.24	0.0	1.6
WQTV	BASIN-3	BASE	8.25	81.19	88.00	193394	0.00	2.24	0.0	1.6
WQTV	BASIN-3	BASE	8.33	81.18	88.00	193138	0.00	2.24	0.0	1.6
WQTV	BASIN-3	BASE	8.42	81.18	88.00	192882	0.00	2.23	0.0	1.6
WQTV	BASIN-3	BASE	8.50	81.18	88.00	192625	0.00	2.23	0.0	1.7
WQTV	BASIN-3	BASE	8.58	81.17	88.00	192369	0.00	2.23	0.0	1.7
WQTV	BASIN-3	BASE	8.67	81.17	88.00	192112	0.00	2.22	0.0	1.7
WQTV	BASIN-3	BASE	8.75	81.17	88.00	191856	0.00	2.22	0.0	1.7
WQTV	BASIN-3	BASE	8.83	81.16	88.00	191599	0.00	2.22	0.0	1.7
WQTV	BASIN-3	BASE	8.92	81.16	88.00	191343	0.00	2.21	0.0	1.7
WQTV	BASIN-3	BASE	9.00	81.15	88.00	191087	0.00	2.21	0.0	1.8
WQTV	BASIN-3	BASE	9.08	81.15	88.00	190830	0.00	2.21	0.0	1.8
WQTV	BASIN-3	BASE	9.17	81.15	88.00	190574	0.00	2.21	0.0	1.8
WQTV	BASIN-3	BASE	9.25	81.14	88.00	190317	0.00	2.20	0.0	1.8
WQTV	BASIN-3	BASE	9.33	81.14	88.00	190061	0.00	2.20	0.0	1.8
WQTV	BASIN-3	BASE	9.42	81.14	88.00	189804	0.00	2.20	0.0	1.8
WQTV	BASIN-3	BASE	9.50	81.13	88.00	189548	0.00	2.19	0.0	1.8
WQTV	BASIN-3	BASE	9.58	81.13	88.00	189292	0.00	2.19	0.0	1.9
WQTV	BASIN-3	BASE	9.67	81.13	88.00	189035	0.00	2.19	0.0	1.9
WQTV	BASIN-3	BASE	9.75	81.12	88.00	188779	0.00	2.18	0.0	1.9
WQTV	BASIN-3	BASE	9.83	81.12	88.00	188522	0.00	2.18	0.0	1.9
WQTV	BASIN-3	BASE	9.92	81.12	88.00	188266	0.00	2.18	0.0	1.9
WQTV	BASIN-3	BASE	10.00	81.11	88.00	188009	0.00	2.18	0.0	1.9
WQTV	BASIN-3	BASE	10.08	81.11	88.00	187753	0.00	2.17	0.0	2.0
WQTV	BASIN-3	BASE	10.17	81.11	88.00	187497	0.00	2.17	0.0	2.0
WQTV	BASIN-3	BASE	10.25	81.10	88.00	187240	0.00	2.17	0.0	2.0
WQTV	BASIN-3	BASE	10.33	81.10	88.00	186984	0.00	2.16	0.0	2.0
WQTV	BASIN-3	BASE	10.42	81.10	88.00	186727	0.00	2.16	0.0	2.0
WQTV	BASIN-3	BASE	10.50	81.09	88.00	186471	0.00	2.16	0.0	2.0
WQTV	BASIN-3	BASE	10.58	81.09	88.00	186214	0.00	2.16	0.0	2.0
WQTV	BASIN-3	BASE	10.67	81.09	88.00	185958	0.00	2.15	0.0	2.1
WQTV	BASIN-3	BASE	10.75	81.08	88.00	185702	0.00	2.15	0.0	2.1
WQTV	BASIN-3	BASE	10.83	81.08	88.00	185445	0.00	2.15	0.0	2.1
WQTV	BASIN-3	BASE	10.92	81.08	88.00	185189	0.00	2.14	0.0	2.1
WQTV	BASIN-3	BASE	11.00	81.07	88.00	184932	0.00	2.14	0.0	2.1
WQTV	BASIN-3	BASE	11.08	81.07	88.00	184676	0.00	2.14	0.0	2.1
WQTV	BASIN-3	BASE	11.17	81.06	88.00	184419	0.00	2.13	0.0	2.1
WQTV	BASIN-3	BASE	11.25	81.06	88.00	184163	0.00	2.13	0.0	2.2
WQTV	BASIN-3	BASE	11.33	81.06	88.00	183907	0.00	2.13	0.0	2.2
WQTV	BASIN-3	BASE	11.42	81.05	88.00	183650	0.00	2.13	0.0	2.2
WQTV	BASIN-3	BASE	11.50	81.05	88.00	183394	0.00	2.12	0.0	2.2
WQTV	BASIN-3	BASE	11.58	81.05	88.00	183137	0.00	2.12	0.0	2.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	11.67	81.04	88.00	182881	0.00	2.12	0.0	2.2
WQTV	BASIN-3	BASE	11.75	81.04	88.00	182624	0.00	2.11	0.0	2.2
WQTV	BASIN-3	BASE	11.83	81.04	88.00	182368	0.00	2.11	0.0	2.3
WQTV	BASIN-3	BASE	11.92	81.03	88.00	182112	0.00	2.11	0.0	2.3
WQTV	BASIN-3	BASE	12.00	81.03	88.00	181855	0.00	2.10	0.0	2.3
WQTV	BASIN-3	BASE	12.08	81.03	88.00	181599	0.00	2.10	0.0	2.3
WQTV	BASIN-3	BASE	12.17	81.02	88.00	181342	0.00	2.10	0.0	2.3
WQTV	BASIN-3	BASE	12.25	81.02	88.00	181086	0.00	2.10	0.0	2.3
WQTV	BASIN-3	BASE	12.33	81.02	88.00	180829	0.00	2.09	0.0	2.3
WQTV	BASIN-3	BASE	12.42	81.01	88.00	180573	0.00	2.09	0.0	2.4
WQTV	BASIN-3	BASE	12.50	81.01	88.00	180317	0.00	2.09	0.0	2.4
WQTV	BASIN-3	BASE	12.58	81.01	88.00	180060	0.00	2.08	0.0	2.4
WQTV	BASIN-3	BASE	12.67	81.00	88.00	179804	0.00	2.08	0.0	2.4
WQTV	BASIN-3	BASE	12.75	81.00	88.00	179547	0.00	2.08	0.0	2.4
WQTV	BASIN-3	BASE	12.83	81.00	88.00	179291	0.00	2.08	0.0	2.4
WQTV	BASIN-3	BASE	12.92	80.99	88.00	179034	0.00	2.07	0.0	2.4
WQTV	BASIN-3	BASE	13.00	80.99	88.00	178778	0.00	2.07	0.0	2.5
WQTV	BASIN-3	BASE	13.08	80.98	88.00	178522	0.00	2.07	0.0	2.5
WQTV	BASIN-3	BASE	13.17	80.98	88.00	178265	0.00	2.06	0.0	2.5
WQTV	BASIN-3	BASE	13.25	80.98	88.00	178009	0.00	2.06	0.0	2.5
WQTV	BASIN-3	BASE	13.33	80.97	88.00	177752	0.00	2.06	0.0	2.5
WQTV	BASIN-3	BASE	13.42	80.97	88.00	177496	0.00	2.05	0.0	2.5
WQTV	BASIN-3	BASE	13.50	80.97	88.00	177239	0.00	2.05	0.0	2.5
WQTV	BASIN-3	BASE	13.58	80.96	88.00	176983	0.00	2.05	0.0	2.6
WQTV	BASIN-3	BASE	13.67	80.96	88.00	176727	0.00	2.05	0.0	2.6
WQTV	BASIN-3	BASE	13.75	80.96	88.00	176470	0.00	2.04	0.0	2.6
WQTV	BASIN-3	BASE	13.83	80.95	88.00	176214	0.00	2.04	0.0	2.6
WQTV	BASIN-3	BASE	13.92	80.95	88.00	175957	0.00	2.04	0.0	2.6
WQTV	BASIN-3	BASE	14.00	80.95	88.00	175701	0.00	2.03	0.0	2.6
WQTV	BASIN-3	BASE	14.08	80.94	88.00	175444	0.00	2.03	0.0	2.6
WQTV	BASIN-3	BASE	14.17	80.94	88.00	175188	0.00	2.03	0.0	2.7
WQTV	BASIN-3	BASE	14.25	80.94	88.00	174932	0.00	2.02	0.0	2.7
WQTV	BASIN-3	BASE	14.33	80.93	88.00	174675	0.00	2.02	0.0	2.7
WQTV	BASIN-3	BASE	14.42	80.93	88.00	174419	0.00	2.02	0.0	2.7
WQTV	BASIN-3	BASE	14.50	80.93	88.00	174162	0.00	2.02	0.0	2.7
WQTV	BASIN-3	BASE	14.58	80.92	88.00	173906	0.00	2.01	0.0	2.7
WQTV	BASIN-3	BASE	14.67	80.92	88.00	173649	0.00	2.01	0.0	2.7
WQTV	BASIN-3	BASE	14.75	80.92	88.00	173393	0.00	2.01	0.0	2.8
WQTV	BASIN-3	BASE	14.83	80.91	88.00	173137	0.00	2.00	0.0	2.8
WQTV	BASIN-3	BASE	14.92	80.91	88.00	172880	0.00	2.00	0.0	2.8
WQTV	BASIN-3	BASE	15.00	80.90	88.00	172624	0.00	2.00	0.0	2.8
WQTV	BASIN-3	BASE	15.08	80.90	88.00	172367	0.00	1.99	0.0	2.8
WQTV	BASIN-3	BASE	15.17	80.90	88.00	172111	0.00	1.99	0.0	2.8
WQTV	BASIN-3	BASE	15.25	80.89	88.00	171854	0.00	1.99	0.0	2.8
WQTV	BASIN-3	BASE	15.33	80.89	88.00	171598	0.00	1.99	0.0	2.9
WQTV	BASIN-3	BASE	15.42	80.89	88.00	171342	0.00	1.98	0.0	2.9
WQTV	BASIN-3	BASE	15.50	80.88	88.00	171085	0.00	1.98	0.0	2.9
WQTV	BASIN-3	BASE	15.58	80.88	88.00	170829	0.00	1.98	0.0	2.9
WQTV	BASIN-3	BASE	15.67	80.88	88.00	170572	0.00	1.97	0.0	2.9
WQTV	BASIN-3	BASE	15.75	80.87	88.00	170316	0.00	1.97	0.0	2.9
WQTV	BASIN-3	BASE	15.83	80.87	88.00	170059	0.00	1.97	0.0	2.9
WQTV	BASIN-3	BASE	15.92	80.87	88.00	169803	0.00	1.97	0.0	2.9
WQTV	BASIN-3	BASE	16.00	80.86	88.00	169547	0.00	1.96	0.0	3.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-3	BASE	16.08	80.86	88.00	169290	0.00	1.96	0.0	3.0
WQTV	BASIN-3	BASE	16.17	80.86	88.00	169034	0.00	1.96	0.0	3.0
WQTV	BASIN-3	BASE	16.25	80.85	88.00	168777	0.00	1.95	0.0	3.0
WQTV	BASIN-3	BASE	16.33	80.85	88.00	168521	0.00	1.95	0.0	3.0
WQTV	BASIN-3	BASE	16.42	80.85	88.00	168264	0.00	1.95	0.0	3.0
WQTV	BASIN-3	BASE	16.50	80.84	88.00	168008	0.00	1.94	0.0	3.0
WQTV	BASIN-3	BASE	16.58	80.84	88.00	167752	0.00	1.94	0.0	3.1
WQTV	BASIN-3	BASE	16.67	80.84	88.00	167495	0.00	1.94	0.0	3.1
WQTV	BASIN-3	BASE	16.75	80.83	88.00	167239	0.00	1.94	0.0	3.1
WQTV	BASIN-3	BASE	16.83	80.83	88.00	166982	0.00	1.93	0.0	3.1
WQTV	BASIN-3	BASE	16.92	80.83	88.00	166726	0.00	1.93	0.0	3.1
WQTV	BASIN-3	BASE	17.00	80.82	88.00	166469	0.00	1.93	0.0	3.1
WQTV	BASIN-3	BASE	17.08	80.82	88.00	166213	0.00	1.92	0.0	3.1
WQTV	BASIN-3	BASE	17.17	80.81	88.00	165957	0.00	1.92	0.0	3.2
WQTV	BASIN-3	BASE	17.25	80.81	88.00	165700	0.00	1.92	0.0	3.2
WQTV	BASIN-3	BASE	17.33	80.81	88.00	165444	0.00	1.91	0.0	3.2
WQTV	BASIN-3	BASE	17.42	80.80	88.00	165187	0.00	1.91	0.0	3.2
WQTV	BASIN-3	BASE	17.50	80.80	88.00	164931	0.00	1.91	0.0	3.2
WQTV	BASIN-3	BASE	17.58	80.80	88.00	164674	0.00	1.91	0.0	3.2
WQTV	BASIN-3	BASE	17.67	80.79	88.00	164418	0.00	1.90	0.0	3.2
WQTV	BASIN-3	BASE	17.75	80.79	88.00	164162	0.00	1.90	0.0	3.2
WQTV	BASIN-3	BASE	17.83	80.79	88.00	163905	0.00	1.90	0.0	3.3
WQTV	BASIN-3	BASE	17.92	80.78	88.00	163649	0.00	1.89	0.0	3.3
WQTV	BASIN-3	BASE	18.00	80.78	88.00	163392	0.00	1.89	0.0	3.3
WQTV	BASIN-3	BASE	18.08	80.78	88.00	163136	0.00	1.89	0.0	3.3
WQTV	BASIN-3	BASE	18.17	80.77	88.00	162879	0.00	1.89	0.0	3.3
WQTV	BASIN-3	BASE	18.25	80.77	88.00	162623	0.00	1.88	0.0	3.3
WQTV	BASIN-3	BASE	18.33	80.77	88.00	162367	0.00	1.88	0.0	3.3
WQTV	BASIN-3	BASE	18.42	80.76	88.00	162110	0.00	1.88	0.0	3.3
WQTV	BASIN-3	BASE	18.50	80.76	88.00	161854	0.00	1.87	0.0	3.4
WQTV	BASIN-3	BASE	18.58	80.76	88.00	161597	0.00	1.87	0.0	3.4
WQTV	BASIN-3	BASE	18.67	80.75	88.00	161341	0.00	1.87	0.0	3.4
WQTV	BASIN-3	BASE	18.75	80.75	88.00	161084	0.00	1.86	0.0	3.4
WQTV	BASIN-3	BASE	18.83	80.75	88.00	160828	0.00	1.86	0.0	3.4
WQTV	BASIN-3	BASE	18.92	80.74	88.00	160572	0.00	1.86	0.0	3.4
WQTV	BASIN-3	BASE	19.00	80.74	88.00	160315	0.00	1.86	0.0	3.4
WQTV	BASIN-3	BASE	19.08	80.73	88.00	160059	0.00	1.85	0.0	3.4
WQTV	BASIN-3	BASE	19.17	80.73	88.00	159802	0.00	1.85	0.0	3.5
WQTV	BASIN-3	BASE	19.25	80.73	88.00	159546	0.00	1.85	0.0	3.5
WQTV	BASIN-3	BASE	19.33	80.72	88.00	159289	0.00	1.84	0.0	3.5
WQTV	BASIN-3	BASE	19.42	80.72	88.00	159033	0.00	1.84	0.0	3.5
WQTV	BASIN-3	BASE	19.50	80.72	88.00	158777	0.00	1.84	0.0	3.5
WQTV	BASIN-3	BASE	19.58	80.71	88.00	158520	0.00	1.83	0.0	3.5
WQTV	BASIN-3	BASE	19.67	80.71	88.00	158264	0.00	1.83	0.0	3.5
WQTV	BASIN-3	BASE	19.75	80.71	88.00	158007	0.00	1.83	0.0	3.6
WQTV	BASIN-3	BASE	19.83	80.70	88.00	157751	0.00	1.83	0.0	3.6
WQTV	BASIN-3	BASE	19.92	80.70	88.00	157494	0.00	1.82	0.0	3.6
WQTV	BASIN-3	BASE	20.00	80.70	88.00	157238	0.00	1.82	0.0	3.6
WQTV	BASIN-3	BASE	20.08	80.69	88.00	156982	0.00	1.82	0.0	3.6
WQTV	BASIN-3	BASE	20.17	80.69	88.00	156725	0.00	1.81	0.0	3.6
WQTV	BASIN-3	BASE	20.25	80.69	88.00	156469	0.00	1.81	0.0	3.6
WQTV	BASIN-3	BASE	20.33	80.68	88.00	156212	0.00	1.81	0.0	3.6
WQTV	BASIN-3	BASE	20.42	80.68	88.00	155956	0.00	1.81	0.0	3.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	20.50	80.68	88.00	155699	0.00	1.80	0.0	3.7
WQTV	BASIN-3	BASE	20.58	80.67	88.00	155443	0.00	1.80	0.0	3.7
WQTV	BASIN-3	BASE	20.67	80.67	88.00	155187	0.00	1.80	0.0	3.7
WQTV	BASIN-3	BASE	20.75	80.67	88.00	154930	0.00	1.79	0.0	3.7
WQTV	BASIN-3	BASE	20.83	80.66	88.00	154674	0.00	1.79	0.0	3.7
WQTV	BASIN-3	BASE	20.92	80.66	88.00	154417	0.00	1.79	0.0	3.7
WQTV	BASIN-3	BASE	21.00	80.65	88.00	154161	0.00	1.78	0.0	3.7
WQTV	BASIN-3	BASE	21.08	80.65	88.00	153904	0.00	1.78	0.0	3.7
WQTV	BASIN-3	BASE	21.17	80.65	88.00	153648	0.00	1.78	0.0	3.8
WQTV	BASIN-3	BASE	21.25	80.64	88.00	153392	0.00	1.78	0.0	3.8
WQTV	BASIN-3	BASE	21.33	80.64	88.00	153135	0.00	1.77	0.0	3.8
WQTV	BASIN-3	BASE	21.42	80.64	88.00	152879	0.00	1.77	0.0	3.8
WQTV	BASIN-3	BASE	21.50	80.63	88.00	152622	0.00	1.77	0.0	3.8
WQTV	BASIN-3	BASE	21.58	80.63	88.00	152366	0.00	1.76	0.0	3.8
WQTV	BASIN-3	BASE	21.67	80.63	88.00	152109	0.00	1.76	0.0	3.8
WQTV	BASIN-3	BASE	21.75	80.62	88.00	151853	0.00	1.76	0.0	3.8
WQTV	BASIN-3	BASE	21.83	80.62	88.00	151597	0.00	1.75	0.0	3.9
WQTV	BASIN-3	BASE	21.92	80.62	88.00	151340	0.00	1.75	0.0	3.9
WQTV	BASIN-3	BASE	22.00	80.61	88.00	151084	0.00	1.75	0.0	3.9
WQTV	BASIN-3	BASE	22.08	80.61	88.00	150827	0.00	1.75	0.0	3.9
WQTV	BASIN-3	BASE	22.17	80.61	88.00	150571	0.00	1.74	0.0	3.9
WQTV	BASIN-3	BASE	22.25	80.60	88.00	150314	0.00	1.74	0.0	3.9
WQTV	BASIN-3	BASE	22.33	80.60	88.00	150058	0.00	1.74	0.0	3.9
WQTV	BASIN-3	BASE	22.42	80.60	88.00	149802	0.00	1.73	0.0	3.9
WQTV	BASIN-3	BASE	22.50	80.59	88.00	149545	0.00	1.73	0.0	4.0
WQTV	BASIN-3	BASE	22.58	80.59	88.00	149289	0.00	1.73	0.0	4.0
WQTV	BASIN-3	BASE	22.67	80.59	88.00	149032	0.00	1.72	0.0	4.0
WQTV	BASIN-3	BASE	22.75	80.58	88.00	148776	0.00	1.72	0.0	4.0
WQTV	BASIN-3	BASE	22.83	80.58	88.00	148519	0.00	1.72	0.0	4.0
WQTV	BASIN-3	BASE	22.92	80.58	88.00	148263	0.00	1.72	0.0	4.0
WQTV	BASIN-3	BASE	23.00	80.57	88.00	148007	0.00	1.71	0.0	4.0
WQTV	BASIN-3	BASE	23.08	80.57	88.00	147750	0.00	1.71	0.0	4.0
WQTV	BASIN-3	BASE	23.17	80.56	88.00	147494	0.00	1.71	0.0	4.0
WQTV	BASIN-3	BASE	23.25	80.56	88.00	147237	0.00	1.70	0.0	4.1
WQTV	BASIN-3	BASE	23.33	80.56	88.00	146981	0.00	1.70	0.0	4.1
WQTV	BASIN-3	BASE	23.42	80.55	88.00	146724	0.00	1.70	0.0	4.1
WQTV	BASIN-3	BASE	23.50	80.55	88.00	146468	0.00	1.70	0.0	4.1
WQTV	BASIN-3	BASE	23.58	80.55	88.00	146212	0.00	1.69	0.0	4.1
WQTV	BASIN-3	BASE	23.67	80.54	88.00	145955	0.00	1.69	0.0	4.1
WQTV	BASIN-3	BASE	23.75	80.54	88.00	145699	0.00	1.69	0.0	4.1
WQTV	BASIN-3	BASE	23.83	80.54	88.00	145442	0.00	1.68	0.0	4.1
WQTV	BASIN-3	BASE	23.92	80.53	88.00	145186	0.00	1.68	0.0	4.2
WQTV	BASIN-3	BASE	24.00	80.53	88.00	144929	0.00	1.68	0.0	4.2
WQTV	BASIN-3	BASE	24.08	80.53	88.00	144673	0.00	1.67	0.0	4.2
WQTV	BASIN-3	BASE	24.17	80.52	88.00	144417	0.00	1.67	0.0	4.2
WQTV	BASIN-3	BASE	24.25	80.52	88.00	144160	0.00	1.67	0.0	4.2
WQTV	BASIN-3	BASE	24.33	80.52	88.00	143904	0.00	1.67	0.0	4.2
WQTV	BASIN-3	BASE	24.42	80.51	88.00	143647	0.00	1.66	0.0	4.2
WQTV	BASIN-3	BASE	24.50	80.51	88.00	143391	0.00	1.66	0.0	4.2
WQTV	BASIN-3	BASE	24.58	80.51	88.00	143134	0.00	1.66	0.0	4.2
WQTV	BASIN-3	BASE	24.67	80.50	88.00	142878	0.00	1.65	0.0	4.3
WQTV	BASIN-3	BASE	24.75	80.50	88.00	142622	0.00	1.65	0.0	4.3
WQTV	BASIN-3	BASE	24.83	80.50	88.00	142365	0.00	1.65	0.0	4.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	24.92	80.49	88.00	142109	0.00	1.64	0.0	4.3
WQTV	BASIN-3	BASE	25.00	80.49	88.00	141852	0.00	1.64	0.0	4.3
WQTV	BASIN-3	BASE	25.08	80.48	88.00	141596	0.00	1.64	0.0	4.3
WQTV	BASIN-3	BASE	25.17	80.48	88.00	141339	0.00	1.64	0.0	4.3
WQTV	BASIN-3	BASE	25.25	80.48	88.00	141083	0.00	1.63	0.0	4.3
WQTV	BASIN-3	BASE	25.33	80.47	88.00	140827	0.00	1.63	0.0	4.3
WQTV	BASIN-3	BASE	25.42	80.47	88.00	140570	0.00	1.63	0.0	4.4
WQTV	BASIN-3	BASE	25.50	80.47	88.00	140314	0.00	1.62	0.0	4.4
WQTV	BASIN-3	BASE	25.58	80.46	88.00	140057	0.00	1.62	0.0	4.4
WQTV	BASIN-3	BASE	25.67	80.46	88.00	139801	0.00	1.62	0.0	4.4
WQTV	BASIN-3	BASE	25.75	80.46	88.00	139544	0.00	1.62	0.0	4.4
WQTV	BASIN-3	BASE	25.83	80.45	88.00	139288	0.00	1.61	0.0	4.4
WQTV	BASIN-3	BASE	25.92	80.45	88.00	139031	0.00	1.61	0.0	4.4
WQTV	BASIN-3	BASE	26.00	80.45	88.00	138775	0.00	1.61	0.0	4.4
WQTV	BASIN-3	BASE	26.08	80.44	88.00	138519	0.00	1.60	0.0	4.4
WQTV	BASIN-3	BASE	26.17	80.44	88.00	138262	0.00	1.60	0.0	4.5
WQTV	BASIN-3	BASE	26.25	80.44	88.00	138006	0.00	1.60	0.0	4.5
WQTV	BASIN-3	BASE	26.33	80.43	88.00	137749	0.00	1.59	0.0	4.5
WQTV	BASIN-3	BASE	26.42	80.43	88.00	137493	0.00	1.59	0.0	4.5
WQTV	BASIN-3	BASE	26.50	80.43	88.00	137236	0.00	1.59	0.0	4.5
WQTV	BASIN-3	BASE	26.58	80.42	88.00	136980	0.00	1.59	0.0	4.5
WQTV	BASIN-3	BASE	26.67	80.42	88.00	136724	0.00	1.58	0.0	4.5
WQTV	BASIN-3	BASE	26.75	80.42	88.00	136467	0.00	1.58	0.0	4.5
WQTV	BASIN-3	BASE	26.83	80.41	88.00	136211	0.00	1.58	0.0	4.5
WQTV	BASIN-3	BASE	26.92	80.41	88.00	135954	0.00	1.57	0.0	4.6
WQTV	BASIN-3	BASE	27.00	80.40	88.00	135698	0.00	1.57	0.0	4.6
WQTV	BASIN-3	BASE	27.08	80.40	88.00	135441	0.00	1.57	0.0	4.6
WQTV	BASIN-3	BASE	27.17	80.40	88.00	135185	0.00	1.56	0.0	4.6
WQTV	BASIN-3	BASE	27.25	80.39	88.00	134929	0.00	1.56	0.0	4.6
WQTV	BASIN-3	BASE	27.33	80.39	88.00	134672	0.00	1.56	0.0	4.6
WQTV	BASIN-3	BASE	27.42	80.39	88.00	134416	0.00	1.56	0.0	4.6
WQTV	BASIN-3	BASE	27.50	80.38	88.00	134159	0.00	1.55	0.0	4.6
WQTV	BASIN-3	BASE	27.58	80.38	88.00	133903	0.00	1.55	0.0	4.6
WQTV	BASIN-3	BASE	27.67	80.38	88.00	133646	0.00	1.55	0.0	4.7
WQTV	BASIN-3	BASE	27.75	80.37	88.00	133390	0.00	1.54	0.0	4.7
WQTV	BASIN-3	BASE	27.83	80.37	88.00	133134	0.00	1.54	0.0	4.7
WQTV	BASIN-3	BASE	27.92	80.37	88.00	132877	0.00	1.54	0.0	4.7
WQTV	BASIN-3	BASE	28.00	80.36	88.00	132621	0.00	1.53	0.0	4.7
WQTV	BASIN-3	BASE	28.08	80.36	88.00	132364	0.00	1.53	0.0	4.7
WQTV	BASIN-3	BASE	28.17	80.36	88.00	132108	0.00	1.53	0.0	4.7
WQTV	BASIN-3	BASE	28.25	80.35	88.00	131851	0.00	1.53	0.0	4.7
WQTV	BASIN-3	BASE	28.33	80.35	88.00	131595	0.00	1.52	0.0	4.7
WQTV	BASIN-3	BASE	28.42	80.35	88.00	131339	0.00	1.52	0.0	4.7
WQTV	BASIN-3	BASE	28.50	80.34	88.00	131082	0.00	1.52	0.0	4.8
WQTV	BASIN-3	BASE	28.58	80.34	88.00	130826	0.00	1.51	0.0	4.8
WQTV	BASIN-3	BASE	28.67	80.34	88.00	130569	0.00	1.51	0.0	4.8
WQTV	BASIN-3	BASE	28.75	80.33	88.00	130313	0.00	1.51	0.0	4.8
WQTV	BASIN-3	BASE	28.83	80.33	88.00	130056	0.00	1.51	0.0	4.8
WQTV	BASIN-3	BASE	28.92	80.33	88.00	129800	0.00	1.50	0.0	4.8
WQTV	BASIN-3	BASE	29.00	80.32	88.00	129544	0.00	1.50	0.0	4.8
WQTV	BASIN-3	BASE	29.08	80.32	88.00	129287	0.00	1.50	0.0	4.8
WQTV	BASIN-3	BASE	29.17	80.31	88.00	129031	0.00	1.49	0.0	4.8
WQTV	BASIN-3	BASE	29.25	80.31	88.00	128774	0.00	1.49	0.0	4.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	29.33	80.31	88.00	128518	0.00	1.49	0.0	4.9
WQTV	BASIN-3	BASE	29.42	80.30	88.00	128261	0.00	1.48	0.0	4.9
WQTV	BASIN-3	BASE	29.50	80.30	88.00	128005	0.00	1.48	0.0	4.9
WQTV	BASIN-3	BASE	29.58	80.30	88.00	127749	0.00	1.48	0.0	4.9
WQTV	BASIN-3	BASE	29.67	80.29	88.00	127492	0.00	1.48	0.0	4.9
WQTV	BASIN-3	BASE	29.75	80.29	88.00	127236	0.00	1.47	0.0	4.9
WQTV	BASIN-3	BASE	29.83	80.29	88.00	126979	0.00	1.47	0.0	4.9
WQTV	BASIN-3	BASE	29.92	80.28	88.00	126723	0.00	1.47	0.0	4.9
WQTV	BASIN-3	BASE	30.00	80.28	88.00	126466	0.00	1.46	0.0	4.9
WQTV	BASIN-3	BASE	30.08	80.28	88.00	126210	0.00	1.46	0.0	5.0
WQTV	BASIN-3	BASE	30.17	80.27	88.00	125954	0.00	1.46	0.0	5.0
WQTV	BASIN-3	BASE	30.25	80.27	88.00	125697	0.00	1.45	0.0	5.0
WQTV	BASIN-3	BASE	30.33	80.27	88.00	125441	0.00	1.45	0.0	5.0
WQTV	BASIN-3	BASE	30.42	80.26	88.00	125184	0.00	1.45	0.0	5.0
WQTV	BASIN-3	BASE	30.50	80.26	88.00	124928	0.00	1.45	0.0	5.0
WQTV	BASIN-3	BASE	30.58	80.26	88.00	124671	0.00	1.44	0.0	5.0
WQTV	BASIN-3	BASE	30.67	80.25	88.00	124415	0.00	1.44	0.0	5.0
WQTV	BASIN-3	BASE	30.75	80.25	88.00	124159	0.00	1.44	0.0	5.0
WQTV	BASIN-3	BASE	30.83	80.25	88.00	123902	0.00	1.43	0.0	5.0
WQTV	BASIN-3	BASE	30.92	80.24	88.00	123646	0.00	1.43	0.0	5.1
WQTV	BASIN-3	BASE	31.00	80.24	88.00	123389	0.00	1.43	0.0	5.1
WQTV	BASIN-3	BASE	31.08	80.23	88.00	123133	0.00	1.43	0.0	5.1
WQTV	BASIN-3	BASE	31.17	80.23	88.00	122876	0.00	1.42	0.0	5.1
WQTV	BASIN-3	BASE	31.25	80.23	88.00	122620	0.00	1.42	0.0	5.1
WQTV	BASIN-3	BASE	31.33	80.22	88.00	122364	0.00	1.42	0.0	5.1
WQTV	BASIN-3	BASE	31.42	80.22	88.00	122107	0.00	1.41	0.0	5.1
WQTV	BASIN-3	BASE	31.50	80.22	88.00	121851	0.00	1.41	0.0	5.1
WQTV	BASIN-3	BASE	31.58	80.21	88.00	121594	0.00	1.41	0.0	5.1
WQTV	BASIN-3	BASE	31.67	80.21	88.00	121338	0.00	1.40	0.0	5.1
WQTV	BASIN-3	BASE	31.75	80.21	88.00	121081	0.00	1.40	0.0	5.2
WQTV	BASIN-3	BASE	31.83	80.20	88.00	120825	0.00	1.40	0.0	5.2
WQTV	BASIN-3	BASE	31.92	80.20	88.00	120569	0.00	1.40	0.0	5.2
WQTV	BASIN-3	BASE	32.00	80.20	88.00	120312	0.00	1.39	0.0	5.2
WQTV	BASIN-3	BASE	32.08	80.19	88.00	120056	0.00	1.39	0.0	5.2
WQTV	BASIN-3	BASE	32.17	80.19	88.00	119799	0.00	1.39	0.0	5.2
WQTV	BASIN-3	BASE	32.25	80.19	88.00	119543	0.00	1.38	0.0	5.2
WQTV	BASIN-3	BASE	32.33	80.18	88.00	119286	0.00	1.38	0.0	5.2
WQTV	BASIN-3	BASE	32.42	80.18	88.00	119030	0.00	1.38	0.0	5.2
WQTV	BASIN-3	BASE	32.50	80.18	88.00	118774	0.00	1.37	0.0	5.2
WQTV	BASIN-3	BASE	32.58	80.17	88.00	118517	0.00	1.37	0.0	5.2
WQTV	BASIN-3	BASE	32.67	80.17	88.00	118261	0.00	1.37	0.0	5.3
WQTV	BASIN-3	BASE	32.75	80.17	88.00	118004	0.00	1.37	0.0	5.3
WQTV	BASIN-3	BASE	32.83	80.16	88.00	117748	0.00	1.36	0.0	5.3
WQTV	BASIN-3	BASE	32.92	80.16	88.00	117491	0.00	1.36	0.0	5.3
WQTV	BASIN-3	BASE	33.00	80.15	88.00	117235	0.00	1.36	0.0	5.3
WQTV	BASIN-3	BASE	33.08	80.15	88.00	116979	0.00	1.35	0.0	5.3
WQTV	BASIN-3	BASE	33.17	80.15	88.00	116722	0.00	1.35	0.0	5.3
WQTV	BASIN-3	BASE	33.25	80.14	88.00	116466	0.00	1.35	0.0	5.3
WQTV	BASIN-3	BASE	33.33	80.14	88.00	116209	0.00	1.35	0.0	5.3
WQTV	BASIN-3	BASE	33.42	80.14	88.00	115953	0.00	1.34	0.0	5.3
WQTV	BASIN-3	BASE	33.50	80.13	88.00	115696	0.00	1.34	0.0	5.4
WQTV	BASIN-3	BASE	33.58	80.13	88.00	115440	0.00	1.34	0.0	5.4
WQTV	BASIN-3	BASE	33.67	80.13	88.00	115184	0.00	1.33	0.0	5.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-3	BASE	33.75	80.12	88.00	114927	0.00	1.33	0.0	5.4	
WQTV	BASIN-3	BASE	33.83	80.12	88.00	114671	0.00	1.33	0.0	5.4	
WQTV	BASIN-3	BASE	33.92	80.12	88.00	114414	0.00	1.32	0.0	5.4	
WQTV	BASIN-3	BASE	34.00	80.11	88.00	114158	0.00	1.32	0.0	5.4	
WQTV	BASIN-3	BASE	34.08	80.11	88.00	113901	0.00	1.32	0.0	5.4	
WQTV	BASIN-3	BASE	34.17	80.11	88.00	113645	0.00	1.32	0.0	5.4	
WQTV	BASIN-3	BASE	34.25	80.10	88.00	113389	0.00	1.31	0.0	5.4	
WQTV	BASIN-3	BASE	34.33	80.10	88.00	113132	0.00	1.31	0.0	5.4	
WQTV	BASIN-3	BASE	34.42	80.10	88.00	112876	0.00	1.31	0.0	5.5	
WQTV	BASIN-3	BASE	34.50	80.09	88.00	112619	0.00	1.30	0.0	5.5	
WQTV	BASIN-3	BASE	34.58	80.09	88.00	112363	0.00	1.30	0.0	5.5	
WQTV	BASIN-3	BASE	34.67	80.09	88.00	112106	0.00	1.30	0.0	5.5	
WQTV	BASIN-3	BASE	34.75	80.08	88.00	111850	0.00	1.29	0.0	5.5	
WQTV	BASIN-3	BASE	34.83	80.08	88.00	111594	0.00	1.29	0.0	5.5	
WQTV	BASIN-3	BASE	34.92	80.08	88.00	111337	0.00	1.29	0.0	5.5	
WQTV	BASIN-3	BASE	35.00	80.07	88.00	111081	0.00	1.29	0.0	5.5	
WQTV	BASIN-3	BASE	35.08	80.07	88.00	110824	0.00	1.28	0.0	5.5	
WQTV	BASIN-3	BASE	35.17	80.06	88.00	110568	0.00	1.28	0.0	5.5	
WQTV	BASIN-3	BASE	35.25	80.06	88.00	110311	0.00	1.28	0.0	5.5	
WQTV	BASIN-3	BASE	35.33	80.06	88.00	110055	0.00	1.27	0.0	5.5	
WQTV	BASIN-3	BASE	35.42	80.05	88.00	109799	0.00	1.27	0.0	5.6	
WQTV	BASIN-3	BASE	35.50	80.05	88.00	109542	0.00	1.27	0.0	5.6	
WQTV	BASIN-3	BASE	35.58	80.05	88.00	109286	0.00	1.26	0.0	5.6	
WQTV	BASIN-3	BASE	35.67	80.04	88.00	109029	0.00	1.26	0.0	5.6	
WQTV	BASIN-3	BASE	35.75	80.04	88.00	108773	0.00	1.26	0.0	5.6	
WQTV	BASIN-3	BASE	35.83	80.04	88.00	108516	0.00	1.26	0.0	5.6	
WQTV	BASIN-3	BASE	35.92	80.03	88.00	108260	0.00	1.25	0.0	5.6	
WQTV	BASIN-3	BASE	36.00	80.03	88.00	108004	0.00	1.25	0.0	5.6	
WQTV	BASIN-3	BASE	36.08	80.03	88.00	107747	0.00	1.25	0.0	5.6	
WQTV	BASIN-3	BASE	36.17	80.02	88.00	107491	0.00	1.24	0.0	5.6	
WQTV	BASIN-3	BASE	36.25	80.02	88.00	107234	0.00	1.24	0.0	5.6	
WQTV	BASIN-3	BASE	36.33	80.02	88.00	106978	0.00	1.24	0.0	5.7	
WQTV	BASIN-3	BASE	36.42	80.01	88.00	106721	0.00	1.24	0.0	5.7	
WQTV	BASIN-3	BASE	36.50	80.01	88.00	106465	0.00	1.23	0.0	5.7	
WQTV	BASIN-3	BASE	36.58	80.01	88.00	106209	0.00	1.23	0.0	5.7	
WQTV	BASIN-3	BASE	36.67	80.00	88.00	105952	0.00	1.23	0.0	5.7	BASIN-3 WQTV
WQTV	BASIN-3	BASE	36.75	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	36.83	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	36.92	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.00	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.08	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.17	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.25	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.33	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.42	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.50	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.58	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.67	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.75	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.83	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	37.92	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	38.00	80.00	88.00	105790	0.00	0.00	0.0	5.7	
WQTV	BASIN-3	BASE	38.08	80.00	88.00	105790	0.00	0.00	0.0	5.7	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-3	BASE	77.92	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.00	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.08	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.17	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.25	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.33	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.42	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.50	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.58	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.67	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.75	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.83	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	78.92	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.00	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.08	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.17	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.25	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.33	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.42	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.50	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.58	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.67	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.75	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.83	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	79.92	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	80.00	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-3	BASE	80.00	80.00	88.00	105790	0.00	0.00	0.0	5.7
WQTV	BASIN-4	BASE	0.00	85.68	87.00	207947	0.00	0.00	0.0	0.0
WQTV	BASIN-4	BASE	0.08	85.68	87.00	207882	0.00	2.41	0.0	0.0
WQTV	BASIN-4	BASE	0.17	85.67	87.00	207818	0.00	2.41	0.0	0.0
WQTV	BASIN-4	BASE	0.25	85.67	87.00	207754	0.00	2.40	0.0	0.0
WQTV	BASIN-4	BASE	0.33	85.67	87.00	207689	0.00	2.40	0.0	0.1
WQTV	BASIN-4	BASE	0.42	85.66	87.00	207625	0.00	2.40	0.0	0.1
WQTV	BASIN-4	BASE	0.50	85.66	87.00	207561	0.00	2.40	0.0	0.1
WQTV	BASIN-4	BASE	0.58	85.66	87.00	207497	0.00	2.40	0.0	0.1
WQTV	BASIN-4	BASE	0.67	85.65	87.00	207432	0.00	2.40	0.0	0.1
WQTV	BASIN-4	BASE	0.75	85.65	87.00	207368	0.00	2.40	0.0	0.1
WQTV	BASIN-4	BASE	0.83	85.65	87.00	207303	0.00	2.40	0.0	0.2
WQTV	BASIN-4	BASE	0.92	85.64	87.00	207238	0.00	2.40	0.0	0.2
WQTV	BASIN-4	BASE	1.00	85.64	87.00	207174	0.00	2.40	0.0	0.2
WQTV	BASIN-4	BASE	1.09	85.63	87.00	207109	0.00	2.40	0.0	0.2
WQTV	BASIN-4	BASE	1.17	85.63	87.00	207045	0.00	2.40	0.0	0.2
WQTV	BASIN-4	BASE	1.25	85.63	87.00	206980	0.00	2.40	0.0	0.2
WQTV	BASIN-4	BASE	1.33	85.62	87.00	206917	0.00	2.39	0.0	0.3
WQTV	BASIN-4	BASE	1.42	85.62	87.00	206853	0.00	2.39	0.0	0.3
WQTV	BASIN-4	BASE	1.50	85.62	87.00	206788	0.00	2.39	0.0	0.3
WQTV	BASIN-4	BASE	1.59	85.61	87.00	206722	0.00	2.39	0.0	0.3
WQTV	BASIN-4	BASE	1.67	85.61	87.00	206660	0.00	2.39	0.0	0.3
WQTV	BASIN-4	BASE	1.75	85.61	87.00	206594	0.00	2.39	0.0	0.3
WQTV	BASIN-4	BASE	1.83	85.60	87.00	206531	0.00	2.39	0.0	0.4
WQTV	BASIN-4	BASE	1.92	85.60	87.00	206466	0.00	2.39	0.0	0.4
WQTV	BASIN-4	BASE	2.00	85.60	87.00	206403	0.00	2.39	0.0	0.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-4	BASE	2.09	85.59	87.00	206336	0.00	2.39	0.0	0.4
WQTV	BASIN-4	BASE	2.17	85.59	87.00	206274	0.00	2.39	0.0	0.4
WQTV	BASIN-4	BASE	2.25	85.59	87.00	206209	0.00	2.39	0.0	0.4
WQTV	BASIN-4	BASE	2.34	85.58	87.00	206144	0.00	2.39	0.0	0.5
WQTV	BASIN-4	BASE	2.42	85.58	87.00	206081	0.00	2.39	0.0	0.5
WQTV	BASIN-4	BASE	2.50	85.58	87.00	206016	0.00	2.38	0.0	0.5
WQTV	BASIN-4	BASE	2.59	85.57	87.00	205951	0.00	2.38	0.0	0.5
WQTV	BASIN-4	BASE	2.67	85.57	87.00	205888	0.00	2.38	0.0	0.5
WQTV	BASIN-4	BASE	2.75	85.57	87.00	205823	0.00	2.38	0.0	0.5
WQTV	BASIN-4	BASE	2.84	85.56	87.00	205756	0.00	2.38	0.0	0.6
WQTV	BASIN-4	BASE	2.92	85.56	87.00	205695	0.00	2.38	0.0	0.6
WQTV	BASIN-4	BASE	3.00	85.55	87.00	205629	0.00	2.38	0.0	0.6
WQTV	BASIN-4	BASE	3.09	85.55	87.00	205564	0.00	2.38	0.0	0.6
WQTV	BASIN-4	BASE	3.17	85.55	87.00	205499	0.00	2.38	0.0	0.6
WQTV	BASIN-4	BASE	3.25	85.54	87.00	205437	0.00	2.38	0.0	0.6
WQTV	BASIN-4	BASE	3.34	85.54	87.00	205372	0.00	2.38	0.0	0.7
WQTV	BASIN-4	BASE	3.42	85.54	87.00	205306	0.00	2.38	0.0	0.7
WQTV	BASIN-4	BASE	3.50	85.53	87.00	205245	0.00	2.38	0.0	0.7
WQTV	BASIN-4	BASE	3.58	85.53	87.00	205180	0.00	2.37	0.0	0.7
WQTV	BASIN-4	BASE	3.67	85.53	87.00	205114	0.00	2.37	0.0	0.7
WQTV	BASIN-4	BASE	3.75	85.52	87.00	205049	0.00	2.37	0.0	0.7
WQTV	BASIN-4	BASE	3.83	85.52	87.00	204988	0.00	2.37	0.0	0.7
WQTV	BASIN-4	BASE	3.92	85.52	87.00	204921	0.00	2.37	0.0	0.8
WQTV	BASIN-4	BASE	4.01	85.51	87.00	204855	0.00	2.37	0.0	0.8
WQTV	BASIN-4	BASE	4.09	85.51	87.00	204793	0.00	2.37	0.0	0.8
WQTV	BASIN-4	BASE	4.17	85.51	87.00	204727	0.00	2.37	0.0	0.8
WQTV	BASIN-4	BASE	4.25	85.50	87.00	204666	0.00	2.37	0.0	0.8
WQTV	BASIN-4	BASE	4.34	85.50	87.00	204599	0.00	2.37	0.0	0.8
WQTV	BASIN-4	BASE	4.42	85.50	87.00	204533	0.00	2.37	0.0	0.9
WQTV	BASIN-4	BASE	4.50	85.49	87.00	204472	0.00	2.37	0.0	0.9
WQTV	BASIN-4	BASE	4.59	85.49	87.00	204405	0.00	2.37	0.0	0.9
WQTV	BASIN-4	BASE	4.67	85.49	87.00	204344	0.00	2.37	0.0	0.9
WQTV	BASIN-4	BASE	4.75	85.48	87.00	204277	0.00	2.36	0.0	0.9
WQTV	BASIN-4	BASE	4.84	85.48	87.00	204211	0.00	2.36	0.0	0.9
WQTV	BASIN-4	BASE	4.92	85.48	87.00	204150	0.00	2.36	0.0	1.0
WQTV	BASIN-4	BASE	5.01	85.47	87.00	204083	0.00	2.36	0.0	1.0
WQTV	BASIN-4	BASE	5.09	85.47	87.00	204019	0.00	2.36	0.0	1.0
WQTV	BASIN-4	BASE	5.17	85.46	87.00	203956	0.00	2.36	0.0	1.0
WQTV	BASIN-4	BASE	5.25	85.46	87.00	203892	0.00	2.36	0.0	1.0
WQTV	BASIN-4	BASE	5.34	85.46	87.00	203828	0.00	2.36	0.0	1.0
WQTV	BASIN-4	BASE	5.42	85.45	87.00	203764	0.00	2.36	0.0	1.1
WQTV	BASIN-4	BASE	5.50	85.45	87.00	203700	0.00	2.36	0.0	1.1
WQTV	BASIN-4	BASE	5.58	85.45	87.00	203636	0.00	2.36	0.0	1.1
WQTV	BASIN-4	BASE	5.67	85.44	87.00	203572	0.00	2.36	0.0	1.1
WQTV	BASIN-4	BASE	5.75	85.44	87.00	203508	0.00	2.36	0.0	1.1
WQTV	BASIN-4	BASE	5.84	85.44	87.00	203438	0.00	2.35	0.0	1.1
WQTV	BASIN-4	BASE	5.92	85.43	87.00	203374	0.00	2.35	0.0	1.2
WQTV	BASIN-4	BASE	6.01	85.43	87.00	203311	0.00	2.35	0.0	1.2
WQTV	BASIN-4	BASE	6.09	85.43	87.00	203247	0.00	2.35	0.0	1.2
WQTV	BASIN-4	BASE	6.17	85.42	87.00	203183	0.00	2.35	0.0	1.2
WQTV	BASIN-4	BASE	6.25	85.42	87.00	203119	0.00	2.35	0.0	1.2
WQTV	BASIN-4	BASE	6.34	85.42	87.00	203055	0.00	2.35	0.0	1.2
WQTV	BASIN-4	BASE	6.42	85.41	87.00	202991	0.00	2.35	0.0	1.3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-4	BASE	6.50	85.41	87.00	202927	0.00	2.35	0.0	1.3
WQTV	BASIN-4	BASE	6.59	85.41	87.00	202863	0.00	2.35	0.0	1.3
WQTV	BASIN-4	BASE	6.67	85.40	87.00	202800	0.00	2.35	0.0	1.3
WQTV	BASIN-4	BASE	6.75	85.40	87.00	202736	0.00	2.35	0.0	1.3
WQTV	BASIN-4	BASE	6.83	85.40	87.00	202672	0.00	2.35	0.0	1.3
WQTV	BASIN-4	BASE	6.92	85.39	87.00	202607	0.00	2.34	0.0	1.3
WQTV	BASIN-4	BASE	7.00	85.39	87.00	202543	0.00	2.34	0.0	1.4
WQTV	BASIN-4	BASE	7.08	85.38	87.00	202479	0.00	2.34	0.0	1.4
WQTV	BASIN-4	BASE	7.17	85.38	87.00	202414	0.00	2.34	0.0	1.4
WQTV	BASIN-4	BASE	7.25	85.38	87.00	202350	0.00	2.34	0.0	1.4
WQTV	BASIN-4	BASE	7.33	85.37	87.00	202286	0.00	2.34	0.0	1.4
WQTV	BASIN-4	BASE	7.42	85.37	87.00	202221	0.00	2.34	0.0	1.4
WQTV	BASIN-4	BASE	7.50	85.37	87.00	202157	0.00	2.34	0.0	1.5
WQTV	BASIN-4	BASE	7.58	85.36	87.00	202093	0.00	2.34	0.0	1.5
WQTV	BASIN-4	BASE	7.67	85.36	87.00	202028	0.00	2.34	0.0	1.5
WQTV	BASIN-4	BASE	7.75	85.36	87.00	201964	0.00	2.34	0.0	1.5
WQTV	BASIN-4	BASE	7.83	85.35	87.00	201900	0.00	2.34	0.0	1.5
WQTV	BASIN-4	BASE	7.92	85.35	87.00	201835	0.00	2.34	0.0	1.5
WQTV	BASIN-4	BASE	8.00	85.35	87.00	201771	0.00	2.34	0.0	1.6
WQTV	BASIN-4	BASE	8.08	85.34	87.00	201707	0.00	2.33	0.0	1.6
WQTV	BASIN-4	BASE	8.17	85.34	87.00	201642	0.00	2.33	0.0	1.6
WQTV	BASIN-4	BASE	8.25	85.34	87.00	201578	0.00	2.33	0.0	1.6
WQTV	BASIN-4	BASE	8.33	85.33	87.00	201514	0.00	2.33	0.0	1.6
WQTV	BASIN-4	BASE	8.42	85.33	87.00	201449	0.00	2.33	0.0	1.6
WQTV	BASIN-4	BASE	8.50	85.33	87.00	201385	0.00	2.33	0.0	1.7
WQTV	BASIN-4	BASE	8.58	85.32	87.00	201321	0.00	2.33	0.0	1.7
WQTV	BASIN-4	BASE	8.67	85.32	87.00	201256	0.00	2.33	0.0	1.7
WQTV	BASIN-4	BASE	8.75	85.32	87.00	201192	0.00	2.33	0.0	1.7
WQTV	BASIN-4	BASE	8.83	85.31	87.00	201128	0.00	2.33	0.0	1.7
WQTV	BASIN-4	BASE	8.92	85.31	87.00	201064	0.00	2.33	0.0	1.7
WQTV	BASIN-4	BASE	9.00	85.30	87.00	200999	0.00	2.33	0.0	1.8
WQTV	BASIN-4	BASE	9.08	85.30	87.00	200935	0.00	2.33	0.0	1.8
WQTV	BASIN-4	BASE	9.17	85.30	87.00	200871	0.00	2.32	0.0	1.8
WQTV	BASIN-4	BASE	9.25	85.29	87.00	200806	0.00	2.32	0.0	1.8
WQTV	BASIN-4	BASE	9.33	85.29	87.00	200742	0.00	2.32	0.0	1.8
WQTV	BASIN-4	BASE	9.42	85.29	87.00	200678	0.00	2.32	0.0	1.8
WQTV	BASIN-4	BASE	9.50	85.28	87.00	200613	0.00	2.32	0.0	1.8
WQTV	BASIN-4	BASE	9.58	85.28	87.00	200549	0.00	2.32	0.0	1.9
WQTV	BASIN-4	BASE	9.67	85.28	87.00	200485	0.00	2.32	0.0	1.9
WQTV	BASIN-4	BASE	9.75	85.27	87.00	200420	0.00	2.32	0.0	1.9
WQTV	BASIN-4	BASE	9.83	85.27	87.00	200356	0.00	2.32	0.0	1.9
WQTV	BASIN-4	BASE	9.92	85.27	87.00	200292	0.00	2.32	0.0	1.9
WQTV	BASIN-4	BASE	10.00	85.26	87.00	200227	0.00	2.32	0.0	1.9
WQTV	BASIN-4	BASE	10.08	85.26	87.00	200163	0.00	2.32	0.0	2.0
WQTV	BASIN-4	BASE	10.17	85.26	87.00	200099	0.00	2.32	0.0	2.0
WQTV	BASIN-4	BASE	10.25	85.25	87.00	200034	0.00	2.32	0.0	2.0
WQTV	BASIN-4	BASE	10.33	85.25	87.00	199970	0.00	2.31	0.0	2.0
WQTV	BASIN-4	BASE	10.42	85.25	87.00	199906	0.00	2.31	0.0	2.0
WQTV	BASIN-4	BASE	10.50	85.24	87.00	199841	0.00	2.31	0.0	2.0
WQTV	BASIN-4	BASE	10.58	85.24	87.00	199777	0.00	2.31	0.0	2.1
WQTV	BASIN-4	BASE	10.67	85.24	87.00	199713	0.00	2.31	0.0	2.1
WQTV	BASIN-4	BASE	10.75	85.23	87.00	199648	0.00	2.31	0.0	2.1
WQTV	BASIN-4	BASE	10.83	85.23	87.00	199584	0.00	2.31	0.0	2.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-4	BASE	10.92	85.23	87.00	199520	0.00	2.31	0.0	2.1
WQTV	BASIN-4	BASE	11.00	85.22	87.00	199455	0.00	2.31	0.0	2.1
WQTV	BASIN-4	BASE	11.08	85.22	87.00	199391	0.00	2.31	0.0	2.2
WQTV	BASIN-4	BASE	11.17	85.21	87.00	199327	0.00	2.31	0.0	2.2
WQTV	BASIN-4	BASE	11.25	85.21	87.00	199262	0.00	2.31	0.0	2.2
WQTV	BASIN-4	BASE	11.33	85.21	87.00	199198	0.00	2.31	0.0	2.2
WQTV	BASIN-4	BASE	11.42	85.20	87.00	199134	0.00	2.30	0.0	2.2
WQTV	BASIN-4	BASE	11.50	85.20	87.00	199069	0.00	2.30	0.0	2.2
WQTV	BASIN-4	BASE	11.58	85.20	87.00	199005	0.00	2.30	0.0	2.2
WQTV	BASIN-4	BASE	11.67	85.19	87.00	198941	0.00	2.30	0.0	2.3
WQTV	BASIN-4	BASE	11.75	85.19	87.00	198876	0.00	2.30	0.0	2.3
WQTV	BASIN-4	BASE	11.83	85.19	87.00	198812	0.00	2.30	0.0	2.3
WQTV	BASIN-4	BASE	11.92	85.18	87.00	198748	0.00	2.30	0.0	2.3
WQTV	BASIN-4	BASE	12.00	85.18	87.00	198683	0.00	2.30	0.0	2.3
WQTV	BASIN-4	BASE	12.08	85.18	87.00	198619	0.00	2.30	0.0	2.3
WQTV	BASIN-4	BASE	12.17	85.17	87.00	198555	0.00	2.30	0.0	2.4
WQTV	BASIN-4	BASE	12.25	85.17	87.00	198490	0.00	2.30	0.0	2.4
WQTV	BASIN-4	BASE	12.33	85.17	87.00	198426	0.00	2.30	0.0	2.4
WQTV	BASIN-4	BASE	12.42	85.16	87.00	198362	0.00	2.30	0.0	2.4
WQTV	BASIN-4	BASE	12.50	85.16	87.00	198297	0.00	2.30	0.0	2.4
WQTV	BASIN-4	BASE	12.58	85.16	87.00	198233	0.00	2.29	0.0	2.4
WQTV	BASIN-4	BASE	12.67	85.15	87.00	198169	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	12.75	85.15	87.00	198104	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	12.83	85.15	87.00	198040	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	12.92	85.14	87.00	197976	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	13.00	85.14	87.00	197911	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	13.08	85.13	87.00	197847	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	13.17	85.13	87.00	197783	0.00	2.29	0.0	2.5
WQTV	BASIN-4	BASE	13.25	85.13	87.00	197719	0.00	2.29	0.0	2.6
WQTV	BASIN-4	BASE	13.33	85.12	87.00	197654	0.00	2.29	0.0	2.6
WQTV	BASIN-4	BASE	13.42	85.12	87.00	197590	0.00	2.29	0.0	2.6
WQTV	BASIN-4	BASE	13.50	85.12	87.00	197526	0.00	2.29	0.0	2.6
WQTV	BASIN-4	BASE	13.58	85.11	87.00	197461	0.00	2.29	0.0	2.6
WQTV	BASIN-4	BASE	13.67	85.11	87.00	197397	0.00	2.28	0.0	2.6
WQTV	BASIN-4	BASE	13.75	85.11	87.00	197333	0.00	2.28	0.0	2.7
WQTV	BASIN-4	BASE	13.83	85.10	87.00	197268	0.00	2.28	0.0	2.7
WQTV	BASIN-4	BASE	13.92	85.10	87.00	197204	0.00	2.28	0.0	2.7
WQTV	BASIN-4	BASE	14.00	85.10	87.00	197140	0.00	2.28	0.0	2.7
WQTV	BASIN-4	BASE	14.08	85.09	87.00	197075	0.00	2.28	0.0	2.7
WQTV	BASIN-4	BASE	14.17	85.09	87.00	197011	0.00	2.28	0.0	2.7
WQTV	BASIN-4	BASE	14.25	85.09	87.00	196947	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.33	85.08	87.00	196882	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.42	85.08	87.00	196818	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.50	85.08	87.00	196754	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.58	85.07	87.00	196689	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.67	85.07	87.00	196625	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.75	85.07	87.00	196561	0.00	2.28	0.0	2.8
WQTV	BASIN-4	BASE	14.83	85.06	87.00	196496	0.00	2.27	0.0	2.9
WQTV	BASIN-4	BASE	14.92	85.06	87.00	196432	0.00	2.27	0.0	2.9
WQTV	BASIN-4	BASE	15.00	85.05	87.00	196368	0.00	2.27	0.0	2.9
WQTV	BASIN-4	BASE	15.08	85.05	87.00	196303	0.00	2.27	0.0	2.9
WQTV	BASIN-4	BASE	15.17	85.05	87.00	196239	0.00	2.27	0.0	2.9
WQTV	BASIN-4	BASE	15.25	85.04	87.00	196175	0.00	2.27	0.0	2.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-4	BASE	15.33	85.04	87.00	196110	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.42	85.04	87.00	196046	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.50	85.03	87.00	195982	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.58	85.03	87.00	195917	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.67	85.03	87.00	195853	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.75	85.02	87.00	195789	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.83	85.02	87.00	195724	0.00	2.27	0.0	3.0	
WQTV	BASIN-4	BASE	15.92	85.02	87.00	195660	0.00	2.26	0.0	3.1	
WQTV	BASIN-4	BASE	16.00	85.01	87.00	195596	0.00	2.26	0.0	3.1	
WQTV	BASIN-4	BASE	16.08	85.01	87.00	195531	0.00	2.26	0.0	3.1	
WQTV	BASIN-4	BASE	16.17	85.01	87.00	195467	0.00	2.26	0.0	3.1	
WQTV	BASIN-4	BASE	16.25	85.00	87.00	195403	0.00	2.26	0.0	3.1	BASIN-4 WQTV
WQTV	BASIN-4	BASE	16.33	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.42	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.50	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.58	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.67	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.75	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.83	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	16.92	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.00	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.08	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.17	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.25	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.33	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.42	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.50	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.58	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.67	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.75	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.83	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	17.92	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.00	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.08	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.17	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.25	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.33	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.42	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.50	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.58	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.67	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.75	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.83	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	18.92	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.00	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.08	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.17	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.25	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.33	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.42	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.50	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.58	85.00	87.00	195349	0.00	0.00	0.0	3.1	
WQTV	BASIN-4	BASE	19.67	85.00	87.00	195349	0.00	0.00	0.0	3.1	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-4	BASE	77.17	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.25	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.33	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.42	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.50	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.58	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.67	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.75	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.83	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	77.92	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.00	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.08	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.17	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.25	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.33	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.42	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.50	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.58	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.67	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.75	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.83	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	78.92	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.00	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.08	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.17	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.25	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.33	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.42	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.50	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.58	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.67	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.75	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.83	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	79.92	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	80.00	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-4	BASE	80.00	85.00	87.00	195349	0.00	0.00	0.0	3.1
WQTV	BASIN-5	BASE	0.00	87.76	89.00	510593	0.00	0.00	0.0	0.0
WQTV	BASIN-5	BASE	0.08	87.76	89.00	510447	0.00	5.91	0.0	0.0
WQTV	BASIN-5	BASE	0.17	87.75	89.00	510303	0.00	5.91	0.0	0.1
WQTV	BASIN-5	BASE	0.25	87.75	89.00	510158	0.00	5.90	0.0	0.1
WQTV	BASIN-5	BASE	0.33	87.75	89.00	510013	0.00	5.90	0.0	0.1
WQTV	BASIN-5	BASE	0.42	87.74	89.00	509869	0.00	5.90	0.0	0.2
WQTV	BASIN-5	BASE	0.50	87.74	89.00	509724	0.00	5.90	0.0	0.2
WQTV	BASIN-5	BASE	0.58	87.74	89.00	509579	0.00	5.90	0.0	0.3
WQTV	BASIN-5	BASE	0.67	87.73	89.00	509435	0.00	5.90	0.0	0.3
WQTV	BASIN-5	BASE	0.75	87.73	89.00	509290	0.00	5.89	0.0	0.3
WQTV	BASIN-5	BASE	0.83	87.73	89.00	509145	0.00	5.89	0.0	0.4
WQTV	BASIN-5	BASE	0.92	87.72	89.00	508998	0.00	5.89	0.0	0.4
WQTV	BASIN-5	BASE	1.00	87.72	89.00	508854	0.00	5.89	0.0	0.5
WQTV	BASIN-5	BASE	1.09	87.71	89.00	508707	0.00	5.89	0.0	0.5
WQTV	BASIN-5	BASE	1.17	87.71	89.00	508563	0.00	5.89	0.0	0.5
WQTV	BASIN-5	BASE	1.25	87.71	89.00	508417	0.00	5.88	0.0	0.6

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-5	BASE	1.33	87.70	89.00	508276	0.00	5.88	0.0	0.6
WQTV	BASIN-5	BASE	1.42	87.70	89.00	508130	0.00	5.88	0.0	0.7
WQTV	BASIN-5	BASE	1.50	87.70	89.00	507984	0.00	5.88	0.0	0.7
WQTV	BASIN-5	BASE	1.59	87.69	89.00	507837	0.00	5.88	0.0	0.8
WQTV	BASIN-5	BASE	1.67	87.69	89.00	507696	0.00	5.88	0.0	0.8
WQTV	BASIN-5	BASE	1.75	87.69	89.00	507548	0.00	5.87	0.0	0.8
WQTV	BASIN-5	BASE	1.83	87.68	89.00	507407	0.00	5.87	0.0	0.9
WQTV	BASIN-5	BASE	1.92	87.68	89.00	507260	0.00	5.87	0.0	0.9
WQTV	BASIN-5	BASE	2.00	87.68	89.00	507119	0.00	5.87	0.0	1.0
WQTV	BASIN-5	BASE	2.09	87.67	89.00	506969	0.00	5.87	0.0	1.0
WQTV	BASIN-5	BASE	2.17	87.67	89.00	506829	0.00	5.87	0.0	1.0
WQTV	BASIN-5	BASE	2.25	87.67	89.00	506682	0.00	5.86	0.0	1.1
WQTV	BASIN-5	BASE	2.34	87.66	89.00	506534	0.00	5.86	0.0	1.1
WQTV	BASIN-5	BASE	2.42	87.66	89.00	506395	0.00	5.86	0.0	1.2
WQTV	BASIN-5	BASE	2.50	87.66	89.00	506247	0.00	5.86	0.0	1.2
WQTV	BASIN-5	BASE	2.59	87.65	89.00	506100	0.00	5.86	0.0	1.2
WQTV	BASIN-5	BASE	2.67	87.65	89.00	505960	0.00	5.86	0.0	1.3
WQTV	BASIN-5	BASE	2.75	87.65	89.00	505813	0.00	5.85	0.0	1.3
WQTV	BASIN-5	BASE	2.84	87.64	89.00	505662	0.00	5.85	0.0	1.4
WQTV	BASIN-5	BASE	2.92	87.64	89.00	505524	0.00	5.85	0.0	1.4
WQTV	BASIN-5	BASE	3.00	87.63	89.00	505377	0.00	5.85	0.0	1.4
WQTV	BASIN-5	BASE	3.09	87.63	89.00	505230	0.00	5.85	0.0	1.5
WQTV	BASIN-5	BASE	3.17	87.63	89.00	505083	0.00	5.85	0.0	1.5
WQTV	BASIN-5	BASE	3.25	87.62	89.00	504945	0.00	5.84	0.0	1.6
WQTV	BASIN-5	BASE	3.34	87.62	89.00	504798	0.00	5.84	0.0	1.6
WQTV	BASIN-5	BASE	3.42	87.62	89.00	504651	0.00	5.84	0.0	1.6
WQTV	BASIN-5	BASE	3.50	87.61	89.00	504513	0.00	5.84	0.0	1.7
WQTV	BASIN-5	BASE	3.58	87.61	89.00	504365	0.00	5.84	0.0	1.7
WQTV	BASIN-5	BASE	3.67	87.61	89.00	504218	0.00	5.84	0.0	1.8
WQTV	BASIN-5	BASE	3.75	87.60	89.00	504071	0.00	5.83	0.0	1.8
WQTV	BASIN-5	BASE	3.83	87.60	89.00	503933	0.00	5.83	0.0	1.8
WQTV	BASIN-5	BASE	3.92	87.60	89.00	503784	0.00	5.83	0.0	1.9
WQTV	BASIN-5	BASE	4.01	87.59	89.00	503634	0.00	5.83	0.0	1.9
WQTV	BASIN-5	BASE	4.09	87.59	89.00	503496	0.00	5.83	0.0	2.0
WQTV	BASIN-5	BASE	4.17	87.59	89.00	503347	0.00	5.83	0.0	2.0
WQTV	BASIN-5	BASE	4.25	87.58	89.00	503209	0.00	5.82	0.0	2.0
WQTV	BASIN-5	BASE	4.34	87.58	89.00	503059	0.00	5.82	0.0	2.1
WQTV	BASIN-5	BASE	4.42	87.58	89.00	502910	0.00	5.82	0.0	2.1
WQTV	BASIN-5	BASE	4.50	87.57	89.00	502772	0.00	5.82	0.0	2.2
WQTV	BASIN-5	BASE	4.59	87.57	89.00	502622	0.00	5.82	0.0	2.2
WQTV	BASIN-5	BASE	4.67	87.57	89.00	502484	0.00	5.82	0.0	2.2
WQTV	BASIN-5	BASE	4.75	87.56	89.00	502335	0.00	5.81	0.0	2.3
WQTV	BASIN-5	BASE	4.84	87.56	89.00	502185	0.00	5.81	0.0	2.3
WQTV	BASIN-5	BASE	4.92	87.56	89.00	502047	0.00	5.81	0.0	2.4
WQTV	BASIN-5	BASE	5.01	87.55	89.00	501898	0.00	5.81	0.0	2.4
WQTV	BASIN-5	BASE	5.09	87.55	89.00	501754	0.00	5.81	0.0	2.4
WQTV	BASIN-5	BASE	5.17	87.54	89.00	501611	0.00	5.81	0.0	2.5
WQTV	BASIN-5	BASE	5.25	87.54	89.00	501467	0.00	5.80	0.0	2.5
WQTV	BASIN-5	BASE	5.34	87.54	89.00	501323	0.00	5.80	0.0	2.6
WQTV	BASIN-5	BASE	5.42	87.53	89.00	501179	0.00	5.80	0.0	2.6
WQTV	BASIN-5	BASE	5.50	87.53	89.00	501036	0.00	5.80	0.0	2.6
WQTV	BASIN-5	BASE	5.58	87.53	89.00	500892	0.00	5.80	0.0	2.7
WQTV	BASIN-5	BASE	5.67	87.52	89.00	500748	0.00	5.80	0.0	2.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-5	BASE	5.75	87.52	89.00	500604	0.00	5.79	0.0	2.8
WQTV	BASIN-5	BASE	5.84	87.52	89.00	500446	0.00	5.79	0.0	2.8
WQTV	BASIN-5	BASE	5.92	87.51	89.00	500303	0.00	5.79	0.0	2.8
WQTV	BASIN-5	BASE	6.01	87.51	89.00	500159	0.00	5.79	0.0	2.9
WQTV	BASIN-5	BASE	6.09	87.51	89.00	500015	0.00	5.79	0.0	2.9
WQTV	BASIN-5	BASE	6.17	87.50	89.00	499871	0.00	5.79	0.0	3.0
WQTV	BASIN-5	BASE	6.25	87.50	89.00	499728	0.00	5.78	0.0	3.0
WQTV	BASIN-5	BASE	6.34	87.50	89.00	499584	0.00	5.78	0.0	3.0
WQTV	BASIN-5	BASE	6.42	87.49	89.00	499440	0.00	5.78	0.0	3.1
WQTV	BASIN-5	BASE	6.50	87.49	89.00	499297	0.00	5.78	0.0	3.1
WQTV	BASIN-5	BASE	6.59	87.49	89.00	499153	0.00	5.78	0.0	3.2
WQTV	BASIN-5	BASE	6.67	87.48	89.00	499009	0.00	5.78	0.0	3.2
WQTV	BASIN-5	BASE	6.75	87.48	89.00	498865	0.00	5.77	0.0	3.2
WQTV	BASIN-5	BASE	6.83	87.48	89.00	498721	0.00	5.77	0.0	3.3
WQTV	BASIN-5	BASE	6.92	87.47	89.00	498577	0.00	5.77	0.0	3.3
WQTV	BASIN-5	BASE	7.00	87.47	89.00	498432	0.00	5.77	0.0	3.4
WQTV	BASIN-5	BASE	7.08	87.46	89.00	498287	0.00	5.77	0.0	3.4
WQTV	BASIN-5	BASE	7.17	87.46	89.00	498142	0.00	5.77	0.0	3.4
WQTV	BASIN-5	BASE	7.25	87.46	89.00	497997	0.00	5.76	0.0	3.5
WQTV	BASIN-5	BASE	7.33	87.45	89.00	497853	0.00	5.76	0.0	3.5
WQTV	BASIN-5	BASE	7.42	87.45	89.00	497708	0.00	5.76	0.0	3.6
WQTV	BASIN-5	BASE	7.50	87.45	89.00	497563	0.00	5.76	0.0	3.6
WQTV	BASIN-5	BASE	7.58	87.44	89.00	497418	0.00	5.76	0.0	3.6
WQTV	BASIN-5	BASE	7.67	87.44	89.00	497274	0.00	5.76	0.0	3.7
WQTV	BASIN-5	BASE	7.75	87.44	89.00	497129	0.00	5.75	0.0	3.7
WQTV	BASIN-5	BASE	7.83	87.43	89.00	496984	0.00	5.75	0.0	3.8
WQTV	BASIN-5	BASE	7.92	87.43	89.00	496839	0.00	5.75	0.0	3.8
WQTV	BASIN-5	BASE	8.00	87.43	89.00	496695	0.00	5.75	0.0	3.8
WQTV	BASIN-5	BASE	8.08	87.42	89.00	496550	0.00	5.75	0.0	3.9
WQTV	BASIN-5	BASE	8.17	87.42	89.00	496405	0.00	5.75	0.0	3.9
WQTV	BASIN-5	BASE	8.25	87.42	89.00	496260	0.00	5.74	0.0	4.0
WQTV	BASIN-5	BASE	8.33	87.41	89.00	496116	0.00	5.74	0.0	4.0
WQTV	BASIN-5	BASE	8.42	87.41	89.00	495971	0.00	5.74	0.0	4.0
WQTV	BASIN-5	BASE	8.50	87.41	89.00	495826	0.00	5.74	0.0	4.1
WQTV	BASIN-5	BASE	8.58	87.40	89.00	495681	0.00	5.74	0.0	4.1
WQTV	BASIN-5	BASE	8.67	87.40	89.00	495537	0.00	5.74	0.0	4.2
WQTV	BASIN-5	BASE	8.75	87.40	89.00	495392	0.00	5.73	0.0	4.2
WQTV	BASIN-5	BASE	8.83	87.39	89.00	495247	0.00	5.73	0.0	4.2
WQTV	BASIN-5	BASE	8.92	87.39	89.00	495102	0.00	5.73	0.0	4.3
WQTV	BASIN-5	BASE	9.00	87.38	89.00	494957	0.00	5.73	0.0	4.3
WQTV	BASIN-5	BASE	9.08	87.38	89.00	494813	0.00	5.73	0.0	4.3
WQTV	BASIN-5	BASE	9.17	87.38	89.00	494668	0.00	5.73	0.0	4.4
WQTV	BASIN-5	BASE	9.25	87.37	89.00	494523	0.00	5.72	0.0	4.4
WQTV	BASIN-5	BASE	9.33	87.37	89.00	494378	0.00	5.72	0.0	4.5
WQTV	BASIN-5	BASE	9.42	87.37	89.00	494234	0.00	5.72	0.0	4.5
WQTV	BASIN-5	BASE	9.50	87.36	89.00	494089	0.00	5.72	0.0	4.5
WQTV	BASIN-5	BASE	9.58	87.36	89.00	493944	0.00	5.72	0.0	4.6
WQTV	BASIN-5	BASE	9.67	87.36	89.00	493799	0.00	5.72	0.0	4.6
WQTV	BASIN-5	BASE	9.75	87.35	89.00	493655	0.00	5.71	0.0	4.7
WQTV	BASIN-5	BASE	9.83	87.35	89.00	493510	0.00	5.71	0.0	4.7
WQTV	BASIN-5	BASE	9.92	87.35	89.00	493365	0.00	5.71	0.0	4.7
WQTV	BASIN-5	BASE	10.00	87.34	89.00	493220	0.00	5.71	0.0	4.8
WQTV	BASIN-5	BASE	10.08	87.34	89.00	493076	0.00	5.71	0.0	4.8

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-5	BASE	10.17	87.34	89.00	492931	0.00	5.71	0.0	4.9
WQTV	BASIN-5	BASE	10.25	87.33	89.00	492786	0.00	5.70	0.0	4.9
WQTV	BASIN-5	BASE	10.33	87.33	89.00	492641	0.00	5.70	0.0	4.9
WQTV	BASIN-5	BASE	10.42	87.33	89.00	492497	0.00	5.70	0.0	5.0
WQTV	BASIN-5	BASE	10.50	87.32	89.00	492352	0.00	5.70	0.0	5.0
WQTV	BASIN-5	BASE	10.58	87.32	89.00	492207	0.00	5.70	0.0	5.1
WQTV	BASIN-5	BASE	10.67	87.32	89.00	492062	0.00	5.70	0.0	5.1
WQTV	BASIN-5	BASE	10.75	87.31	89.00	491917	0.00	5.69	0.0	5.1
WQTV	BASIN-5	BASE	10.83	87.31	89.00	491773	0.00	5.69	0.0	5.2
WQTV	BASIN-5	BASE	10.92	87.31	89.00	491628	0.00	5.69	0.0	5.2
WQTV	BASIN-5	BASE	11.00	87.30	89.00	491483	0.00	5.69	0.0	5.3
WQTV	BASIN-5	BASE	11.08	87.30	89.00	491338	0.00	5.69	0.0	5.3
WQTV	BASIN-5	BASE	11.17	87.29	89.00	491194	0.00	5.69	0.0	5.3
WQTV	BASIN-5	BASE	11.25	87.29	89.00	491049	0.00	5.68	0.0	5.4
WQTV	BASIN-5	BASE	11.33	87.29	89.00	490904	0.00	5.68	0.0	5.4
WQTV	BASIN-5	BASE	11.42	87.28	89.00	490759	0.00	5.68	0.0	5.4
WQTV	BASIN-5	BASE	11.50	87.28	89.00	490615	0.00	5.68	0.0	5.5
WQTV	BASIN-5	BASE	11.58	87.28	89.00	490470	0.00	5.68	0.0	5.5
WQTV	BASIN-5	BASE	11.67	87.27	89.00	490325	0.00	5.68	0.0	5.6
WQTV	BASIN-5	BASE	11.75	87.27	89.00	490180	0.00	5.67	0.0	5.6
WQTV	BASIN-5	BASE	11.83	87.27	89.00	490036	0.00	5.67	0.0	5.6
WQTV	BASIN-5	BASE	11.92	87.26	89.00	489891	0.00	5.67	0.0	5.7
WQTV	BASIN-5	BASE	12.00	87.26	89.00	489746	0.00	5.67	0.0	5.7
WQTV	BASIN-5	BASE	12.08	87.26	89.00	489601	0.00	5.67	0.0	5.8
WQTV	BASIN-5	BASE	12.17	87.25	89.00	489457	0.00	5.67	0.0	5.8
WQTV	BASIN-5	BASE	12.25	87.25	89.00	489312	0.00	5.66	0.0	5.8
WQTV	BASIN-5	BASE	12.33	87.25	89.00	489167	0.00	5.66	0.0	5.9
WQTV	BASIN-5	BASE	12.42	87.24	89.00	489022	0.00	5.66	0.0	5.9
WQTV	BASIN-5	BASE	12.50	87.24	89.00	488877	0.00	5.66	0.0	6.0
WQTV	BASIN-5	BASE	12.58	87.24	89.00	488733	0.00	5.66	0.0	6.0
WQTV	BASIN-5	BASE	12.67	87.23	89.00	488588	0.00	5.65	0.0	6.0
WQTV	BASIN-5	BASE	12.75	87.23	89.00	488443	0.00	5.65	0.0	6.1
WQTV	BASIN-5	BASE	12.83	87.23	89.00	488298	0.00	5.65	0.0	6.1
WQTV	BASIN-5	BASE	12.92	87.22	89.00	488154	0.00	5.65	0.0	6.1
WQTV	BASIN-5	BASE	13.00	87.22	89.00	488009	0.00	5.65	0.0	6.2
WQTV	BASIN-5	BASE	13.08	87.21	89.00	487864	0.00	5.65	0.0	6.2
WQTV	BASIN-5	BASE	13.17	87.21	89.00	487719	0.00	5.64	0.0	6.3
WQTV	BASIN-5	BASE	13.25	87.21	89.00	487575	0.00	5.64	0.0	6.3
WQTV	BASIN-5	BASE	13.33	87.20	89.00	487430	0.00	5.64	0.0	6.3
WQTV	BASIN-5	BASE	13.42	87.20	89.00	487285	0.00	5.64	0.0	6.4
WQTV	BASIN-5	BASE	13.50	87.20	89.00	487140	0.00	5.64	0.0	6.4
WQTV	BASIN-5	BASE	13.58	87.19	89.00	486996	0.00	5.64	0.0	6.5
WQTV	BASIN-5	BASE	13.67	87.19	89.00	486851	0.00	5.63	0.0	6.5
WQTV	BASIN-5	BASE	13.75	87.19	89.00	486706	0.00	5.63	0.0	6.5
WQTV	BASIN-5	BASE	13.83	87.18	89.00	486561	0.00	5.63	0.0	6.6
WQTV	BASIN-5	BASE	13.92	87.18	89.00	486417	0.00	5.63	0.0	6.6
WQTV	BASIN-5	BASE	14.00	87.18	89.00	486272	0.00	5.63	0.0	6.7
WQTV	BASIN-5	BASE	14.08	87.17	89.00	486127	0.00	5.63	0.0	6.7
WQTV	BASIN-5	BASE	14.17	87.17	89.00	485982	0.00	5.62	0.0	6.7
WQTV	BASIN-5	BASE	14.25	87.17	89.00	485838	0.00	5.62	0.0	6.8
WQTV	BASIN-5	BASE	14.33	87.16	89.00	485693	0.00	5.62	0.0	6.8
WQTV	BASIN-5	BASE	14.42	87.16	89.00	485548	0.00	5.62	0.0	6.8
WQTV	BASIN-5	BASE	14.50	87.16	89.00	485403	0.00	5.62	0.0	6.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-5	BASE	14.58	87.15	89.00	485258	0.00	5.62	0.0	6.9	
WQTV	BASIN-5	BASE	14.67	87.15	89.00	485114	0.00	5.61	0.0	7.0	
WQTV	BASIN-5	BASE	14.75	87.15	89.00	484969	0.00	5.61	0.0	7.0	
WQTV	BASIN-5	BASE	14.83	87.14	89.00	484824	0.00	5.61	0.0	7.0	
WQTV	BASIN-5	BASE	14.92	87.14	89.00	484679	0.00	5.61	0.0	7.1	
WQTV	BASIN-5	BASE	15.00	87.13	89.00	484535	0.00	5.61	0.0	7.1	
WQTV	BASIN-5	BASE	15.08	87.13	89.00	484390	0.00	5.61	0.0	7.2	
WQTV	BASIN-5	BASE	15.17	87.13	89.00	484245	0.00	5.60	0.0	7.2	
WQTV	BASIN-5	BASE	15.25	87.12	89.00	484100	0.00	5.60	0.0	7.2	
WQTV	BASIN-5	BASE	15.33	87.12	89.00	483956	0.00	5.60	0.0	7.3	
WQTV	BASIN-5	BASE	15.42	87.12	89.00	483811	0.00	5.60	0.0	7.3	
WQTV	BASIN-5	BASE	15.50	87.11	89.00	483666	0.00	5.60	0.0	7.4	
WQTV	BASIN-5	BASE	15.58	87.11	89.00	483521	0.00	5.60	0.0	7.4	
WQTV	BASIN-5	BASE	15.67	87.11	89.00	483377	0.00	5.59	0.0	7.4	
WQTV	BASIN-5	BASE	15.75	87.10	89.00	483232	0.00	5.59	0.0	7.5	
WQTV	BASIN-5	BASE	15.83	87.10	89.00	483087	0.00	5.59	0.0	7.5	
WQTV	BASIN-5	BASE	15.92	87.10	89.00	482942	0.00	5.59	0.0	7.5	
WQTV	BASIN-5	BASE	16.00	87.09	89.00	482798	0.00	5.59	0.0	7.6	
WQTV	BASIN-5	BASE	16.08	87.09	89.00	482653	0.00	5.59	0.0	7.6	
WQTV	BASIN-5	BASE	16.17	87.09	89.00	482508	0.00	5.58	0.0	7.7	
WQTV	BASIN-5	BASE	16.25	87.08	89.00	482363	0.00	5.58	0.0	7.7	
WQTV	BASIN-5	BASE	16.33	87.08	89.00	482218	0.00	5.58	0.0	7.7	
WQTV	BASIN-5	BASE	16.42	87.08	89.00	482074	0.00	5.58	0.0	7.8	
WQTV	BASIN-5	BASE	16.50	87.07	89.00	481929	0.00	5.58	0.0	7.8	
WQTV	BASIN-5	BASE	16.58	87.07	89.00	481784	0.00	5.58	0.0	7.9	
WQTV	BASIN-5	BASE	16.67	87.07	89.00	481639	0.00	5.57	0.0	7.9	
WQTV	BASIN-5	BASE	16.75	87.06	89.00	481495	0.00	5.57	0.0	7.9	
WQTV	BASIN-5	BASE	16.83	87.06	89.00	481350	0.00	5.57	0.0	8.0	
WQTV	BASIN-5	BASE	16.92	87.06	89.00	481205	0.00	5.57	0.0	8.0	
WQTV	BASIN-5	BASE	17.00	87.05	89.00	481060	0.00	5.57	0.0	8.0	
WQTV	BASIN-5	BASE	17.08	87.05	89.00	480916	0.00	5.57	0.0	8.1	
WQTV	BASIN-5	BASE	17.17	87.04	89.00	480771	0.00	5.56	0.0	8.1	
WQTV	BASIN-5	BASE	17.25	87.04	89.00	480626	0.00	5.56	0.0	8.2	
WQTV	BASIN-5	BASE	17.33	87.04	89.00	480481	0.00	5.56	0.0	8.2	
WQTV	BASIN-5	BASE	17.42	87.03	89.00	480337	0.00	5.56	0.0	8.2	
WQTV	BASIN-5	BASE	17.50	87.03	89.00	480192	0.00	5.56	0.0	8.3	
WQTV	BASIN-5	BASE	17.58	87.03	89.00	480047	0.00	5.56	0.0	8.3	
WQTV	BASIN-5	BASE	17.67	87.02	89.00	479902	0.00	5.55	0.0	8.3	
WQTV	BASIN-5	BASE	17.75	87.02	89.00	479758	0.00	5.55	0.0	8.4	
WQTV	BASIN-5	BASE	17.83	87.02	89.00	479613	0.00	5.55	0.0	8.4	
WQTV	BASIN-5	BASE	17.92	87.01	89.00	479468	0.00	5.55	0.0	8.5	
WQTV	BASIN-5	BASE	18.00	87.01	89.00	479323	0.00	5.55	0.0	8.5	
WQTV	BASIN-5	BASE	18.08	87.01	89.00	479178	0.00	5.55	0.0	8.5	
WQTV	BASIN-5	BASE	18.17	87.00	89.00	479034	0.00	5.54	0.0	8.6	BASIN-5 WQTV
WQTV	BASIN-5	BASE	18.25	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.33	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.42	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.50	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.58	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.67	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.75	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.83	87.00	89.00	478907	0.00	0.00	0.0	8.6	
WQTV	BASIN-5	BASE	18.92	87.00	89.00	478907	0.00	0.00	0.0	8.6	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-5	BASE	76.42	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	76.50	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	76.58	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	76.67	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	76.75	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	76.83	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	76.92	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.00	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.08	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.17	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.25	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.33	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.42	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.50	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.58	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.67	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.75	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.83	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	77.92	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.00	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.08	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.17	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.25	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.33	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.42	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.50	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.58	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.67	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.75	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.83	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	78.92	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.00	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.08	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.17	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.25	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.33	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.42	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.50	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.58	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.67	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.75	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.83	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	79.92	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	80.00	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-5	BASE	80.00	87.00	89.00	478907	0.00	0.00	0.0	8.6
WQTV	BASIN-6	BASE	0.00	85.28	87.00	390330	0.00	0.00	0.0	0.0
WQTV	BASIN-6	BASE	0.08	85.28	87.00	390239	0.00	4.52	0.0	0.0
WQTV	BASIN-6	BASE	0.17	85.27	87.00	390149	0.00	4.52	0.0	0.0
WQTV	BASIN-6	BASE	0.25	85.27	87.00	390058	0.00	4.51	0.0	0.1
WQTV	BASIN-6	BASE	0.33	85.27	87.00	389968	0.00	4.51	0.0	0.1
WQTV	BASIN-6	BASE	0.42	85.26	87.00	389877	0.00	4.51	0.0	0.1
WQTV	BASIN-6	BASE	0.50	85.26	87.00	389786	0.00	4.51	0.0	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-6	BASE	0.58	85.26	87.00	389696	0.00	4.51	0.0	0.2
WQTV	BASIN-6	BASE	0.67	85.25	87.00	389605	0.00	4.51	0.0	0.2
WQTV	BASIN-6	BASE	0.75	85.25	87.00	389515	0.00	4.51	0.0	0.3
WQTV	BASIN-6	BASE	0.83	85.25	87.00	389424	0.00	4.51	0.0	0.3
WQTV	BASIN-6	BASE	0.92	85.24	87.00	389332	0.00	4.51	0.0	0.3
WQTV	BASIN-6	BASE	1.00	85.24	87.00	389242	0.00	4.51	0.0	0.4
WQTV	BASIN-6	BASE	1.09	85.23	87.00	389150	0.00	4.50	0.0	0.4
WQTV	BASIN-6	BASE	1.17	85.23	87.00	389060	0.00	4.50	0.0	0.4
WQTV	BASIN-6	BASE	1.25	85.23	87.00	388969	0.00	4.50	0.0	0.5
WQTV	BASIN-6	BASE	1.33	85.22	87.00	388880	0.00	4.50	0.0	0.5
WQTV	BASIN-6	BASE	1.42	85.22	87.00	388789	0.00	4.50	0.0	0.5
WQTV	BASIN-6	BASE	1.50	85.22	87.00	388697	0.00	4.50	0.0	0.5
WQTV	BASIN-6	BASE	1.59	85.21	87.00	388605	0.00	4.50	0.0	0.6
WQTV	BASIN-6	BASE	1.67	85.21	87.00	388517	0.00	4.50	0.0	0.6
WQTV	BASIN-6	BASE	1.75	85.21	87.00	388425	0.00	4.50	0.0	0.6
WQTV	BASIN-6	BASE	1.83	85.20	87.00	388336	0.00	4.49	0.0	0.7
WQTV	BASIN-6	BASE	1.92	85.20	87.00	388244	0.00	4.49	0.0	0.7
WQTV	BASIN-6	BASE	2.00	85.20	87.00	388156	0.00	4.49	0.0	0.7
WQTV	BASIN-6	BASE	2.09	85.19	87.00	388062	0.00	4.49	0.0	0.8
WQTV	BASIN-6	BASE	2.17	85.19	87.00	387974	0.00	4.49	0.0	0.8
WQTV	BASIN-6	BASE	2.25	85.19	87.00	387882	0.00	4.49	0.0	0.8
WQTV	BASIN-6	BASE	2.34	85.18	87.00	387790	0.00	4.49	0.0	0.9
WQTV	BASIN-6	BASE	2.42	85.18	87.00	387702	0.00	4.49	0.0	0.9
WQTV	BASIN-6	BASE	2.50	85.18	87.00	387610	0.00	4.49	0.0	0.9
WQTV	BASIN-6	BASE	2.59	85.17	87.00	387518	0.00	4.49	0.0	0.9
WQTV	BASIN-6	BASE	2.67	85.17	87.00	387431	0.00	4.48	0.0	1.0
WQTV	BASIN-6	BASE	2.75	85.17	87.00	387338	0.00	4.48	0.0	1.0
WQTV	BASIN-6	BASE	2.84	85.16	87.00	387244	0.00	4.48	0.0	1.0
WQTV	BASIN-6	BASE	2.92	85.16	87.00	387158	0.00	4.48	0.0	1.1
WQTV	BASIN-6	BASE	3.00	85.15	87.00	387066	0.00	4.48	0.0	1.1
WQTV	BASIN-6	BASE	3.09	85.15	87.00	386973	0.00	4.48	0.0	1.1
WQTV	BASIN-6	BASE	3.17	85.15	87.00	386881	0.00	4.48	0.0	1.2
WQTV	BASIN-6	BASE	3.25	85.14	87.00	386795	0.00	4.48	0.0	1.2
WQTV	BASIN-6	BASE	3.34	85.14	87.00	386703	0.00	4.48	0.0	1.2
WQTV	BASIN-6	BASE	3.42	85.14	87.00	386611	0.00	4.47	0.0	1.3
WQTV	BASIN-6	BASE	3.50	85.13	87.00	386524	0.00	4.47	0.0	1.3
WQTV	BASIN-6	BASE	3.58	85.13	87.00	386432	0.00	4.47	0.0	1.3
WQTV	BASIN-6	BASE	3.67	85.13	87.00	386340	0.00	4.47	0.0	1.3
WQTV	BASIN-6	BASE	3.75	85.12	87.00	386248	0.00	4.47	0.0	1.4
WQTV	BASIN-6	BASE	3.83	85.12	87.00	386162	0.00	4.47	0.0	1.4
WQTV	BASIN-6	BASE	3.92	85.12	87.00	386068	0.00	4.47	0.0	1.4
WQTV	BASIN-6	BASE	4.01	85.11	87.00	385974	0.00	4.47	0.0	1.5
WQTV	BASIN-6	BASE	4.09	85.11	87.00	385888	0.00	4.47	0.0	1.5
WQTV	BASIN-6	BASE	4.17	85.11	87.00	385795	0.00	4.47	0.0	1.5
WQTV	BASIN-6	BASE	4.25	85.10	87.00	385708	0.00	4.46	0.0	1.6
WQTV	BASIN-6	BASE	4.34	85.10	87.00	385615	0.00	4.46	0.0	1.6
WQTV	BASIN-6	BASE	4.42	85.10	87.00	385521	0.00	4.46	0.0	1.6
WQTV	BASIN-6	BASE	4.50	85.09	87.00	385435	0.00	4.46	0.0	1.7
WQTV	BASIN-6	BASE	4.59	85.09	87.00	385341	0.00	4.46	0.0	1.7
WQTV	BASIN-6	BASE	4.67	85.09	87.00	385255	0.00	4.46	0.0	1.7
WQTV	BASIN-6	BASE	4.75	85.08	87.00	385161	0.00	4.46	0.0	1.7
WQTV	BASIN-6	BASE	4.84	85.08	87.00	385068	0.00	4.46	0.0	1.8
WQTV	BASIN-6	BASE	4.92	85.08	87.00	384981	0.00	4.46	0.0	1.8

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-6	BASE	5.01	85.07	87.00	384888	0.00	4.45	0.0	1.8	
WQTV	BASIN-6	BASE	5.09	85.07	87.00	384798	0.00	4.45	0.0	1.9	
WQTV	BASIN-6	BASE	5.17	85.06	87.00	384708	0.00	4.45	0.0	1.9	
WQTV	BASIN-6	BASE	5.25	85.06	87.00	384618	0.00	4.45	0.0	1.9	
WQTV	BASIN-6	BASE	5.34	85.06	87.00	384528	0.00	4.45	0.0	2.0	
WQTV	BASIN-6	BASE	5.42	85.05	87.00	384438	0.00	4.45	0.0	2.0	
WQTV	BASIN-6	BASE	5.50	85.05	87.00	384348	0.00	4.45	0.0	2.0	
WQTV	BASIN-6	BASE	5.58	85.05	87.00	384258	0.00	4.45	0.0	2.1	
WQTV	BASIN-6	BASE	5.67	85.04	87.00	384168	0.00	4.45	0.0	2.1	
WQTV	BASIN-6	BASE	5.75	85.04	87.00	384078	0.00	4.45	0.0	2.1	
WQTV	BASIN-6	BASE	5.84	85.04	87.00	383979	0.00	4.44	0.0	2.1	
WQTV	BASIN-6	BASE	5.92	85.03	87.00	383889	0.00	4.44	0.0	2.2	
WQTV	BASIN-6	BASE	6.01	85.03	87.00	383799	0.00	4.44	0.0	2.2	
WQTV	BASIN-6	BASE	6.09	85.03	87.00	383709	0.00	4.44	0.0	2.2	
WQTV	BASIN-6	BASE	6.17	85.02	87.00	383619	0.00	4.44	0.0	2.3	
WQTV	BASIN-6	BASE	6.25	85.02	87.00	383529	0.00	4.44	0.0	2.3	
WQTV	BASIN-6	BASE	6.34	85.02	87.00	383439	0.00	4.44	0.0	2.3	
WQTV	BASIN-6	BASE	6.42	85.01	87.00	383349	0.00	4.44	0.0	2.4	
WQTV	BASIN-6	BASE	6.50	85.01	87.00	383259	0.00	4.44	0.0	2.4	
WQTV	BASIN-6	BASE	6.59	85.01	87.00	383169	0.00	4.43	0.0	2.4	
WQTV	BASIN-6	BASE	6.67	85.00	87.00	383079	0.00	4.43	0.0	2.5	BASIN-6 WQTV
WQTV	BASIN-6	BASE	6.75	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	6.83	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	6.92	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.00	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.08	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.17	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.25	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.33	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.42	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.50	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.58	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.67	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.75	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.83	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	7.92	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.00	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.08	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.17	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.25	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.33	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.42	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.50	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.58	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.67	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.75	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.83	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	8.92	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	9.00	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	9.08	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	9.17	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	9.25	85.00	87.00	383023	0.00	0.00	0.0	2.5	
WQTV	BASIN-6	BASE	9.33	85.00	87.00	383023	0.00	0.00	0.0	2.5	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-6	BASE	80.00	85.00	87.00	383023	0.00	0.00	0.0	2.5
WQTV	BASIN-7	BASE	0.00	78.65	80.00	325459	0.00	0.00	0.0	0.0
WQTV	BASIN-7	BASE	0.08	78.65	80.00	325381	0.00	3.77	0.0	0.0
WQTV	BASIN-7	BASE	0.17	78.64	80.00	325304	0.00	3.77	0.0	0.0
WQTV	BASIN-7	BASE	0.25	78.64	80.00	325226	0.00	3.76	0.0	0.1
WQTV	BASIN-7	BASE	0.33	78.64	80.00	325149	0.00	3.76	0.0	0.1
WQTV	BASIN-7	BASE	0.42	78.63	80.00	325072	0.00	3.76	0.0	0.1
WQTV	BASIN-7	BASE	0.50	78.63	80.00	324994	0.00	3.76	0.0	0.1
WQTV	BASIN-7	BASE	0.58	78.63	80.00	324917	0.00	3.76	0.0	0.2
WQTV	BASIN-7	BASE	0.67	78.62	80.00	324840	0.00	3.76	0.0	0.2
WQTV	BASIN-7	BASE	0.75	78.62	80.00	324762	0.00	3.76	0.0	0.2
WQTV	BASIN-7	BASE	0.83	78.62	80.00	324685	0.00	3.76	0.0	0.2
WQTV	BASIN-7	BASE	0.92	78.61	80.00	324606	0.00	3.76	0.0	0.3
WQTV	BASIN-7	BASE	1.00	78.61	80.00	324529	0.00	3.76	0.0	0.3
WQTV	BASIN-7	BASE	1.09	78.60	80.00	324451	0.00	3.76	0.0	0.3
WQTV	BASIN-7	BASE	1.17	78.60	80.00	324374	0.00	3.75	0.0	0.4
WQTV	BASIN-7	BASE	1.25	78.60	80.00	324296	0.00	3.75	0.0	0.4
WQTV	BASIN-7	BASE	1.33	78.59	80.00	324220	0.00	3.75	0.0	0.4
WQTV	BASIN-7	BASE	1.42	78.59	80.00	324142	0.00	3.75	0.0	0.4
WQTV	BASIN-7	BASE	1.50	78.59	80.00	324064	0.00	3.75	0.0	0.5
WQTV	BASIN-7	BASE	1.59	78.58	80.00	323985	0.00	3.75	0.0	0.5
WQTV	BASIN-7	BASE	1.67	78.58	80.00	323910	0.00	3.75	0.0	0.5
WQTV	BASIN-7	BASE	1.75	78.58	80.00	323831	0.00	3.75	0.0	0.5
WQTV	BASIN-7	BASE	1.83	78.57	80.00	323756	0.00	3.75	0.0	0.6
WQTV	BASIN-7	BASE	1.92	78.57	80.00	323677	0.00	3.75	0.0	0.6
WQTV	BASIN-7	BASE	2.00	78.57	80.00	323601	0.00	3.75	0.0	0.6
WQTV	BASIN-7	BASE	2.09	78.56	80.00	323521	0.00	3.74	0.0	0.6
WQTV	BASIN-7	BASE	2.17	78.56	80.00	323446	0.00	3.74	0.0	0.7
WQTV	BASIN-7	BASE	2.25	78.56	80.00	323368	0.00	3.74	0.0	0.7
WQTV	BASIN-7	BASE	2.34	78.55	80.00	323289	0.00	3.74	0.0	0.7
WQTV	BASIN-7	BASE	2.42	78.55	80.00	323214	0.00	3.74	0.0	0.7
WQTV	BASIN-7	BASE	2.50	78.55	80.00	323136	0.00	3.74	0.0	0.8
WQTV	BASIN-7	BASE	2.59	78.54	80.00	323057	0.00	3.74	0.0	0.8
WQTV	BASIN-7	BASE	2.67	78.54	80.00	322982	0.00	3.74	0.0	0.8
WQTV	BASIN-7	BASE	2.75	78.54	80.00	322904	0.00	3.74	0.0	0.8
WQTV	BASIN-7	BASE	2.84	78.53	80.00	322823	0.00	3.74	0.0	0.9
WQTV	BASIN-7	BASE	2.92	78.53	80.00	322749	0.00	3.74	0.0	0.9
WQTV	BASIN-7	BASE	3.00	78.52	80.00	322670	0.00	3.73	0.0	0.9
WQTV	BASIN-7	BASE	3.09	78.52	80.00	322592	0.00	3.73	0.0	0.9
WQTV	BASIN-7	BASE	3.17	78.52	80.00	322513	0.00	3.73	0.0	1.0
WQTV	BASIN-7	BASE	3.25	78.51	80.00	322439	0.00	3.73	0.0	1.0
WQTV	BASIN-7	BASE	3.34	78.51	80.00	322361	0.00	3.73	0.0	1.0
WQTV	BASIN-7	BASE	3.42	78.51	80.00	322282	0.00	3.73	0.0	1.0
WQTV	BASIN-7	BASE	3.50	78.50	80.00	322208	0.00	3.73	0.0	1.1
WQTV	BASIN-7	BASE	3.58	78.50	80.00	322129	0.00	3.73	0.0	1.1
WQTV	BASIN-7	BASE	3.67	78.50	80.00	322051	0.00	3.73	0.0	1.1
WQTV	BASIN-7	BASE	3.75	78.49	80.00	321972	0.00	3.73	0.0	1.1
WQTV	BASIN-7	BASE	3.83	78.49	80.00	321898	0.00	3.73	0.0	1.2
WQTV	BASIN-7	BASE	3.92	78.49	80.00	321818	0.00	3.72	0.0	1.2
WQTV	BASIN-7	BASE	4.01	78.48	80.00	321738	0.00	3.72	0.0	1.2
WQTV	BASIN-7	BASE	4.09	78.48	80.00	321665	0.00	3.72	0.0	1.3
WQTV	BASIN-7	BASE	4.17	78.48	80.00	321585	0.00	3.72	0.0	1.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-7	BASE	4.25	78.47	80.00	321511	0.00	3.72	0.0	1.3
WQTV	BASIN-7	BASE	4.34	78.47	80.00	321431	0.00	3.72	0.0	1.3
WQTV	BASIN-7	BASE	4.42	78.47	80.00	321351	0.00	3.72	0.0	1.4
WQTV	BASIN-7	BASE	4.50	78.46	80.00	321277	0.00	3.72	0.0	1.4
WQTV	BASIN-7	BASE	4.59	78.46	80.00	321198	0.00	3.72	0.0	1.4
WQTV	BASIN-7	BASE	4.67	78.46	80.00	321124	0.00	3.72	0.0	1.4
WQTV	BASIN-7	BASE	4.75	78.45	80.00	321044	0.00	3.72	0.0	1.5
WQTV	BASIN-7	BASE	4.84	78.45	80.00	320964	0.00	3.71	0.0	1.5
WQTV	BASIN-7	BASE	4.92	78.45	80.00	320890	0.00	3.71	0.0	1.5
WQTV	BASIN-7	BASE	5.01	78.44	80.00	320810	0.00	3.71	0.0	1.5
WQTV	BASIN-7	BASE	5.09	78.44	80.00	320733	0.00	3.71	0.0	1.6
WQTV	BASIN-7	BASE	5.17	78.43	80.00	320657	0.00	3.71	0.0	1.6
WQTV	BASIN-7	BASE	5.25	78.43	80.00	320580	0.00	3.71	0.0	1.6
WQTV	BASIN-7	BASE	5.34	78.43	80.00	320503	0.00	3.71	0.0	1.6
WQTV	BASIN-7	BASE	5.42	78.42	80.00	320426	0.00	3.71	0.0	1.7
WQTV	BASIN-7	BASE	5.50	78.42	80.00	320349	0.00	3.71	0.0	1.7
WQTV	BASIN-7	BASE	5.58	78.42	80.00	320272	0.00	3.71	0.0	1.7
WQTV	BASIN-7	BASE	5.67	78.41	80.00	320196	0.00	3.71	0.0	1.7
WQTV	BASIN-7	BASE	5.75	78.41	80.00	320119	0.00	3.71	0.0	1.8
WQTV	BASIN-7	BASE	5.84	78.41	80.00	320034	0.00	3.70	0.0	1.8
WQTV	BASIN-7	BASE	5.92	78.40	80.00	319957	0.00	3.70	0.0	1.8
WQTV	BASIN-7	BASE	6.01	78.40	80.00	319880	0.00	3.70	0.0	1.8
WQTV	BASIN-7	BASE	6.09	78.40	80.00	319804	0.00	3.70	0.0	1.9
WQTV	BASIN-7	BASE	6.17	78.39	80.00	319727	0.00	3.70	0.0	1.9
WQTV	BASIN-7	BASE	6.25	78.39	80.00	319650	0.00	3.70	0.0	1.9
WQTV	BASIN-7	BASE	6.34	78.39	80.00	319573	0.00	3.70	0.0	1.9
WQTV	BASIN-7	BASE	6.42	78.38	80.00	319496	0.00	3.70	0.0	2.0
WQTV	BASIN-7	BASE	6.50	78.38	80.00	319419	0.00	3.70	0.0	2.0
WQTV	BASIN-7	BASE	6.59	78.38	80.00	319343	0.00	3.70	0.0	2.0
WQTV	BASIN-7	BASE	6.67	78.37	80.00	319266	0.00	3.70	0.0	2.0
WQTV	BASIN-7	BASE	6.75	78.37	80.00	319189	0.00	3.69	0.0	2.1
WQTV	BASIN-7	BASE	6.83	78.37	80.00	319112	0.00	3.69	0.0	2.1
WQTV	BASIN-7	BASE	6.92	78.36	80.00	319034	0.00	3.69	0.0	2.1
WQTV	BASIN-7	BASE	7.00	78.36	80.00	318957	0.00	3.69	0.0	2.1
WQTV	BASIN-7	BASE	7.08	78.35	80.00	318880	0.00	3.69	0.0	2.2
WQTV	BASIN-7	BASE	7.17	78.35	80.00	318802	0.00	3.69	0.0	2.2
WQTV	BASIN-7	BASE	7.25	78.35	80.00	318725	0.00	3.69	0.0	2.2
WQTV	BASIN-7	BASE	7.33	78.34	80.00	318647	0.00	3.69	0.0	2.2
WQTV	BASIN-7	BASE	7.42	78.34	80.00	318570	0.00	3.69	0.0	2.3
WQTV	BASIN-7	BASE	7.50	78.34	80.00	318493	0.00	3.69	0.0	2.3
WQTV	BASIN-7	BASE	7.58	78.33	80.00	318415	0.00	3.69	0.0	2.3
WQTV	BASIN-7	BASE	7.67	78.33	80.00	318338	0.00	3.68	0.0	2.3
WQTV	BASIN-7	BASE	7.75	78.33	80.00	318261	0.00	3.68	0.0	2.4
WQTV	BASIN-7	BASE	7.83	78.32	80.00	318183	0.00	3.68	0.0	2.4
WQTV	BASIN-7	BASE	7.92	78.32	80.00	318106	0.00	3.68	0.0	2.4
WQTV	BASIN-7	BASE	8.00	78.32	80.00	318028	0.00	3.68	0.0	2.4
WQTV	BASIN-7	BASE	8.08	78.31	80.00	317951	0.00	3.68	0.0	2.5
WQTV	BASIN-7	BASE	8.17	78.31	80.00	317874	0.00	3.68	0.0	2.5
WQTV	BASIN-7	BASE	8.25	78.31	80.00	317796	0.00	3.68	0.0	2.5
WQTV	BASIN-7	BASE	8.33	78.30	80.00	317719	0.00	3.68	0.0	2.6
WQTV	BASIN-7	BASE	8.42	78.30	80.00	317641	0.00	3.68	0.0	2.6
WQTV	BASIN-7	BASE	8.50	78.30	80.00	317564	0.00	3.68	0.0	2.6
WQTV	BASIN-7	BASE	8.58	78.29	80.00	317487	0.00	3.67	0.0	2.6

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	BASIN-7	BASE	8.67	78.29	80.00	317409	0.00	3.67	0.0	2.7
WQTV	BASIN-7	BASE	8.75	78.29	80.00	317332	0.00	3.67	0.0	2.7
WQTV	BASIN-7	BASE	8.83	78.28	80.00	317254	0.00	3.67	0.0	2.7
WQTV	BASIN-7	BASE	8.92	78.28	80.00	317177	0.00	3.67	0.0	2.7
WQTV	BASIN-7	BASE	9.00	78.27	80.00	317100	0.00	3.67	0.0	2.8
WQTV	BASIN-7	BASE	9.08	78.27	80.00	317022	0.00	3.67	0.0	2.8
WQTV	BASIN-7	BASE	9.17	78.27	80.00	316945	0.00	3.67	0.0	2.8
WQTV	BASIN-7	BASE	9.25	78.26	80.00	316867	0.00	3.67	0.0	2.8
WQTV	BASIN-7	BASE	9.33	78.26	80.00	316790	0.00	3.67	0.0	2.9
WQTV	BASIN-7	BASE	9.42	78.26	80.00	316713	0.00	3.67	0.0	2.9
WQTV	BASIN-7	BASE	9.50	78.25	80.00	316635	0.00	3.66	0.0	2.9
WQTV	BASIN-7	BASE	9.58	78.25	80.00	316558	0.00	3.66	0.0	2.9
WQTV	BASIN-7	BASE	9.67	78.25	80.00	316480	0.00	3.66	0.0	3.0
WQTV	BASIN-7	BASE	9.75	78.24	80.00	316403	0.00	3.66	0.0	3.0
WQTV	BASIN-7	BASE	9.83	78.24	80.00	316326	0.00	3.66	0.0	3.0
WQTV	BASIN-7	BASE	9.92	78.24	80.00	316248	0.00	3.66	0.0	3.0
WQTV	BASIN-7	BASE	10.00	78.23	80.00	316171	0.00	3.66	0.0	3.1
WQTV	BASIN-7	BASE	10.08	78.23	80.00	316093	0.00	3.66	0.0	3.1
WQTV	BASIN-7	BASE	10.17	78.23	80.00	316016	0.00	3.66	0.0	3.1
WQTV	BASIN-7	BASE	10.25	78.22	80.00	315939	0.00	3.66	0.0	3.1
WQTV	BASIN-7	BASE	10.33	78.22	80.00	315861	0.00	3.66	0.0	3.2
WQTV	BASIN-7	BASE	10.42	78.22	80.00	315784	0.00	3.65	0.0	3.2
WQTV	BASIN-7	BASE	10.50	78.21	80.00	315706	0.00	3.65	0.0	3.2
WQTV	BASIN-7	BASE	10.58	78.21	80.00	315629	0.00	3.65	0.0	3.2
WQTV	BASIN-7	BASE	10.67	78.21	80.00	315552	0.00	3.65	0.0	3.3
WQTV	BASIN-7	BASE	10.75	78.20	80.00	315474	0.00	3.65	0.0	3.3
WQTV	BASIN-7	BASE	10.83	78.20	80.00	315397	0.00	3.65	0.0	3.3
WQTV	BASIN-7	BASE	10.92	78.20	80.00	315320	0.00	3.65	0.0	3.3
WQTV	BASIN-7	BASE	11.00	78.19	80.00	315242	0.00	3.65	0.0	3.4
WQTV	BASIN-7	BASE	11.08	78.19	80.00	315165	0.00	3.65	0.0	3.4
WQTV	BASIN-7	BASE	11.17	78.18	80.00	315087	0.00	3.65	0.0	3.4
WQTV	BASIN-7	BASE	11.25	78.18	80.00	315010	0.00	3.65	0.0	3.4
WQTV	BASIN-7	BASE	11.33	78.18	80.00	314933	0.00	3.65	0.0	3.5
WQTV	BASIN-7	BASE	11.42	78.17	80.00	314855	0.00	3.64	0.0	3.5
WQTV	BASIN-7	BASE	11.50	78.17	80.00	314778	0.00	3.64	0.0	3.5
WQTV	BASIN-7	BASE	11.58	78.17	80.00	314700	0.00	3.64	0.0	3.5
WQTV	BASIN-7	BASE	11.67	78.16	80.00	314623	0.00	3.64	0.0	3.6
WQTV	BASIN-7	BASE	11.75	78.16	80.00	314546	0.00	3.64	0.0	3.6
WQTV	BASIN-7	BASE	11.83	78.16	80.00	314468	0.00	3.64	0.0	3.6
WQTV	BASIN-7	BASE	11.92	78.15	80.00	314391	0.00	3.64	0.0	3.6
WQTV	BASIN-7	BASE	12.00	78.15	80.00	314313	0.00	3.64	0.0	3.7
WQTV	BASIN-7	BASE	12.08	78.15	80.00	314236	0.00	3.64	0.0	3.7
WQTV	BASIN-7	BASE	12.17	78.14	80.00	314159	0.00	3.64	0.0	3.7
WQTV	BASIN-7	BASE	12.25	78.14	80.00	314081	0.00	3.64	0.0	3.7
WQTV	BASIN-7	BASE	12.33	78.14	80.00	314004	0.00	3.63	0.0	3.8
WQTV	BASIN-7	BASE	12.42	78.13	80.00	313926	0.00	3.63	0.0	3.8
WQTV	BASIN-7	BASE	12.50	78.13	80.00	313849	0.00	3.63	0.0	3.8
WQTV	BASIN-7	BASE	12.58	78.13	80.00	313772	0.00	3.63	0.0	3.8
WQTV	BASIN-7	BASE	12.67	78.12	80.00	313694	0.00	3.63	0.0	3.9
WQTV	BASIN-7	BASE	12.75	78.12	80.00	313617	0.00	3.63	0.0	3.9
WQTV	BASIN-7	BASE	12.83	78.12	80.00	313539	0.00	3.63	0.0	3.9
WQTV	BASIN-7	BASE	12.92	78.11	80.00	313462	0.00	3.63	0.0	3.9
WQTV	BASIN-7	BASE	13.00	78.11	80.00	313385	0.00	3.63	0.0	4.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-7	BASE	13.08	78.10	80.00	313307	0.00	3.63	0.0	4.0	
WQTV	BASIN-7	BASE	13.17	78.10	80.00	313230	0.00	3.63	0.0	4.0	
WQTV	BASIN-7	BASE	13.25	78.10	80.00	313152	0.00	3.62	0.0	4.0	
WQTV	BASIN-7	BASE	13.33	78.09	80.00	313075	0.00	3.62	0.0	4.1	
WQTV	BASIN-7	BASE	13.42	78.09	80.00	312998	0.00	3.62	0.0	4.1	
WQTV	BASIN-7	BASE	13.50	78.09	80.00	312920	0.00	3.62	0.0	4.1	
WQTV	BASIN-7	BASE	13.58	78.08	80.00	312843	0.00	3.62	0.0	4.1	
WQTV	BASIN-7	BASE	13.67	78.08	80.00	312765	0.00	3.62	0.0	4.2	
WQTV	BASIN-7	BASE	13.75	78.08	80.00	312688	0.00	3.62	0.0	4.2	
WQTV	BASIN-7	BASE	13.83	78.07	80.00	312611	0.00	3.62	0.0	4.2	
WQTV	BASIN-7	BASE	13.92	78.07	80.00	312533	0.00	3.62	0.0	4.2	
WQTV	BASIN-7	BASE	14.00	78.07	80.00	312456	0.00	3.62	0.0	4.3	
WQTV	BASIN-7	BASE	14.08	78.06	80.00	312379	0.00	3.62	0.0	4.3	
WQTV	BASIN-7	BASE	14.17	78.06	80.00	312301	0.00	3.61	0.0	4.3	
WQTV	BASIN-7	BASE	14.25	78.06	80.00	312224	0.00	3.61	0.0	4.3	
WQTV	BASIN-7	BASE	14.33	78.05	80.00	312146	0.00	3.61	0.0	4.4	
WQTV	BASIN-7	BASE	14.42	78.05	80.00	312069	0.00	3.61	0.0	4.4	
WQTV	BASIN-7	BASE	14.50	78.05	80.00	311992	0.00	3.61	0.0	4.4	
WQTV	BASIN-7	BASE	14.58	78.04	80.00	311914	0.00	3.61	0.0	4.4	
WQTV	BASIN-7	BASE	14.67	78.04	80.00	311837	0.00	3.61	0.0	4.5	
WQTV	BASIN-7	BASE	14.75	78.04	80.00	311759	0.00	3.61	0.0	4.5	
WQTV	BASIN-7	BASE	14.83	78.03	80.00	311682	0.00	3.61	0.0	4.5	
WQTV	BASIN-7	BASE	14.92	78.03	80.00	311605	0.00	3.61	0.0	4.5	
WQTV	BASIN-7	BASE	15.00	78.02	80.00	311527	0.00	3.61	0.0	4.6	
WQTV	BASIN-7	BASE	15.08	78.02	80.00	311450	0.00	3.60	0.0	4.6	
WQTV	BASIN-7	BASE	15.17	78.02	80.00	311372	0.00	3.60	0.0	4.6	
WQTV	BASIN-7	BASE	15.25	78.01	80.00	311295	0.00	3.60	0.0	4.6	
WQTV	BASIN-7	BASE	15.33	78.01	80.00	311218	0.00	3.60	0.0	4.7	
WQTV	BASIN-7	BASE	15.42	78.01	80.00	311140	0.00	3.60	0.0	4.7	
WQTV	BASIN-7	BASE	15.50	78.00	80.00	311063	0.00	3.60	0.0	4.7	BASIN-7 WQTV
WQTV	BASIN-7	BASE	15.58	78.00	80.00	310985	0.00	3.60	0.0	4.7	
WQTV	BASIN-7	BASE	15.67	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	15.75	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	15.83	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	15.92	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.00	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.08	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.17	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.25	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.33	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.42	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.50	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.58	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.67	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.75	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.83	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	16.92	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	17.00	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	17.08	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	17.17	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	17.25	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	17.33	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	17.42	78.00	80.00	310970	0.00	0.00	0.0	4.7	

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-7	BASE	79.33	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.42	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.50	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.58	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.67	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.75	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.83	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	79.92	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	80.00	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-7	BASE	80.00	78.00	80.00	310970	0.00	0.00	0.0	4.7	
WQTV	BASIN-8	BASE	0.00	86.00	87.00	26704	0.00	0.00	0.0	0.0	BASIN-8 WQTV
WQTV	BASIN-8	BASE	0.00	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.17	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.25	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.33	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.42	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.50	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.58	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.67	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.75	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.83	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	0.92	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.00	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.09	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.17	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.25	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.33	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.42	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.50	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.59	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.67	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.75	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.83	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	1.92	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.00	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.09	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.17	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.25	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.34	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.42	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.50	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.59	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.67	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.75	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.84	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	2.92	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	3.00	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	3.09	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	3.17	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	3.25	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	3.34	86.00	87.00	26704	0.00	0.00	0.0	0.0	
WQTV	BASIN-8	BASE	3.42	86.00	87.00	26704	0.00	0.00	0.0	0.0	

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-8	BASE	78.58	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	78.67	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	78.75	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	78.83	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	78.92	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.08	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.17	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.25	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.33	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.42	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.50	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.58	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.67	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.75	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.83	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	79.92	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	80.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-8	BASE	80.00	86.00	87.00	26704	0.00	0.00	0.0	0.0
WQTV	BASIN-9	BASE	0.00	77.49	79.75	159358	0.00	0.00	0.0	0.0
WQTV	BASIN-9	BASE	0.08	77.49	79.75	159306	0.00	1.84	0.0	0.0
WQTV	BASIN-9	BASE	0.17	77.48	79.75	159254	0.00	1.84	0.0	0.0
WQTV	BASIN-9	BASE	0.25	77.48	79.75	159202	0.00	1.84	0.0	0.0
WQTV	BASIN-9	BASE	0.33	77.48	79.75	159150	0.00	1.84	0.0	0.0
WQTV	BASIN-9	BASE	0.42	77.47	79.75	159097	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	0.50	77.47	79.75	159045	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	0.58	77.47	79.75	158993	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	0.67	77.46	79.75	158941	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	0.75	77.46	79.75	158889	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	0.83	77.46	79.75	158837	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	0.92	77.45	79.75	158784	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	1.00	77.45	79.75	158732	0.00	1.84	0.0	0.1
WQTV	BASIN-9	BASE	1.09	77.44	79.75	158680	0.00	1.84	0.0	0.2
WQTV	BASIN-9	BASE	1.17	77.44	79.75	158628	0.00	1.84	0.0	0.2
WQTV	BASIN-9	BASE	1.25	77.44	79.75	158575	0.00	1.84	0.0	0.2
WQTV	BASIN-9	BASE	1.33	77.43	79.75	158524	0.00	1.83	0.0	0.2
WQTV	BASIN-9	BASE	1.42	77.43	79.75	158472	0.00	1.83	0.0	0.2
WQTV	BASIN-9	BASE	1.50	77.43	79.75	158419	0.00	1.83	0.0	0.2
WQTV	BASIN-9	BASE	1.59	77.42	79.75	158366	0.00	1.83	0.0	0.2
WQTV	BASIN-9	BASE	1.67	77.42	79.75	158316	0.00	1.83	0.0	0.2
WQTV	BASIN-9	BASE	1.75	77.42	79.75	158263	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	1.83	77.41	79.75	158212	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	1.92	77.41	79.75	158159	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	2.00	77.41	79.75	158108	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	2.09	77.40	79.75	158054	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	2.17	77.40	79.75	158004	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	2.25	77.40	79.75	157951	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	2.34	77.39	79.75	157898	0.00	1.83	0.0	0.3
WQTV	BASIN-9	BASE	2.42	77.39	79.75	157847	0.00	1.83	0.0	0.4
WQTV	BASIN-9	BASE	2.50	77.39	79.75	157794	0.00	1.83	0.0	0.4
WQTV	BASIN-9	BASE	2.59	77.38	79.75	157741	0.00	1.83	0.0	0.4
WQTV	BASIN-9	BASE	2.67	77.38	79.75	157691	0.00	1.83	0.0	0.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-9	BASE	2.75	77.38	79.75	157638	0.00	1.82	0.0	0.4
WQTV	BASIN-9	BASE	2.84	77.37	79.75	157584	0.00	1.82	0.0	0.4
WQTV	BASIN-9	BASE	2.92	77.37	79.75	157534	0.00	1.82	0.0	0.4
WQTV	BASIN-9	BASE	3.00	77.36	79.75	157481	0.00	1.82	0.0	0.4
WQTV	BASIN-9	BASE	3.09	77.36	79.75	157428	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.17	77.36	79.75	157375	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.25	77.35	79.75	157326	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.34	77.35	79.75	157273	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.42	77.35	79.75	157220	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.50	77.34	79.75	157170	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.58	77.34	79.75	157117	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.67	77.34	79.75	157064	0.00	1.82	0.0	0.5
WQTV	BASIN-9	BASE	3.75	77.33	79.75	157011	0.00	1.82	0.0	0.6
WQTV	BASIN-9	BASE	3.83	77.33	79.75	156962	0.00	1.82	0.0	0.6
WQTV	BASIN-9	BASE	3.92	77.33	79.75	156908	0.00	1.82	0.0	0.6
WQTV	BASIN-9	BASE	4.01	77.32	79.75	156854	0.00	1.82	0.0	0.6
WQTV	BASIN-9	BASE	4.09	77.32	79.75	156804	0.00	1.81	0.0	0.6
WQTV	BASIN-9	BASE	4.17	77.32	79.75	156751	0.00	1.81	0.0	0.6
WQTV	BASIN-9	BASE	4.25	77.31	79.75	156701	0.00	1.81	0.0	0.6
WQTV	BASIN-9	BASE	4.34	77.31	79.75	156647	0.00	1.81	0.0	0.6
WQTV	BASIN-9	BASE	4.42	77.31	79.75	156593	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	4.50	77.30	79.75	156544	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	4.59	77.30	79.75	156490	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	4.67	77.30	79.75	156440	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	4.75	77.29	79.75	156387	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	4.84	77.29	79.75	156333	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	4.92	77.29	79.75	156283	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	5.01	77.28	79.75	156229	0.00	1.81	0.0	0.7
WQTV	BASIN-9	BASE	5.09	77.28	79.75	156178	0.00	1.81	0.0	0.8
WQTV	BASIN-9	BASE	5.17	77.27	79.75	156126	0.00	1.81	0.0	0.8
WQTV	BASIN-9	BASE	5.25	77.27	79.75	156074	0.00	1.81	0.0	0.8
WQTV	BASIN-9	BASE	5.34	77.27	79.75	156022	0.00	1.81	0.0	0.8
WQTV	BASIN-9	BASE	5.42	77.26	79.75	155971	0.00	1.81	0.0	0.8
WQTV	BASIN-9	BASE	5.50	77.26	79.75	155919	0.00	1.80	0.0	0.8
WQTV	BASIN-9	BASE	5.58	77.26	79.75	155867	0.00	1.80	0.0	0.8
WQTV	BASIN-9	BASE	5.67	77.25	79.75	155816	0.00	1.80	0.0	0.8
WQTV	BASIN-9	BASE	5.75	77.25	79.75	155764	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	5.84	77.25	79.75	155707	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	5.92	77.24	79.75	155655	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	6.01	77.24	79.75	155604	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	6.09	77.24	79.75	155552	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	6.17	77.23	79.75	155500	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	6.25	77.23	79.75	155448	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	6.34	77.23	79.75	155397	0.00	1.80	0.0	0.9
WQTV	BASIN-9	BASE	6.42	77.22	79.75	155345	0.00	1.80	0.0	1.0
WQTV	BASIN-9	BASE	6.50	77.22	79.75	155293	0.00	1.80	0.0	1.0
WQTV	BASIN-9	BASE	6.59	77.22	79.75	155242	0.00	1.80	0.0	1.0
WQTV	BASIN-9	BASE	6.67	77.21	79.75	155190	0.00	1.80	0.0	1.0
WQTV	BASIN-9	BASE	6.75	77.21	79.75	155138	0.00	1.80	0.0	1.0
WQTV	BASIN-9	BASE	6.83	77.21	79.75	155086	0.00	1.79	0.0	1.0
WQTV	BASIN-9	BASE	6.92	77.20	79.75	155034	0.00	1.79	0.0	1.0
WQTV	BASIN-9	BASE	7.00	77.20	79.75	154982	0.00	1.79	0.0	1.0
WQTV	BASIN-9	BASE	7.08	77.19	79.75	154930	0.00	1.79	0.0	1.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	BASIN-9	BASE	7.17	77.19	79.75	154878	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.25	77.19	79.75	154826	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.33	77.18	79.75	154774	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.42	77.18	79.75	154722	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.50	77.18	79.75	154669	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.58	77.17	79.75	154617	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.67	77.17	79.75	154565	0.00	1.79	0.0	1.1
WQTV	BASIN-9	BASE	7.75	77.17	79.75	154513	0.00	1.79	0.0	1.2
WQTV	BASIN-9	BASE	7.83	77.16	79.75	154461	0.00	1.79	0.0	1.2
WQTV	BASIN-9	BASE	7.92	77.16	79.75	154409	0.00	1.79	0.0	1.2
WQTV	BASIN-9	BASE	8.00	77.16	79.75	154357	0.00	1.79	0.0	1.2
WQTV	BASIN-9	BASE	8.08	77.15	79.75	154305	0.00	1.79	0.0	1.2
WQTV	BASIN-9	BASE	8.17	77.15	79.75	154253	0.00	1.79	0.0	1.2
WQTV	BASIN-9	BASE	8.25	77.15	79.75	154201	0.00	1.78	0.0	1.2
WQTV	BASIN-9	BASE	8.33	77.14	79.75	154149	0.00	1.78	0.0	1.2
WQTV	BASIN-9	BASE	8.42	77.14	79.75	154096	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	8.50	77.14	79.75	154044	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	8.58	77.13	79.75	153992	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	8.67	77.13	79.75	153940	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	8.75	77.13	79.75	153888	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	8.83	77.12	79.75	153836	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	8.92	77.12	79.75	153784	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	9.00	77.11	79.75	153732	0.00	1.78	0.0	1.3
WQTV	BASIN-9	BASE	9.08	77.11	79.75	153680	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.17	77.11	79.75	153628	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.25	77.10	79.75	153576	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.33	77.10	79.75	153523	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.42	77.10	79.75	153471	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.50	77.09	79.75	153419	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.58	77.09	79.75	153367	0.00	1.78	0.0	1.4
WQTV	BASIN-9	BASE	9.67	77.09	79.75	153315	0.00	1.77	0.0	1.4
WQTV	BASIN-9	BASE	9.75	77.08	79.75	153263	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	9.83	77.08	79.75	153211	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	9.92	77.08	79.75	153159	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.00	77.07	79.75	153107	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.08	77.07	79.75	153055	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.17	77.07	79.75	153003	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.25	77.06	79.75	152950	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.33	77.06	79.75	152898	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.42	77.06	79.75	152846	0.00	1.77	0.0	1.5
WQTV	BASIN-9	BASE	10.50	77.05	79.75	152794	0.00	1.77	0.0	1.6
WQTV	BASIN-9	BASE	10.58	77.05	79.75	152742	0.00	1.77	0.0	1.6
WQTV	BASIN-9	BASE	10.67	77.05	79.75	152690	0.00	1.77	0.0	1.6
WQTV	BASIN-9	BASE	10.75	77.04	79.75	152638	0.00	1.77	0.0	1.6
WQTV	BASIN-9	BASE	10.83	77.04	79.75	152586	0.00	1.77	0.0	1.6
WQTV	BASIN-9	BASE	10.92	77.04	79.75	152534	0.00	1.77	0.0	1.6
WQTV	BASIN-9	BASE	11.00	77.03	79.75	152482	0.00	1.76	0.0	1.6
WQTV	BASIN-9	BASE	11.08	77.03	79.75	152430	0.00	1.76	0.0	1.6
WQTV	BASIN-9	BASE	11.17	77.02	79.75	152377	0.00	1.76	0.0	1.7
WQTV	BASIN-9	BASE	11.25	77.02	79.75	152325	0.00	1.76	0.0	1.7
WQTV	BASIN-9	BASE	11.33	77.02	79.75	152273	0.00	1.76	0.0	1.7
WQTV	BASIN-9	BASE	11.42	77.01	79.75	152221	0.00	1.76	0.0	1.7
WQTV	BASIN-9	BASE	11.50	77.01	79.75	152169	0.00	1.76	0.0	1.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
WQTV	BASIN-9	BASE	11.58	77.01	79.75	152117	0.00	1.76	0.0	1.7	
WQTV	BASIN-9	BASE	11.67	77.00	79.75	152065	0.00	1.76	0.0	1.7	BASIN-9 WQTV
WQTV	BASIN-9	BASE	11.75	77.00	79.75	152013	0.00	1.76	0.0	1.7	
WQTV	BASIN-9	BASE	11.83	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	11.92	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.00	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.08	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.17	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.25	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.33	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.42	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.50	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.58	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.67	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.75	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.83	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	12.92	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.00	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.08	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.17	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.25	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.33	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.42	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.50	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.58	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.67	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.75	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.83	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	13.92	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.00	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.08	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.17	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.25	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.33	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.42	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.50	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.58	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.67	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.75	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.83	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	14.92	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.00	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.08	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.17	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.25	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.33	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.42	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.50	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.58	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.67	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.75	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.83	77.00	79.75	152007	0.00	0.00	0.0	1.7	
WQTV	BASIN-9	BASE	15.92	77.00	79.75	152007	0.00	0.00	0.0	1.7	

Appendix B

Operation and Maintenance Requirements and
Erosion and Sedimentation Control Requirements

Operation and Maintenance Plan

Proposed operation and maintenance and soil erosion and sediment control practices are outlined in the following paragraphs.

Surface Water Management Facilities

The man-made surface water facilities shall be maintained free of sediments and debris. Areas shall be inspected on a routine basis and nuisance plants shall be removed a minimum of twice annually. Grassed areas shall be mowed a minimum of 6 times per year. The natural systems shall be least disturbed as possible. Minimal maintenance is required for the natural and undisturbed areas. All basins shall be inspected monthly. Monthly documentation shall be noted based upon the inspection findings.

Erosion Control

All erosion damage at spillways, outfall structures, and along basin side slopes shall be repaired (grading and grassing) as conditions occur. All side slopes and other areas disturbed by construction shall be stabilized by sodding, hydro-mulching or other appropriate vegetative or non-vegetative erosion control measures.

Swale/Ditch

All swales, if any, shall be maintained free of debris and sediment. Sediments shall be removed when the depth has been reduced by 20 percent. Sediments removed from swales/ditches should be evenly spread over grassed areas away from the stormwater management facilities.

Culverts, Pipes and Structures

All pipe, if any, shall be inspected bi-annually. Culverts and pipes shall be maintained free of debris and sediment. Sediments removed from culverts and pipes should be evenly spread over grassed areas away from the stormwater management facilities.

The structures and paved flow lines, if any, shall be maintained clear of debris. Remove any debris and silt collected in inlets and pipes as routine inspections dictates.
As means of visually inspecting the underground stormwater systems to ensure appropriate performance, visual inspections should be performed after major storm events by inspecting the structures placed on the system for maintenance purposes.

Inspection Reporting

Annual inspection reports, prepared by a properly licensed professional engineer, should be submitted to the water management district as appropriate. The engineer shall inspect the site and report on the status and function of the system. Noted deficiencies and/or maintenance

requirements shall be reported to the owner with recommendations for repairs. Repairs shall be executed.

Limerock/Sinkhole

If continuous limerock is encountered during excavation of the swales/basin or if a sinkhole forms in the area of a drainage swale/basin the engineer of record shall be notified by either the contractor or the established operation and maintenance entity. The engineer of record shall inspect the repaired area upon completion of the repair.

Where continuous limerock is encountered during excavation of the swales/basins, the limerock shall be over excavated by 2 feet and replaced with Putnamey soils that extend 2 feet beyond the perimeter of the limerock outcropping. The Putnamey soil shall have at least 20% passing the no. 200 sieve, compacted to 95% of standard proctor, and compacted in a wet condition with moisture 2% - 4% above optimum.

All swales/basins shall be inspected monthly for sinkhole occurrence. Should a sinkhole occur, the area shall be repaired as soon as possible. Repair shall include filling (limerock such as road base material, Putnam/sand mixture, or concrete if necessary). A 2-foot deep cap that extends 2 feet beyond the perimeter of the sinkhole shall be constructed with Putnamey soils. The Putnamey soil shall have at least 20% passing the no. 200 sieve, compacted to 95% of standard proctor, and compacted in a wet condition with moisture 2% - 4% above optimum. The Putnam soil cap shall be re-graded to prevent concentration of waters (ponding) and re-vegetated.

Outfall Structures

All outfall and drawdown orifices are to be inspected bi-annually for sediment or debris in the flow line of weirs or orifices. All sediment and debris should be removed and disposed of in an approved manner.

Operation & Maintenance Entity:

Pleasant Solar, LLC
301 N. Lake Ave Ste 950
Pasadena, CA 91101

Appendix C

Geotechnical Report

GSE Engineering & Consulting, Inc.

August 21, 2023

Andy Cerrato
Solariant Capital, LLC
301 North Lake Avenue, Suite 950
Pasadena, California 91101

Summary Report of a Peer Review
Proposed Pleasant Solar Project
Alachua, Alachua County, Florida
GSE Project No. 16203

GSE Engineering & Consulting, Inc. (GSE) has performed a peer review of a geotechnical engineering report prepared for the proposed Pleasant Solar Project in Alachua, Alachua County, Florida.

This peer review was performed in accordance with GSE Proposal No. 2023-496 dated July 28, 2023. You authorized our services on July 28, 2023. The remainder of this report summarizes background information, general site observations, review of published data, review of the ANS Geo geotechnical report, and our associated evaluation and opinions.

Background Information

We understand that you propose to develop this site into a solar power generation facility. The site is located on the west side of NW C.R. 235A between NW 138th Avenue and NW C.R. 2054 in Alachua, Alachua County, Florida.

The site contains approximately 279 acres of agricultural or wooded land. You propose to site solar facilities over much of the site, and provide stormwater drainage though existing natural low areas on the site.

You retained ANS Geo to perform a geotechnical site exploration at the site. ANS Geo prepared a *Geotechnical Report* for the Pleasant Solar Project dated July 13, 2023 (Rev.3). You provided this report to GSE for a peer review.

You have requested this peer review to mainly focus on the karst geology of the site, the risk for sinkhole development related to the karst geology and the approach to providing stormwater management at the site. As part of this peer review, we reviewed the ANS Geo report and published regional geology data, groundwater data, soil survey data and historical aerial photographs. Additionally, we performed a site visit to observe certain site features.

General Site Conditions and Observations

Mr. Kenneth L. Hill, P.E. visited the site on July 28, 2023 to observe the site conditions. The majority of the site is in pasture or row-crops. The western portion of the site was recently harvested of timber and is covered in scrub. Some woods remain along the west side of the pasture and at the locations of the two depressional features. The site topography is gently rolling, with a steeper hillside at the north leg of the site.

The site is located in an area of gently rolling hills. A site Topographic Survey provided by CHW Professional Consultants (CHW) indicates the site elevations range from about 72 to 132 feet. The Alachua County GIS Map Genius[1] Lidar topography generally correlates well with the CHW topographic survey. The majority of the site is near elevations 75 to 90 feet. The northeast leg of the site is on a hillside that slopes down to the south. The highest elevation is along this northern property line at elevation 132 feet.

There are many shallow, broad closed depressional features throughout the site. There are two more pronounced depressional features at the southwest corner of the site. One feature is approximately 100 feet across and 10 feet deep. This feature has a top elevation of 85 feet and a bottom elevation of 75 feet. This feature is best described as a broad, bowl-shaped depression with consistent side slopes. This feature is wooded with scattered large trees and sparse underbrush. Our observation of this feature indicates it does not contain standing water for any appreciable amount of time. We observed no limestone in the slopes of this feature, or voids or chimneys in the bottom of this feature.

The second feature is located approximately 200 feet northwest of the first feature, and consists of a steeply sided depression. This feature is oval in shape, and approximately 70 feet wide by 90 feet long. This feature has a top elevation of 85 feet and a bottom elevation of 39 feet. This feature is heavily wooded and covered with brush and vines and is generally not accessible. We were able to access this feature along the east side, and observed the bottom of the feature from approximately half way down the side slope. This feature contains standing water, and review of historical aerials suggests it contains standing water much of the time. We did not observe any limestone in the side slopes of this feature, or open voids or chimneys in this feature.

Photographs of these two features are shown below.



Photograph of Broad Depressional Feature.



Photograph of Steep Sided Depressional Feature.

[1] www.MapGenius.AlachuaCounty.us

A small depressional feature is located along the northern property line in the western portion of the site. The CHW topographic survey indicates this depression is about 20 feet in diameter. The top of this feature is at elevation 80 feet and the bottom is at elevation 70 feet. The topographic contours suggest this is a bowl-shaped depression. We did not observe this depression.

We understand a third depressional feature was located in the south-central portion of the site at the east edge of the wooded area, but was filled by the current property owner a few years ago. A review of historical aerials suggests this feature was about 100 feet in diameter.

There are two low areas surrounded by soil embankments south of the open-air barn. The topographic contours in this area suggest these are man-made, and appear to be the remnants of two in-ground silage storage facilities associated with the farming activities.

Review of Published Soil Information

The Alachua County Soil Survey[2] maps ten soil groups at the site, but approximately two-thirds of the site is mapped as either Arredondo fine sand or Fort Meade fine sand. All of the soil types at the site are described in detail in the ANS Geo report.

The Arredondo soil group typically consists of 62 inches of fine sand overlying loamy fine sand (silty sand) to a depth of 69 inches. Sandy clay (clayey sand) then extends to the maximum mapped depth of 80 inches. Groundwater is typically deeper than 80 inches.

The Fort Meade soil group typically consists of more than 85 inches of fine sand. This soil group has a water table deeper than 85 inches.

Review of Published Regional Geology

Alachua County straddles two physiographic provinces: Northern Highlands and Coastal Lowlands[3]. A broad karst escarpment known as the Cody Scarp separates these two provinces. This site generally lies within the Cody Scarp but is on the edge of the Coastal Lowlands.

The Northern Highlands, which lie north and east of the Cody Scarp, are underlain by a thick sequence of relatively impermeable Miocene to Pleistocene sediments. Because of this thick sequence of sediments, the Northern Highlands Province contains few karst features. This upland plateau is nearly level, sloping gently to the west, north and east. Elevation ranges from about 150 to 200 feet above sea level. The plateau, which originally extended completely across the county, has many swamps. Sinkholes are not common within the plateau, but a few are found near its margin.

[2] United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey.

[3] White, W.A., 1970. The Geomorphology of the Florida Peninsula. Florida Geological Survey, Bulletin 51.

Thin Plio-Pleistocene sediments overlying thin and discontinuous, residual Miocene strata and Eocene limestone characterize the Coastal Lowlands. Karst features are numerous in the Lowlands. The Lowlands region generally has low topographic relief; elevations range from about 50 to 80 feet above sea level. The Lowlands is devoid of stream channels, but it is dotted with sinks and limestone mines. While the Ocala Limestone is essentially near the surface in this region, many of the old sinks have become filled (some to a depth of 250 feet) with sand, clayey sand, and sandy clay. These soil materials come from marine submergence, soil creep and slumping, and stream transport from the Northern Highlands. This sinkhole fill tends to mask many of the karst irregularities of the Ocala surface.

The Cody Scarp, which separates the Northern Highlands from the Coastal Lowlands, contains large sinkholes, sinking streams, and other karst features. The bottoms of the karst features often penetrate to the Ocala Limestone and the depressions are usually filled with organic soils, fluvial and lacustrine sediments, and clay-rich soils. The hills within the scarp contain Miocene sediments similar to the Northern Highlands Province. Many of the large, flat-bottomed lakes and wet prairies are associated with the scarp and represent coalescent sinkholes known as poljes and uvalas. Many of these level prairies and lakes, most of which are near or below 60 feet NGVD, are associated with ground water levels.

Three major geologic formations occur at or near the surface within the county. These formations have influenced soil development. They are, in order of decreasing age, the Ocala Limestone of Eocene age, the Miocene to Pliocene Hawthorn Group, and the Plio-Pleistocene Terrace Deposits.

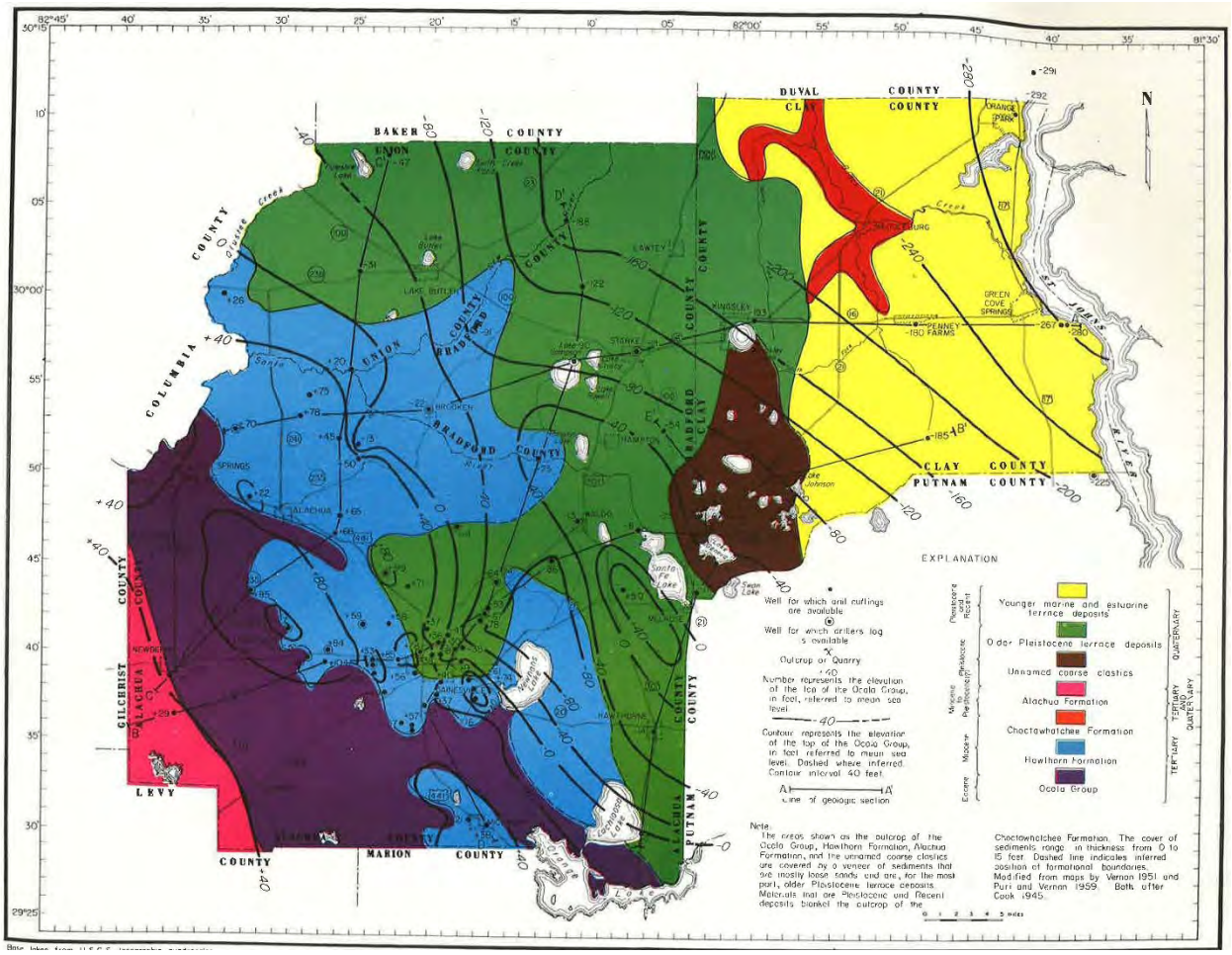
The Ocala Limestone underlies the entire county; exposures are common in the Coastal Lowlands in the southern and western parts of the county. Here a limestone plain is formed which is covered by a veneer of loose sand in most places. Thin and discontinuous beds of clay-rich soils may also occur in this region of the county. The Ocala Limestone consists of soft, white to cream colored, chalky, limestone that is approximately 98 percent calcium carbonate. Boulders and irregular masses of chert are common near the top. In many areas the Ocala is cavernous and fractured.

The Miocene Hawthorn Group includes at least three formations in Alachua County. These are, from bottom to top, the Penny Farms Formation, Marks Head Formation, and Coosawhatchie Formation[4]. All three formations consist of varying proportions of interbedded clay, sand, limestone, and dolostone, all of which are phosphatic. The Hawthorn Group crops out in isolated areas around the town of Micanopy and in an irregular pattern along the Cody Scarp from Lochloosa Lake northwestward through Gainesville and into the north-Northern and northwestern part of the County. Much of the outcrop area is hill and valley terrain created by the formation of karst features at the foot of the escarpment. A thin veneer of loose sands of the older Plio-Pleistocene Terrace deposits covers the Hawthorn Group of sediments in the Cody Scarp and Northern Highlands. The Hawthorn Group lies unconformably on the solution-pitted Ocala Limestone surface.

The most recent formation is a surface mantle of fine to medium sand, silt, and clay that formed as Pliocene and Pleistocene sea levels fluctuated and periodically inundated portions of the county. Primarily, the terrace deposits overlie the Hawthorn Group. They are exposed in the Northern and eastern parts of the county.

[4] Scott, T.M., 1988. The Lithostratigraphy of the Hawthorn Group (Miocene) of Florida. Florida Geological Survey, Bulletin No. 59.

The karst geology of the site is associated with the variability of the Ocala Limestone formation. The surface of the Ocala Limestone commonly approaches elevation 80 feet in the area of the Coastal Lowlands between Newberry and Alachua (south of Alachua). West of Alachua, the surface of the Ocala Limestone dips to elevation 40 feet[5]. Based upon this mapping, the surface of the Ocala Limestone should be in the vicinity of elevations 50 to 60 feet at this site. This mapping is shown below.



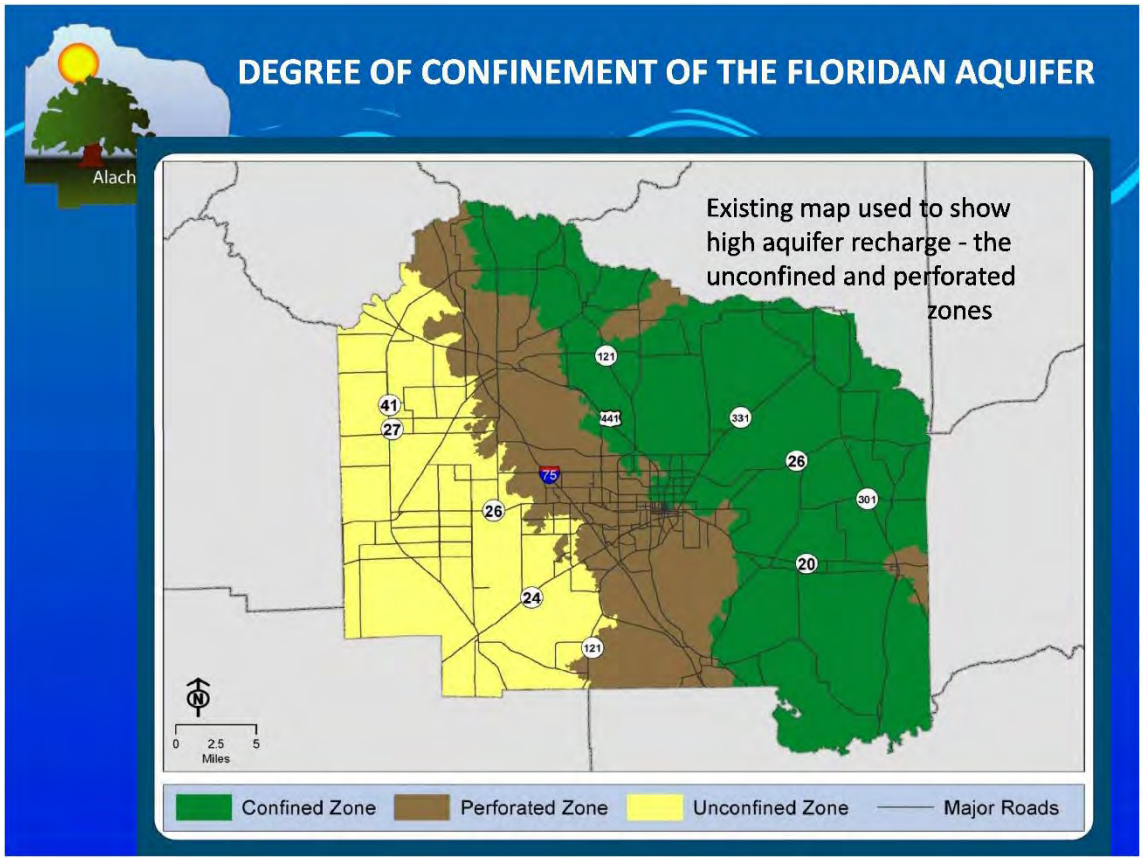
Topographic Map of Ocala Limestone Formation.

The site is located within the Cody Scarp geology in the northwestern portion of Alachua County. The primary geology features in this area are the Ocala Group Limestone and the Hawthorne Group sediments. These are described in more detail in the ANS Geo report. The majority of the site is mapped within the Ocala Group Limestone, while the northern portion of the site is within the Hawthorne Group sediments. However, based upon the findings from the soil borings performed at the site, the above map of the surface of the Ocala Limestone and our observation of the depressional features, it is our opinion all of the site is within the Hawthorne Group sediments, and the reasons for this are discussed in further detail where we review the ANS Geo findings.

[5] Florida Geological Survey, Report of Investigations No. 35, Water Resources of Alachua, Bradford, Clay and Union Counties, Florida, 1964.

Alachua County also separates areas of the County into Aquifer Recharge Zones. These zones are Unconfined, Perforated and Confined. The Unconfined Zone generally follows the area of the Coastal Lowlands geology. In the Unconfined Zone, the confining clay-rich soils are absent or sparse, allowing surface water to rapidly recharge the Floridan Aquifer. The Perforated Zone has areas that are unconfined and other areas that are partially to completely confined. Surface waters typically "leak" through the areas of perforation. The Unconfined and Perforated Zones typically do not have a continuous surficial groundwater table; surficial groundwater is typically a transient, perched condition. The Confined Zone is located in the Northern Highlands geology. Here the deep confining soils prevent the surface waters from rapidly infiltrating, resulting in a surficial groundwater table that is commonly present even in drought conditions.

Below is the County Map of the Aquifer Recharge Zones. This site is mapped at the transition from the Unconfined Zone to the Perforated Zone. Based upon the soil borings performed by ANS Geo, the site is in the Perforated Zone.



Map Showing Confinement of the Floridan Aquifer in Alachua County.

Review of the Floridan Aquifer Data

The Floridan Aquifer is the primary drinking water aquifer for most of the State. This aquifer is located within the limestone formation and occurs from recharge of stormwater. The Aquifer is generally confined in the Northern Highlands and most of the Cody Scarp regions, and is unconfined in the Coastal Lowlands.

The State of Florida monitors the potentiometric surface of the Floridan Aquifer and routinely publishes contour maps, similar to topographic maps, showing the potentiometric surface elevation of the Aquifer. This elevation can vary by as much as 10 feet or more, depending upon rainfall conditions. The 1980 contour map[6] shows the potentiometric surface of the Floridan Aquifer to be near elevation 40 in the area southwest of Alachua. The 2005 contour map[7] shows a similar 40 feet elevation.

Review of Historical Aerials

As part of our peer review, we reviewed historical aerials of the site to observe any changes in the site. We observed aerials from 1937, 1949, 1964, 1971, 1982 and 1994 obtained from FDOT or the UF Science Library (attached in the Appendix). Additionally, we reviewed more recent Google aerials.

The 1937 aerial is of low quality, but shows that the majority of the site is open pasture. Woods are present around the step sloped depression and east of this depression. The broad depression is open pasture. The small filled depression appears as a small wooded area. The small depression along the north property line is not apparent, as this is within a wooded area. There is a homestead along the south property line, west of the current entrance drive.

The 1949 aerial is of better quality, and shows no significant change since 1937.

The 1964 aerial shows the western portion of the site has been planted in pine trees. The remainder of the site is generally unchanged.

The 1971 aerial is mostly unchanged from 1964. The planted pine trees at the western portion of the site are more mature. Two barns have been constructed in the center of the site which still exist. The main entrance road has been moved a few hundred feet to the east.

In the 1982 aerial, the planted pine trees at the western portion of the site have been harvested, and new pine trees have been planted, again encompassing the large broad depression. There is ground disturbance southwest of the barns, in the area that is believed to be the abandoned silage storage area. The remainder of the site remains unchanged.

In the 1994 aerial, the planted pine trees are more mature. The area of ground disturbance southwest of the barns is more defined, and shows this is likely a silage storage facility. Three irrigation booms have been added to the eastern portion of the site. Most of the buildings at the homestead have been removed. The remainder of the site remains mostly unchanged.

The recent 2018 aerial shows the site mostly in its current condition. The small depression at the east edge of the woods has been filled and is no longer apparent. The remainder of the buildings around the homestead have been removed. The western portion of the site is in mature planted pines; these pines were recently harvested. The area of the silage storage is mostly abandoned. The irrigation booms are no longer present.

[6] Open File Report 80-1199, Potentiometric Surface Map of the Floridan Aquifer in Alachua County, Florida, 1980.

[7] Potentiometric Surface of the Upper Floridan Aquifer in the Suwannee River Water Management District, May 2005.

Overall, the historical aerials show little significant change in the site, other than what is expected for improvements in agricultural service. The aerials show little change in the appearance of the steep sloped depression in the southwest portion of the site. This is expected, as relic sinkholes typically require hundreds to thousands of years to appreciably change. The aerials do not have indicators of prolonged standing water in the lower elevations, even in the large broad depression in the southwest portion of the site. In fact, pine trees were planted two times through this broad depression which confirms that this low area does not have standing water for any appreciable time.

Review of ANS Geo Report

ANS Geo performed a geotechnical study at the site that included soil borings and geophysical investigation methods, laboratory testing, field in-situ infiltration tests, load testing of typical foundation elements and an evaluation of their findings.

ANS Geo performed a total of thirty-four soil borings at the site. Borings B-01 through B-10 were Standard Penetration Test (SPT) soil borings advanced to a depth of 20 feet. Borings B-BESS-01 and B-SS-01 were SPT borings advanced to depths of 55 and 50 feet, respectively. Borings IB-01 through IB-22 were SPT borings advanced to a depth of 10 feet.

The soil borings performed at the site generally encountered a relatively consistent subsurface profile of sand overlying clayey sand and sandy clay to clay soils. The depth of the surficial sands ranged from about 2 to 17 feet, but at most locations was on the order of 4 to 8 feet deep.

Limestone was encountered only at location B-BESS-01 at a depth of 52.5 feet. Boring B-BESS-01 had three isolated instances of drilling fluid circulation loss at depths of 17, 22 and 40 feet, but circulation returned after an additional one foot of drilling progressed. This is normal drilling conditions in clay-rich soils in Alachua County, and is not an indicator of sinkhole activity. The clay was soft just above the limestone at a depth of 50 feet, but this is common and is related to the epikarst zone. The epikarst zone is the transition from soil to limestone, and is commonly highly weathered and soft. This soft condition also is not an indicator of sinkhole activity.

Groundwater was encountered only at three locations at depths of 12 to 13 feet. The soil borings were performed in April 2023 during the dry season.

ANS Geo performed in situ, field infiltration tests at twenty-two locations. The tests were generally performed at depths of 4.5 to 8 feet. The tests resulted in infiltration rates ranging from 0 to 720 inches per hour, with a median infiltration rate of 22 inches per hour.

ANS Geo performed electrical resistivity imaging (ERI) at three areas at the site. ERI Survey Line 1 was located near the north property line near the northwest portion of the site, ERI Survey Lines 2, 3 and 5 were located along the perimeter or north of the steep sloped depression and ERI Survey Line 6 was located near the infilled depression. ERI survey Line 4 was not performed due to accessibility constraints.

ERI is a geophysical method that uses electrical current, or in this case, the resistance to electrical current flow, to estimate the varying soil and rock layers that are present. Soil type (sand, silt clay and rock) can be estimated based upon the apparent resistivity. The data is used to draw cross-sections of apparent resistivity, which can be interpreted to be the various soil and rock layering. In karst geology, the testing is used to identify possible breaches and dips in the rock formation, as well as possible cavities and zones of soil subsidence. Soil borings are typically performed to confirm (ground truth) the ERI findings.

ANS Geo mapped the various soil and rock layering based upon accepted resistivity values. ERI-1 detected the limestone formation at depths of about 20 to more than 40 feet. ERI-2, 3 and 5 did not detect indicators of limestone within the estimated 120 feet of penetration depth. ERI-6 detected limestone at depths of 20 to more than 40 feet, with a possible breach in the limestone for a lateral distance of about 50 feet. ANS Geo provided a plan with recommended setbacks for three areas of highly karst geology (the three areas of relic sinkholes).

ANS Geo did not perform ground penetrating radar (GPR) at the site. Based upon our review of the soil borings performed at the site, GPR would not likely provide any significant data due to the attenuation (absorption) of the GPR signal by the clay-rich soils.

Evaluations

ANS Geo performed a geotechnical study at the site and our review of the *Geotechnical Report* has found no interpretation that are substantially different than our opinions based upon the conditions encountered. ANS Geo prepared a well-documented discussion of the regional geology, but we are providing additional discussion of the regional geology and risk for sinkhole development based upon our experience in this area. Additionally, we are providing a discussion of the drainage characteristics of the site.

The proposed Pleasant Solar Project is located west of Alachua, Florida in the Cody Scarp transition region between the Coastal Lowlands and Northern Highlands geology. ANS Geo performed thirty-four soil borings at the site to depths of 10 to 55 feet. All but two of the soil borings were terminated at 20 feet deep or less. Only soil boring B-BESS-01 encountered limestone, which was at a depth of 52 feet. Based upon the topographic survey prepared by CHW, the elevation of the limestone formation is estimated to be 58 feet at location B-BESS-01. This corresponds well with the mapping of the Florida Geological Survey, Report of Investigations No. 35, that shows the surface of the Ocala Limestone to on the order of elevations 50 to 60 feet in this area. If this same limestone elevation is applied for the remainder of the site, this indicates limestone is on the order of 25 to 35+ feet below land surface. This correlates well with the remainder of the soil borings, which did not encounter limestone within a depth of 20 feet.

It is our opinion the Ocala Limestone geological region mapping and the Alachua County Unconfined Recharge Zone mapping are not correct for this site. The Ocala Limestone geological region has common soil strata of discontinuous sands and clays overlying a shallow and highly pinnacled limestone formation. Soil borings performed in Coastal Lowlands geology typically encounter limestone within a depth of 20 feet. This did not occur at this site. All of the soil borings, with the exception of boring B-06, have a soil profile of sand overlying continuous clay and silt-rich confining soils. Boring B-06 encountered a sand layer beneath the clay-rich soils, suggesting perforated geology conditions are present. The soil borings suggest the geology is perforated and not unconfined, and is more consistent with the Hawthorne Group of the Cody Scarp and not the Coastal Lowlands geology and Ocala Limestone mapping. Perforated geology occurs where the confining soils are discontinuous. It is our opinion the site is located within the Perforated Zone, and the absence of a surficial groundwater table is likely the result of leakage of the surficial groundwater through the perforated zones.

The soil borings encountered groundwater at three locations at depths of 12 to 13 feet. The geophysical testing performed around the depressions interpreted moist soil conditions typical of groundwater at approximately 15 feet deep. This data suggests there is a perched groundwater table present at the site, which is not consistent with the Coastal Lowlands geology. Groundwater was not determined in the remainder of the soil borings, and this may be due to the mud rotary method of advancing the borings or from seasonal variations in the depth of the groundwater table, but is most likely from the site being perforated. The perched groundwater table is a transient condition related to seasonal rainfall and localized rainfall intensity. The soil borings were performed in April 2023 during the dry season, when a perched groundwater table may not be present.

The risk for sinkhole development in Alachua County varies significantly depending upon the location within the County. The Coastal Lowlands region has the highest risk for sinkhole development. The risk for sinkhole development is less in the Cody Scarp and substantially less in the Northern Highlands. The risk for sinkhole development is entirely related to the depth to the limestone formation and the soil types that overly the limestone.

Sinkholes in Alachua County are commonly the result of stormwater concentration infiltrating into the ground and eroding sandy soils through cracks in the clay and limestone formation, resulting in a sudden cover collapse sinkhole. This risk is the highest where the geology is unconfined, and where limestone is relatively shallow (generally less than 20 feet deep). As the depth to limestone increases, the overlying clay-rich confining soils becomes more uniform, which lessens sinkhole risk. The low permeability of the clay-rich soil reduces rapid infiltration, which reduces the risk for subsurface soil erosion and collapse. In the Coastal Lowlands, surficial water sources may only be 10 feet above the limestone formation. In the Northern Highlands, surficial water sources are commonly more than 100 feet above the limestone formation.

There are three depressions on the site and one filled depression. All of these features are likely relic sinkholes. Relic sinkholes are sinkholes that developed in the geologic past. Most sinkholes in Alachua County are cover collapse sinkholes which suddenly occur. This results in a steep sided depression. Over time, the side slopes erode into the depression creating a bowl-shaped depression. It is generally accepted that steep sided sinkholes are geologically “young” compared to broad, bowl-shaped depressions that are geologically “old”.

Considering this, the broad bowl-shaped depression at the southwestern portion of the site is geologically old, and the adjacent steep sided depression is geologically young. The ERI testing that was performed in this area did not detect limestone within 60 to 120 feet deep. This suggests these two depressions are likely at the location of a very geologically old, infilled relic sinkhole that redeveloped two subsidences in the geologic past.

The ERI testing that was performed at the small depression along the north property line and the location of the filled depression indicates these are relic sinkhole features. The testing suggests there are infilled breaches in the limestone formation. The estimated depth to limestone varies from about 20 to more than 50 feet deep.

ANS Geo provided recommended setback distances from the relic sinkhole features. These recommended setbacks ranged from 35 to 100 feet. We generally do not disagree with these setbacks, but suggest lesser setbacks for the broad depression at the southwest portion of the site and the filled depression.

It is our opinion the risk for sinkhole development at this site is lower than what would be expected for the general area of Alachua County, and this is due to the limestone formation being deeper than what is typical of the area. In our opinion, this is due to the localized deepening of the limestone formation as shown by the mapping, and because the limestone is covered with a more uniform confining layer consistent with the Hawthorne Formation geology, compared to what is typical of the Coastal Lowlands geology. Further, the relic depression in the limestone formation filled with clay-rich soil at the southwestern portion of the site as shown by the ERI screening should have an even lower risk for sinkhole development. It is our opinion the risk associated with the relic sinkholes is from the potential for additional erosion to occur, broadening the side slopes of the depressions. In our opinion, the risk for slope erosion is low at the broad depressions and infilled depression, and high at the steep sided depression. We agree the 100 feet setback from the steep sided depression is appropriate. We believe the 100 feet setback for the large broad depression and the filled depression is very conservative, and can be lessened to 50 feet. We believe a setback of 35 is appropriate for the small depression along the north property line.

We understand you propose to use the natural topography of the site to collect and infiltrate stormwater runoff in the natural low areas. It is our opinion this is the best stormwater management practice. Since you will not be excavating any stormwater basins, you will not be changing how stormwater infiltrates into the ground or reducing the separation of the water source and the limestone formation. Further, it is our opinion that the construction of the solar panel structures does not create impervious conditions; the stormwater will runoff onto the ground directly below the panels just as though the panels were not present. Normal infiltration and runoff collection in natural low areas will occur just as though the site was not developed. Therefore, it is our opinion the risk for sinkhole development will be no different post-development than the pre-development conditions.

ANS Geo provided soil and groundwater parameters to assist with the modeling of the stormwater recovery. These conditions consider that the site is in confined geology, with a confining layer on the order of 12 feet deep and a perched seasonal highwater table. It is our opinion considering the site to be in confined geology is extremely conservative, since there is much published data to confirm the site is within the Perforated Zone. If the above parameters are used to model the recovery at the site, we believe the modeling will significantly underestimate the recovery.

As an alternate, we would suggest modeling the recovery considering perforated conditions. For perforated conditions, there is no confining layer (the Floridan Aquifer is vast and hundreds of feet deep) but it is typically set at elevation 0. The seasonal high-water table is the potentiometric surface of the Floridan Aquifer which is on the order of elevation 40 feet (elevation 45 feet should be used to provide some safety factor). The vertical and horizontal hydraulic conductivities should be a weighted average of the sandy soils and the clay-rich soils, and typically are on the order of 2 feet per day or less. The fillable porosity is typically 20 percent. These parameters are more typical of this site and perforated geological conditions for the area.

Limitations

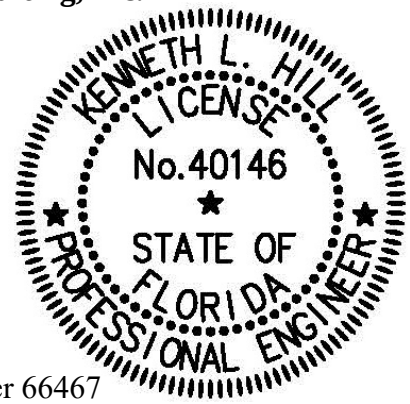
This report has been prepared for our client for his exclusive use, in accordance with generally accepted geotechnical engineering practices, and makes no other warranty either expressed or implied as to the professional advice provided in the report.

Closure

GSE appreciates this opportunity to provide these engineering services to you on this important matter. If you have any questions, or if we can provide any additional information, please contact us.

Sincerely,

GSE Engineering & Consulting, Inc.



This item has been digitally signed and sealed by

on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Jason E. Gowland, P.E.
Principal Engineer
Florida Registration Number 66467

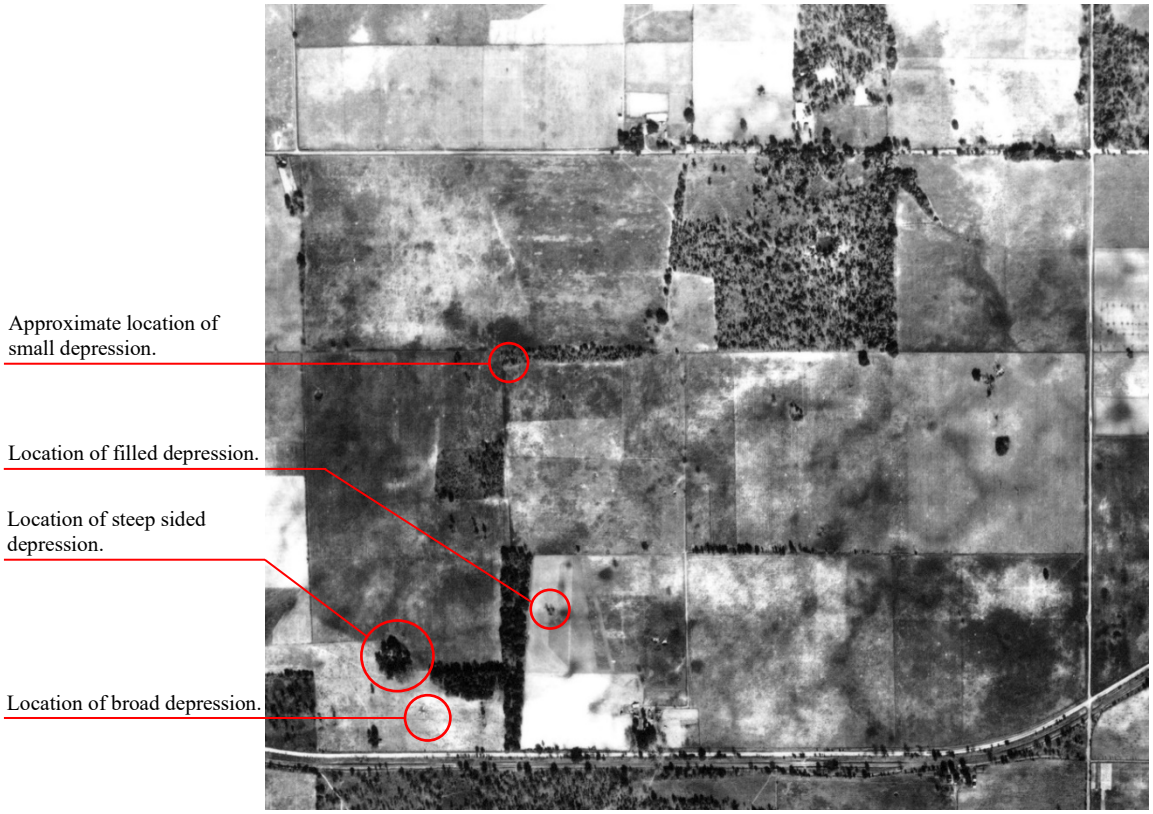
Kenneth L. Hill, P.E.
Principal Engineer
Florida Registration Number 40146

JEG/KLH:hmp
Q:\Projects\16203 Proposed Pleasant Solar Project\16203 Peer Review.docx

Appendix: 1937, 1949, 1964, 1971, 1982, 1994 and 2018 Aerials

Distribution: Addressee (1)
File (1)

APPENDIX



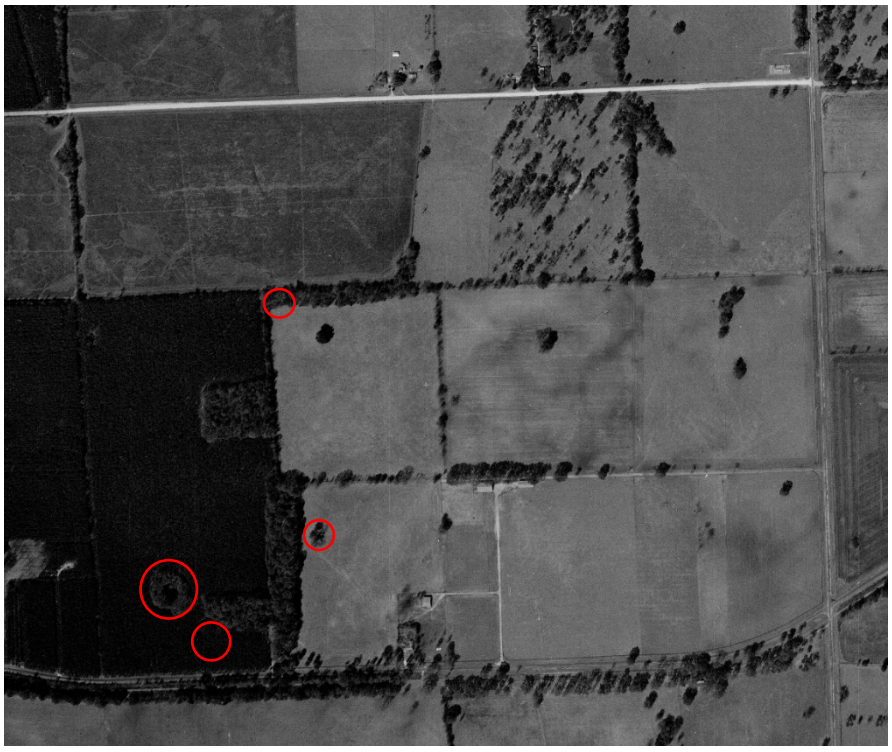
1937 Aerial



1949 Aerial



1964 Aerial



1971 Aerial



1982 Aerial



1994 Aerial



2018 Aerial

Soil Boring Log

B-01

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.779201 N, -82.527547 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/05/23 10:17 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/05/23 10:50 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	12	2 3 3 2	6	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-	
	S-2	10	3 2 2 2	4		Very loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
5	S-3	12	2 4 4 5	8	ML	Medium stiff, light brown Sandy SILT, some Clay, moist (ML)	L	L	3	-	Mottling present
	S-4	16	5 8 7 13	15	CL	Stiff, light brown to yellowish red Sandy CLAY, little Silt, moist (CL)	M	M	2.5	-	Mottling present
	S-5	24	5 5 5 6	10		Stiff, light brown to brownish yellow Sandy CLAY, little Silt, wet (CL)	M	M	2.5	-	Started mud rotary at 8 feet BGS
10											
	S-6	20	4 4 5 7	9		Stiff, light brown to brownish yellow Gravelly CLAY, little fine Sand, little Silt, wet (CL)	L	M	2	-	Mottling present
15											
	S-7	14	5 7 8 9	15	ML	Stiff, light brown to brownish yellow Sandy SILT, some Clay, wet (ML)	L	L	0.5	-	Mottling present
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-02

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.777674 N, -82.530472 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 04:26 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 04:52 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	8	2 3 3 1	6	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-	2" Topsoil
	S-2	10	1 1 1 1	2		Very loose, brownish yellow fine SAND, little Silt, dry (SM)			-	-	
5	S-3	8	1 1 0 1	1		Very loose, brownish yellow fine SAND, some Silt, dry (SM)			-	-	
	S-4	12	1 1 2 2	3		Very loose, brownish yellow Silty fine SAND, little Clay, dry (SM)			-	-	
	S-5	10	3 3 4 4	7	CL	Medium stiff, brownish yellow Sandy CLAY, some Silt, moist (CL)	L	M	-	-	
10											Started mud rotary at 10 feet BGS
	S-6	16	4 6 4 4	10		Stiff, brown to light brown Sandy CLAY, little Silt, wet (CL)	M	M	2.5	-	
15											
	S-7	20	5 8 13 12	21		Very stiff, light brown Silty CLAY, some fine Sand, wet (CL)	M	M	3.25	-	
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

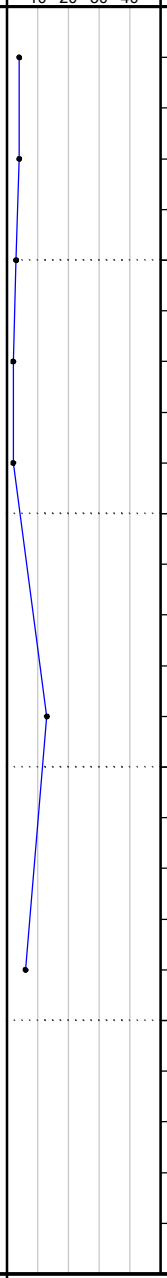
Soil Boring Log

B-03

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.775323 N, -82.527646 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 03:37 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 04:07 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	10	1 2 2 2	4	SM	Very loose, brown fine SAND, little Silt, dry (SM)			-	-
	S-2	12	3 2 2 3	4		Very loose, brown fine SAND, little Silt, dry (SM)			-	-
5	S-3	8	1 1 2 6	3	SP	Very loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-
	S-4	16	1 1 1 2	2	SM	Very loose, brownish yellow fine SAND, little Silt, dry (SM)			-	-
	S-5	12	1 1 1 2	2	SP	Very loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-
10										
	S-6	12	3 5 8 7	13	CL	Stiff, light brown Silty CLAY, little fine Sand, wet (CL)	M	M	2.5	-
15										
	S-7	22	4 4 2 2	6		Medium stiff, light brown Silty CLAY, little fine Sand, trace fine Gravel, wet (CL)	M	M	1.5	-
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.				



Drilling & Strata Notes

- 2" Topsoil
- Started mud rotary at 10 feet BGS
- Mottling present
- Mottling present

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-04

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.772671 N, -82.528201 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 02:57 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 03:25 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	12	2 3 4 4	7	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-	
	S-2	8	3 2 2 2	4		Very loose, brown fine SAND, little Silt, dry (SM)			-	-	
5	S-3	12	1 1 2 1	3	SP	Very loose, brownish yellow fine SAND, dry (SP)			-	-	
	S-4	14	2 2 2 2	4		Very loose, brownish yellow fine SAND, trace Silt, moist (SP)			-	-	
	S-5	12	2 3 3 4	5		Very loose, brownish yellow fine SAND, trace Silt, moist (SP)			-	-	
10											Started mud rotary at 10 feet BGS
	S-6	12	9 7 6 8	13	ML	Stiff, light gray Clayey SILT, some fine Sand, wet (ML)		L	2.5	-	Mottling present
15											
	S-7	16	4 4 5 6	9	SC	Stiff, light brown Clayey fine SAND, some Silt, trace fine Gravel, wet (SC)	M	M	-	-	Mottling present
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-05

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773597 N, -82.531945 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 01:36 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 02:00 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	8	1 2 3 2	5	SM	Very loose, brown fine SAND, little Silt, dry (SM)			-	-	
	S-2	12	4 2 2 2	4	SP	Very loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-	
5	S-3	14	2 1 2 1	3		Very loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-	5
	S-4	16	2 2 3 2	5		Very loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-	
	S-5	16	2 2 2 3	4	SM	Very loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
10											10 Started mud rotary at 10 feet BGS
	S-6	22	5 5 7 7	12	ML	Stiff, light brown Sandy SILT, little Clay, wet (ML)	M	L	2.5	-	
15											15
	S-7	20	8 6 7 8	13		Stiff, light brown Sandy SILT, some Clay, wet (ML)	M	L	2.5	-	Mottling present
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					20

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

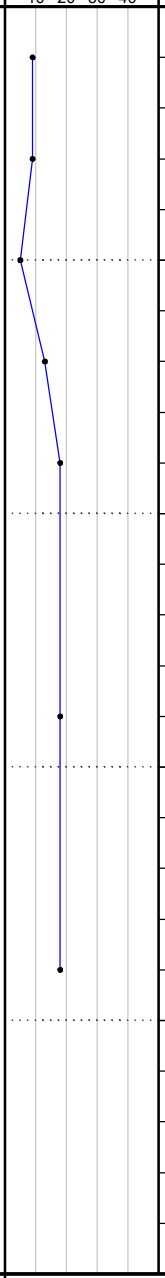
B-06

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.776144 N, -82.534051 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 12:58 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 01:23 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	16	1 4 5 5	9	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-
	S-2	8	6 5 4 4	9	SP	Loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-
5	S-3	8	3 2 3 4	5	CL	Medium stiff, light brown to yellowish red Sandy CLAY, little Silt, moist (CL)	L	M	1.5	-
	S-4	24	5 6 7 8	13		Stiff, brown to yellowish red Sandy CLAY, some Silt, moist (CL)	L	M	1.5	-
	S-5	18	7 8 10 9	18	SC	Medium dense, brown to brownish yellow Clayey fine SAND, little Silt, moist (SC)			-	-
10										
	S-6	10	8 9 9 8	18	SP	Medium dense, brown to light brown fine SAND, trace Silt, trace Clay, wet (SP)			-	-
15										
	S-7	8	6 7 11 8	18		Medium dense, light brown fine SAND, trace Silt, wet (SP)			-	-
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.				

N-Value



Drilling & Strata Notes

- 2" Topsoil
- Mottling present (5 ft)
- Mottling present (5 ft)
- Mottling present (10 ft)
- Started mud rotary at 10 feet BGS

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

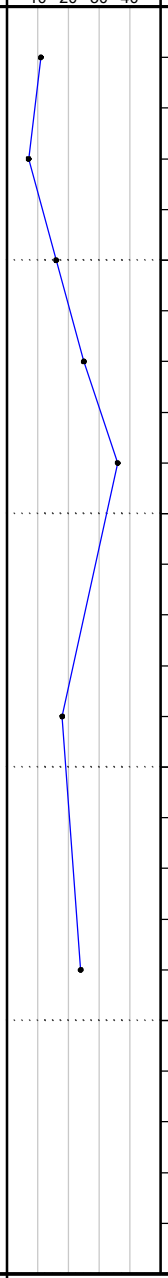
Soil Boring Log

B-07

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.772904 N, -82.535488 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 02:09 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 02:50 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	14	2 6 5 3	11	SP	Medium dense, brown fine SAND, trace Silt, dry (SP)			-	-	4" Topsoil
	S-2	18	3 3 4 6	7	CL	Medium stiff, brown to brownish yellow Sandy CLAY, moist (CL)	M	M	3.0	-	
5	S-3	14	5 7 9 14	16		Very stiff, brown to brownish yellow Sandy CLAY, moist (CL)	M	M	3.0	-	Mottling present
	S-4	16	13 12 13 8	25	SC	Medium dense, brownish yellow to light brown Clayey fine SAND, moist (SC)			-	-	Mottling present
	S-5	18	15 20 16 17	36		Dense, brownish yellow to light brown Clayey fine SAND, moist (SC)			-	-	Mottling present
10											Started mud rotary at 10 feet BGS
	S-6	18	9 9 9 9	18		Medium dense, light brown Clayey fine SAND, trace Silt, wet (SC)			-	-	
15											
	S-7	20	9 11 13 14	24		Medium dense, light brown fine SAND, some Clay, little Silt, wet (SC)			-	-	
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)
04/05/23 04:00 PM	AD			12

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-08

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.777139 N, -82.537191 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 11:07 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 11:39 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	8	1 2 3 3	5	SM	Very loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	2" Topsoil
	S-2	12	5 4 3 3	7		Loose, brownish yellow fine SAND, little Silt, dry (SM)			-	-	
5	S-3	18	2 2 3 6	5	ML	Medium stiff, brownish yellow Sandy SILT, little Clay, dry (ML)	L	L	-	-	
	S-4	18	4 8 9 11	17	CL	Very stiff, brown to light brown Sandy CLAY, little Silt, moist (CL)	M	M	2	-	Mottling present
	S-5	8	5 12 14 3	26	ML	Very stiff, light brown Sandy SILT, little Clay, moist (ML)	M	L	2.5	-	Mottling present
10											Started mud rotary at 10 feet BGS
	S-6	20	6 5 10 11	15		Stiff, light brown Sandy Silt, some Clay, trace fine Gravel, wet (ML)	M	M	3	-	Mottling present
15											
	S-7	20	6 8 9 11	17		Very stiff, light gray Sandy SILT, some Clay, wet (ML)	L	L	-	-	Slight mottling present
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)
04/06/23 11:30 AM	AD			13

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-09

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.776463 N, -82.541432 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/06/23 10:03 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/06/23 10:34 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	12	1 2 2 3	4	SP	Very loose, brown to brownish yellow fine SAND, trace Silt, dry (SP)			-	-	2" Topsoil
	S-2	14	3 1 2 2	3		Very loose, brown to brownish yellow fine SAND, trace Silt, dry (SP)			-	-	
5	S-3	12	2 2 2 3	4		Very loose, light brown fine SAND, moist (SP)			-	-	
	S-4	16	5 5 9 10	14	CL	Stiff, brownish yellow Sandy CLAY, some Silt, moist (CL)	L	M	2	-	Mottling present
	S-5	16	9 8 11 13	19		Very stiff, brownish yellow Sandy CLAY, little Silt, moist (CL)	M	M	2	-	Mottling present
10											Started mud rotary at 10 feet BGS
	S-6	22	5 7 9 11	16	ML	Very stiff, light brown Sandy SILT, some Clay, trace coarse to fine Gravel, wet (ML)	M	L	5	-	Mottling present
15											
	S-7	14	5 6 7 9	13	CL	Stiff, light brown Sandy CLAY, some Silt, wet (CL)	M	M	2	-	Mottling present
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-10

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774401 N, -82.540138 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/06/23 12:12 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/06/23 12:40 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
0	S-1	8	1 1 2 2	3	SP	Very loose, brown to brownish yellow fine SAND, trace Silt, dry (SP)			-	-	
	S-2	16	2 2 1 2	3		Very loose, brown to brownish yellow fine SAND, dry (SP)			-	-	
5	S-3	14	2 1 2 2	3		Very loose, brown to brownish yellow fine SAND, moist (SP)				-	Mottling present
	S-4	18	2 4 5 6	9	CL	Stiff, brownish yellow Sandy CLAY, some Silt, trace coarse to fine Gravel, moist (CL)	L	M	2	-	
	S-5	24	8 10 11 12	21	ML	Very stiff, brown to light brown Sandy SILT, some Clay, trace fine Gravel, moist (ML)	M	L	3.5	-	Mottling present
10											Started mud rotary at 10 feet BGS
	S-6	24	5 6 7 5	13	CL	Stiff, light brown Sandy CLAY, some Silt, wet (CL)	L	M	2.5	-	Mottling present
15											
	S-7	20	4 5 6 5	11	ML	Stiff, light brown Sandy SILT, some Clay, wet (ML)	L	L	1	-	
20						End of borehole at 20 feet BGS. Borehole backfilled with soil cuttings.					

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)
04/07/23 09:00 AM	AD		20	12

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

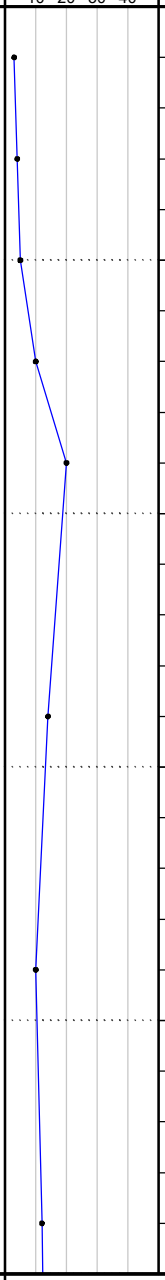
Soil Boring Log

B-BESS-01

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.780751 N, -82.528811 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 06:41 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/05/23 10:00 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	16	1 1 2 2	3	SM	Very loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
	S-2	20	5 2 2 2	4		Very loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
5	S-3	18	2 2 3 3	5		Very loose, brownish yellow fine SAND, some Silt, little Clay, dry (SM)			-	-	
	S-4	18	4 4 6 6	10	ML	Stiff, light brown Sandy SILT, some Clay, moist (ML)	L	L	2.5	-	Mottling present
	S-5	18	7 9 11 8	20		Very stiff, brown to light brown Sandy SILT, little Clay, moist (ML)	L	L	2.25	-	Severe mottling present
10											Started mud rotary at 10 feet BGS
	S-6	16	2 6 8 11	14		Stiff, light brown Clayey SILT, little fine Sand, wet (ML)	H	L	3.0	-	Severe mottling present
15											Lost water circulation for 1 foot
	S-7	22	3 4 6 9	10	CL	Stiff, brown to light brown CLAY, some Silt, little fine SAND, wet (CL)	H	M	2.5	-	Severe mottling present
20											Lost water circulation for 1 foot
	S-8	24	5 7 5 9	12		Stiff, light brown Sandy CLAY, some Silt, wet (CL)	M	M	2.0	-	Mottling present



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

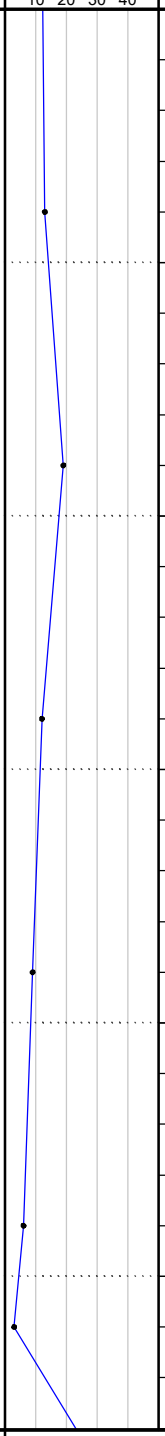
▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-BESS-01
(Continued)

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.780751 N, -82.528811 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 06:41 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/05/23 10:00 AM	**Vert. Datum:**	Grade

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
					CL						
	S-9	24	3 5 8 7	13	ML	Stiff, light brown Sandy SILT, little Clay, wet (ML)	L	L	1.5	-	Mottling present
30											30
	S-10	16	6 8 11 11	19	SM	Medium dense, light brown Silty fine SAND, little Clay, wet (SM)			-	-	Mottling present
35											35
	S-11	18	5 5 7 7	12		Stiff, light brown to brownish yellow Sandy SILT, some Clay, wet (ML)	L	L	2.0	-	Mottling present
40											40 Lost water circulation for 1 foot
	S-12	8	6 5 4 50/3"	9	ML	Stiff, light brown Gravelly SILT, some Clay, little fine Sand, wet (ML)	L	M	-	-	
45											45
	S-13	14	1 3 3 3	6		Medium stiff, light brown to brownish yellow Clayey SILT, some weathered Limestone, little fine Sand, wet (ML)	L	M	0.5	-	
50											50
	S-14	8	1 1 2 3	3		Very soft, light brown to brownish yellow Gravelly SILT, some Clay, little fine Sand, wet (ML)	L	L	-	-	
					GP						



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-BESS-01
(Continued)

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.780751 N, -82.528811 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 06:41 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/05/23 10:00 AM	**Vert. Datum:**	Grade

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Graphic Log	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	N-Value (10 20 30 40)	Drilling & Strata Notes
55	S-15	12	6 16 17 19	33	GP		Hard, light brown WEATHERED LIMESTONE, little fine Sand, little Silt, trace Clay, wet (GP)			-	-		
							End of borehole at 55 feet BGS. Borehole backfilled with soil cuttings.						
60													
65													
70													
75													
80													

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-SS-01

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.780658 N, -82.527474 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 05:08 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 06:23 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	10	2 3 3 2	6	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
	S-2	8	3 2 2 1	4	SP	Very loose, brown to brownish yellow fine SAND, dry (SP)			-	-	
5	S-3	12	2 2 1 1	3		Very loose, brown to brownish yellow fine SAND, dry (SP)			-	-	
	S-4	16	2 1 2 1	3		Very loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-	
	S-5	16	3 2 2 2	4		Very loose, brownish yellow fine SAND, dry (SP)			-	-	
10											Started mud rotary at 10 feet BGS
	S-6	10	4 4 5 8	9	SM	Loose, yellowish red fine SAND, some Silt, wet (SM)			-	-	
15											
	S-7	12	6 8 12 19	20	SC	Medium dense, brownish yellow to light brown fine SAND, some Clay, little Silt, wet (SC)			-	-	
20											
	S-8	24	7 6 8 11	14	CL	Stiff, light brown Silty CLAY, some fine Sand, wet (CL)	M	M	3.5	-	Mottling present

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

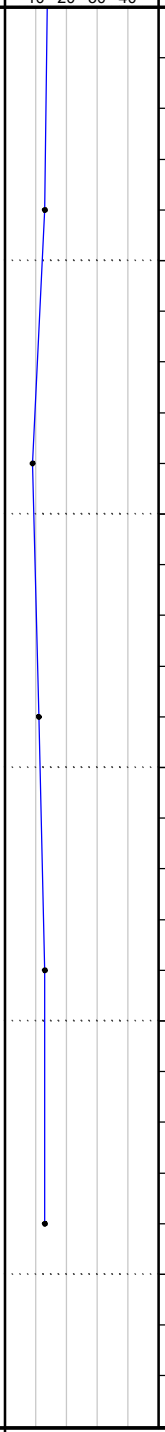
▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

B-SS-01
(Continued)

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.780658 N, -82.527474 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 05:08 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 06:23 PM	**Vert. Datum:**	Grade

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
30	S-9	24	5 6 7 8	13	CL	Stiff, brownish yellow to light brown CLAY, some fine Sand, little Silt, wet (CL)	H	M	2.0	-	Severe mottling present
35	S-10	24	4 4 5 7	9		Stiff, light brown to brownish yellow Sandy CLAY, little Silt, wet (CL)	M	M	2.0	-	Mottling present
40	S-11	20	4 5 6 7	11	SC	Medium dense, light brown to brownish yellow Clayey fine SAND, little Silt, wet (SC)			-	-	Mottling present
45	S-12	16	7 6 7 7	13		Medium dense, light brown to brownish yellow Clayey fine SAND, trace Silt, wet (SC)			-	-	Mottling present
50	S-13	20	7 7 6 7	13		Medium dense, light brown to brownish yellow Clayey fine SAND, little Silt, wet (SC)			-	-	Mottling present
						End of borehole at 50 feet BGS. Borehole backfilled with soil cuttings.					



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-01

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773439 N, -82.534209 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 12:14 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/02 12:29 PM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	12	2 3 6 10	9	SP	Loose, brown fine SAND, trace Silt, dry (SP)			-	-	4" Topsoil
	S-2	18	5 3 4 5	7	CL	Medium stiff, brown to light brown Sandy CLAY, moist (CL)	M	M	2.0	-	Mottling Present
5	S-3	20	8 11 12 14	23		Very stiff, brown to light brown CLAY, some fine SAND, moist (CL)	M	M	3.0	-	Mottling Present
	S-4	20	10 11 14 15	25		Very stiff, light brown CLAY, trace fine Sand, moist (CL)	H	M	>5.0	-	Mottling Present
	S-5	18	13 19 17 18	36		Hard, light brown CLAY, trace fine Sand, moist (CL)	M	M	>5.0	-	
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-02

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.772743 N, -82.534379 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 11:18 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 11:35 AM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	20	3 6 6 5	12	SP	Medium dense, brown fine SAND, trace Silt, dry (SP)			-	-	4" Topsoil
	S-2	20	3 3 4 2	7	SC	Loose, brown to brownish yellow Clayey fine SAND, dry (SC)			-	-	
5	S-3	22	4 7 11 14	18	CL	Very stiff, brown to light brown CLAY, little fine Sand, dry (CL)	M	M	3.25	-	Mottling Present
	S-4	16	10 12 14 11	26		Very stiff, light brown to brownish yellow CLAY, little fine Sand, trace fine Gravel, dry (CL)	M	M	>5.0	-	Mottling Present
	S-5	18	11 16 14 12	30		Very stiff, light brown to brown CLAY, some fine Sand, little fine Gravel, trace Silt, dry (CL)	M	L	3.25	-	Mottling Present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

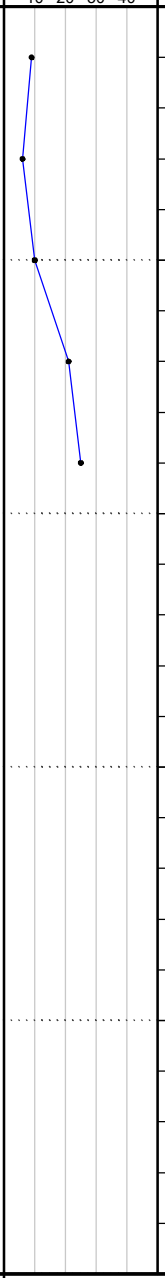
Soil Boring Log

IB-03

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.772349 N, -82.535263 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 12:44 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 12:56 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	8	2 5 4 3	9	SP	Loose, brown fine SAND, trace Silt, dry (SP)			-	-	
	S-2	18	3 3 3 3	6		Loose, brown to brownish yellow fine SAND, moist (SP)			-	-	Mottling Present
5	S-3	12	4 5 5 8	10	CL	Stiff, light brown CLAY, little fine Sand, moist (CL)	M	M	3.0	-	Mottling Present
	S-4	16	8 10 11 10	21		Very stiff, light brown to brownish yellow Sandy CLAY, trace Silt, moist (CL)	M	L	>5.0	-	Mottling Present
	S-5	16	8 13 12 10	25	SC	Medium dense, brown to light brown Clayey fine SAND, moist (SC)					Mottling Present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

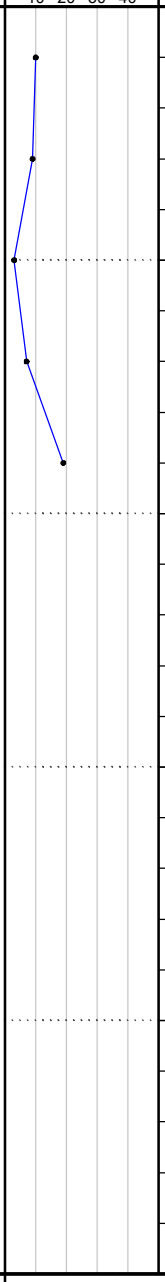
▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-04

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773446 N, -82.535125 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 03:18 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 03:30 PM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Graphic Log	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	14	2 4 6 5	10	SP		Loose, brown fine SAND, trace fine Gravel, trace Silt, dry (SP)			-	-	4" Topsoil
	S-2	14	3 5 4 4	9			Loose, brown fine SAND, trace Clay, dry (SP)			-	-	
5	S-3	16	3 2 1 1	3			Very loose, brownish yellow fine SAND, dry (SP)			-	-	
	S-4	12	2 3 4 6	7	CL		Medium stiff, light brown Sandy CLAY, moist (CL)	M	M	3.5	-	Mottling present
	S-5	20	8 9 10 9	19			Very stiff, light brown Sandy CLAY, little Silt, moist (CL)	M	M	3.5	-	Mottling present
10							End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15												
20												



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-05

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774417 N, -82.535287 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 04:32 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 04:41 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	18	2 3 3 3	6	SP	Loose, brownish yellow fine SAND, dry (SP)			-	-	4" Topsoil
	S-2	16	2 2 1 2	3		Very loose, brownish yellow fine SAND, dry (SP)			-	-	
5	S-3	14	1 2 2 1	4		Very loose, brownish yellow fine SAND, dry (SP)			-	-	
	S-4	16	2 2 1 2	3	SC	Very loose, brownish yellow fine SAND, little Clay, moist (SC)			-	-	
	S-5	18	3 2 3 6	5	CL	Very loose, brownish yellow Sandy CLAY, moist (CL)	M	M	3.75	-	Mottling Present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-06

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773265 N, -82.535881 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 03:37 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 03:52 PM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Graphic Log	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	12	3 3 3 2	6	SP		Loose, brown to brownish yellow fine SAND, trace Silt, dry (SP)			-	-	4" Topsoil
	S-2	16	3 2 4 5	6	CL		Medium stiff, brownish yellow Sandy CLAY, trace organics, dry (CL)	M	M	2.5	-	
5	S-3	18	6 8 9 7	17			Very stiff, light brown CLAY, little fine Sand, little Silt, moist (CL)	M	M	3.0	-	Mottling present
	S-4	14	11 12 17 15	29			Very stiff, light brown Sandy CLAY, little Silt, trace fine Gravel, moist (CL)	M	M	2.75	-	Mottling present
	S-5	16	13 11 15 17	26	SC		Medium dense, light brown fine SAND, some Clay, trace fine Gravel, moist (SC)			-	-	Mottling present
10							End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15												
20												

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-07

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774152 N, -82.535784 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 04:05 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 04:20 PM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	16	2 3 3 4	6	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	4" Topsoil
	S-2	20	3 2 2 3	4	SP	Very loose, brownish yellow fine SAND, dry (SP)			-	-	
5	S-3	20	5 8 10 11	18	CL	Very stiff, light brown to brownish yellow Sandy CLAY, dry (CL)	M	M	2.5	-	Mottling present
	S-4	18	11 12 14 18	26	CL	Very stiff, light brown Sandy CLAY, little Silt, dry (CL)	M	M	3.5	-	Mottling present
	S-5	18	13 18 16 16	34	SC	Dense, light gray Clayey fine SAND, little Silt, dry (SC)			-	-	Mottling present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

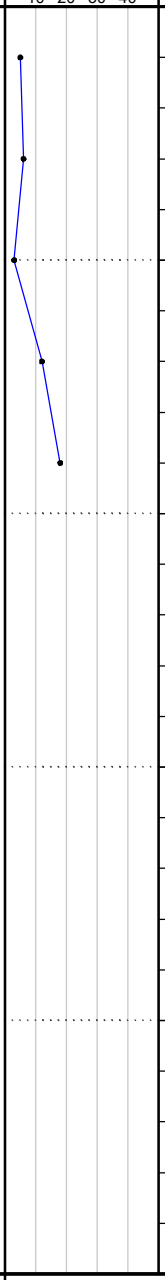
Soil Boring Log

IB-08

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.7736 N, -82.536482 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 05:35 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 05:45 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	14	1 2 3 2	5	SP	Very loose, brown fine SAND, little Silt, dry (SP)			-	-
	S-2	10	1 4 2 2	6		Loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-
5	S-3	14	2 1 2 3	3		Very loose, brownish yellow fine SAND, moist (SP)			-	-
	S-4	16	4 6 6 7	12		Medium dense, brownish yellow fine SAND, trace Clay, moist (SP)			-	-
	S-5	16	5 7 11 14	18	CL	Very stiff, brownish yellow CLAY, little fine Sand, moist (CL)	M	M	1.75	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

4" Topsoil

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

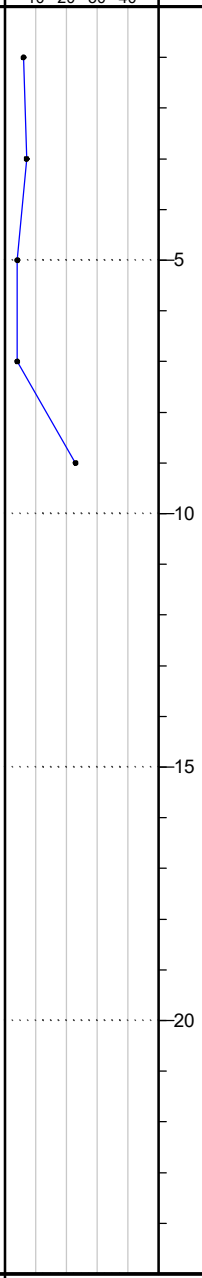
Soil Boring Log

IB-09

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774541 N, -82.53644 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 04:52 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 05:00 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	12	1 3 3 4	6	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-
	S-2	14	3 2 5 2	7	SP	Loose, brownish yellow fine SAND, trace Silt, dry (SP)			-	-
5	S-3	16	1 2 2 2	4		Very loose, light brown to brownish yellow fine SAND, dry (SP)			-	-
	S-4	16	3 2 2 4	4	CL	Soft, brown CLAY, some fine SAND, moist (CL)	L	M	4.0	-
	S-5	20	8 10 13 15	23		Very stiff, brown to light brown Sandy CLAY, trace Silt, moist (CL)	M	M	4.25	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

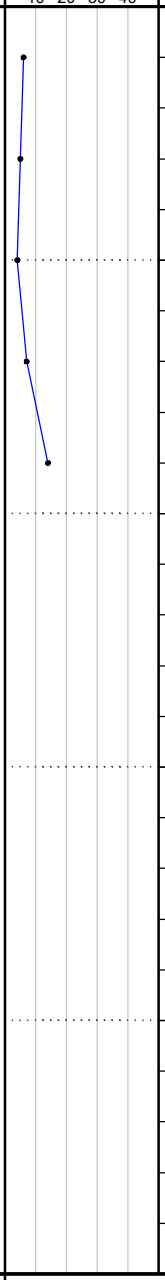
Soil Boring Log

IB-10

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.775101 N, -82.536975 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 10:48 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 10:56 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	12	2 2 4 3	6	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-
	S-2	14	3 3 2 2	5		Very loose, brownish yellow fine SAND, little Silt, moist (SM)			-	-
5	S-3	12	1 2 2 3	4	SP	Very loose, brownish yellow fine SAND, moist (SP)			-	-
	S-4	16	3 4 3 4	7	SC	Loose, brownish yellow fine SAND, little Clay, trace Silt, moist (SC)			-	-
	S-5	16	5 6 8 7	14		Medium dense, brownish yellow fine SAND, some Clay, little Silt, moist (SC)			-	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

2" Topsoil

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-11

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774195 N, -82.536935 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 05:20 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 05:29 PM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	16	2 3 4 4	7	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-	4" Topsoil
	S-2	8	4 3 3 3	6	SP	Loose, brownish yellow fine SAND, trace Sllt, dry (SP)			-	-	
5	S-3	10	2 2 3 4	5		Very loose, brownish yellow fine SAND, trace Clay, dry (SP)			-	-	
	S-4	18	4 4 6 3	10	SC	Loose, brownish yellow fine SAND, little Clay, moist (SC)			-	-	
	S-5	18	5 5 6 7	11	CL	Stiff, light brown Sandy CLAY, little Silt, moist (CL)	M	M	3.0	-	Mottling Present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

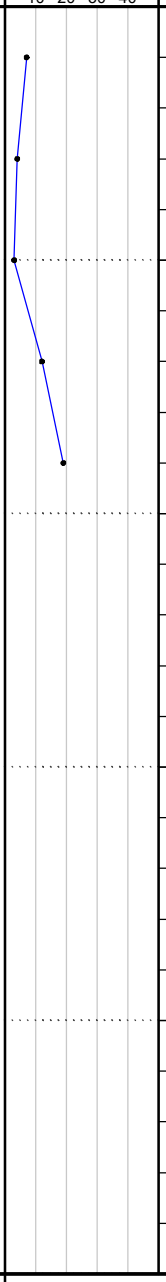
Soil Boring Log

IB-12

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773534 N, -82.536999 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 05:54 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 06:02 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	14	2 3 4 4	7	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-
	S-2	16	4 2 2 3	4		Very loose, brown fine SAND, little Silt, dry (SM)			-	-
5	S-3	10	1 2 1 3	3		Very loose, brown fine SAND, little Silt, little Clay, dry (SM)			-	-
	S-4	14	3 5 7 7	12	CL	Stiff, light brown Sandy CLAY, little Silt, moist (CL)	M	M	3.0	-
	S-5	20	9 7 12 10	19		Very stiff, light brown Sandy CLAY, little Silt, moist (CL)	M	M	3.0	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

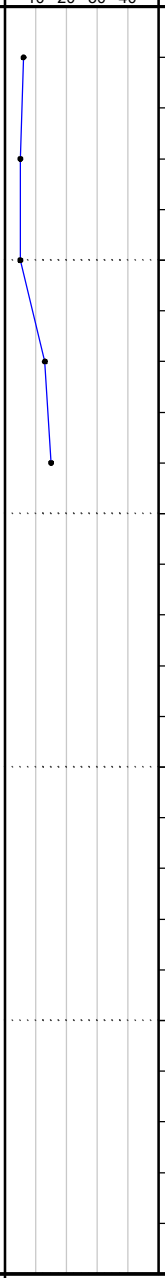
Soil Boring Log

IB-13

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.772946 N, -82.537201 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/03/23 06:14 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/03/23 06:20 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	8	2 3 3 2	6	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-
	S-2	12	4 2 3 2	5		Very loose, yellowish red fine SAND, little Silt, little Clay, moist (SM)			-	-
5	S-3	24	2 3 2 3	5	SC	Very loose, brown to brownish yellow fine SAND, little Clay, trace Sllt, dry (SC)			-	-
	S-4	18	4 6 7 7	13	CL	Stiff, brown to light brown Sandy CLAY, trace Silt, moist (CL)	M	M	3.0	-
	S-5	16	7 8 7 8	15		Stiff, light brown Sandy CLAY, little Sllt, moist (CL)	M	M	3.75	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

2" Topsoil

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

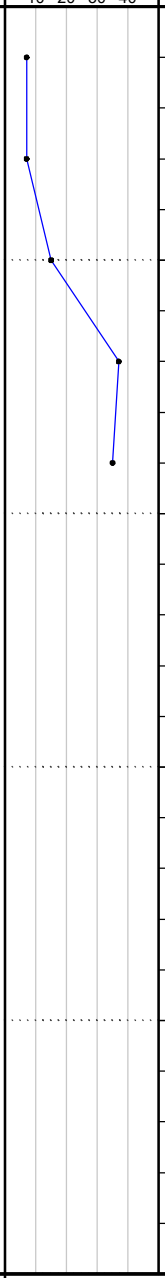
▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-14

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773502 N, -82.53764 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 08:15 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 08:30 AM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	14	2 3 4 4	7	SM	Loose, brown fine SAND, little Silt, dry (SM)			-	-	2" Topsoil
	S-2	8	4 4 3 3	7		Loose, brown to brownish yellow Silty fine SAND, trace Clay, dry (SM)			-	-	
5	S-3	12	4 7 8 17	15	CL	Stiff, brown Sandy CLAY, little Silt, moist (CL)	M	M	3.5	-	
	S-4	18	17 17 20 11	37	ML	Hard, light brown Clayey SILT, little fine SAND, moist (ML)	M	L	4.0	-	
	S-5	18	14 21 14 17	35		Hard, light brown Clayey SILT, little fine Sand, moist (ML)	M	L	3.0	-	Mottling present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

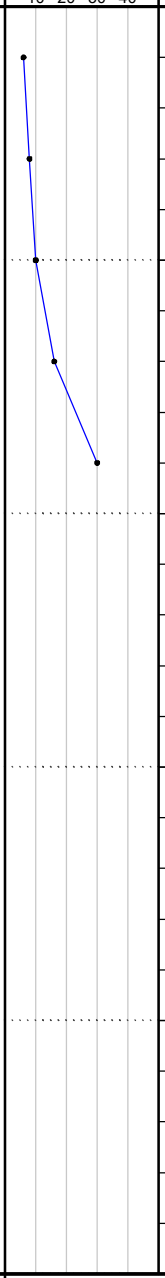
Soil Boring Log

IB-15

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774312 N, -82.537742 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 09:16 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 09:28 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	10	1 3 3 5	6	SM	Loose, brown fine SAND, little Silt, moist (SP)			-	-	2" Topsoil
	S-2	10	7 3 5 5	8		Loose, brownish yellow fine SAND, little Silt, moist (SM)			-	-	
5	S-3	6	5 5 5 6	10	SC	Loose, light brown fine SAND, some Clay, little Silt, moist (SC)			-	-	
	S-4	18	6 7 9 9	16	CL	Very stiff, brown to yellowish red Sandy CLAY, trace Silt, moist (CL)	M	M	2.25	-	Mottling present
	S-5	12	8 16 14 12	30		Very stiff, brown to light brown Sandy CLAY, some Silt, moist (SC)	M	M	2.25	-	
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-16

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.775137 N, -82.537776 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 10:25 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 10:37 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	12	1 2 2 2	4	SM	Very loose, brown fine SAND, little Silt, dry (SM)			-	-
	S-2	10	4 2 2 2	4	SP	Very loose, brownish yellow fine SAND, trace Silt, moist (SP)			-	-
5	S-3	16	2 1 3 4	4	SP	Very loose, brownish yellow fine SAND, trace Clay, moist (SP)			-	-
	S-4	20	3 8 11 19	19	CL	Very stiff, brown to light brown Sandy CLAY, little Silt, moist (CL)	M	M	4.0	-
	S-5	18	14 12 15 16	27	CL	Very stiff, light brown Sandy CLAY, some Silt, moist (CL)	M	M	>5.0	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				

N-Value

10 20 30 40

Drilling & Strata Notes

4" Topsoil

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

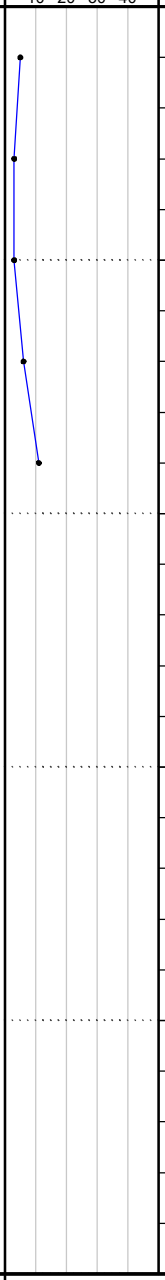
▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-17

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.772899 N, -82.538082 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 08:02 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 08:07 AM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	12	2 2 3 2	5	SM	Very loose, brown fine SAND, little Sllt, dry (SM)			-	-
	S-2	12	3 1 2 2	3		Very loose, brownish yellow fine SAND, little Silt, dry (SM)			-	-
5	S-3	16	2 1 2 2	3	SP	Very loose, brownish yellow fine SAND, moist (SP)			-	-
	S-4	14	3 2 4 2	6		Loose, brownish yellow fine SAND, moist (SP)			-	-
	S-5	18	4 5 6 7	11		Medium dense, brownish yellow fine SAND, trace Clay, moist (SP)			-	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

2" Topsoil

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

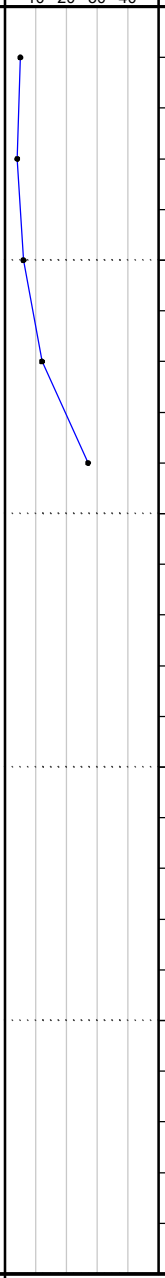
Soil Boring Log

IB-18

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.773601 N, -82.538071 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 08:37 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 08:48 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
	S-1	8	2 3 2 2	5	SM	Very loose, brown fine SAND, little Silt, dry (SM)			-	-
	S-2	12	2 2 2 2	4		Very loose, brownish yellow fine SAND, little Silt, dry (SM)			-	-
5	S-3	14	2 3 3 3	6		Loose, brownish yellow fine SAND, little Silt, trace Clay, dry (SM)			-	-
	S-4	10	4 4 8 8	12	SP	Medium dense, light brown fine SAND, trace Clay, moist (SP)			-	-
	S-5	20	9 11 16 15	27	ML	Very stiff, light brown Clayey SILT, little fine Sand, moist (ML)	M	L	4.0	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

2" Topsoil

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

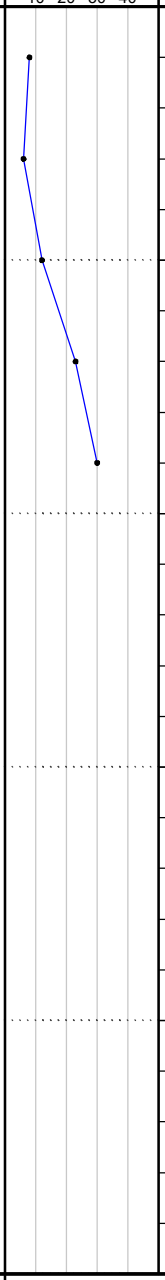
Soil Boring Log

IB-19

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774593 N, -82.538201 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 09:55 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 10:05 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	18	4 4 4 2	8	SM	Loose, brown to brownish yellow fine SAND, little Silt, moist (SM)			-	-	4" Topsoil
	S-2	10	3 3 3 3	6	SP	Loose, brownish yellow fine Sand, trace Silt, moist (SP)			-	-	
5	S-3	18	3 6 6 7	12	CL	Stiff, light brown to yellowish red Sandy CLAY, some Silt, moist (CL)	M	M	2.0	-	Mottling present
	S-4	20	9 11 12 12	23		Very stiff, brown to light brown Sandy CLAY, some Silt, moist (CL)	M	M	2.25	-	Mottling present
	S-5	24	13 15 15 16	30		Very stiff, brown to light brown Sandy CLAY, little Silt, moist (CL)	M	M	2.0	-	Mottling present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											



In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

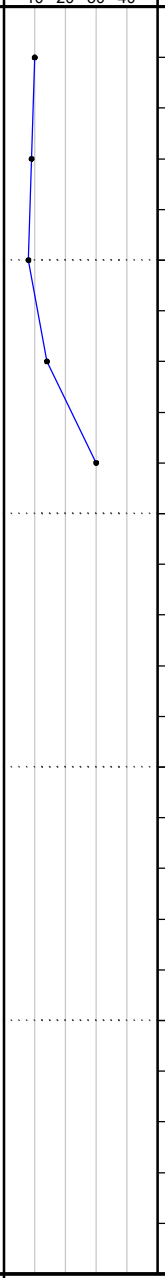
Soil Boring Log

IB-20

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.77399 N, -82.538047 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/04/23 08:54 AM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/04/23 09:02 AM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)
0	S-1	8	3 4 6 5	10	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-
	S-2	14	10 5 4 3	9		Loose, brownish yellow fine SAND, little Silt, moist (SM)			-	-
5	S-3	12	4 4 4 4	8	SP	Loose, light brown to brownish yellow fine SAND, trace Sllt, trace Clay, moist (SP)			-	-
	S-4	20	5 6 8 8	14	CL	Stiff, brown to yellowish red Sandy CLAY, little Silt, moist (CL)	M	M	2.25	-
	S-5	20	14 15 15 13	30		Very stiff, brown to light brown Sandy CLAY, some Silt, moist (CL)	M	M	3.25	-
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.				
15										
20										



Drilling & Strata Notes

- 2" Topsoil
- Mottling present
- Mottling present

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-21

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774309 N, -82.539086 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/06/23 01:00 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/06/23 01:06 PM	**Vert. Datum:**	Grade
Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	18	8 6 5 4	11	SM	Medium dense, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
	S-2	12	5 3 4 3	7		Loose, brown to brownish yellow fine SAND, little Silt, trace Clay, dry (SM)			-	-	
5	S-3	20	3 5 6 6	11	CL	Stiff, brown to light brown Sandy CLAY, little Silt, trace fine Gravel, moist (CL)	M	M	2.0	-	Mottling present
	S-4	10	8 7 7 7	14	ML	Stiff, light brown Sandy SILT, some Clay, moist (ML)	L	L	2.5	-	Mottling present
	S-5	20	5 5 4 4	9		Stiff, light brown Sandy SILT, some Clay, moist (ML)	L	L	1.0	-	Mottling present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

Soil Boring Log

IB-22

Client:	Solariant	**Drilling Firm:**	Old South Drilling	**Coordinates:**	29.774536 N, -82.538882 E
Project:	Pleasant Solar	**Drill Crew:**	Chris / Dion	**Horiz. Datum:**	WGS84
Location:	Alachua Florida	**Boring Start:**	04/06/23 01:21 PM	**Elevation:**	Grade
Inspector:	Michael Lionikis	**Boring End:**	04/06/23 01:34 PM	**Vert. Datum:**	Grade

Rig Model:	CME-45	**Sampler Type:**	Split Spoon	**Casing Type:**	N/A
Rig Type:	ATV	**Sampler Length:**	24 inches	**Casing Length:**	N/A
Drill Method:	Mud Rotary	**Sampler I.D.:**	1.375 inches	**Casing I.D.:**	N/A
Hammer Type:	Manual	**Hammer Wt.:**	140 pounds	**Hammer Wt.:**	N/A
Drilling Fluid:	Quikgel	**Hammer Fall:**	30 inches	**Hammer Fall:**	N/A

Depth (ft)	Sample No.	Rec. (in)	Blows per 6"	N-Value	USCS Symbol	Visual Classification	Toughness	Plasticity	PP (tsf)	TV (tsf)	Drilling & Strata Notes
	S-1	12	3 4 4 3	8	SM	Loose, brown to brownish yellow fine SAND, little Silt, dry (SM)			-	-	
	S-2	8	4 2 2 2	4	SP	Very loose, brown to brownish yellow fine SAND, trace Silt, dry (SP)			-	-	
5	S-3	16	3 2 3 5	5		Very loose, brown to brownish yellow fine SAND, dry (SP)			-	-	
	S-4	14	6 6 8 10	14	CL	Stiff, light gray Sandy CLAY, some Silt, moist (CL)	L	M	2.5	-	Mottling present
	S-5	16	12 11 12 10	23	ML	Very stiff, light brown to brownish yellow Sandy SILT, some Clay, moist (ML)	L	L	4.0	-	Mottling present
10						End of boring at 10 feet BGS. Borehole backfilled with soil cuttings.					
15											
20											

N-Value: 10 20 30 40

In-Borehole Water Levels

Date / Time	Reading Event	Casing Tip (ft)	Bot. of Hole (ft)	Water Lvl (ft)

General Notes

BGS = Below Ground Surface
No groundwater encountered at time of drilling.

Toughness: Low (L), Medium (M), High (H)
Plasticity: Non-Plastic (NP), Low (L), Medium (M), High (H)
PP = Pocket Penetrometer, measured in tons per square ft.
TV = Torvane (Shear Vane), measured in tons per square ft.

▽ = ATD Water Level (At Time of Drilling)
▼ = AD Water Level (After Drilling - Short Term)
▼ = EOD Water Level (End of Drilling - Long Term)

MEMORANDUM OF DECOMMISSIONING PLAN

Mail to: Pleasant Solar LLC
c/o Solariant Capital, LLC
301 North Lake Ave., Ste. 950
Pasadena, CA 91101

STATE OF FLORIDA
COUNTY OF ALACHUA

THIS MEMORANDUM OF DECOMMISSIONING PLAN (this "Memorandum") is entered into as of this 3rd day of June, 2024, by and between **PLEASANT SOLAR LLC,** a Florida limited liability company whose mailing address is 301 North Lake Avenue, Suite 950, Pasadena, CA 91101 (herein called "Pleasant Solar"), and the City of Alachua ("City").

WHEREAS, Pleasant Solar is a limited liability company duly organized and existing under the laws of the State of Florida, with its principal place of business in Pasadena, California. Pleasant Solar is organized for the purpose of constructing, maintaining and operating solar facilities; and

WHEREAS, Pleasant Solar has proposed its Pleasant Solar Project as a 74.9MWac solar generation facility with a 20- to 40-year year expected useful life. The Pleasant Solar Project will be located on approximately +/- 350 acres of land situated in the City of Alachua, Florida on CR 235A. The project encompasses multiple parcels that are either owned or will be leased by Pleasant Solar; and

WHEREAS, upon the expiration or early termination of the Lease(s), Pleasant Solar is committed to returning the land occupied by the Pleasant Solar Project to the Owners in substantially the same condition as pre-construction, including removing improvements constructed or installed, unless otherwise agreed upon by the Owners. As part of this project, the City has required that Pleasant Solar record in the public records of Alachua County, Florida, Pleasant Solar's Decommissioning Plan for its proposed Pleasant Solar Project; and

WHEREAS, Pleasant Solar has agreed to memorialize the terms of its Pleasant Solar Project Decommissioning Plan in a memorandum required to be recorded in the public records of Alachua County, Florida.

NOW THEREFORE, Pleasant Solar has executed this Memorandum as evidence of its Pleasant Solar Project Decommissioning Plan so as to provide notice in the public record of the following covenants, conditions and agreements:

I. The above recitals are agreed to be true and correct and are incorporated herein.

2. Pleasant Solar's Pleasant Solar Project Decommissioning Plan is attached hereto and incorporated herein by reference as Exhibit A, which shall govern the decommissioning process of Pleasant Solar's Pleasant Solar Project located in the City of Alachua, Alachua County, Florida.

3. This Memorandum is prepared for purposes of recordation and to provide notice to the public and City of Pleasant Solar's decommissioning plan for its Pleasant Solar Project.

4. This Memorandum is governed by and shall be construed under Florida law.

IN WITNESS WHREOF, Pleasant Solar has executed this Memorandum this 3rd day of June 2024.

Witnesses (2):

Pleasant Solar:

PLEASANT SOLAR LLC, a Florida limited liability company

Kevin Kohlstedt

Name: Kevin Kohlstedt
Title: Authorized Person

ACKNOWLEDGMENT

STATE OF ~~FLORIDA~~ Texas
COUNTY OF ~~ALACHUA~~ Galveston

The foregoing Memorandum of Decommissioning Plan was acknowledged before me this 3rd day of June 2024, by Kevin Kohlstedt, as an Authorized Person of Pleasant Solar LLC, a Florida limited liability company, and who is personally known to me or has produced a driver's license as identification.

WITNESS my hand and official stamp or seal, this 3rd day of June, 2024.

NOTARY PUBLIC STATE OF TEXAS

David Lynn Toole

ID NUMBER
130548521
COMMISSION EXPIRES
February 22, 2028

David Lynn Toole
Notary Public/Seal/DatE

Electronically signed and notarized online using the Proof platform.

Exhibit A

See attached

SITE PLANS
FOR
PLEASANT SOLAR LLC
ALACHUA COUNTY, FLORIDA
SECTIONS 23 & 26, TOWNSHIP 08 SOUTH, RANGE 18 EAST
SUBMITTED TO
CITY OF ALACHUA
FLORIDA DEPARTMENT OF ENVIROMENTAL PROTECTION

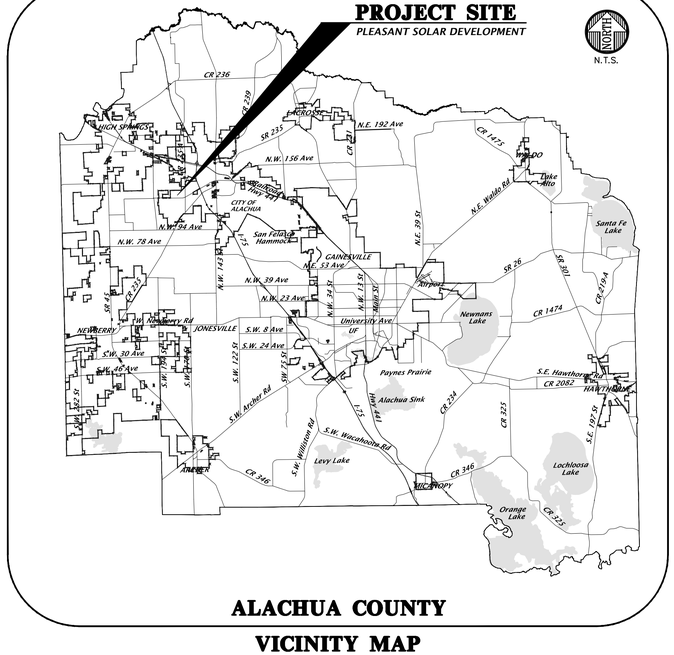
LAND OWNER/DEVELOPER
RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC.
301 N LAKE AVE STE 950
PASADENA, CA 91101
(630) 750-1145

CIVIL ENGINEER
TRAVIS J. HASTAY, PE
CHW
11801 RESEARCH DRIVE
ALACHUA, FLORIDA 32615
(352) 331-1976
TRAVISH@CHW-INC.COM

LANDSCAPE ARCHITECT
CAELI TOLAR
CHW
11801 RESEARCH DRIVE
ALACHUA, FLORIDA 32615
(352) 331-1976
CAELIT@CHW-INC.COM

SURVEYOR
CHAD A. COLSON
CHW
11801 RESEARCH DRIVE
ALACHUA, FLORIDA 32615
(352) 331-1976
CHADC@CHW-INC.COM

PROJECT SITE
PLEASANT SOLAR DEVELOPMENT



ALACHUA COUNTY
VICINITY MAP

GENERAL NOTES

1. *PROJECT NAME:*
   PLEASANT SOLAR DEVELOPMENT

2. *DEVELOPMENT DATA:*

OVERALL SITE AREA=	*14,004,346 S.F.*	*100.0%*	*321.49 ACRES*
BUILDING FOOTPRINT AREA=	*0 S.F.*	*0.0%*	
CONC./PAVE AREA=	*0 S.F.*	*0.0%*	
TOTAL IMPERVIOUS AREA=	*206,930 S.F.*	*1.48%*	
OPEN AREA=	*13,755,245 S.F.*	*98.22%*	

   DESCRIPTION: A SOLAR ENERGY FACILITY WITH ACCESS IMPROVEMENTS.

3. *PROJECT ADDRESS:*
   TBD (NORTHWESTERN QUADRANT OF THE INTERSECTION OF CR235A AND PEGGY ROAD.

4. *TAX PARCEL NUMBERS:*
   PARCELS NO. 03894-000-000 & 03898-000-000

5. *ENGINEER OF RECORD:*
   TRAVIS J. HASTAY
   CHW
   11801 RESEARCH DRIVE
   ALACHUA, FLORIDA 32615
   (352) 331-1976
   travish@chw-inc.com

6. *NUMBER OF UNITS/AREA OF BUILDINGS:*
   N/A

7. *DENSITY:*
   N/A

8. *PHASING:*
   N/A

9. *DEVELOPMENT CRITERIA:*

TYPE	*CRITERIA*	*REQUIRED*	*PROVIDED*
OPEN SPACE	*10%*	*32.149 AC*	*40 AC*
BUFFERS	*SEE ITEM 17*	*SEE ITEM 17*	*15' FROM ALL USES*

10. *LOT/BUILDING REQUIREMENTS:*

TYPE	*REQUIRED*
FRONT SETBACK (FT)	*100'*
REAR SETBACK (FT)	*100'*
SIDE SETBACK (FT)	*100'*

11. *WATER SUPPLY:*
    N/A

12. *SEWAGE DISPOSAL:*
    N/A

13. *DRAINAGE:*
    THE SITE DRAINS TO 15 EXISTING DEPRESSIONS LOCATED BOTH ON AND OFFSITE.

14. *ELECTRICAL UTILITY PROVISION:*
    TO BE PERMITTED WITH ALACHUA COUNTY UNDER SEPARATE COVER.

15. *NATURAL FEATURES:*
    0.12 AC WETLAND LOCATED IN SOUTHWESTERN QUADRANT OF SITE. PRESERVATION AND BUFFERING ARE PROPOSED.

16. *ALTERNATIVE LANDSCAPE PLAN APPROVED BY LDR ADMINISTRATOR UNDER LDR ADMINISTRATOR INTERPRETATION #PLDR-24-0009*

BEFORE YOU DIG:
CALL SUNSHINE STATE ONE CALL OF FLORIDA
AT LEAST TWO FULL BUSINESS DAYS BEFORE DIGGING OR DISTURBING EARTH
811
Know what's **below.** **Call** before you dig.
1-800-432-4770

PROJECT LIMITS
PLEASANT SOLAR DEVELOPMENT



LOCATION MAP

16. *ZONING/LAND USE INFORMATION:*
    03894-000-000
    ZONING = RESIDENTIAL SINGLE-FAMILY 4 (RSF-4)
    LAND USE = MODERATE DENSITY RESIDENTIAL (MOD)

    03898-000-000
    ZONING = AGRICULTURAL (A)
    LAND USE = AGRICULTURE (A)

    PER FLORIDA STATUTE 553 163.3205(3) SOLAR FACILITIES ARE PERMITTED BY RIGHT IN AGRICULTURAL ZONING AND LAND USES.

    PER ARTICLE 4 OF THE LDRS, MAJOR UTILITY INFRASTRUCTURE IS A PERMITTED USE WITHIN THE RESIDENTIAL SINGLE-FAMILY 4 ZONING DISTRICT WITH A SPECIAL EXEMPTION.

    PER ARTICLE 6 OF THE LDRS, THE PROPOSED SITE IS CONSISTENT WITH ALL APPLICABLE DEVELOPMENT STANDARDS. NO PARKING IS REQUIRED. THERE ARE EXISTING TREES ONSITE AND THE PROPOSED LANDSCAPING FULFILLS THE GENERAL SITE, MITIGATION, AND BUFFER REQUIREMENTS. THE EROSION PROTECTION PROPOSED FULFILLS THE ENVIRONMENTAL STANDARDS THROUGH USE OF BMPS IN CONJUCTION WITH THE SITE'S OVERALL LOW IMPACT.

17. *BUFFERS:*
    5' TYPE A FROM INDUSTRIAL SERVICES
    15' TYPE D FROM RESIDENTIAL USES

18. *PARKING*
    N/A

19. *DATE OF BOUNDARY SURVEY:*
    A BOUNDARY SURVEY WAS COMPLETED BY CHW AND DATED NOVEMBER 13, 2023.

20. *CONCURRENCY IMPACT ANALYSIS:*
    INCLUDED WITH THIS SUBMITTAL

21. *LEGAL DESCRIPTION:*
(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

A TRACT OF LAND SITUATED IN THE SOUTH 1/2 OF SECTION 20, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 20 FOR A POINT OF REFERENCE AND RUN N.01°43'30"W., ALONG THE WEST LINE OF SAID SECTION 20, A DISTANCE OF 40.32 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID WEST LINE OF SECTION 20 WITH THE NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054 (80 FOOT RIGHT OF WAY) AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE N.01°43'30"W., ALONG SAID WEST LINE OF SECTION 20, A DISTANCE OF 2547.72 FEET TO A CONCRETE MONUMENT AT THE NORTHWEST CORNER OF THE AFOREMENTIONED SOUTH ½ OF SECTION 20; THENCE RUN N.89°48'16"E., ALONG THE NORTH LINE OF SAID SOUTH 1/2 , A DISTANCE OF 4989.78 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY RIGHT OF WAY LINE OF COUNTY ROAD 235A (100 FOOT RIGHT OF WAY); THENCE RUN S.00°14'05"W., ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 2239.68 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID WESTERLY RIGHT OF WAY LINE WITH THE AFOREMENTIONED NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054; THENCE RUN S.59°24;55"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 100.58 FEET TO A CONCRETE MONUMENT AT THE BEGINNING OF A CURVE CONCAVE NORTHWESTERLY, SAID CURVE HAVING A RADIUS OF 1869.86 FEET; THENCE RUN SOUTHWESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 30°23'36", AN ARC DISTANCE OF 991.89 FEET (CHORD BEARING AND DISTANCE OF S.74°36'43"W., 980.30 FEET RESPECTIVELY) TO A CONCRETE MONUMENT AT THE END OF SAID CURVE; THENCE RUN S.89°48'31"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 2591.89 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTHERLY RIGHT OF WAY LINE WITH THE EAST LINE OF THE WEST ½ OF THE SOUTHWEST ¼ OF SAID SECTION 20; THENCE RUN N.01°58'22"W., ALONG SAID EAST LINE, A DISTANCE OF 243.48 FEET TO A CONCRETE MONUMENT LOCATED 300.00 FEET NORTH OF THE SOUTH LINE OF SAID SECTION 20; THENCE RUN N.89°27'14"W., PARALLEL WITH SAID SOUTH LINE OF SECTION 20, A DISTANCE OF 150.00 FEET; THENCE RUN S.01°58'22"E., PARALLEL WITH SAID EAST LINE, A DISTANCE OF 245.42 FEET TO SAID NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054; THENCE RUN S.89°48'31"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 1096.30 FEET TO A STEEL ROD AND CAP AT THE BEGINNING OF A CURVE CONCAVE NORTHERLY, SAID CURVE HAVING A RADIUS OF 1869.86 FEET; THENCE RUN WESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 01°02'35", AN ARC DISTANCE OF 34.04 FEET (CHORD BEARING AND DISTANCE OF N.89°40'12"W., 34.04 FEET RESPECTIVELY) TO THE TRUE POINT OF BEGINNING, LESS AND EXCEPT ONE ACRE RESERVED THEREIN FOR GRAVEYARD.

SAID ONE ACRE RESERVED FOR GRAVEYARD BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 20 FOR A POINT OF REFERENCE AND RUN N.01°43'30"W., ALONG THE WEST LINE OF SAID SECTION 20, A DISTANCE OF 2588.04 FEET TO A CONCRETE MONUMENT AT THE NORTHWEST CORNER OF THE AFOREMENTIONED SOUTH ½ OF SECTION 20, THENCE RUN N.89°48'16"E., ALONG THE NORTH LINE OF SAID SOUTH 1/2 , A DISTANCE OF 4989.78 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY RIGHT OF WAY LINE OF COUNTY ROAD 235A (100 FOOT RIGHT OF WAY); THENCE RUN S.00°14'05"W., ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 501.38 FEET; THENCE RUN N.89°45'54"W., A DISTANCE OF 405.49 FEET TO A STEEL ROD AND CAP AT THE TRUE POINT OF BEGINNING OF GRAVEYARD PARCEL; THENCE RUN S.00°14'06"W., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN N.89°45'54"W., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN N.00°14'06"E., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN S.89°45'54"E., A DISTANCE OF 208.71 FEET TO THE TRUE POINT OF BEGINNING.

AND BEING THE SAME PROPERTY CONVEYED TO WACO, INC., QUALIFIED TO DO BUSINESS IN FLORIDA AS WACO OF ALABAMA, INC., AN ALABAMA CORPORATION FROM INTERNATIONAL BUSINESS MACHINES CORPORATION, A NEW YORK CORPORATION BY SPECIAL WARRANTY DEED DATED NOVEMBER 10, 1997 AND RECORDED NOVEMBER 18, 1997 IN DEED BOOK 2140, PAGE 1837.; SAID WACO, INC, AN ALABAMA CORPORATION MERGED INTO WADE ALABAMA CORPORATION, A FLORIDA CORPORATION; AND SAID WACO OF ALABAMA, INC, AN ALABAMA CORPORATION MERGED INTO WADE ALABAMA CORPORATION, AN ALABAMA CORPORATION, AND SAID WADE ALABAMA CORPORATION, AN ALABAMA CORPORATION CHANGED ITS NAME TO WACO OF ALABAMA, INC., A FLORIDA CORPORATION, AND SAID WACO OF ALABAMA, INC, A FLORIDA CORPORATION CHANGED ITS NAME TO WACO PROPERTIES, INC, A FLORIDA CORPORATION.

TAX PARCEL NO. 03894-000-000

(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) IN SECTION 20, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA. LESS ROAD RIGHT-OF-WAY AS PER DEED RECORDED IN OFFICIAL RECORDS BOOK 103, PAGE 432 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. ALSO LESS THE NORTH 40 FEET FOR COUNTY ROAD RIGHT-OF-WAY PER OFFICIAL RECORDS BOOK 880, PAGE 168, PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.

AND BEING THE SAME PROPERTY CONVEYED TO GARY D. BROWN, AS TRUSTEE OF THE GARY D. BROWN REVOCABLE TRUST DATED JANUARY 23, 2004, AS TO AN UNDIVIDED 25% INTEREST AND LINDA WEIDNER, AS TO AN UNDIVIDED 25% INTEREST AND JOANNE ALSPAUGH, AS TO AN UNDIVIDED 25% INTEREST, AND HENDERSON BROTHERS, INC., AS TO AN UNDIVIDED 25% INTEREST, AS TENANTS IN COMMON FROM WILLIAM R. SABIS BY WARRANTY DEED DATED MAY 17, 2005 AND RECORDED MAY 27, 2005 IN DEED BOOK 3133, PAGE 24.

TAX PARCEL NO. 03898-000-000

SHEET INDEX

SHEET NUMBER	*DESCRIPTION*
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C0.20	*STORMWATER POLLUTION PREVENTION NOTES*
C0.21	*STORMWATER POLLUTION PREVENTION PLAN*
C0.30	*MASTER TREE CANOPY PROTECTION PLAN*
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C1.00	*MASTER SITE PLAN*
C1.10 - C1.28	*DETAILED HORIZONTAL CONTROL AND SITE PLAN*
C2.00	*MASTER GRADING AND DRAINAGE PLAN*
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SCALE: N/A
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY
0 1"

CONSTRUCTION/BID REVISIONS

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: COVER SHEET AND INDEX

TECHNICIAN: J. THOMAS
DESIGNER: M. CONKLIN
QA/QC CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
License No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C0.00

Texts: Hidden Plot Date: May 20,2024 11:01am Filename: M:\2021\21-0275\Department\04_Engineering\02_DWGs\Production Files\21-0275_C0.00_Cover_NT_C4.dwg

GENERAL NOTES

1. THE TOPOGRAPHIC AND EXISTING INFORMATION SHOWN HEREON WERE TAKEN FROM A BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED BY CHW, REVISION DATE 6/20/2023.

2. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAS BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING ANY UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. THE RESPECTIVE UTILITY COMPANIES SHALL RELOCATE ALL UTILITIES THAT INTERFERE WITH THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES DURING THE RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

3. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE APPROPRIATE UTILITY COMPANIES IN ORDER TO ALLOW MARKING OF THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES IN ADVANCE OF CONSTRUCTION BY CALLING THE FLORIDA SUNSHINE STATE ONE-CALL CENTER, INC. AT 1-800-432-4770 OR 811. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY "SUNSHINE" 48 HOURS PRIOR TO ANY CLEARING OF CONSTRUCTION TO IDENTIFY ALL UTILITY LOCATIONS. NO CONSTRUCTION ACTIVITY MAY OCCUR UNTIL THE UTILITIES HAVE BEEN PROPERLY MARKED.

4. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL LOCATION AND VERTICAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF THE PROJECT ENVELOPE SHOWN PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CALL ALL UTILITY COMPANIES TO HAVE THE LOCATIONS OF ALL UTILITIES FIELD MARKED PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONTINUING CONSTRUCTION.

5. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR.

6. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS BEFORE COMMENCING CONSTRUCTION WORK, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. ADDITIONAL COSTS ARE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.

7. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK INCLUDING LANDSCAPING.

8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY AND/OR MUNICIPALITY INSTRUCTIONS.

9. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND SHALL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. TRENCHES SHALL BE KEPT DRY WHILE PIPES ARE BEING PLACED. DEWATERING SHALL BE USED AS REQUIRED, AND PERMITTED THROUGH LOCAL GOVERNMENTAL AGENCIES AND WATER MANAGEMENT DISTRICT PER CURRENT REGULATIONS AT THE SOLE COST OF THE CONTRACTOR.

11. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT AND BORINGS PRIOR TO BIDDING THE PROJECT AND FOLLOW OUTLINED CONSTRUCTION TECHNIQUES.

12. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SERVICES OF AN APPROVED TESTING LABORATORY AND/OR SOILS ENGINEER, APPLICABLE REGULATORY AGENCIES, AND AS MAY BE FOUND IN THE ENGINEERING CONSTRUCTION DRAWINGS OR SPECIFICATIONS. CONTRACTOR TO VERIFY ALL TESTING WITH THE OWNER PRIOR TO COMMENCING CONSTRUCTION. UPON COMPLETION OF THE WORK, THE TESTING LABORATORY AND/OR SOILS ENGINEER MUST SUBMIT TO THE OWNER'S ENGINEER CERTIFICATIONS STATING THAT ALL REQUIREMENTS HAVE BEEN MET.

13. INSTALL SILT FENCE PRIOR TO SITE DEMOLITION OR NEW SITE CONSTRUCTION. INSTALL SILT FENCE PER FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL AND PROVIDE TOE-IN. THE CONTRACTOR SHALL MAINTAIN THE SILT FENCE IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. THE PROJECT SILT FENCE SHALL BE INSPECTED DAILY AND ANY CORRECTIVE MEASURES SHALL BE COMPLETED WITHIN 24 HOURS.

14. ALL TREE BARRICADES AND SILT FENCING SHALL BE INSTALLED AND INSPECTED BY THE CITY OF ALACHUA AND/OR CHW INSPECTOR PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR CONSTRUCTION ACTIVITIES.

15. THE CONTRACTOR IS TO PREPARE THE SITE PRIOR TO BEGINNING ACTUAL CONSTRUCTION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

16. ALL DELETERIOUS MATERIAL (I.E. MUCK, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER'S ENGINEER OR OWNER'S SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED AND REMOVED FROM THE SITE. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE AREAS.

17. CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. DISTURBED AREAS SHALL BE AS DIRECTED BY THESE PLANS, IMMEDIATELY FOLLOWING CONSTRUCTION PER LOCAL INSPECTOR.

18. WORK BEING PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH OTHER WORK BEING PERFORMED ON THE SITE BY OTHER CONTRACTORS AND/OR UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE HIS ACTIVITIES, WHERE NECESSARY, WITH OTHER CONTRACTORS AND UTILITY COMPANIES.

19. ALL PAVEMENT DIMENSIONS SHOWN ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

20. THE GOVERNING STANDARDS AND SPECIFICATIONS, UNLESS STATED OTHERWISE SHALL BE PER FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS (FY 2023-24 ROAD CONSTRUCTION), AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2023, AS AMENDED BY CONTRACT DOCUMENTS. ALL MATERIALS AND METHODS SHALL MEET FDOT SPECIFICATIONS AND SHALL BE PRODUCED OR OBTAINED FROM AN FDOT APPROVED SOURCE.

21. ALL NEW TRAFFIC CONTROL DEVICES (SIGNS AND PAVEMENT MARKINGS) SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT STANDARDS.

22. ALL STRIPING WITHIN THE RIGHT OF WAY SHALL BE PLACED FIRST AS TEMPORARY STRIPING FOLLOWED BY APPLICATION OF THERMOPLASTIC STRIPING 30 DAYS LATER.

23. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PROPER BENCHMARKS ON-SITE. EXISTING BENCH MARKS SCHEDULED FOR REMOVAL SHALL BE RELOCATED AT CONTRACTORS EXPENSE AND RE-ESTABLISHED BY A LICENSED SURVEYOR.

24. ALL HANDICAP RAMPS SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE AND AMERICANS WITH DISABILITIES ACT.

25. A PRE-CONSTRUCTION CONFERENCE SHALL BE REQUIRED. THE CONTRACTOR, ENGINEER OF RECORD, AND THE OWNER SHALL MEET WITH THE CITY OF ALACHUA PRIOR TO INITIATION OF SITE CONSTRUCTION.

26. ANY CHANGE ORDER REQUESTS, SITE REVISIONS, AND PAY REQUESTS MUST BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD.

27. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING AS NEEDED THROUGHOUT ALL CONSTRUCTION ACTIVITIES COVERED BY THESE PLANS. DEWATERING SHALL BE DONE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS, 2023-24 EDITION, SECTION 120.

28. THE CONTRACTOR IS RESPONSIBLE FOR THE PERFORMANCE AND COST OF ALL CLEARING AND GRUBBING AND ALL WORK OF REMOVAL, DISPOSAL, AND REPAIR OR REPLACEMENT OF EXISTING IMPROVEMENTS WHERE SHOWN IN THE PLANS, OR ORDERED BY THE ENGINEER TO BE REMOVED, OR WHERE REQUIRED BECAUSE OF THE CONSTRUCTION OPERATIONS, IN ORDER TO CONSTRUCT THE PROPOSED IMPROVEMENTS (THIS INCLUDES BUT IS NOT LIMITED TO PROPOSED PIPING, STRUCTURES, UTILITIES, PAVING, CURBING, ETC.).

29. AN AS-BUILT SURVEY WILL BE REQUIRED BY REGULATORY AGENCIES. CONTRACTOR TO COORDINATE WITH PROJECT OWNER FOR COMPLETION OF AS-BUILT SURVEYS PRIOR TO PROJECT / PERMIT CLOSE-OUT.

MAINTENANCE OF TRAFFIC (MOT) NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR CREATING A MAINTENANCE OF TRAFFIC (MOT) PLAN FOR CONSTRUCTION ACTIVITY THAT OCCURS WITHIN THE PUBLIC RIGHT-OF-WAY, INCLUDING BUT NOT LIMITED TO SIDEWALK WORK AND ACTIVITIES THAT REQUIRE A LANE (OR ROAD) CLOSURE, SUCH AS CONNECTION TO SEWER MANHOLES AND WATER MAINS. THE MOT PLAN MUST BE CREATED BY A REGISTERED PROFESSIONAL ENGINEER WHO IS CERTIFIED TO DO SO BY THE FDOT MOT CERTIFICATION TRAINING. THE MOT PLAN MUST ALSO BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS AND FDOT STANDARD SPECIFICATIONS REQUIREMENTS AND MUST BE REVIEWED AND APPROVED BY THE CITY OF ALACHUA PUBLIC WORKS.

2. THE CONTRACTOR SHALL SUBMIT THE MOT TO THE APPROPRIATE REGULATORY AUTHORITY PRIOR TO WORK REQUIRING THE MOT FOR APPROVAL. NO WORK IN THE ROW SHALL OCCUR UNTIL THE MOT IS APPROVED.

DEMOLITION GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLITION MATERIALS IN A SAFE AND LAWFUL MANNER. THE CONTRACTOR SHALL SALVAGE TO THE OWNER ANY ITEM AS DETERMINED BY THE OWNER. ONCE DEMOLISHED, MATERIAL SHALL BE DISPOSED OF PROPERLY AND IMMEDIATELY.

2. REMOVE ALL IMPROVEMENTS DEFINED ON THE DEMOLITION PLAN. SALVAGE ITEMS TO OWNER AS DEFINED BY THE OWNER'S REPRESENTATIVE AND CONSTRUCTION DOCUMENT SPECIFICATIONS.

3. EXISTING PAVEMENT AND SIDEWALK EDGES THAT BORDER NEW CONSTRUCTION OR DEMOLITION ARE TO BE SAW-CUT TO PROVIDE A SMOOTH TRANSITION.

4. ALL EXISTING TREES ARE TO REMAIN UNLESS OTHERWISE NOTED.

5. ROOTS LARGER THAN 1 INCH IN DIAMETER ON TREES TO BE PRESERVED THAT ARE ENCOUNTERED DURING CONSTRUCTION MUST BE CUT CLEANLY AND COVERED OVER WITH SOIL BY THE END OF THE WORKING DAY.

6. ALL ASPHALT AND LIMEROCK WILL BE COMPLETELY REMOVED FROM AREAS THAT WILL BE LANDSCAPED. IN PARTICULAR, AREAS WHERE ASPHALT WILL BE REMOVED MUST HAVE THE TOP HARD SURFACE, LIMEROCK, AND COMPACTED SOIL REMOVED. REPLACEMENT SOIL SHALL BE CLEAN DEEP FILL OF PH 5.5 - 6.5. THE DEPTH OF UNCOMPACTED SOIL PRIOR TO PLANTING MUST BE AT LEAST 3 FEET TO ACCOMMODATE FUTURE TREE ROOT GROWTH. NO LIMEROCK, LARGE STONES, OR OTHER CONSTRUCTION DEBRIS CAN REMAIN IN AREAS TO BE LANDSCAPED.

PAVING, GRADING, AND DRAINAGE GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL PRACTICES DURING CONSTRUCTION TO MINIMIZE ON-SITE EROSION/SEDIMENTATION AND TO PROTECT AGAINST DAMAGE TO OFF SITE PROPERTY. THE FOLLOWING PRACTICES SHALL BE EMPLOYED:

A. EROSION AND SEDIMENTATION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. AREAS OF OFF-SITE DISCHARGE DURING CONSTRUCTION SHALL BE PROTECTED WITH A SEDIMENT BARRIER PER FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL TO PREVENT OFF-SITE DISCHARGE OF SEDIMENTS. A SILT BARRIER SHALL SPECIFICALLY BE REQUIRED, CONSTRUCTED, AND MAINTAINED AS INDICATED ON THIS SHEET. TEMPORARY SEED AND MULCH SHOULD BE USED TO CONTROL ON-SITE EROSION WHEN IT IS NOT PRACTICAL TO ESTABLISH PERMANENT VEGETATION. SOD SHALL BE PLACED AS EARLY AS POSSIBLE ON ALL SLOPES STEEPER THAN 5 (FT) HORIZONTAL TO 1 (FT) VERTICAL. SOD SHALL BE PINNED AS REQUIRED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. THE CONTRACTOR SHALL INSPECT AND REPAIR AS NECESSARY THE EROSION/SEDIMENTATION PROTECTION AT THE END OF EACH WORKING DAY.

NOTE: EROSION/SEDIMENTATION CONTROL SHALL BE PLACED PRIOR TO SITE EXCAVATION AND SHALL REMAIN IN PLACE UNTIL SITE VEGETATION AND LANDSCAPING IS COMPLETE.

B. ALL INLET STRUCTURES AND PIPE SHALL BE PROTECTED FROM SILTATION BY CONSTRUCTING INLET PROTECTION AS DEFINED BY THESE PLANS OR IN THE FDOT STANDARDS. IF SILTATION OCCURS, THE CONTRACTOR IS RESPONSIBLE TO REMOVE SILTATION AS PART OF THE BASE CONTRACT AT NO ADDITIONAL COST TO THE OWNER.

C. EXCAVATED STORMWATER FACILITIES SHALL BE CONSTRUCTED AS PART OF THE INITIAL CONSTRUCTION. THE FACILITIES SHALL BE ROUGH GRADED TO THE DESIGN ELEVATIONS. AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED, THE FACILITIES BOTTOM SHALL BE OVER-EXCAVATED BY SIX INCHES, SCARIFIED, BACKFILLED WITH ARCHER FILLE (HAVING NO MORE THAN 5% PASSING NO. 200 SIEVE), AND GRADED TO FINAL DESIGN GRADES. EXCESS AND UNSUITABLE SOILS SHALL BE REMOVED FROM THE BASIN (REMOVE ALL ACCUMULATED SILTS, CLAYS, ORGANIC, AND DEBRIS). FINALLY, SCARIFIED AND RAKE BOTTOM AND VEGETATE.

D. PERMANENT VEGETATIVE STABILIZATION SHALL BE APPLIED ON FINE GRADED SITES AS SOON AS PRACTICAL. TEMPORARY SEEDING SHOULD BE EMPLOYED TO PREVENT EXPOSURE OF BARREN SOILS UNTIL PERMANENT VEGETATION CAN BE APPLIED.

E. ALL SLOPES 1:3 OR STEEPER REQUIRE LAPPED OR PEGGED SOD.

F. EROSION, SEDIMENT AND TURBIDITY CONTROL ARE THE RESPONSIBILITY OF THE CONTRACTOR. THESE DELINEATED MEASURES ARE THE MINIMUM REQUIRED, WITH ADDITIONAL CONTROLS TO BE UTILIZED AS NEEDED, DEPENDENT UPON ACTUAL SITE CONDITIONS AND CONSTRUCTION OPERATION.

G. ALL SYNTHETIC BALES, SILT FENCE, AND OTHER EROSION CONTROL MEASURES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.

2. THE CONTRACTOR SHALL MAINTAIN IN HIS POSSESSION A COPY OF THE ENVIRONMENTAL RESOURCE CONSTRUCTION PERMIT. HE SHALL BE RESPONSIBLE FOR ADHERENCE TO ALL CONDITIONS CONTAINED IN THE PERMIT.

3. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.

4. CONTRACTOR SHALL SUBMIT FOR REVIEW TO THE OWNER AND OWNER'S ENGINEER SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO BE USED ON THIS SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL OF A SHOP DRAWING DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR THE PERFORMANCE OF THE ITEM.

5. THE COST OF ALL TESTING OF COMPACTION AND OTHER REQUIRED TESTS SHALL BE PAID BY THE CONTRACTOR AND MADE AVAILABLE TO THE ENGINEER OF RECORD DURING SITE INSPECTIONS.

6. GENERAL CONTRACTOR TO CONTACT ENGINEER OF RECORD AND THE OWNER REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO BACKFILLING TRENCHES FOR FIELD INSPECTION AND PRIOR TO LAYING ASPHALT FOR FIELD INSPECTION.

7. CONTRACTOR IS TO SUBMIT FDOT APPROVED ASPHALT DESIGN MIXES TO THE OWNER'S REPRESENTATIVE AND ENGINEER OF RECORD BEFORE ANY WORK IS TO COMMENCE ON PROJECT. THE MIXTURE AT THE PLANT OR ON THE ROAD SHALL NOT EXCEED 335 DEGREES. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND PROVIDE TEMPERATURE READINGS PRIOR TO LAYING ASPHALT.

8. AS DETERMINED NECESSARY AND DIRECTED BY CITY OF ALACHUA, OR ENGINEER OF RECORD, THE CONTRACTOR SHALL UNDERCUT ALL UNSUITABLE MATERIAL 24 INCHES BELOW THE BOTTOM OF ANY PROPOSED LIMEROCK BASE, AND SHALL BACKFILL WITH FILL MATERIAL MEETING FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. SEE FDOT INDEX NO. 120-001 AND 120-002.

9. PROVIDE LEVEL PLATFORM IN FRONT OF ALL EGRESS DOORS. THE FLOOR SURFACE ON BOTH SIDES OF A DOOR SHALL BE AT THE SAME ELEVATION. THE FLOOR SURFACE OR LANDING ON EACH SIDE OF THE DOOR SHALL EXTEND FROM THE DOOR IN THE CLOSED POSITION A DISTANCE EQUAL TO THE DOOR WIDTH AND SHALL COMPLY WITH SECTION 4.13.6 MANEUVERING CLEARANCES AT DOORS OF THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.

10. RAMPS SHALL HAVE LEVEL LANDINGS AT THE BOTTOM AND TOP OF EACH RAMP RUN. CURB RAMPS ARE NOT REQUIRED TO HAVE LANDINGS. LANDINGS SHALL HAVE THE FOLLOWING FEATURES:

A. THE LANDING SHALL BE AT LEAST AS WIDE AS THE RAMP RUN LEADING TO IT.

B. ALL LANDINGS ON RAMPS SHALL BE NOT LESS THAN 60" CLEAR, AND THE BOTTOM OF EACH RAMP SHALL HAVE NOT LESS THAN 72" OF STRAIGHT AND LEVEL CLEARANCE.

C. IF RAMPS CHANGE DIRECTION AT LANDINGS, THE MINIMUM LANDING SIZE SHALL BE 60"X60". IF A RAMP RUN HAS A RISE GREATER THAN 6" OR A HORIZONTAL PROJECTION GREATER THAN 72" THEN IT SHALL HAVE HANDRAILS ON BOTH SIDES. HANDRAILS ARE NOT REQUIRED ON CURB RAMPS. HANDRAILS SHALL BE SHOWN ON THE SITE PLAN.

11. THE CONTRACTOR SHALL STOCKPILE TOPSOIL AND CONSTRUCTION MATERIALS IN AREAS DESIGNATED BY THE OWNER.

12. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING RECORD DRAWINGS AS NOTED IN NOTE #29 UNDER SITE GENERAL NOTES.

13. ALL CONCRETE USED SHALL BE 2,500 PSI MINIMUM.

14. ALL WELLS, CLEANOUTS, MANHOLE TOPS, PULL BOX COVERS AND OTHER UTILITY APPURTENANCES IN THE AREA OF REDEVELOPMENT SHALL BE PROTECTED AND TOPS ADJUSTED TO MATCH PROPOSED GRADES.

15. CONTRACTOR SHALL SAW CUT, TACK, AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS ANY EXISTING PAVEMENT.

16. SOD SHALL BE PLACED AROUND ALL STRUCTURES AS DIRECTED BY THE FDOT INDEX NO. 524-001 AND FDOT INDEX 425- AND 430- SERIES AS APPROPRIATE. ALL OTHER DISTURBED AREAS SHALL BE SEEDED AND MULCHED.

17. ALL STORM SEWER CURB AND DITCH BOTTOM INLETS SHALL CONFORM TO THE APPLICABLE FDOT INDEX. ALL DRAINAGE STRUCTURES WITH GRATES THAT ARE LOCATED IN GRASSED AREAS SHALL HAVE THE GRATE CHAINED TO THE STRUCTURE USING AN EYE BOLT AND CHAIN.

18. ALL CONCRETE STRUCTURES SHALL HAVE ALL EXPOSED EDGES CHAMFERED 3/4" AND CLASS I SURFACE FINISH.

19. ALL HDPE FITTINGS AND CONNECTORS SHALL BE WATER TIGHT. SEE SPECIFICATIONS FOR MORE INFORMATION.

20. COMPACTION OF ALL MATERIALS SHALL BE LIMITED TO STATIC MODE ONLY, UNLESS DIRECTED OTHERWISE BY THE ENGINEER OF RECORD.

21. ALL STORMWATER PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 430.

MAINTENANCE OF STORMWATER SYSTEM

1. PLEASANT SOLAR, LLC SHALL BE THE ENTITY RESPONSIBLE FOR THE STORMWATER BASINS AND FOR THE STORMWATER CONVEYANCE SYSTEM.

CITY OF ALACHUA NOTES

1. ALL STAGING AREAS FOR CONSTRUCTION EQUIPMENT, VEHICLES, AND MATERIALS FOR INSTALLATION MUST BE INTERNAL TO THE SITE.

2. CONSTRUCTION ACTIVITIES MAY ONLY OCCUR BETWEEN THE HOURS OF 7:00 AM AND 7:00 PM, MONDAY THROUGH FRIDAY AND BETWEEN THE HOURS OF 9:00 AM AND 7:00 PM, SATURDAY AND SUNDAY.

3. DUST AND DEBRIS FROM CONSTRUCTION ACTIVITIES MUST BE MINIMIZED AS TO NOT SPREAD DUST AND DEBRIS OFF-SITE. THIS MAY INCLUDE, BUT IS NOT LIMITED TO, DUST CONTROL ACHIEVED THROUGH WATER TRUCKS, REMOVAL OF MUD/SOIL FROM VEHICLE TIRES BEFORE EXITING THE SITE, AND STREET CLEANING.

4. ANY LIGHTING REQUIRED FOR CONSTRUCTION ACTIVITIES MUST BE SHIELDED AND/OR DIRECTED AS TO NOT SPILL LIGHT TO OFF-SITE AREAS OR ADJACENT PROPERTIES AND RIGHTS-OF-WAY. LIGHTING MAY ONLY BE USED DURING THE RESTRICTED HOURS OF CONSTRUCTION ACTIVITIES, EXCEPT FOR MINIMAL SECURITY LIGHTING, WHICH MAY BE USED OUTSIDE OF THE RESTRICTED HOURS OF CONSTRUCTION ONLY SUCH THAT NO DISTURBANCES OR LIGHT SPILL TO OFF-SITE AREAS OR ADJACENT PROPERTIES AND RIGHTS-OF-WAY OCCUR.

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SCALE: N/A
VERIFY SCALE: BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: GENERAL NOTES

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C0.10

Tech: nicolac Plot Date: Apr 29,2024 11:50am Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.00_Cover_NT_LG.dwg

ABBREVIATIONS

	SYMBOLS
'	*FEET (WHEN USED WITH LENGTHS)*
°	*DEGREES*
'	*MINUTES (WHEN USED WITH ANGLES)*
"	*SECONDS*
%	*PERCENT*
@	*AT*
	A
AASHTO	*ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS*
AC	*ACRES*
ADA	*AMERICAN WITH DISABILITIES ACT*
ANSI	*AMERICAN NATIONAL STANDARDS INSTITUTE*
ARCH	*ARCHITECT*
ARV	*AIR RELEASE VALVE*
ASTM	*AMERICAN SOCIETY FOR TESTING AND MATERIALS*
AWWA	*AMERICAN WATER WORKS ASSOCIATION*
	B
BC	*BACK OF CURB*
BFP	*BACKFLOW PREVENTER*
BLDG	*BUILDING*
BM	*BENCHMARK*
BMP	*BEST MANAGEMENT PRACTICE*
BOC	*BACK OF CURB*
BVCS	*BEGIN VERTICAL CURVE STATION*
BVCE	*BEGIN VERTICAL CURVE ELEVATION*
BW	*BOTTOM OF WALL*
BSL	*BUILDING SETBACK LINE*
	C
CATV	*CABLE TELEVISION*
CI	*CURB INLET*
CIP	*CAST IRON PIPE*
CLDIP	*CEMENT LINE DUCTILE IRON PIPE*
CMP	*CORRUGATED METAL PIPE*
CO	*CLEANOUT*
COA	*CITY OF ALACHUA*
CONC	*CONCRETE*
COORD	*COORDINATE*
CR	*COUNTY ROAD*
C/O	*CLEANOUT*
	D
DBH	*DIAMETER AT BREAST HEIGHT*
DE	*DRAINAGE EASEMENT*
DEG	*DEGREE*
DIA	*DIAMETER*
DIP	*DUCTILE IRON PIPE*
DWG	*DRAWING*
	E
e	*RATE OF ELEVATION*
E	*EAST*
EA	*EACH*
EL	*ELEVATION*
ELEV	*ELEVATION*
EOP	*EDGE OF PAVEMENT*
EOR	*ENGINEER OF RECORD*
ERCP	*ELLIPTICAL REINFORCED CONCRETE PIPE*
ESMT	*EASEMENT*
EVCS	*END VERTICAL CURVE STATION*
EVCE	*END VERTICAL CURVE ELEVATION*
EX	*EXISTING*
	F
FAC	*FLORIDA ADMINISTRATIVE CODE*
FBR	*FLORIDA BEARING RATIO*
FC	*FRICTION COURSE*
FDEP	*FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION*
FDOT	*FLORIDA DEPARTMENT OF TRANSPORTATION*
FFE	*FINISHED FLOOR ELEVATION*
FH	*FIRE HYDRANT*
FHWA	*FLORIDA HIGHWAY ADMINISTRATION*
FIG	*FIGURE*
FM	*FORCE MAIN*
FOC	*FACE OF CURB*
FS	*FLORIDA STATUTES*
FT	*FEET*
	G
GALV	*GALVANIZED*
GM	*GAS MAIN*
GV	*GATE VALVE*
	H
HDPE	*HIGH DENSITY POLYETHYLENE*
HP	*HIGH POINT*
	I
ID	*IDENTIFICATION*
INV	*INVERT*
INV EL	*INVERT ELEVATION*
IP	*IRON PIPE*
	K
K	*VERTICAL CURVE RATE OF CHANGE*
	L
L	*LENGTH*
LA	*LANDSCAPE ARCHITECT*
LBR	*LIMEROCK BEARING RATIO*
LDR	*LAND DEVELOPMENT REGULATION*
LF	*LINEAR FEET*
LP	*LOW POINT*
LT	*LEFT*
	M
MAX	*MAXIMUM*
ME	*MATCH EXISTING*
MH	*MANHOLE*
MIN	*MINIMUM*
MISC	*MISCELLANEOUS*
MJ	*MECHANICAL JOINT*
MUTCD	*MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES*
	N
N	*NORTH*
N-E	*NORTHING - EASTING*
N/A	*NOT APPLICABLE*
NAVD	*NORTH AMERICAN VERTICAL DATUM OF 1988*
NGVD	*NATIONAL GEODETIC VERTICAL DATUM OF 1929*
NO	*NUMBER*
NPDES	*NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM*
NTS	*NOT TO SCALE*
	O
OC	*ON CENTER*
OHW	*OVERHEAD WIRE*
ORB	*OFFICIAL RECORDS BOOK*
OSHA	*OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION*
	P
PAVT	*PAVEMENT*
PC	*POINT OF CURVATURE*
PCC	*POINT OF COMPOUND CURVE*
PE	*POLYETHYLENE*
PERF	*PERFORATED*
PROP	*PROPOSED*
PT	*POINT OF TANGENCY*
PVC	*POLYVINYL CHLORIDE*
PUE	*PUBLIC UTILITY EASEMENT*
PVI	*POINT OF VERTICAL INTERSECTION*
	R
R	*RADIUS*
RCP	*REINFORCED CONCRETE PIPE*
RPM	*RAISED REFLECTIVE PAVEMENT MARKER*
RPZ	*REDUCED PRESSURE ZONE*
RT	*RIGHT*
RWM	*RECLAIMED WATER MAIN*
R/W	*RIGHT-OF-WAY*
	S
S	*SOUTH*
SAN	*SANITARY*
SHWE	*SEASONAL HIGH WATER ELEVATION*
SF	*SILT FENCE*
SL	*SLOPE*
SP	*SUPERPAVE*
SR	*STATE ROAD*
SS	*SANITARY SEWER*
ST	*STORM*
STA	*STATION*
STD	*STANDARD*
	T
TB	*TREE BARRICADE*
TCE	*TEMPORARY CONSTRUCTION EASEMENT*
TEMP	*TEMPORARY*
TOB	*TOP OF BANK*
TV	*TELEVISION*
TW	*TOP OF WALL*
TYP	*TYPICAL*
	U
USF	*UNITED STATES FOUNDRY*
USGS	*UNITED STATES GEOLOGICAL SURVEY*
UTIL	*UTILITY*
	V
V	*VERTICAL*
VC	*VERTICAL CURVE*
VCP	*VITRIFIED CLAY PIPE*
	W
W	*WEST*
W	*WATER*
W/	*WITH*
WM	*WATER MAIN*
WW	*WASTEWATER*
WWF	*WELDED WIRE FABRIC*

SIGNAGE

SIGNS ARE PER FDOT SPECIFICATIONS OR PER MUTCD. SIGN POSTS AND INSTALLATION SHALL BE PER FDOT INDEX NO. 700-010. SIGN PLACEMENT SHALL BE PER FDOT INDEX NO. 700-101.

FTP-20-06 (12" X 18") PER FDOT INDEX NO. 700-102

R1-1 "STOP" - SEE PLANS FOR SIZE

SITE INFORMATION

EX. PROPERTY LINE
LANDSCAPE BUFFER LINE
BUILDING SETBACK LINE
WETLAND LIMITS LINE
WETLAND SETBACK LINE
CENTER LINE
EASEMENT LINE
RIGHT-OF-WAY LINE
SILT FENCE LINE
TREE BARRICADE LINE
EX. STRUCTURE OR BUILDING
PROPOSED BUILDING
PROPOSED ASPHALTIC PAVEMENT
PROPOSED CONCRETE PAVEMENT
PROPOSED DETECTABLE WARNING SURFACE
DIRECTIONAL TRAFFIC ARROW PER FDOT INDEX NO. 17346
WATERSHED DIVIDE
EX. ELEVATION CONTOUR
PROPOSED CONTOUR
EX. SPOT ELEVATION
PROPOSED SPOT ELEVATION
DIRECTION OF SURFACE DRAINAGE FLOW
PROPOSED SWALE LINE
EX. FENCE
PROPOSED FENCE
EX. TREE (SIZE & TYPE)
EX. TREE (TREE ID)
EX. TREE TO BE REMOVED (SIZE & TYPE)
EX. TREE TO BE REMOVED (TREE ID)
PROJECT BENCHMARK

STORMWATER

THE PROPOSED STORMWATER STRUCTURES DEPICTED BELOW ARE DRAWN PER FDOT SPECIFICATIONS AND TO SCALE WHEN SHOWN ON THE PLAN SHEETS.

EX. GRAVITY STORMWATER MAIN
PROPOSED GRAVITY STORMWATER MAIN (PIPE LENGTHS ARE FROM N-E LOCATION OF A STRUCTURE TO N-E LOCATION OF A STRUCTURE)
EX. STORMWATER MANHOLE
PROPOSED 48" DIA. STORMWATER MANHOLE PER FDOT INDEX. NO. 425-001 AND 425-010
PROPOSED CIRCULAR AREA DRAIN
PROPOSED SQUARE AREA DRAIN
PROPOSED TYPE 1 CURB INLET TOP PER FDOT INDEX NO. 425-020 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 2 CURB INLET TOP PER FDOT INDEX NO. 425-020 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 3 CURB INLET TOP PER FDOT INDEX NO. 425-020 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 4 CURB INLET TOP PER FDOT INDEX NO. 425-020 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 5 CURB INLET TOP PER FDOT INDEX NO. 425-021 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 6 CURB INLET TOP PER FDOT INDEX NO. 425-021 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 9 CURB INLET TOP PER FDOT INDEX NO. 425-024 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 'C' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 425-052 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)
PROPOSED TYPE 'D' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 425-052 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)
PROPOSED TYPE 'E' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 425-052 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)
PROPOSED TYPE 'F' DITCH BOTTOM INLET TOP WITH STEEL GRATE PER FDOT INDEX NO. 425-053 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 'G' DITCH BOTTOM INLET TOP WITH STEEL GRATE PER FDOT INDEX NO. 425-053 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED TYPE 'H' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 425-052 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)
PROPOSED TYPE 'J' DITCH BOTTOM INLET TOP WITH STEEL GRATE PER FDOT INDEX NO. 425-054 (SEE PLANS FOR BOTTOM SPECIFICATION)
PROPOSED U-TYPE CONCRETE ENDWALLS WITH GRATES PER FDOT INDEX NO. 430-010 (SEE PLANS FOR SIZE)
PROPOSED FLARED END SECTION PER FDOT INDEX NO. 430-020 (SEE PLANS FOR SIZE)
PROPOSED CROSS DRAIN MITERED END SECTION PER FDOT INDEX NO. 430-021 (SEE PLANS FOR SIZE)
PROPOSED SIDE DRAIN MITERED END SECTION PER FDOT INDEX NO. 430-022 (SEE PLANS FOR SIZE)
PROPOSED STORMWATER STRUCTURE ID TAG

POTABLE AND RECLAIMED WATER

EX. POTABLE WATER MAIN
PROPOSED POTABLE WATER MAIN
EX. RECLAIMED WATER MAIN
PROPOSED RECLAIMED WATER MAIN
11.25° BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
22.5° BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
45° BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
90° BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
TEE (POTABLE AND RCW)
CROSS (POTABLE AND RCW)
BLOWOFF ASSEMBLY (POTABLE AND RCW)
REDUCER (POTABLE AND RCW)
EX. GATE VALVE AND BOX (POTABLE AND RCW)
PROPOSED GATE VALVE AND BOX (POTABLE AND RCW)
EX. AIR RELEASE VALVE (POTABLE AND RCW)
PROPOSED AIR RELEASE VALVE (POTABLE AND RCW)
EX. FIRE HYDRANT ASSEMBLY
PROPOSED FIRE HYDRANT ASSEMBLY
PROPOSED SAMPLE POINT
EX. WATER METER (POTABLE AND RCW)
PROPOSED POTABLE WATER METER
PROPOSED POTABLE WATER BACK FLOW PREVENTER
PROPOSED RECLAIMED WATER METER
EX. WATER WELL
EX. HOSE BIB (POTABLE AND RECLAIMED)
PROPOSED HOSE BIB (POTABLE AND RECLAIMED)
PROPOSED FITTING ID TAG (POTABLE AND RECLAIMED)

WASTEWATER

EX. GRAVITY WASTEWATER MAIN
PROPOSED GRAVITY WASTEWATER MAIN (PIPE LENGTHS ARE FROM N-E LOCATION OF A STRUCTURE TO N-E LOCATION OF A STRUCTURE)
EX. WASTEWATER FORCE MAIN
PROPOSED WASTEWATER FORCE MAIN
EX. WASTEWATER MANHOLE
PROPOSED WASTEWATER MANHOLE
EX. WASTEWATER CLEANOUT
PROPOSED WASTEWATER CLEANOUT
PROPOSED WASTEWATER GREASE TRAP
PROPOSED WASTEWATER MANHOLE ID
11.25° BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
22.5° BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
45° BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
90° BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
WYE W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
EX. PLUG VALVE AND BOX (WW FORCE MAIN)
PROPOSED PLUG VALVE AND BOX (WW FORCE MAIN)
EX. AIR RELEASE VALVE (WW FORCE MAIN)
PROPOSED AIR RELEASE VALVE (WW FORCE MAIN)

MISCELLANEOUS UTILITIES

THE PROPOSED UTILITIES BELOW ARE DESIGN BY OTHERS AND ARE DEPICTED FOR COORDINATION PURPOSES ONLY. REFER TO PLANS BY OTHERS FOR EXACT LOCATIONS, DIMENSION, AND DETAILS.

PROPOSED AT&T LINE
EX. BURIED CABLE LINE
PROPOSED BURIED CABLE LINE
EX. BURIED TELEPHONE LINE
PROPOSED TELEPHONE LINE
EX. CABLE TELEVISION LINE
PROPOSED CABLE/TELEVISION LINE
EX. FIBER OPTIC LINE
EX. UNDERGROUND TELEPHONE LINE
EX. TELEPHONE PEDESTAL
EX. TELEVISION/CABLE PEDESTAL
EX. CHILLED WATER MAIN
PROPOSED CHILLED WATER MAIN
EX. FIRE MAIN
PROPOSED FIRE MAIN
EX. IRRIGATION LINE
PROPOSED IRRIGATION LINE
EX. STEAM LINE
PROPOSED STEAM LINE
PROPOSED CLAY ELECTRIC LINE
EX. ELECTRIC LINE
PROPOSED ELECTRIC LINE
EX. ENERGY LINE
PROPOSED PRIVATE LIGHTING LINE
EX. OVERHEAD WIRE LINE
EX. UNDERGROUND ELECTRIC LINE
EX. LIGHT
EX. UTILITY POLE
EX. UTILITY POLE
EX. WOOD POWER POLE
EX. GUY ANCHOR
PROPOSED TRANSFORMER
EX. GAS LINE
PROPOSED GAS LINE
EX. GAS MARKER
EX. GAS MARKER

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NOTES:
1. THIS LEGEND IS ALL INCLUSIVE AND MAY INCLUDE ITEMS NOT A PART OF THIS PLAN SET.

2. SYMBOLS SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. UNLESS NOTED OTHERWISE, SYMBOLS IN THESE PLANS MAY NOT BE REPRESENTATIVE OF SIZE.

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CONSTRUCTION/BID REVISIONS:

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: LEGEND

TECHNICIAN: J. THOMAS
DESIGNER: N. CHAP
PROJECT CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C0.11

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I. INTRODUCTION

THIS DOCUMENT WAS PREPARED IN ORDER TO ILLUSTRATE COMPLIANCE WITH CHAPTER 62-621.300 (4) OF THE FLORIDA ADMINISTRATIVE CODE, WHICH PERTAINS TO THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THE ADMINISTRATIVE CODE GRANTS THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) THE AUTHORITY TO REGULATE POINT SOURCE DISCHARGE OF STORMWATER FROM CONSTRUCTION SITES. THIS DOCUMENT ESTABLISHES A STORMWATER POLLUTION PREVENTION PLAN FOR THE SITE USING STANDARD PRACTICE AND BEST MANAGEMENT PRACTICES (BMPs) AND IS ORGANIZED TO CORRESPOND TO 62-621.300(4)(a) GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES FDEP FORM 62-621.300(4)(b) IS TO BE SUBMITTED IN CONJUNCTION WITH THIS DOCUMENT. CONTRACTOR(S) MUST FILL IN THE ACTIVITIES SEQUENCE (SECTION II. B. BELOW) AND SIGN THIS SHEET (REFER TO SIGNATURE TABLE THIS SHEET) AND RETAIN THIS SHEET AND ALL FOLLOWING SWPPP SHEETS ON SITE. ALTERNATIVELY, CONTRACTOR(S) MAY PREPARE AND SIGN THEIR OWN SWPP PLAN MEETING THE REQUIREMENTS. IF THE SITE OR CONTRACTOR ACTIVITIES REQUIRE ANY BMPs THAT ARE NOT DESCRIBED ON THIS SHEET, THE CONTRACTOR MUST PREPARE AN ALTERNATIVE OR ADDITIONAL SWPPP DOCUMENT CONTAINING THE NECESSARY BMPs.

II. SITE DESCRIPTION

COUNTY:	*ALACHUA COUNTY, FLORIDA*
SECTION, TOWNSHIP, RANGE:	*SECTION 17&20, TOWNSHIP 8 SOUTH, RANGE 17 EAST*
COUNTY PARCEL NO.:	*03894-0000-000 & 03898-000-000*
STREET ADDRESS:	*TBD, ALACHUA, FLORIDA*
PROJECT AREA:	*321.49 ACRES*
SITE LOCATION MAP:	*SEE COVER SHEET OF CONSTRUCTION DRAWINGS*

A. NATURE OF CONSTRUCTION ACTIVITY

THE PROPOSED DEVELOPMENT IS THE CONSTRUCTION OF ±320 AC SOLAR ENERGY FACILITY AND ACCESS ROAD. STORMWATER WILL RUNOFF INTO 15 EXISTING DEPRESSIONS LOCATED MOSTLY ONSITE. THE PROJECT SITE IS LOCATED IN THE NORTHWESTERN QUADRANT OF THE COUNTY ROAD 235A AND PEGGY ROAD INTERSECTION IN ALACHUA, FLORIDA

B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES - CONTRACTOR MUST FILL IN DAYS

DAYS

FROM_____TO_____ PRIOR TO CONSTRUCTION, SILT FENCING AND TREE PROTECTION FENCING SHALL BE INSTALLED AND ALL EXISTING STORM DRAINAGE SWALE AND INLETS SHALL BE PROTECTED IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, DATED JULY 2013, AND THESE PLANS.

FROM_____TO_____ THE CONSTRUCTION SERVICE ENTRANCE SHALL BE STABILIZED TO MINIMIZE THE CREATION OF DUST AND OFF-SITE TRACKING OF SEDIMENTS.

FROM_____TO_____ ONLY THE AREA COMPRISING THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CLEARED AND GRUBBED OF UNWANTED VEGETATION.

FROM_____TO_____ THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CONSTRUCTED.

FROM_____TO_____ IF SUITABLE, THE EXCAVATED SOIL FROM THE FACILITY(S) MAY BE USED AS FILL FOR ON-SITE GRADING THAT IS DEPICTED IN THESE CONSTRUCTION PLANS. THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL ON-SITE OR OFF-SITE TO A PERMITTED LOCATION.

FROM_____TO_____ THE REMAINING PORTION OF THE SITE THAT IS TREATED BY THE CONSTRUCTED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CLEARED AND GRUBBED.

FROM_____TO_____ THE PERMANENT ROADWAYS/DRIVEWAYS SHALL BE ROUGHLY GRADED.

FROM_____TO_____ THE UNDERGROUND UTILITIES INFRASTRUCTURE AND STORMWATER PIPING SYSTEM SHALL BE INSTALLED. ANY DE-WATERING (PUMPED) SHALL BE DIVERTED TO THE ASSOCIATED STORMWATER MANAGEMENT FACILITY(S).

FROM_____TO_____ THE PERMANENT ROADWAY/DRIVEWAY SUBGRADE SHALL BE COMPACTED, A LIMEROCK BASE SHALL BE ESTABLISHED, AND THEN FOLLOWED BY AN OVERLAY OF ASPHALT.

FROM_____TO_____ UPON SIGNIFICANT COMPLETION OF CONSTRUCTION, THE STORMWATER PIPING SYSTEM SHALL BE FLUSHED OUT TO REMOVE ACCUMULATED DEBRIS AND SEDIMENT.

FROM_____TO_____ UPON COMPLETION OF THE DEBRIS AND SEDIMENT REMOVAL FROM THE STORMWATER PIPING SYSTEM, THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE FINE GRADED AND SHALL BE EXCAVATED A MINIMUM OF SIX INCHES BELOW THE DESIGN BOTTOM ELEVATION AND REPLACED WITH FILL HAVING A MINIMUM PERMEABILITY RATE OF 20 FEET/DAY WITH A MAXIMUM OF 5% SOIL FINES PASSING THE NO. 200 SIEVE. THE BOTTOM SHALL BE SCARIFIED AND STABILIZED ACCORDING TO THESE PLANS. ONCE COMPLETED, NO HEAVY MACHINERY SHALL BE ALLOWED WITHIN THE STORMWATER MANAGEMENT FACILITY(S).

FROM_____TO_____ ALL REMAINING DISTURBED AREAS WITHIN THE CONSTRUCTION AREA SHALL BE COMPLETELY GRASSED AND/OR LANDSCAPED ACCORDING TO THESE PLANS. TURF ESTABLISHMENT SHALL BE PER FDOT STANDARD SPECIFICATIONS SECTION 570. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO REMOVAL OF SILT FENCING AND OTHER EROSION CONTROL APPLICATIONS.

C. SITE DEVELOPMENT DATA:

TOTAL PROJECT SITE AREA:	*321.49 ACRES*
TOTAL SITE AREA TO BE DISTURBED:	*321.49 ACRES*
TOTAL ONSITE IMPERVIOUS AREA (AS SHOWN IN CONSTRUCTION DRAWINGS):	*5.02 ACRES*
TOTAL DETENTION VOLUME:	*222,838 ACRE-FEET*
TOTAL OPEN AREA:	*315.78 ACRES*

D. SOIL CONDITIONS AND STORMWATER QUALITY

THE NRCS DATA FOR THE SITE REVEALS THAT THE SITE SOILS ARE COMPRISED OF ARREDONDO FINE SAND, MILLHOPPER SAND, FORT MEADE FINE SAND, KENDRICK SAND, BONNEAU FINE SAND, LAKE FINE SAND, BLITCHON SAND, BIVANS SAND, GAINESVILLE SAND AND NORFOLK LOAMY FINE SAND. GSE ENGINEERING & CONSULTING, INC. CONDUCTED A PEER REVIEW OF THE GEOTECHNICAL EXPLORATION OF THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) LOCATION IN JULY OF 2023. THE INVESTIGATION REVEALED THAT THE PROJECT SITE'S SURFACE SOILS HAVE THE FOLLOWING CHARACTERISTICS:

BASE EL. EFFECTIVE OR MOBILIZED AQUIFER:	*0 FEET*
SEASONAL HIGH WATER TABLE:	*45 FEET*
HORIZONTAL HYDRAULIC CONDUCTIVITY:	*1 FEET/DAY (WITH FACTOR OF SAFETY OF 2)*
UNSATURATED VERTICAL INFILTRATION:	*1 FEET/DAY (WITH FACTOR OF SAFETY OF 2)*

DESIGN PERCOLATION RATES FOR THE STORMWATER MANAGEMENT FACILITY(S) WERE DETERMINED BASED ON A PEER REVIEW OF LABORATORY PERMEABILITY TEST RESULTS FROM BORING SAMELES TAKEN WITHIN THE LIMITS OF THE STORMWATER MANAGEMENT FACILITY(S) AND GEOGRAPHICALLY SIGNIFICANT HISTORAL DATA.

THE STORMWATER MANAGEMENT FACILITY(S) WAS DESIGNED TO PROVIDE RATE AND VOLUME CONTROL AND WATER QUALITY TREATMENT OF THE STORMWATER RUNOFF RESULTING FROM THE POST-DEVELOPMENT SITE UNDER 100-YEAR CRITICAL STORM EVENT RAINFALL CONDITIONS. THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) DEPICTS THE POST-DEVELOPMENT WATERSHED(S) LIMITS AND THE TABLE BELOW SUMMARIZES EACH WATERSHED.

WATERSHED ID	*POST DEVELOPMENT AREA (ACRES)*	*POST DEVELOPMENT IMPERVIOUS AREA (ACRES)*	*STORMWATER MANAGEMENT FACILITY TYPE*	*FACILITY DETENTION CAPACITY (ACRE-FEET)*	*100-YEAR 24-HOUR FLOOD ELEVATION (FT)*
1	*11.36*	*0.34*	*DRY RETENTION*	*0.807*	*85.27*
2	*29.96*	*1.86*	*DRY RETENTION*	*11.167*	*68.44*
3	*110.76*	*17.94*	*DRY RETENTION*	*86.783*	*83.22*
4	*34.95*	*3.11*	*DRY RETENTION*	*9.827*	*85.37*
5	*148.33*	*19.52*	*DRY RETENTION*	*24.038*	*88.01*
6	*33.79*	*6.56*	*DRY RETENTION*	*18.795*	*85.12*
7	*82.31*	*10.85*	*DRY RETENTION*	*15.462*	*78.47*
8	*10.03*	*0.61*	*DRY RETENTION*	*1.023*	*86.05*
9	*33.62*	*3.04*	*DRY RETENTION*	*7.675*	*77.64*
10	*53.22*	*8.99*	*DRY RETENTION*	*34.691*	*75.89*
11	*4.23*	*0.19*	*DRY RETENTION*	*0.959*	*82.76*
12	*12.05*	*1.99*	*DRY RETENTION*	*3.811*	*82.95*
13	*13.38*	*0.12*	*DRY RETENTION*	*0.471*	*88.95*
14	*3.44*	*0.36*	*DRY RETENTION*	*3.062*	*77.90*
15	*13.74*	*1.38*	*DRY RETENTION*	*2.194*	*83.84*

E. SITE MAP

PLEASE SEE THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) FOR DETAILS.

F. STORMWATER OUTFALL LOCATION AND RECEIVING WATER BODY

THE PROJECT SITE DRAINS TO 15 EXISTING DEPRESSIONS WHICH ARE MOSTLY CONTAINED ONSITE. NO CHANGES TO THE PRE-DEVELOPMENT DRAINAGE PATTERNS ARE PROPOSED AND THE DEPRESSIONS ARE FULL RETENTION.

III. CONTROLS TO REDUCE POLLUTION

AS OUTLINED IN THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) PERMIT, ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN A MANNER AS TO NOT VIOLATE STATE WATER QUALITY STANDARDS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE. IF SITE CONDITIONS ARE SUCH THAT ADDITIONAL CONTROL MEASURES ARE REQUIRED OTHER THAN WHAT IS SPECIFIED IN THE EROSION AND SEDIMENTATION CONTROL PLAN, THEN THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL BEST MANAGEMENT PRACTICES. THESE MEASURES MUST BE INSPECTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PHASE AND UNTIL AS DIRECTED BY THESE PLANS. THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) AND SECTION IV BELOW PROVIDE DETAILS ON THE SPECIFIC CONTROL MEASURES TO REDUCE STORMWATER POLLUTION.

IV. EROSION AND SEDIMENT CONTROLS

A. STABILIZATION PRACTICES

EXISTING TREES AND NATURAL VEGETATION TO REMAIN ON-SITE SHALL BE PROTECTED BY TREE BARRICADE FENCING AS DEPICTED ON THE STORMWATER POLLUTION PREVENTION PLAN (C0.21). TYPE III SILT FENCING SHALL PROTECT ALL DRAINAGE STRUCTURES AND SHALL BUFFER AREAS WITH POTENTIAL TO CONTRIBUTE OFF-SITE RUNOFF AND AS SPECIFICALLY DEPICTED ON THE STORMWATER POLLUTION PREVENTION PLAN (C0.21). STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED. AS SPECIFIED IN SECTION II.B. ABOVE, UPON COMPLETION OF CONSTRUCTION, ALL STORMWATER MANAGEMENT FACILITIES SHALL BE SCRAPED CLEAN OF ACCUMULATED SEDIMENT AFTER THE COMPLETION OF CONSTRUCTION. ALL TURF ESTABLISHMENT SHALL BE PERFORMED MEETING THE REQUIREMENTS OF SECTION 570 OF THE STANDARD SPECIFICATIONS. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO FINAL RELEASE.

B. STRUCTURE PRACTICES

AS DEPICTED IN THE STORMWATER POLLUTION PREVENTION PLAN (C0.21), A STORMWATER MANAGEMENT SYSTEM WILL BE CONSTRUCTED AND WILL BE COMPRISED OF A DRY RETENTION FACILITY. TO PREVENT EROSION DURING CONSTRUCTION, TYPE III SILT FENCING WILL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS. ALL EXISTING AND PROPOSED STORM DRAINS AND DRAINAGE SWALES SHALL BE PROTECTED ACCORDING TO THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, DATED JULY 2013 OR PER DETAILS PROVIDED ON SHEET C0.21 UNTIL CONSTRUCTION IS COMPLETE.

C. DRAINAGE LOCATIONS THAT SERVE AREAS WITH LESS THAN 10 DISTURBED ACRES

NOT APPLICABLE, SEE SECTION D, BELOW.

D. DRAINAGE LOCATIONS THAT SERVE AREAS WITH MORE THAN 10 DISTURBED ACRES

AS SPECIFIED IN THE "SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES," THE SMF(S) WILL BE CONSTRUCTED PRIOR TO CLEARING AND GRUBBING OUTSIDE OF THE SMF(S) AREAS AND CONSTRUCTION OF THE PERMANENT PAVED AREAS. THE TOTAL CONTRIBUTING DRAINAGE AREA TO THE STORMWATER MANAGEMENT SYSTEM IS APPROXIMATELY 600 ACRES AND WILL CONSIST OF APPROXIMATELY 325 ACRES OF DISTURBED CONSTRUCTION AREA. THEREFORE, NO ADDITIONAL SEDIMENT TRAP BASINS ARE NECESSARY TO PROVIDE SEDIMENT STORAGE ON-SITE DURING CONSTRUCTION. AS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN (C0.21), THE PROPOSED STORMWATER MANAGEMENT SYSTEM WILL PREVENT OFF-SITE EROSION DURING CONSTRUCTION. SILT FENCES OR EQUIVALENT SEDIMENT CONTROLS SHALL BE INSTALLED AT SIDE SLOPE AND DOWN SLOPE BOUNDARIES, INLET LOCATION, OUTLET LOCATIONS, AND OTHER LOCATIONS AS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN, AS REQUIRED. BY COMPLETION OF CONSTRUCTION, THE SIDE SLOPES, SWALES, AND ALL DISTURBED AREAS SHALL BE STABILIZED WITH GRASS AND LANDSCAPING AS SPECIFIED ON THE CONSTRUCTION DRAWINGS.

V. STORMWATER MANAGEMENT

A. BEST MANAGEMENT PRACTICES

AFTER CONSTRUCTION, THE STORMWATER MANAGEMENT SYSTEM SHALL BE MAINTAINED IN ACCORDANCE WITH THE SPECIFIED STORMWATER MAINTENANCE NOTES IN THE INCLUDED CONSTRUCTION DRAWINGS AND/OR RESPECTIVE MAINTENANCE REPORTS. SPECIFICALLY, THE PROPOSED SMF(S) SHALL BE MOWED REGULARLY IN THE SPECIFIED AREAS, STORM PIPES AND STRUCTURES WILL BE INSPECTED SEMI-ANNUALLY AND CLEANED ANNUALLY, SMF(S) SIDE SLOPES SHALL BE MAINTAINED TO PREVENT EROSION, AND LANDSCAPING AND GRASS THAT PREVENTS EROSION SHALL BE MAINTAINED. ADDITIONALLY, REMEDIAL ACTIONS SHALL BE TAKEN SHOULD THE SMF(S) NOT PERFORM AS DESIGNED.

B. VEGETATED SWALES

WHEN VEGETATED SWALES ARE UTILIZED, SILT FENCING OR EQUIVALENT SEDIMENT CONTROLS SHALL BE INSTALLED AT ADEQUATE INTERVALS TO COLLECT SEDIMENT ALONG THE SWALE. THE SEDIMENT SHALL BE REMOVED WHEN SEDIMENT REACHES ONE-THIRD OF THE HEIGHT OF THE SILT FENCING. SEE THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) FOR DETAILS AND LOCATIONS, AS REQUIRED.

C. VELOCITY DISSIPATION DEVICES AT DISCHARGE POINTS

WHEN DISCHARGE POINTS ARE NOT LOCATED UNDER WATER, RIP RAP PADS HAVE BEEN PROVIDED AT LOCATIONS WHERE NECESSARY DUE TO ANTICIPATED DISCHARGE VELOCITIES. PLEASE SEE THE CONSTRUCTION PLANS FOR DETAILS AND LOCATIONS, AS NEEDED.

VI. CONTROLS FOR OTHER POTENTIAL POLLUTANTS

A. WASTE DISPOSAL

THE CONTRACTOR SHALL PROVIDE LITTER COLLECTION CONTAINERS WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION. CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIALS AND CONSTRUCTION DEBRIS IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.

B. DUST CONTROL

TO PREVENT OFF-SITE VEHICULAR TRACKING OF SEDIMENTS AND DUST GENERATION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE ESTABLISHED BY THE SITE CONTRACTOR. PLEASE SEE THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) FOR DETAILS AND LOCATION(S).

C. EXISTING VERSUS PROPOSED POTABLE AND SANITARY SEWER SYSTEMS

THERE ARE NO EXISTING NOR PROPOSED SANITARY SEWER AND POTABLE WATER SYSTEMS LOCATED ON THE PROJECT SITE. IF TEMPORARY SANITARY SYSTEMS ARE UTILIZED DURING CONSTRUCTION, THE CONTRACTOR SHALL PROPERLY CONTROL AND DISCHARGE ANY SANITARY WASTE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

D. FERTILIZER & PESTICIDES

THE USE OF FERTILIZERS, HERBICIDES, AND PESTICIDES ON THE PROJECT SITE, WILL BE DIRECTED BY THE LANDSCAPE PLAN AND THE FDOT STANDARD SPECIFICATIONS SECTION 570, TO SUPPORT THE GROWTH OF THE PROPOSED VEGETATION. ESTABLISHING THIS VEGETATION WILL AID IN THE STABILIZATION OF THE PROJECT SITE AND REDUCE EROSION. APPLICATION RATES FOR THE FERTILIZERS, HERBICIDES, AND PESTICIDES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS TO GUARD AGAINST OVER-USE, WHICH CAN LEAD TO VIOLATIONS OF STATE WATER QUALITY STANDARDS.

E. TOXIC MATERIAL

THE CONSTRUCTION SITE WILL BE IN FULL COMPLIANCE WITH STATE AND FEDERAL REQUIREMENTS. A PLASTIC MAT, TAR PAPER, OR OTHER IMPERVIOUS MATERIAL SHALL BE PLACED UNDER AREAS WHERE TOXIC LIQUIDS ARE TO BE OPENED AND STORED.

F. HAZARDOUS MATERIALS

ALL HAZARDOUS MATERIALS SHALL BE STORED IN A SECURE LOCATION, UNDER COVER, AND IN APPROPRIATE TIGHTLY, SEALED CONTAINERS WHEN NOT IN USE. ALL PRODUCTS SHALL BE STORED IN AND USED FROM THE ORIGINAL CONTAINER WITH THE ORIGINAL PRODUCT LABEL. CONTAINERS MUST BE STORED IN A MANNER TO PROTECT THEM FROM THE ELEMENTS AND INCIDENTAL DAMAGE. THE MINIMUM PRACTICAL QUANTITY OF ALL SUCH MATERIALS SHALL BE KEPT ON THE JOB SITE AND SCHEDULED FOR DELIVERY AS CLOSE TO TIME OF USE AS PRACTICAL.

ALL PRODUCTS SHALL BE USED IN STRICT COMPLIANCE WITH THE INSTRUCTIONS ON THE PRODUCT LABEL.

SUFFICIENT EQUIPMENT AND/OR MATERIALS SHALL BE KEPT ONSITE TO CONTAIN AND CLEAN UP SPILLS OF HAZARDOUS MATERIALS IN THE AREAS WHERE THESE MATERIALS ARE STORED OR USED. SPILL CONTROL AND CONTAINMENT KIT SUPPLIES SHALL BE OF SUFFICIENT QUANTITIES AND APPROPRIATE CONTENT TO CONTAIN A SPILL FROM THE LARGEST ANTICIPATED PIECE OF EQUIPMENT AND FROM THE LARGEST ANTICIPATED QUANTITIES OF PRODUCTS STORED ON THE SITE AT ANY GIVEN TIME.

CONTRACTOR TO CONTAIN AND CLEAN UP ANY SPILLS IMMEDIATELY AFTER THEY OCCUR. ANY SPILLS OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF REPORTABLE QUANTITIES AS DEFINED BY EPA, STATE, OR LOCAL AGENCY REGULATIONS SHALL BE REPORTED TO THE APPROPRIATE AGENCIES IN THE REQUIRED TIME FRAMES. THE CONTRACTOR SHALL PROVIDE A WRITTEN NOTICE TO THE OWNER IMMEDIATELY UPON IDENTIFICATION OF ANY SPILL.

ALL EXCESS, USED, OR SPILLED PRODUCTS, INCLUDING CONTAMINATED SOIL, SHALL BE DISPOSED OF BY THE CONTRACTOR IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT LABEL AND ALL APPLICABLE REGULATIONS.

VII. APPROVED STATE AND LOCAL PLANS

THE CONSTRUCTION DRAWINGS FOR THE PROJECT WERE APPROVED AND PERMITTED BY THE FOLLOWING AGENCIES:

- *CITY OF ALACHUA*
- *FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION*

VIII. CONSTRUCTION ACTIVITY DISCHARGES

IN ACCORDANCE WITH THIS PLAN, THERE ARE NO ANTICIPATED DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

IX. CHANGES TO THE POLLUTION PREVENTION PLAN

THIS STORMWATER POLLUTION PREVENTION PLAN SHALL BE AMENDED TO REFLECT ANY APPLICABLE CHANGE IN A STATE, REGIONAL, OR LOCAL PERMIT FOR WHICH THE PERMITTEE RECEIVES WRITTEN NOTICE. WHEN WRITTEN NOTICE IS RECEIVED, THE PERMITTEE SHALL PROVIDE A RE-CERTIFICATION OF THIS POLLUTION PREVENTION PLAN, WHICH HAS BEEN REVISED TO ADDRESS SUCH CHANGES. AMENDMENTS TO THE PLAN SHALL BE PREPARED, SIGNED, DATE, AND KEPT AS ATTACHMENTS TO THE ORIGINAL PLAN.

X. ALTERNATIVE PERMIT REQUIREMENTS

NO ALTERNATIVE PERMIT REQUIREMENTS ARE REQUESTED.

XI. MAINTENANCE

THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE, INSPECTION SCHEDULE, AND REPAIRS OUTLINED IN THIS PLAN. MAINTENANCE SHALL CONTINUE THROUGHOUT THE PROJECT UNTIL WORK IS COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER CONSTRUCTION IS COMPLETE. IN ADDITION TO THE TIMES MENTIONED IN THE PREVIOUS SECTIONS, THE CONTRACTOR SHALL INITIATE ANY REPAIRS WITHIN 24 HOURS OF BEING REPORTED. IN THE EVENT THAT THE SMF(S) DO NOT PERFORM PROPERLY OR IF A SINKHOLE DEVELOPS, THE PROJECT ENGINEER SHALL BE NOTIFIED TO ASSIST IN COORDINATING REMEDIAL ACTION. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM SILT FENCING WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE SILT FENCE. UPON FINAL COMPLETION OF CONSTRUCTION AND ACCEPTANCE BY BOTH THE CITY AND OWNER, THE OPERATION AND MAINTENANCE ENTITY WILL BE PLEASANT SOLAR, LLC

XII. INSPECTIONS

THE CONTRACTOR SHALL INSPECT ALL POINTS OF POTENTIAL DISCHARGE FROM THE PROJECT SITE FOR ALL DISTURBED AREAS ON THE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. FOR POINTS OF DISCHARGE INTO SURFACE WATERS OF THE STATE OR AN MS4, A QUALIFIED INSPECTOR (PROVIDED BY THE OPERATOR) SHALL PERFORM THE REQUIRED INSPECTIONS. THE CONTRACTOR SHALL INSTALL A RAIN GAUGE AT THE SITE TO MONITOR AND DOCUMENT RAINFALL EVENTS 0.50 INCHES OR GREATER. LOCATIONS WHERE THE SITE IS COMPLETELY CONSTRUCTED AND STABILIZED, SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE A MONTH. ALL INSPECTIONS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION FORM. THE CONTRACTOR MAY USE THEIR OWN FORM (MEETING FDEP SWPPP REQUIREMENTS) OR A SAMPLE FORM FROM FDEP. A SAMPLE CONSTRUCTION FORM IS AVAILABLE AT: "HTTPS://FLORIDADEP.GOV/WATER/STORMWATER/DOCUMENTS/CONSTRUCTION-SWPPP". MORE SPECIFICALLY, THE INSPECTION SHALL ENSURE THE FOLLOWING CATEGORIES.

A. DISTURBED AREAS

ALL DISTURBED AREAS AND AREAS USED FOR MATERIAL STORAGE SHALL BE INSPECTED FOR POLLUTANTS ENTERING THE STORMWATER SYSTEM. THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE INSPECTED TO ENSURE THEY ARE OPERATING CORRECTLY. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

B. MAINTENANCE PERFORMANCE

BASED ON THE RESULTS OF THE INSPECTION, ALL MAINTENANCE OPERATIONS NEEDED TO ASSURE PROPER COMPLIANCE WITH THIS PLAN SHALL BE DONE IN A TIMELY MANNER, BUT IN NO CASE LATER THAN 7 DAYS FOLLOWING THE INSPECTION.

C. REPORTING REQUIREMENTS

ALL INSPECTIONS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION FORM. THIS FORM IS CREATED TO SUMMARIZE THE SCOPE OF THE INSPECTION, THE NAME(S) AND QUALIFICATIONS OF THE INSPECTOR(S), THE DATE OF INSPECTION, RAINFALL DATA, OBSERVATIONS, THE ACTIONS TAKEN TO CORRECT INCIDENTS OF NON-COMPLIANCE WITH THE PROVISIONS OF THIS PLAN. IF NO INCIDENTS OF NON-COMPLIANTS ARE OBSERVED, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND THE ASSOCIATED PERMIT.

XIII. NON-STORMWATER DISCHARGES

IN ADDITION TO STORMWATER RUNOFF, THIS PLAN APPLIES TO RUNOFF FROM IRRIGATION OPERATIONS AND CONSTRUCTION PRACTICES. THIS PLAN DOES NOT PERTAIN TO DISCHARGES FROM FIRE FIGHTING ACTIVITIES.

XIV. CONTRACTORS CERTIFICATION

THE CONTRACTORS OR SUB-CONTRACTORS SHALL PHOTOCOPY AND COMPLETE THE FORM ON THIS PAGE. IT SHALL BE PROVIDED TO THE OWNER AND KEPT ON FILE PURSUANT TO SECTION XV REGARDING PROJECT RECORDS.

XV. RETENTION OF RECORDS

THE PERMITTEE SHALL RETAIN COPIES OF STORMWATER POLLUTION PREVENTION PLANS AND ALL REPORTS REQUIRED BY THIS PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT, FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED.

THE PERMITTEE SHALL RETAIN A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN AND ALL REPORTS, RECORDS, AND DOCUMENTATION REQUIRED BY THIS PERMIT AT THE CONSTRUCTION SITE, OR AN APPROPRIATE ALTERNATIVE LOCATION AS SPECIFIED IN THE NOTICE OF INTENT, FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

XVI. NOTICE OF TERMINATION

NOTICE OF TERMINATION:

1. *WHERE A SITE HAS BEEN FINALLY STABILIZED AND ALL STORMWATER DISCHARGES AUTHORIZED BY THIS PERMIT ARE ELIMINATED, THE PERMITTEE SHALL SUBMIT A NOTICE OF TERMINATION (DEP FORM 62-621.300(6)), SIGNED IN ACCORDANCE WITH PART VII.C OF DEP DOCUMENT NO. 62-621.300(4)(a), WITHIN 14 DAYS OF FINAL STABILIZATION OF THE SITE TO TERMINATE COVERAGE UNDER THIS PERMIT.*
2. *ELIMINATION OF STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY MEANS THAT ALL DISTURBED SOILS AT THE SITE HAVE BEEN FINALLY STABILIZED AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR WILL BE REMOVED AT AN APPROPRIATE TIME, OR THAT ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE SITE THAT ARE AUTHORIZED BY THIS GENERIC PERMIT HAVE OTHERWISE BEEN ELIMINATED.*
3. *FOR CONSTRUCTION ACTIVITIES WHERE THE OPERATOR CHANGES, THE EXISTING OPERATOR SHALL FILE AN N.O.T. IN ACCORDANCE WITH THIS PART WITHIN 14 DAYS OF RELINQUISHING CONTROL OF THE PROJECT TO A NEW OPERATOR.*

THE PERMITTEE SHALL SUBMIT A NOTICE OF TERMINATION TO THE FOLLOWING ADDRESS:

NPDES STORMWATER NOTICES CENTER, MS# 2510
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

PROJECTS THAT DISCHARGED STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY TO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) SHALL SUBMIT A COPY OF THE N.O.T. TO THE OPERATOR OF THE MS4.

Contractor/Subcontractor Certification Statement
Stormwater Pollution Prevention Plan

Site Name: PLEASANT SOLAR
Site Location: TBD (Northwest Quadrant of the intersection of CR 235A and Peggy Road)
Alachua County, Florida

THE CONTRACTOR(S) OR SUB-CONTRACTOR(S) RESPONSIBLE FOR COMPLYING WITH THIS STORMWATER POLLUTION PREVENTION PLAN SHALL SIGN THE CERTIFICATION STATEMENT BELOW. MULTIPLE COPIES OF THIS CERTIFICATION STATEMENT MAY BE NECESSARY DEPENDING ON THE NUMBER OF SUB-CONTRACTORS ASSOCIATED WITH THE PROJECT

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

DATE	RESPONSIBLE INDIVIDUAL'S NAME	RESPONSIBLE INDIVIDUAL'S SIGNATURE	TITLE	COMPANY NAME, ADDRESS, AND PHONE NUMBER

LEGEND:

- CONSTRUCTION STAGING AREA/ CONSTRUCTION TRAILER LOCATION
- TEMPORARY CONSTRUCTION ENTRANCE
- ST — EXISTING STORM SEWER NETWORK
- SF — LIMITS OF PROPOSED SILT FENCE, SEE SHEET C2.30 FOR DETAIL
- TB — LIMITS OF PROPOSED TREE BARRICADE, SEE SHEET C2.30 FOR DETAIL

STORMWATER POLLUTION PREVENTION LEGEND

SD = SOD STABILIZATION	IP = INLET PROTECTION
SF = SILT BARRIER	CO = CONSTRUCTION ENTRANCE/EXIT
TB = TREE BARRICADE	PS = PERMANENT SEEDING
OP = OUTLET PROTECTION	

NOTE: SEE SHEET C2.30 FOR CONSTRUCTION DETAILS

BASIN EROSION AND SEDIMENTATION CONTROL

1. SILT FENCING AND/OR STAKED HAYBALES SHALL BE CONSTRUCTED WHERE SHOWN ON THE DRAWINGS PRIOR TO STARTING CONSTRUCTION.

2 ALL STORMDRAIN INLETS SHALL BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH FDOT STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL.

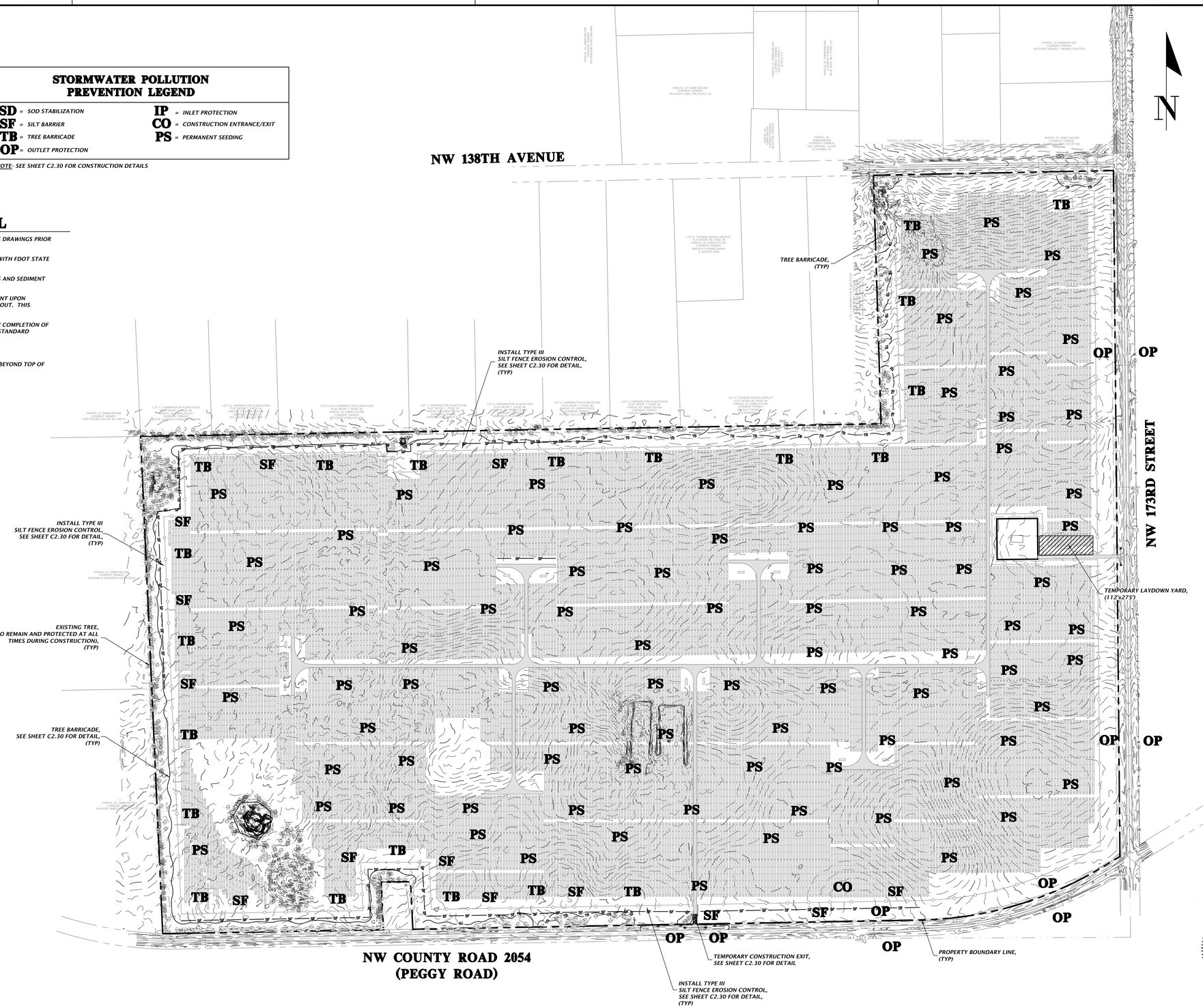
3. THE STORMDRAIN SYSTEM SHALL BE FLUSHED OUT TO REMOVE ALL ACCUMULATED DEBRIS AND SEDIMENT UPON COMPLETION OF CONSTRUCTION.

4. THE DRAINAGE BASIN BOTTOM SHALL BE SCRAPED CLEAN OF ALL ACCUMMULATED SEDIMENT UPON COMPLETION OF CONSTRUCTION AFTER THE STORMDRAIN SYSTEM IS COMPLETELY FLUSHED OUT. THIS ACTIVITY SHALL ONLY OCURR IN A DRY STATE.

5. ALL DISTURBED AREAS IN THE CONSTRUCTION AREA SHALL BE COMPLETELY STABILIZED BY COMPLETION OF CONSTRUCTION. GRASS SEEDING RATES AND MIXTURES SHALL BE PER SECTION 570 OF THE STANDARD SPECIFICATIONS. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO FINAL RELEASE.

6. REFER TO THE SWPPP PLAN FOR COMPLETE EROSION CONTROL MEASURES.

7. WHERE POND TOP OF BANK IS IN CUT TO EXISTING GRADE, CONTRACTOR SHALL SOD 5-FT BEYOND TOP OF BANK FOR EROSION PROTECTION.



SOLARIANT
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CHW Professional Consultants

SCALE: N/A

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING

0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: STORMWATER POLLUTION PREVENTION PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER May 21 2024

FL PE No. 84295

SHEET NO.: C0.21

Tech: nicolas Plot Date: Apr 29,2024 11:38am Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.21_SWPPNdwg.dwg



N

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SCALE: 1"=250'

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BAR IS ONE INCH ON
ORIGINAL DRAWING
IF NOT ONE INCH ON
THIS SHEET ADJUST
SCALES ACCORDINGLY.

0 1"

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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09/11/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: MASTER TREE CANOPY
PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. CLAPP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY * LICENSE * No. 84295 * STATE OF FLORIDA * PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.
C0.30

Tools: Adobe Plot Date: Apr 29,2024 12:04pm Filename: N:\2021\21-0275\Department\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

GRAPHIC SCALE

0 25 50 100

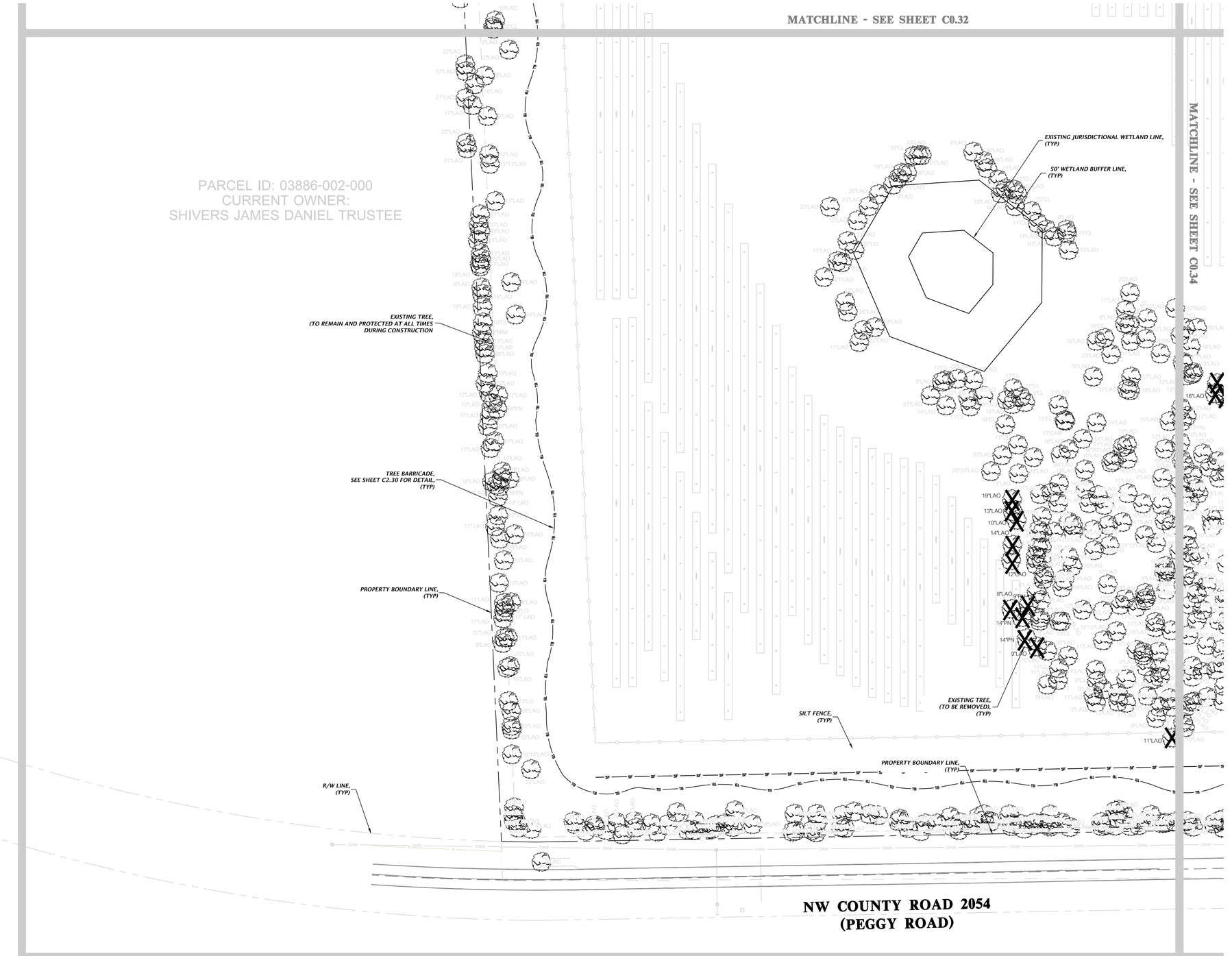
N

NOTE:

1. ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.

LEGEND

—— TB ——	TREE BARRICADE
—— SF ——	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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0 1"
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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

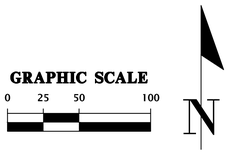
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C0.31

Tech: nicolas Plot Date: May 15,2024 10:46am Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg



NOTE:

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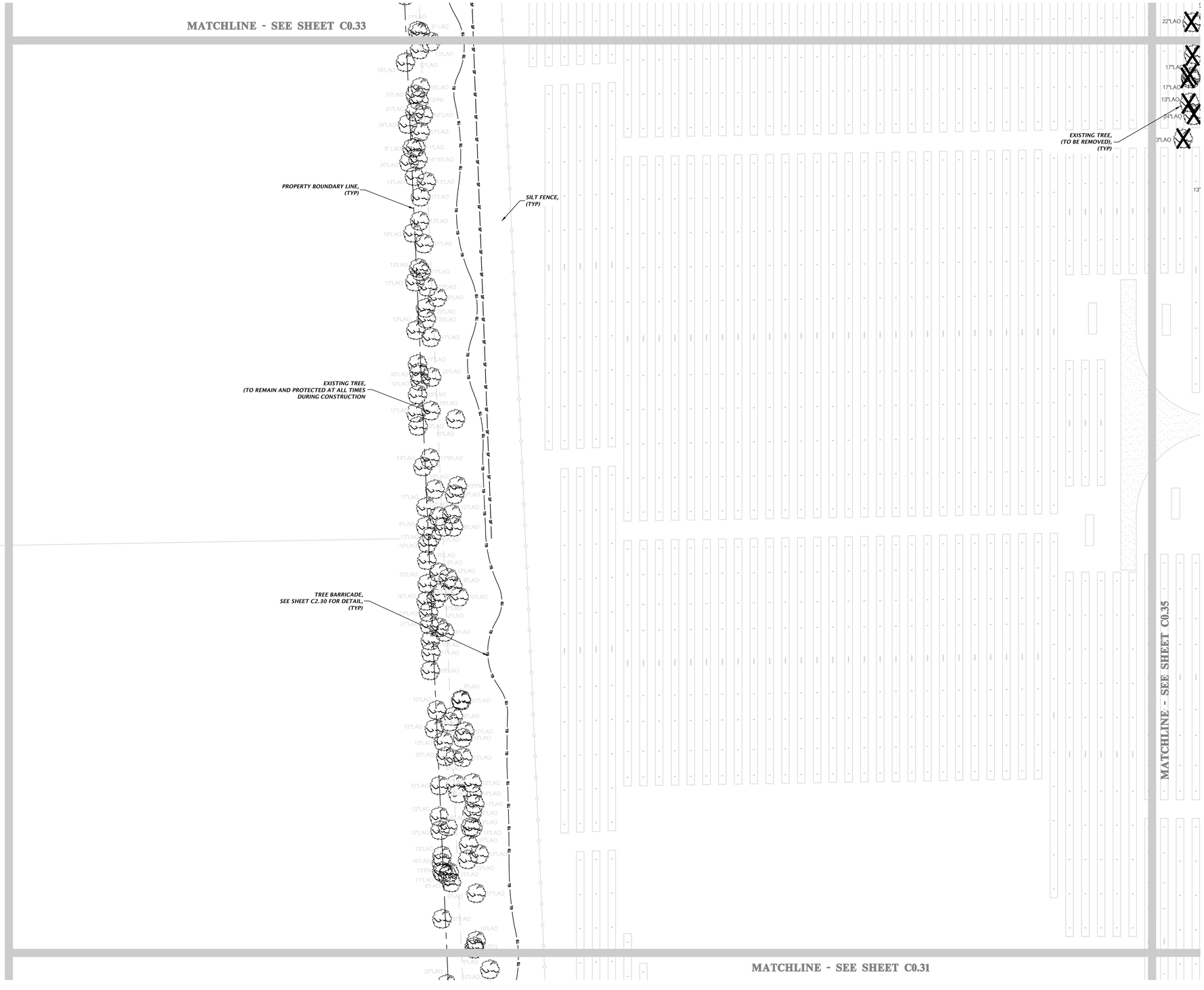
LEGEND

—— TB ——	TREE BARRICADE
—— SF ——	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C0.32

Tech: nicolac Plot Date: Apr 29,2024 2:02pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

GRAPHIC SCALE

0 25 50 100

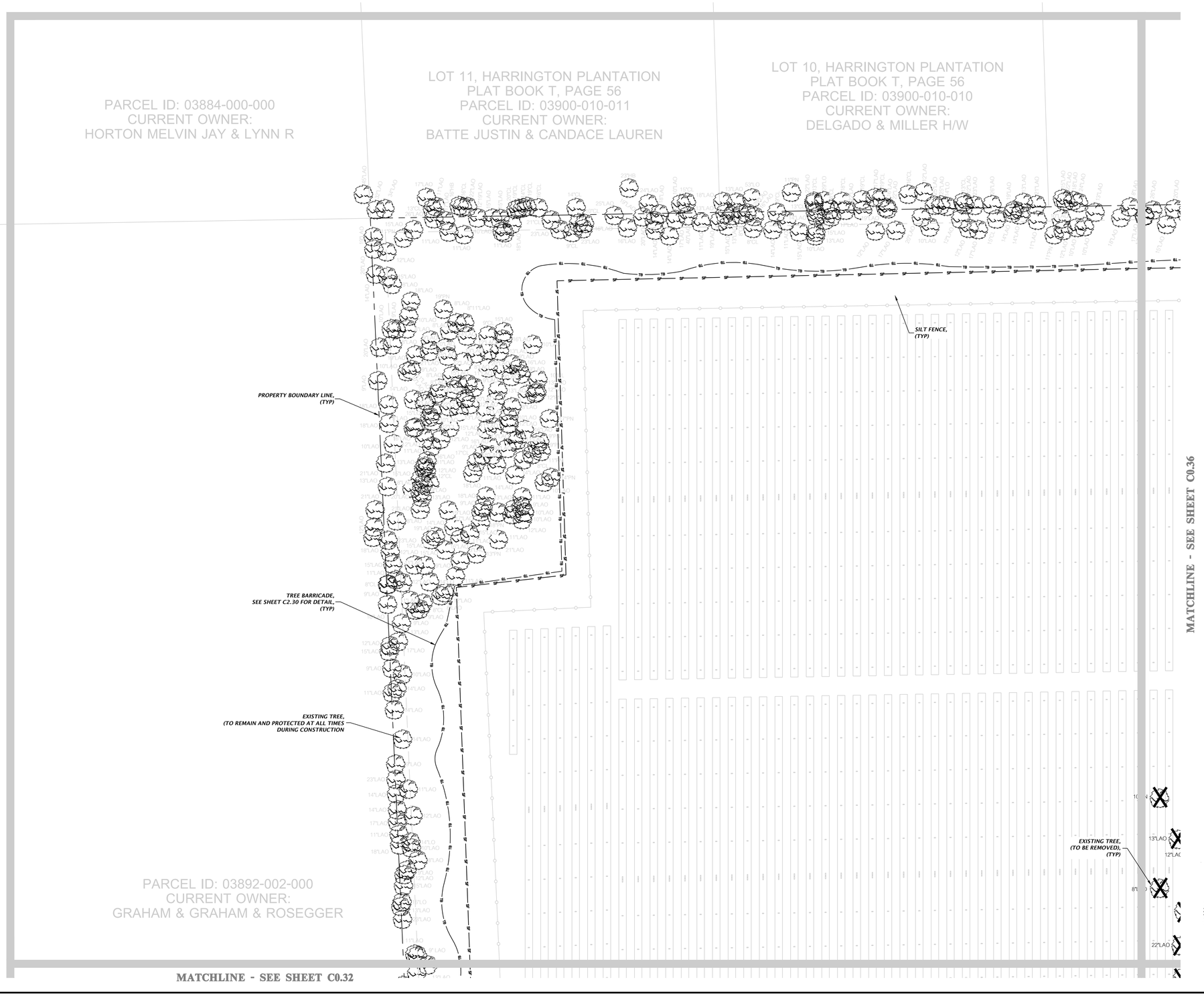
N

NOTE:

1. ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.

LEGEND

—— TB ——	TREE BARRICADE
—— SF ——	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
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12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C0.33

Tech: nicolac Plot Date: Apr 29,2024 12:13pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

GRAPHIC SCALE

0 25 50 100

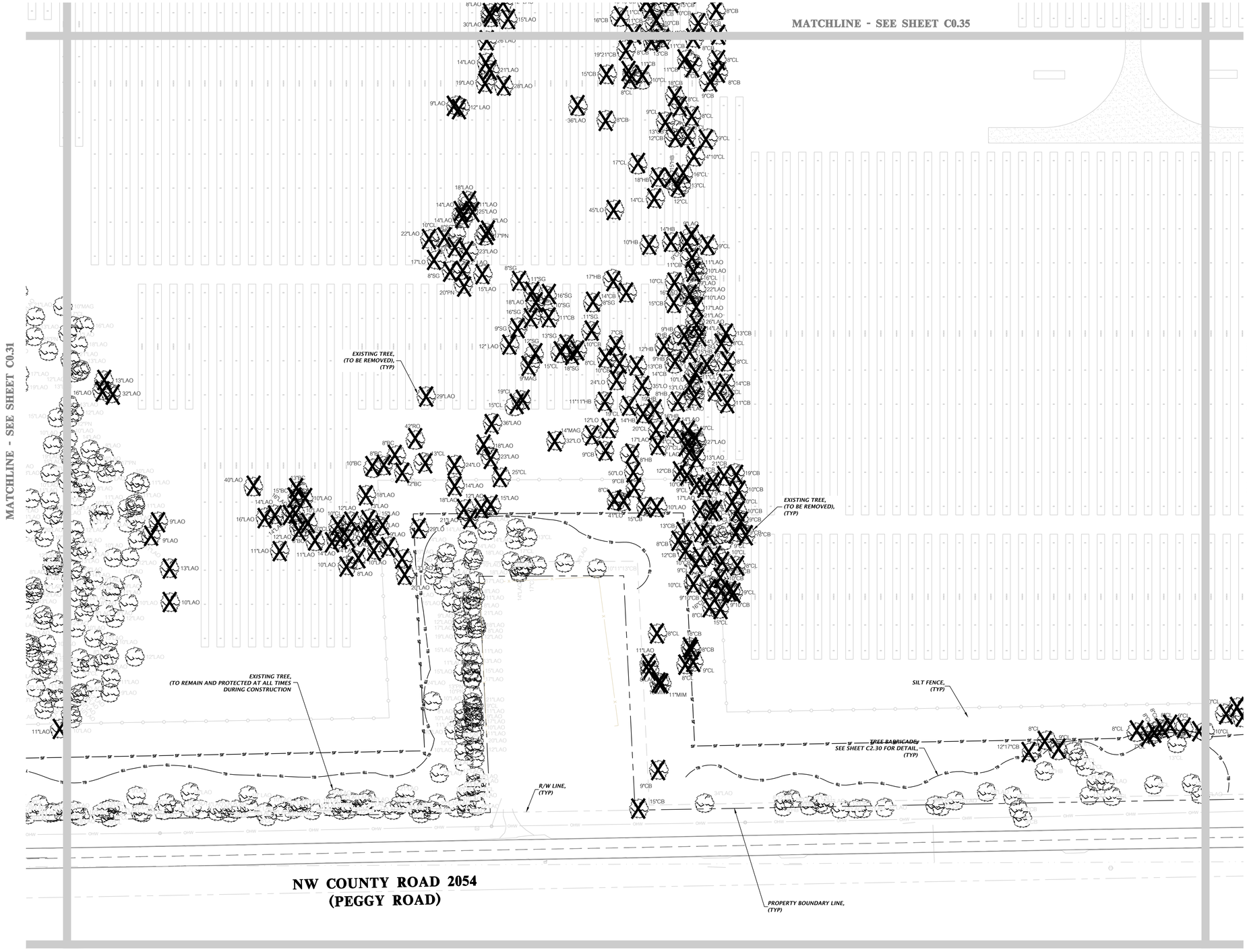
N

NOTE:

1. *ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.*

LEGEND

—— TB ——	*TREE BARRICADE*
—— SF ——	*SILT FENCE*
X	*EXISTING TREE (TO BE REMOVED)*



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CONSTRUCTION/BID REVISIONS:

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12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER May 21, 2024

FL PE No. 84295

SHEET NO.: C0.34

Tech: nicolac Plot Date: Apr 29,2024 12:19pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

GRAPHIC SCALE

0 25 50 100

N

NOTE:

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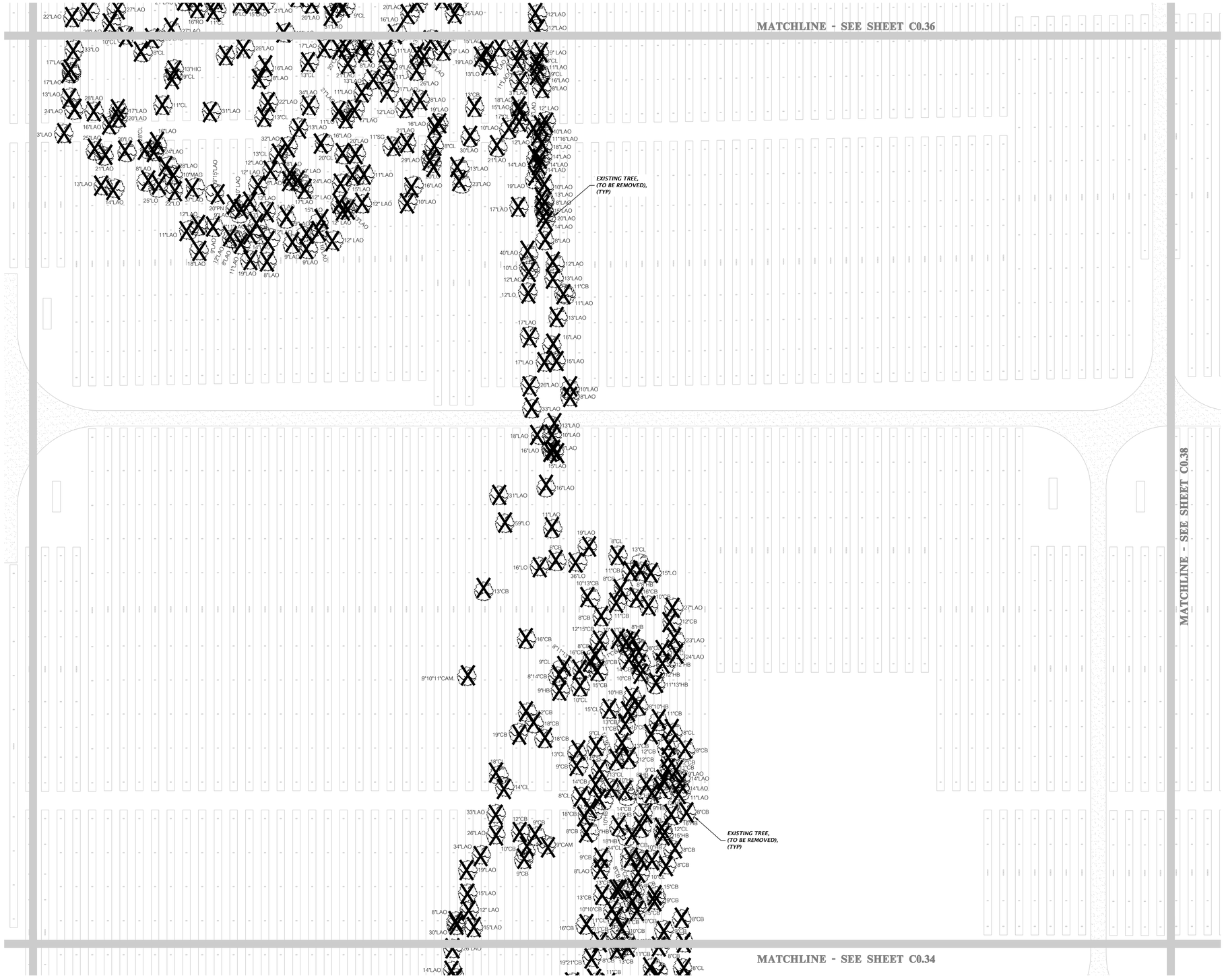
LEGEND

—TB—	TREE BARRICADE
—SF—	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C0.35

Tech: nicolac Plot Date: Apr 29,2024 12:17pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

A

B

C

D

GRAPHIC SCALE

0 25 50 100

N

NOTE:

1. *ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.*

LEGEND

TB — *TREE BARRICADE*

SF — *SILT FENCE*

X *EXISTING TREE (TO BE REMOVED)*

LOTS 8 & 9, HARRINGTON PLANTATION
PLAT BOOK T, PAGE 56
PARCEL ID: 03900-010-009
CURRENT OWNER:
DELGADO & MILLER H/W

LOT 7, HARRINGTON PLANTATION
PLAT BOOK T, PAGE 56
PARCEL ID: 03900-010-007
CURRENT OWNER:
HARRINGTON JAMES T III

LOT 6, HARRINGTON PLANTATION
PLAT BOOK T, PAGE 56
PARCEL ID: 03900-010-006
CURRENT OWNER:
HARRINGTON JAMES T III

EXISTING TREE, (TO REMAIN AND PROTECTED AT ALL TIMES DURING CONSTRUCTION

PROPERTY BOUNDARY LINE, (TYP)

TREE BARRICADE, SEE SHEET C2.30 FOR DETAIL, (TYP)

SILT FENCE, (TYP)

EXISTING TREE, (TO BE REMOVED), (TYP)

MATCHLINE - SEE SHEET C0.33

MATCHLINE - SEE SHEET C0.37

MATCHLINE - SEE SHEET C0.35

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0 1"

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CONSTRUCTION/BID REVISIONS:

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

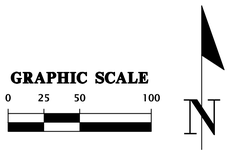
TECHNICIAN: J. THOMAS
DESIGNER: M. CHAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C0.36

Tech: rkloske Plot Date: Apr 29,2024 - 12:25pm Filename: H:\2021\21-0275\Department\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

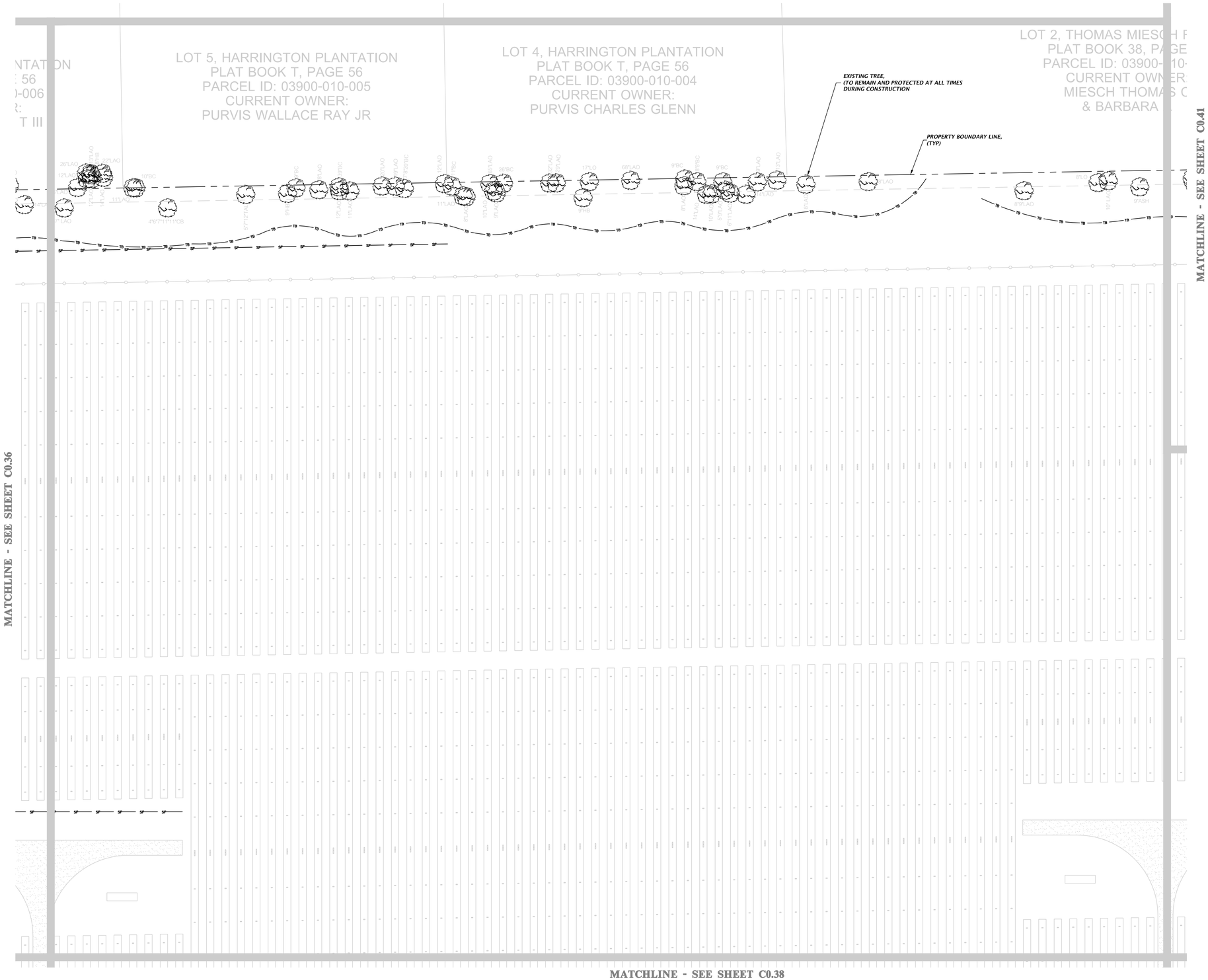


NOTE:

1. ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.

LEGEND

TB	TREE BARRICADE
SF	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY
LICENSE
No. 84295
May 21 2024
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C0.37

Tech: nicolac Plot Date: Apr 29,2024 12:24pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

GRAPHIC SCALE

0 25 50 100

N

NOTE:

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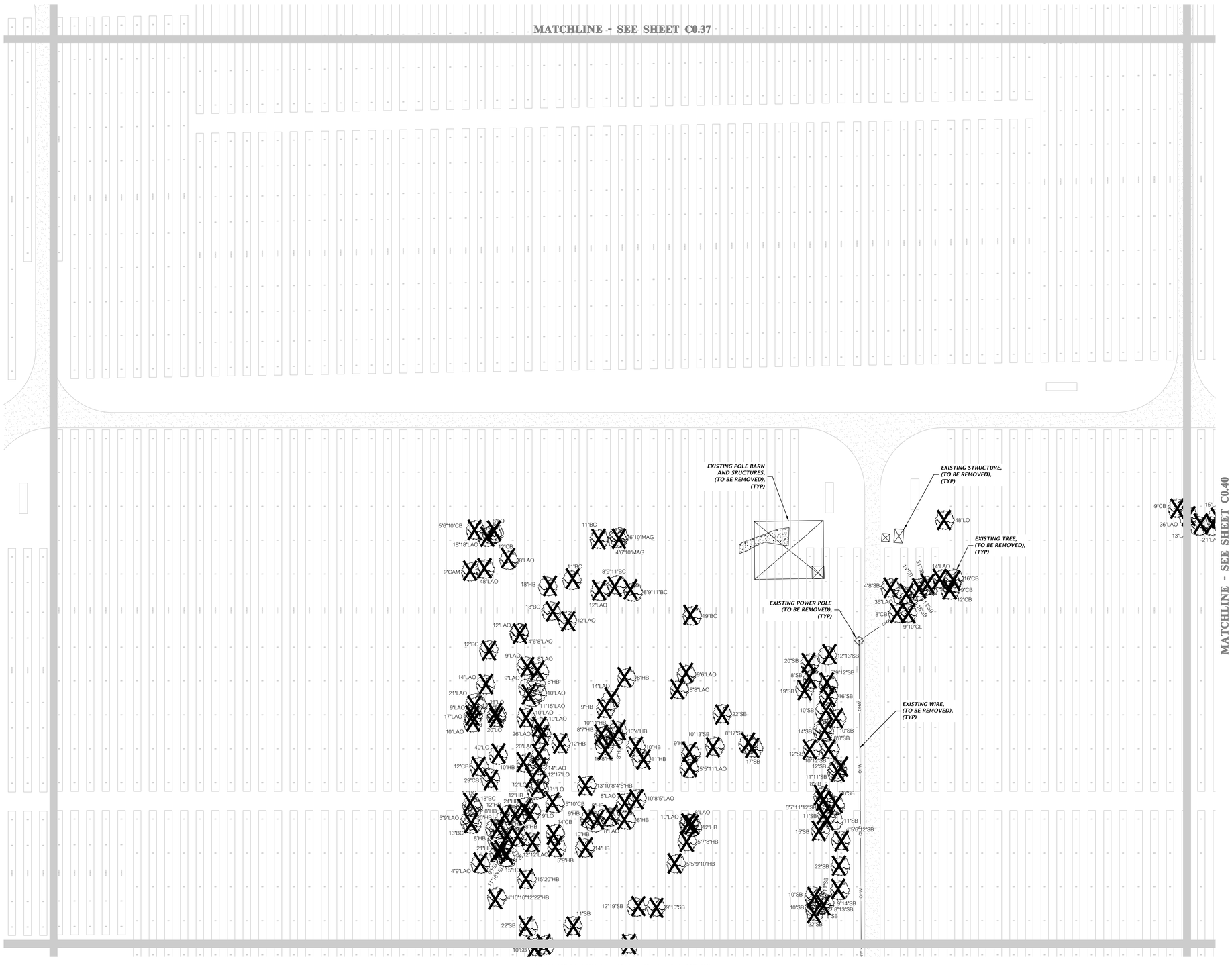
LEGEND

—— TB ——	TREE BARRICADE
—— SF ——	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

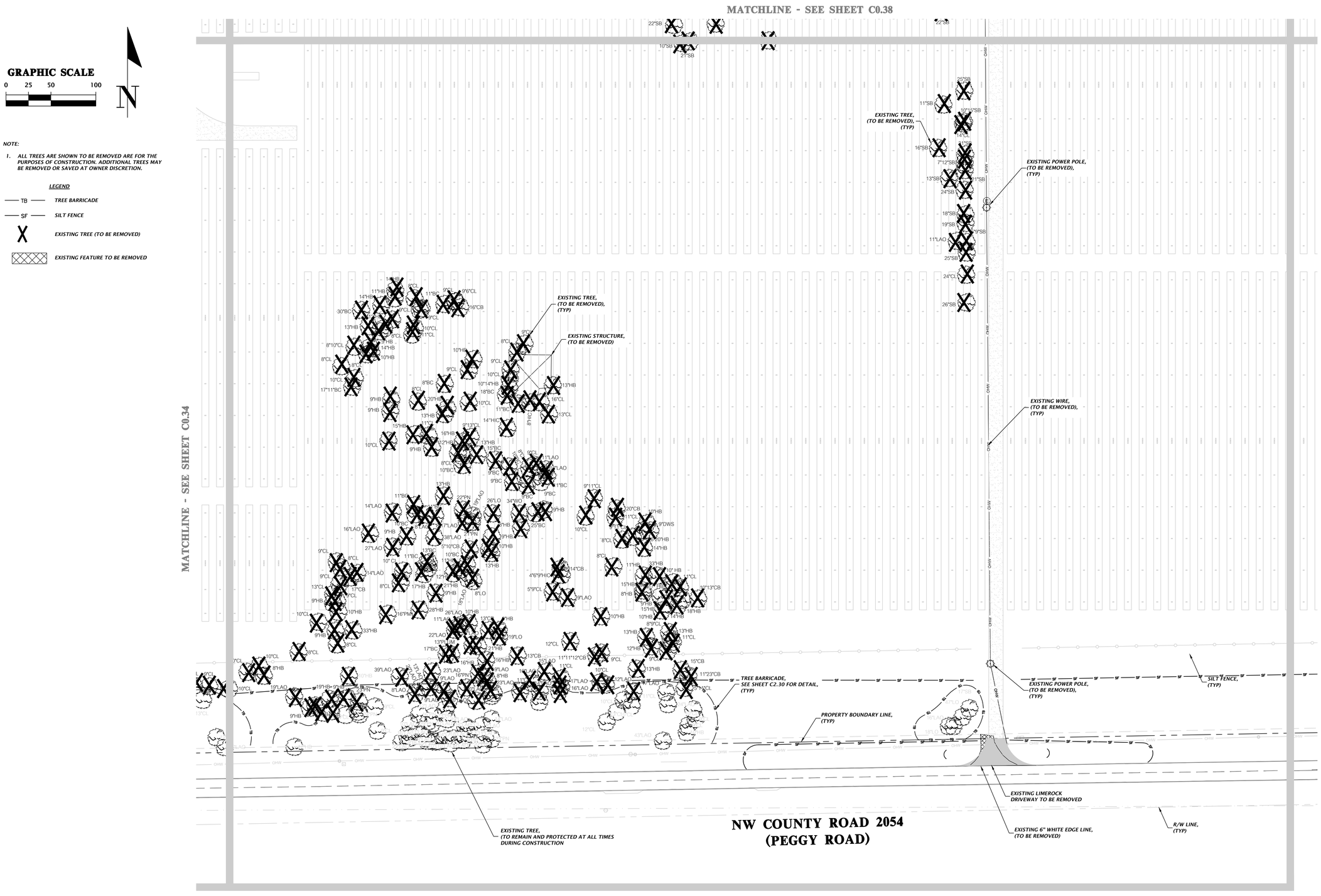
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER May 21 2024

FL PE No. 84295

SHEET NO.: C0.38

Tech: nicolas Plot Date: Apr 29,2024 12:27pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg



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LEGEND

- TB — TREE BARRICADE
- SF — SILT FENCE
- X — EXISTING TREE (TO BE REMOVED)
- EXISTING FEATURE TO BE REMOVED

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12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER May 21, 2024

FL PE No. 84295

SHEET NO.: C0.39

Tech: nicolas Plot Date: Apr 29,2024 12:29pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

A

B

C

D

GRAPHIC SCALE

0 25 50 100

N

NOTE:

1. *ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.*

LEGEND

—— TB —— *TREE BARRICADE*

—— SF —— *SILT FENCE*

X *EXISTING TREE (TO BE REMOVED)*

MATCHLINE - SEE SHEET C0.38

MATCHLINE - SEE SHEET C0.45

EXISTING TREE, (TO BE REMOVED), (TYP)

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ORIGINAL DRAWING
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SCALES ACCORDINGLY

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 CITY OF ALACHUA AND SRWMD
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03/07/24 CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

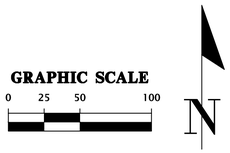
SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: K. CONAPP
QUALITY CONTROL: T. HASTAY
PROJECT MANAGER: TRAVIS J. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY LICENSE * No. 84295 * STATE OF FLORIDA * PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.: C0.40

Tech: nbolton Plot Date: Apr 29,2024 - 12:30pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_03-3b_Tree Canopy Retention.dwg



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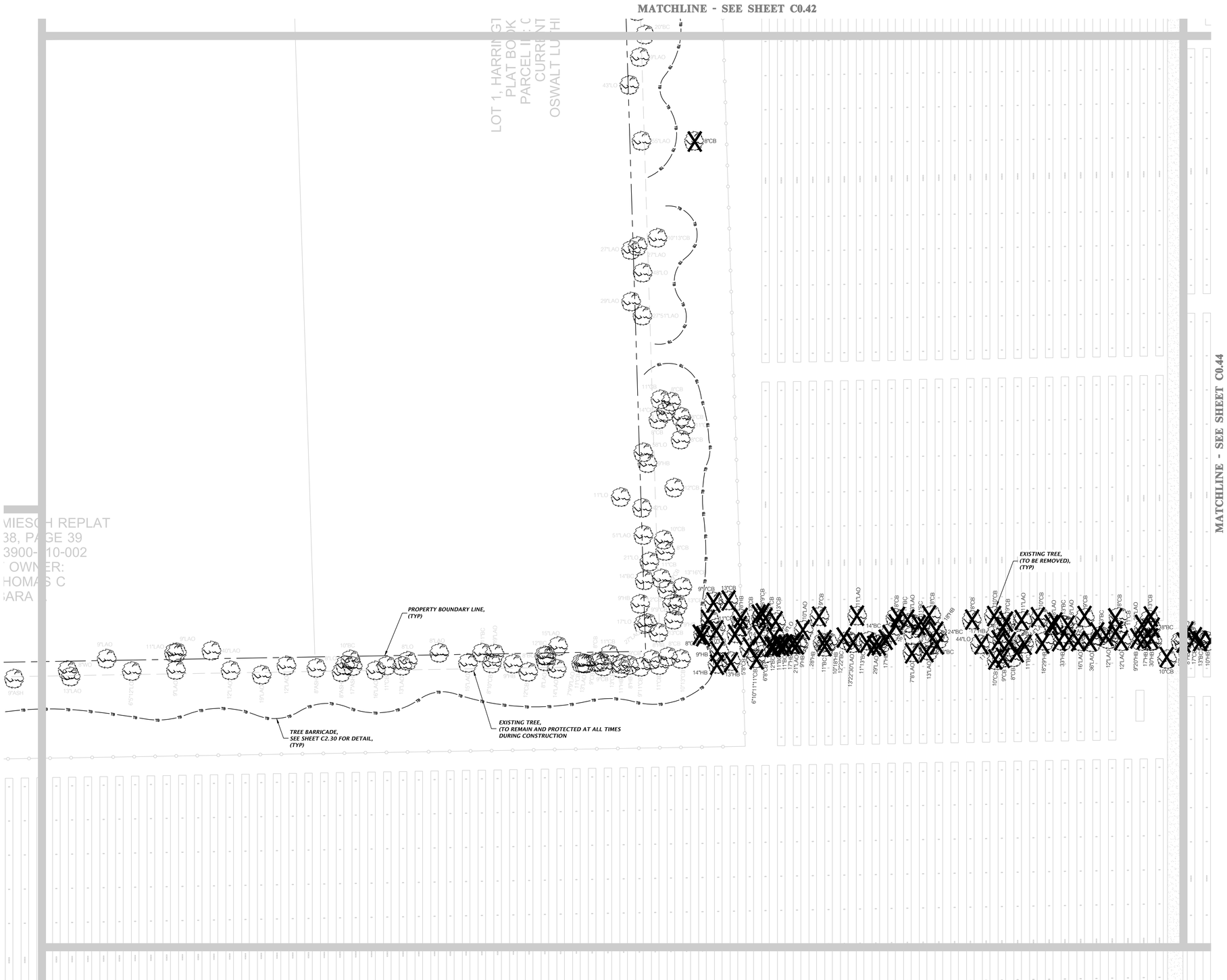
LEGEND

—— TB ——	TREE BARRICADE
—— SF ——	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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SCALE: 1"=50'

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY
LICENSE
No. 84295
May 21 2024
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C0.41

Tech: nlcolac Plot Date: Apr 29,2024 12:31pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

GRAPHIC SCALE

0 25 50 100

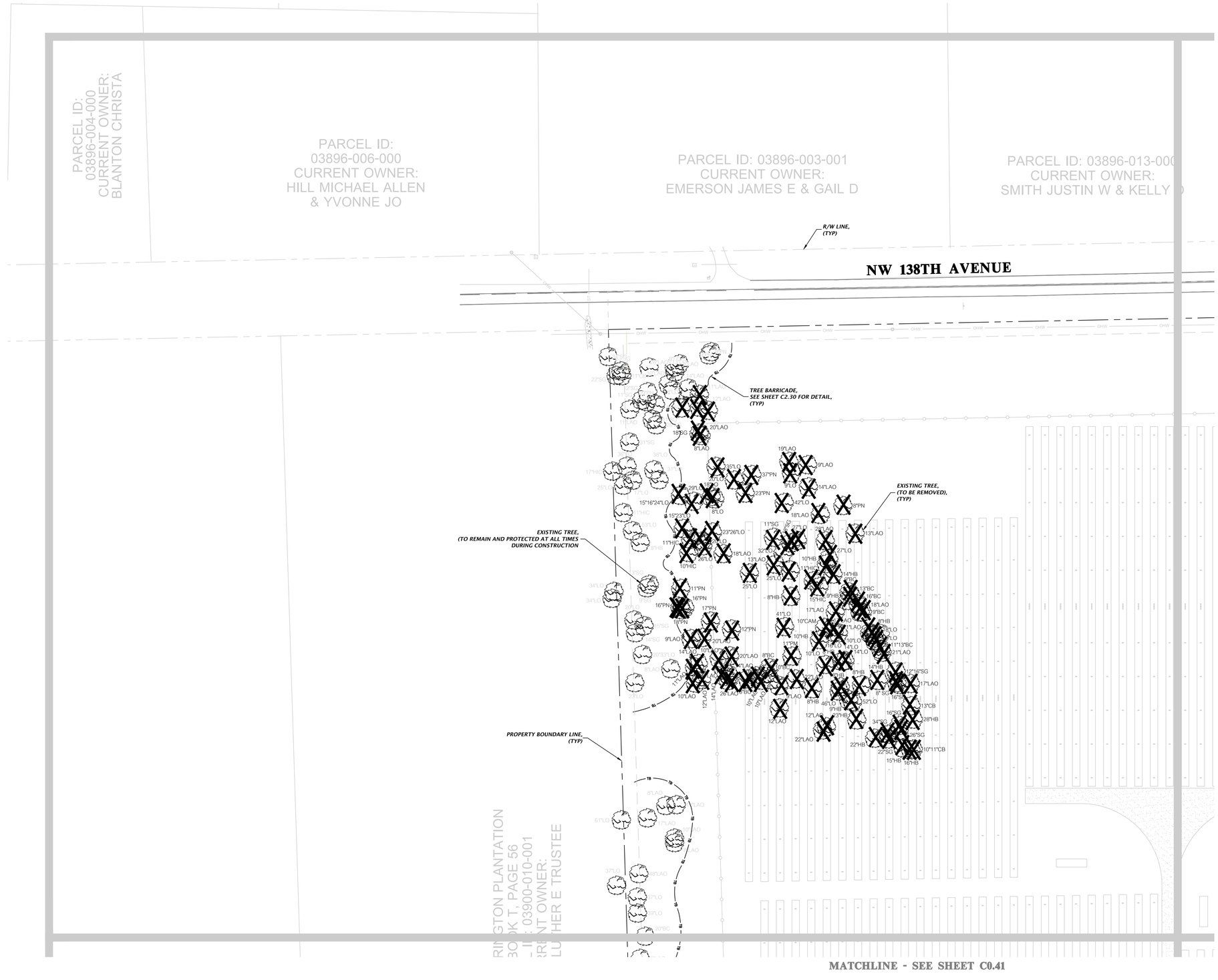
N

NOTE:

1. ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.

LEGEND

—— TB ——	TREE BARRICADE
—— SF ——	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

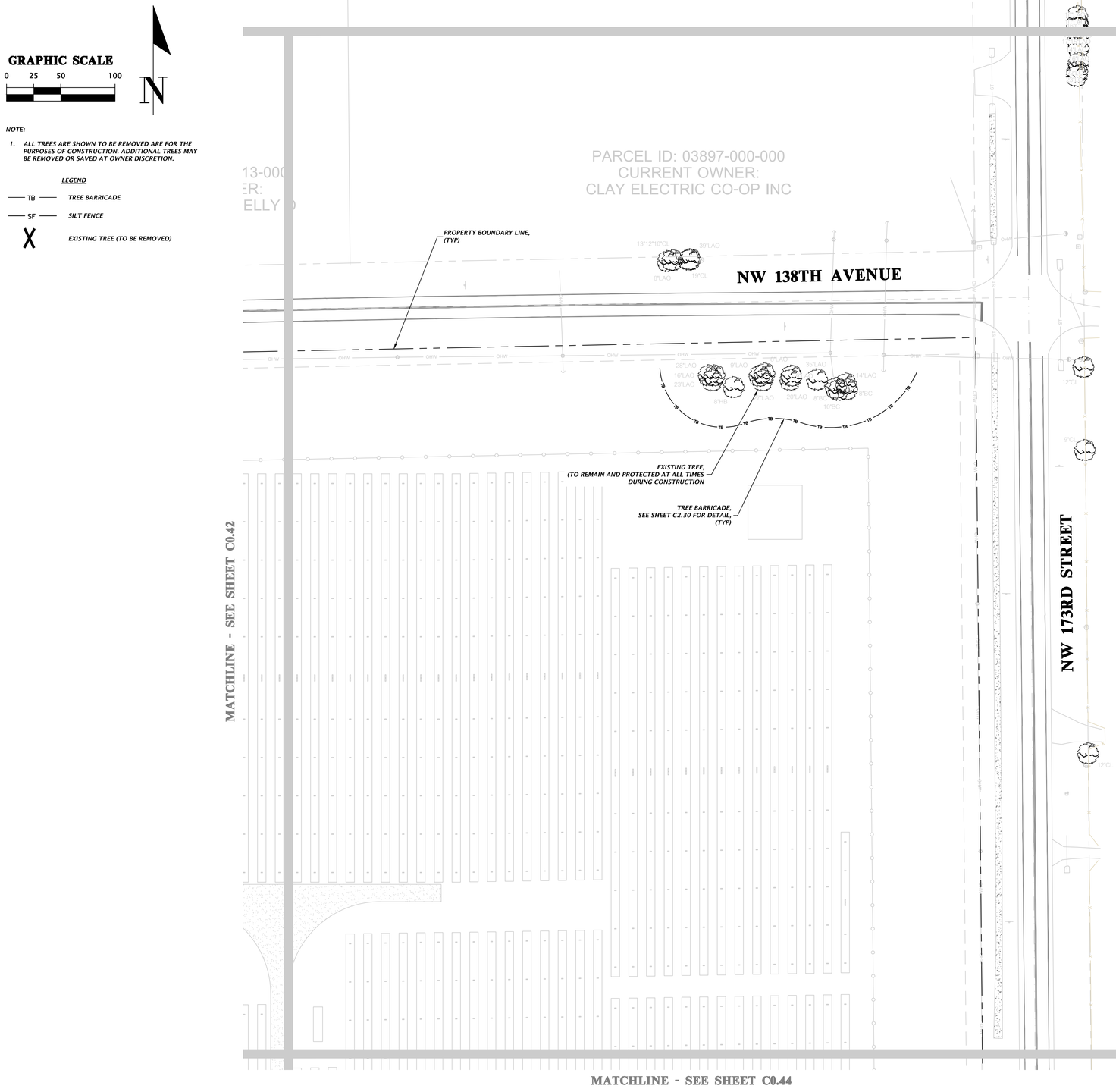
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C0.42

Tech: nicolac Plot Date: Apr 29,2024 1:58pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg



NOTE:

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LEGEND

—— TB ——	TREE BARRICADE
—— SF ——	SILT FENCE
X	EXISTING TREE (TO BE REMOVED)

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C0.43

Tech: nicolas Plot Date: Apr 29,2024 12:35pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

GRAPHIC SCALE

0 25 50 100

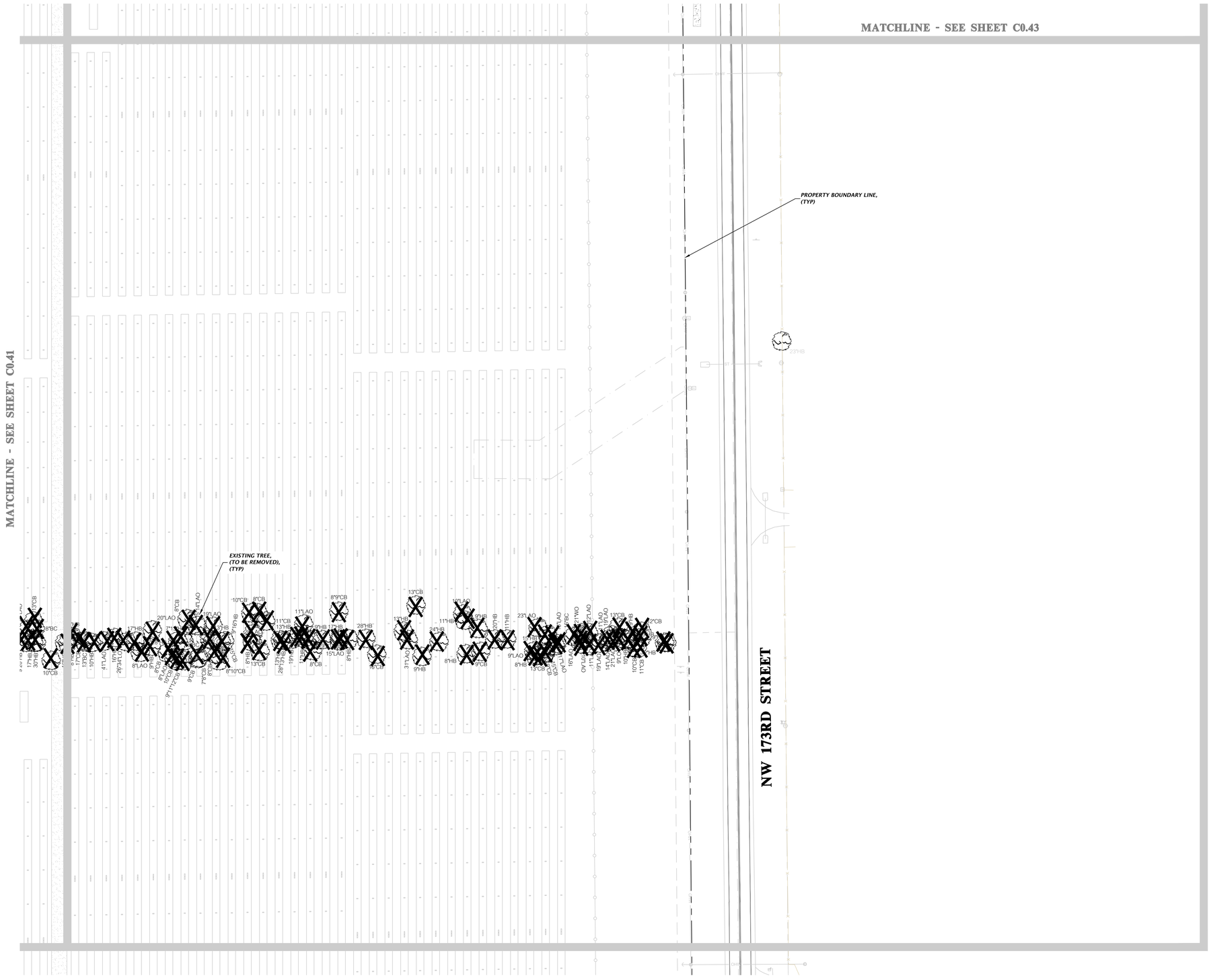
N

NOTE:

1. *ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.*

LEGEND

—— TB ——	*TREE BARRICADE*
—— SF ——	*SILT FENCE*
X	*EXISTING TREE (TO BE REMOVED)*



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C0.44

Tech: nicolac Plot Date: Apr 29,2024 12:34pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.30_Tree Canopy Retention.dwg

GRAPHIC SCALE

0 25 50 100

N

NOTE:

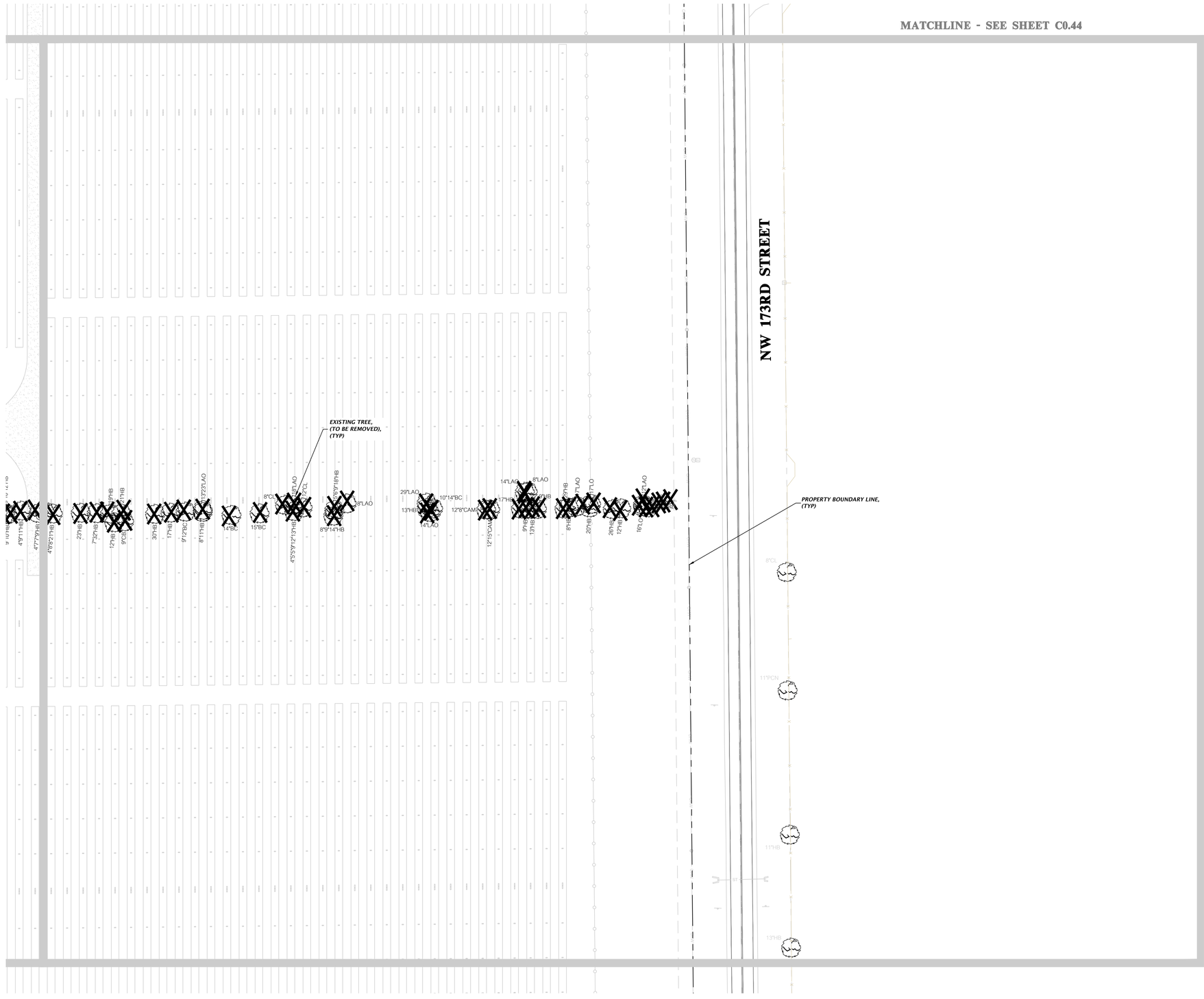
1. *ALL TREES ARE SHOWN TO BE REMOVED ARE FOR THE PURPOSES OF CONSTRUCTION. ADDITIONAL TREES MAY BE REMOVED OR SAVED AT OWNER DISCRETION.*

LEGEND

TB — *TREE BARRICADE*

SF — *SILT FENCE*

X *EXISTING TREE (TO BE REMOVED)*



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SUBMITTALS:	CONSTRUCTION/BID
08/31/23 - CITY OF ALACHUA AND SRWMD	
09/01/23 - CITY OF ALACHUA AND SRWMD	
12/21/23 - CITY OF ALACHUA	
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP	
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY	

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

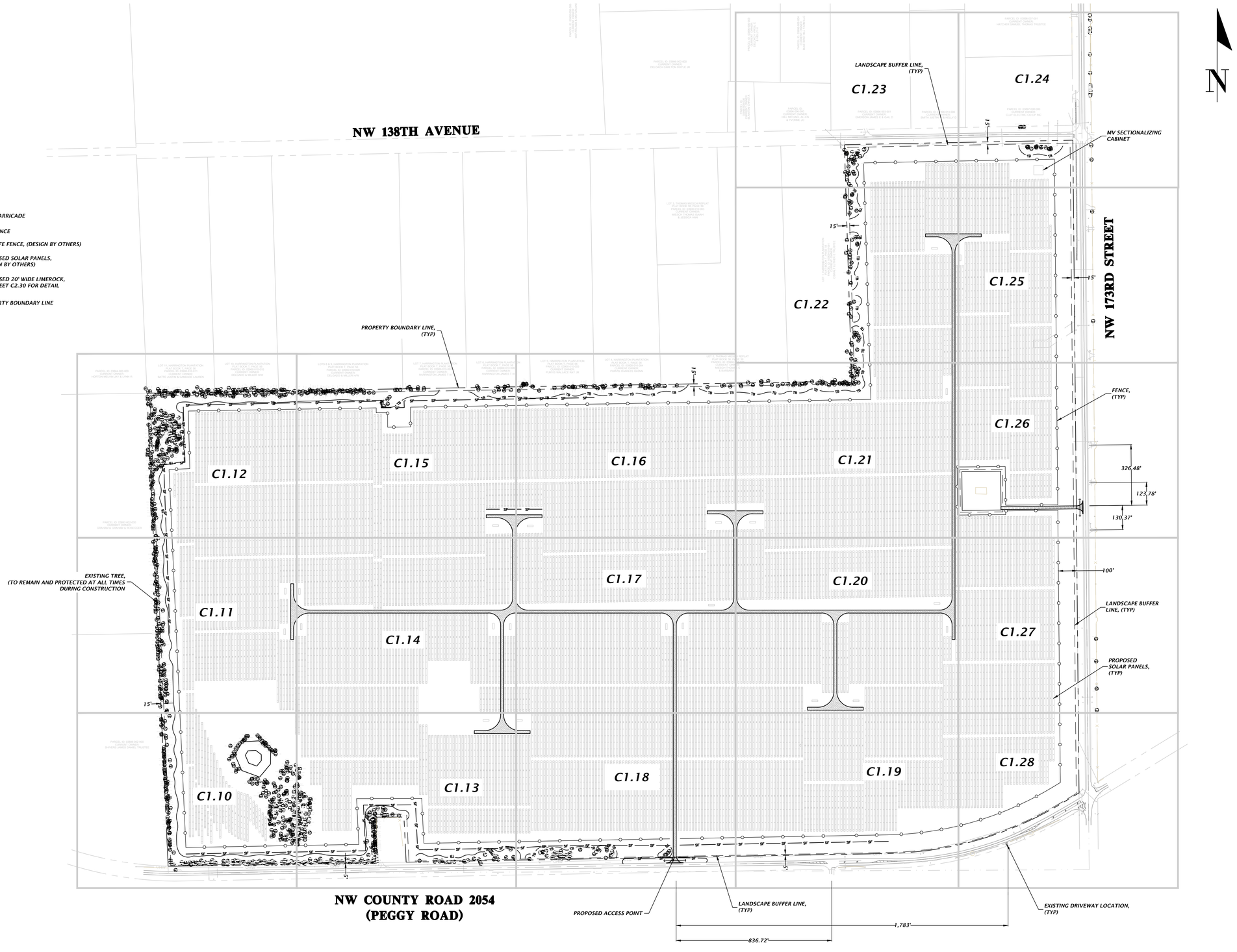
SHEET TITLE: ENLARGED TREE CANOPY PROTECTION AND REMOVAL PLAN

TECHNICIAN: J. THOMAS
DESIGNER: M. CHAPP
QA/QC CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
License No. 84295
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C0.45

Tech: rkistler Plot Date: Apr 29,2024 - 12:56pm Filename: W:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C0.50_Tree Canopy Retention.dwg



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CONSTRUCTION/BID REVISIONS:

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09/11/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: MASTER SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. CHAPP
PROJECT CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO: C1.00

Tech: nicolas Plot Date: Apr 29,2024 - 12:42pm FileName: N:\2021\21-0275\Departments\04_Engineering\03_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg

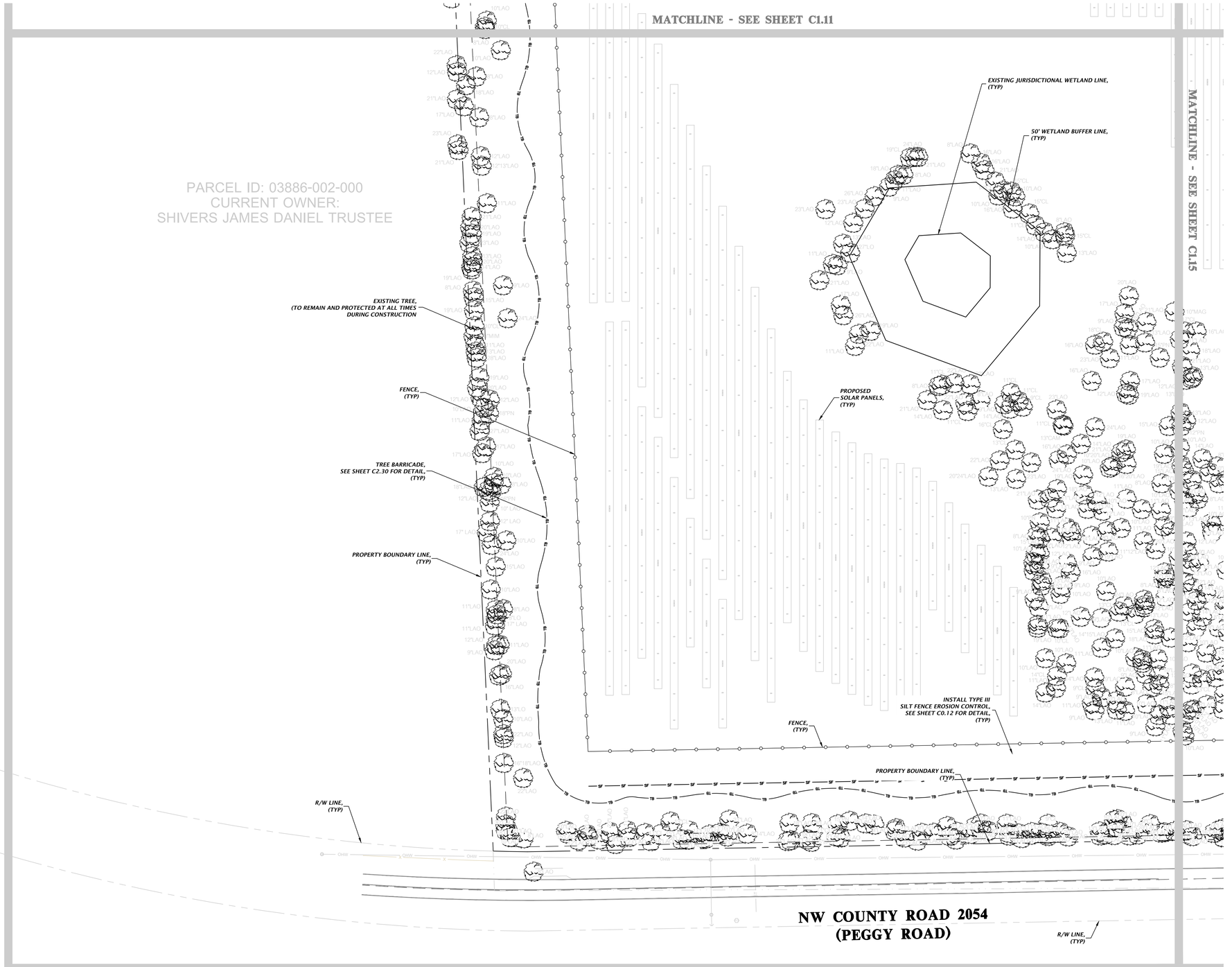
GRAPHIC SCALE

0 25 50 100

N

LEGEND

- TB — *TREE BARRICADE*
- SF — *SILT FENCE*
- *WILDLIFE FENCE, (DESIGN BY OTHERS)*
- *PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)*
- *PROPOSED 20' WIDE LIMEROCK, SEE SHEET C2.30 FOR DETAIL*
- *PROPERTY BOUNDARY LINE*



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SCALES ACCORDINGLY.

0 1"

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SUBMITTALS:
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10/11/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

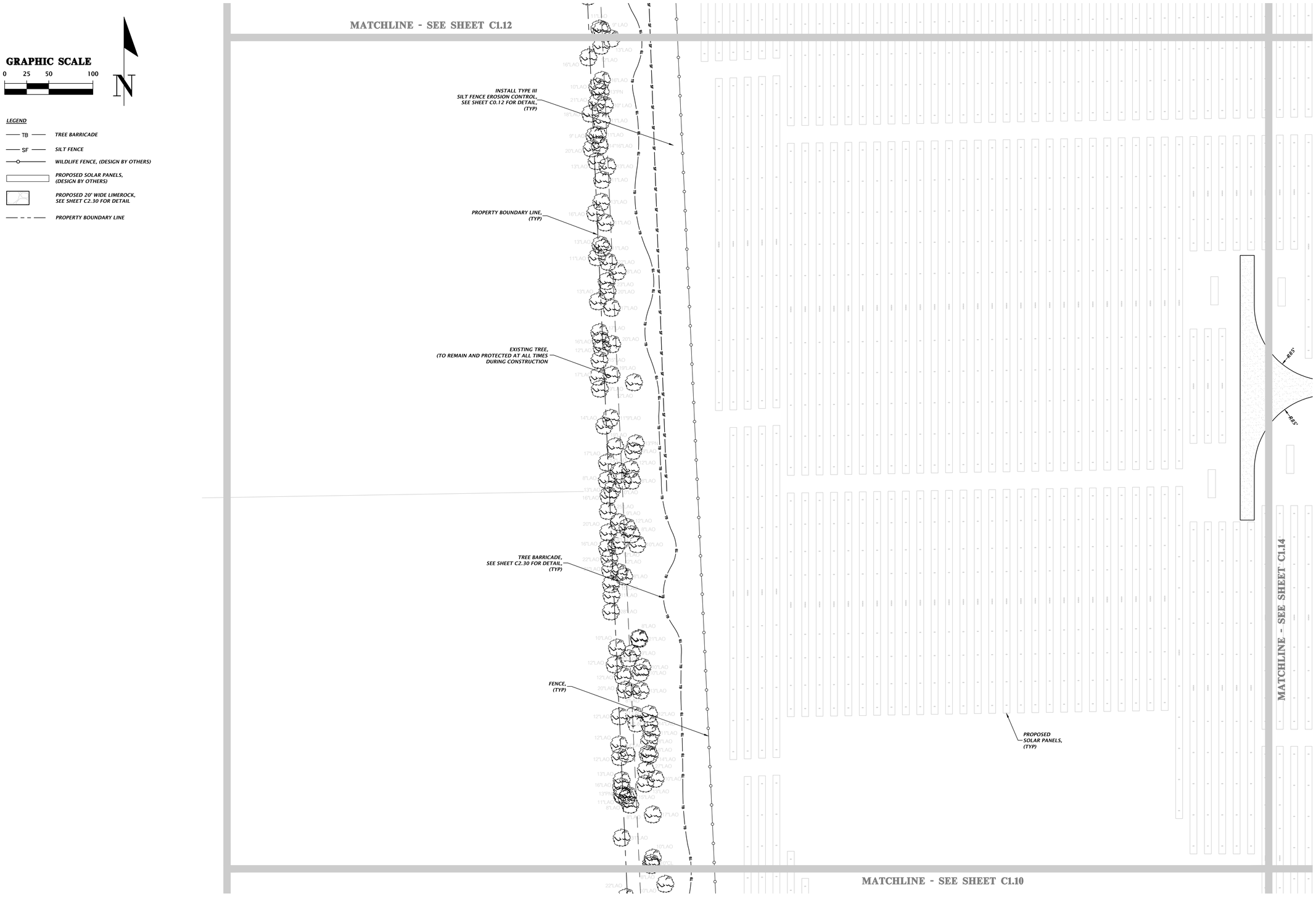
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. CROWDAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
LICENSE
No. 84295
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.
C1.10

Tech: mbobo Plot Date: Apr 29,2024 - 12:45pm Filename: H:\2021\21-0275\Department\04_Engineering\03_Civil\Production Files\21-0275_C1.00_Master Site Plan.dwg



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

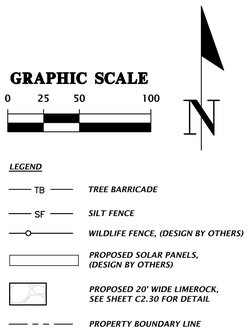
TRAVIS J. HASTAY

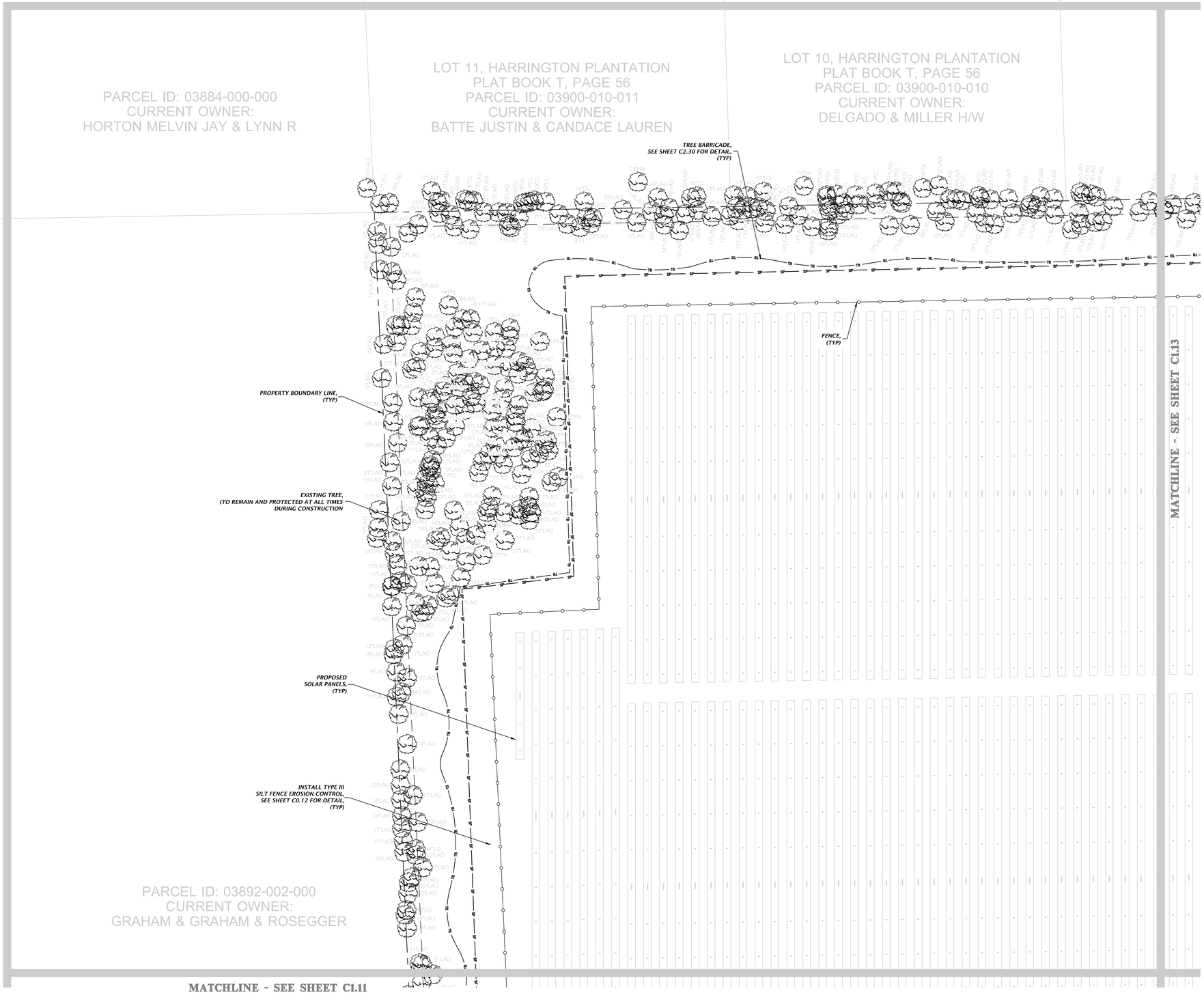
TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C1.11

Tech: nicolas Plot Date: Apr 29,2024 12:45pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg





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CONSTRUCTION/BID REVISIONS:

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12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C1.12

Tech: nicolac Plot Date: Apr 29,2024 12:46pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg

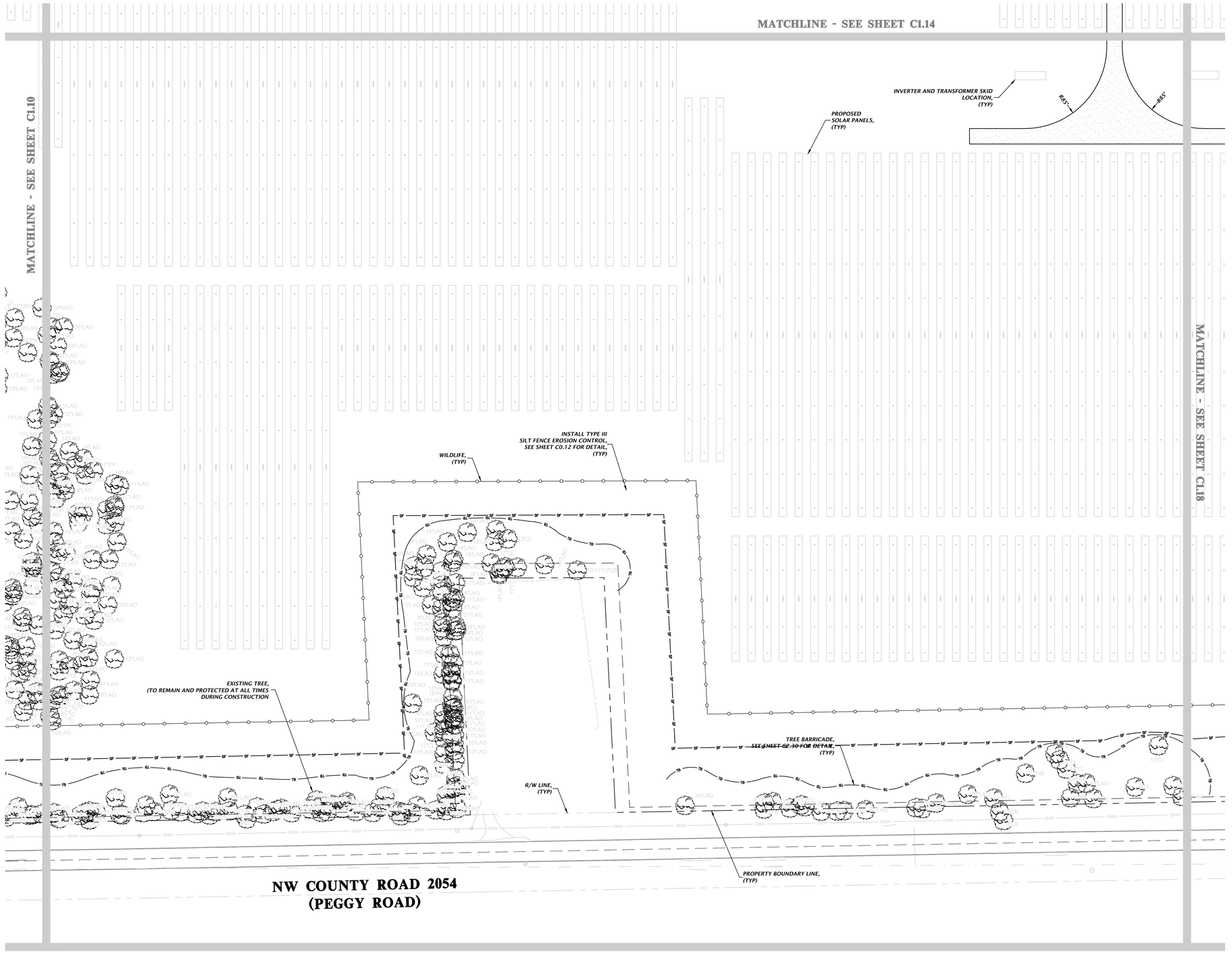
GRAPHIC SCALE

0 25 50 100

N

LEGEND

- TB — *TREE BARRICADE*
- SF — *SILT FENCE*
- *WILDLIFE FENCE, (DESIGN BY OTHERS)*
- *PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)*
- *PROPOSED 20' WIDE LIMEROCK, SEE SHEET C2.30 FOR DETAIL*
- *PROPERTY BOUNDARY LINE*



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0 1"

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
11/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

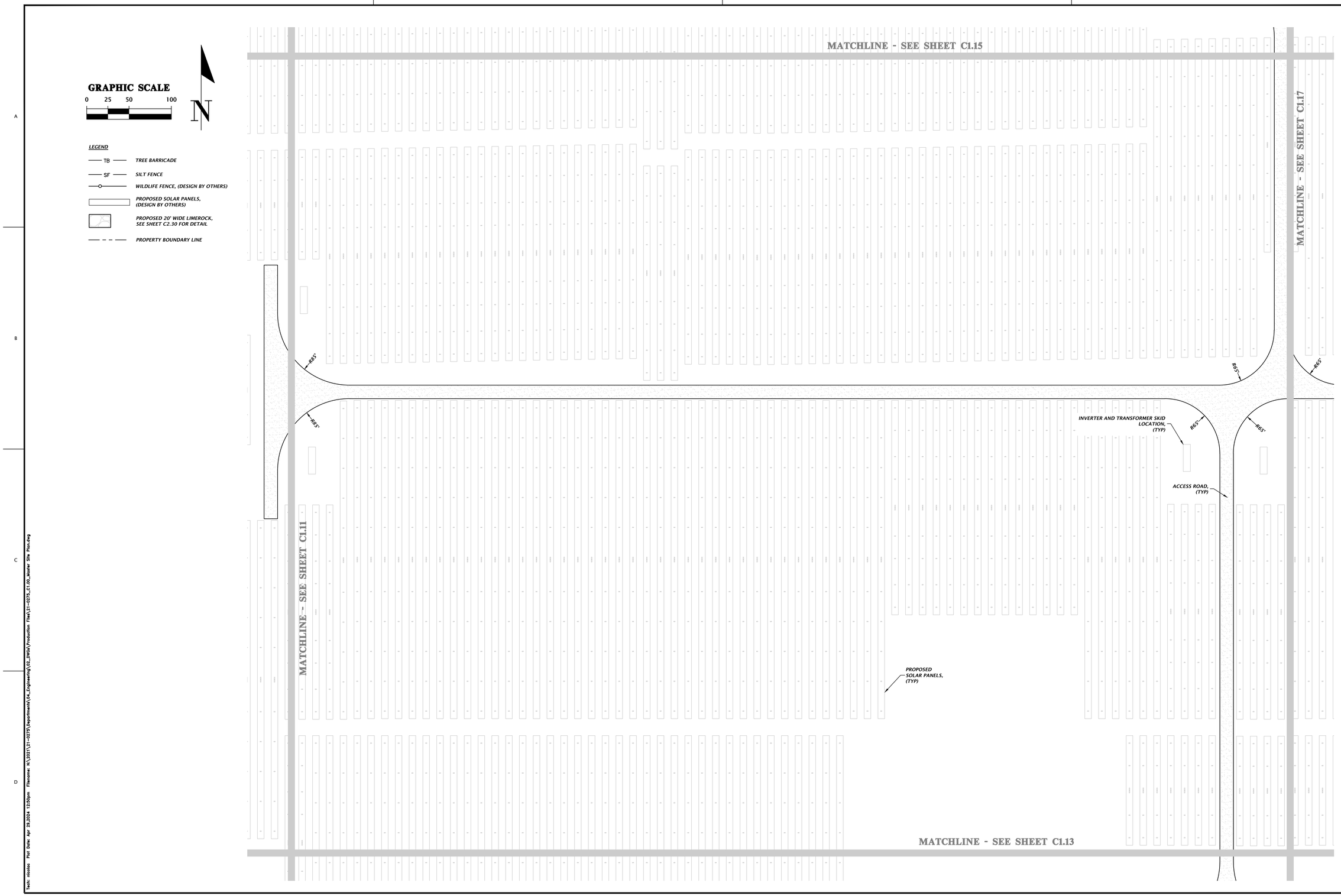
TECHNICIAN: J. THOMAS
DESIGNER: M. CONWAY
QA/QC CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.: C1.13

Tech: rkistler Plot Date: Apr 29,2024 12:49pm Filename: M:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

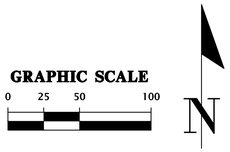
CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER
FL PE No. 84295

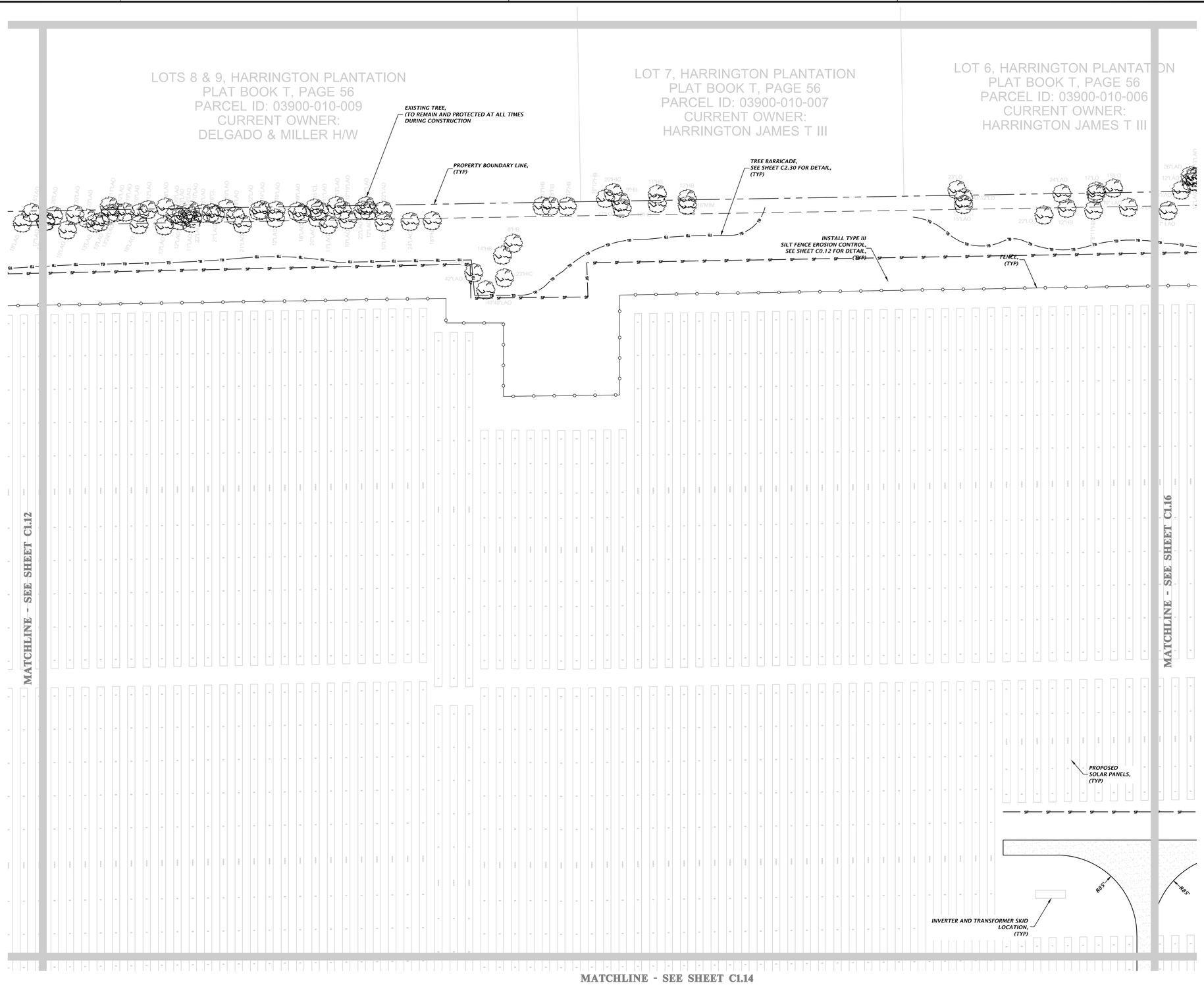
SHEET NO.: C1.14

Tech: nicolac Plot Date: Apr 29,2024 12:50pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



LEGEND

- TB — TREE BARRICADE
- SF — SILT FENCE
- WILDLIFE FENCE, (DESIGN BY OTHERS)
- PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)
- PROPOSED 20' WIDE LIMEROCK, SEE SHEET C2.30 FOR DETAIL
- PROPERTY BOUNDARY LINE



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CONSTRUCTION/BID REVISIONS:

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09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER
FL PE No. 84295

SHEET NO.: C1.15

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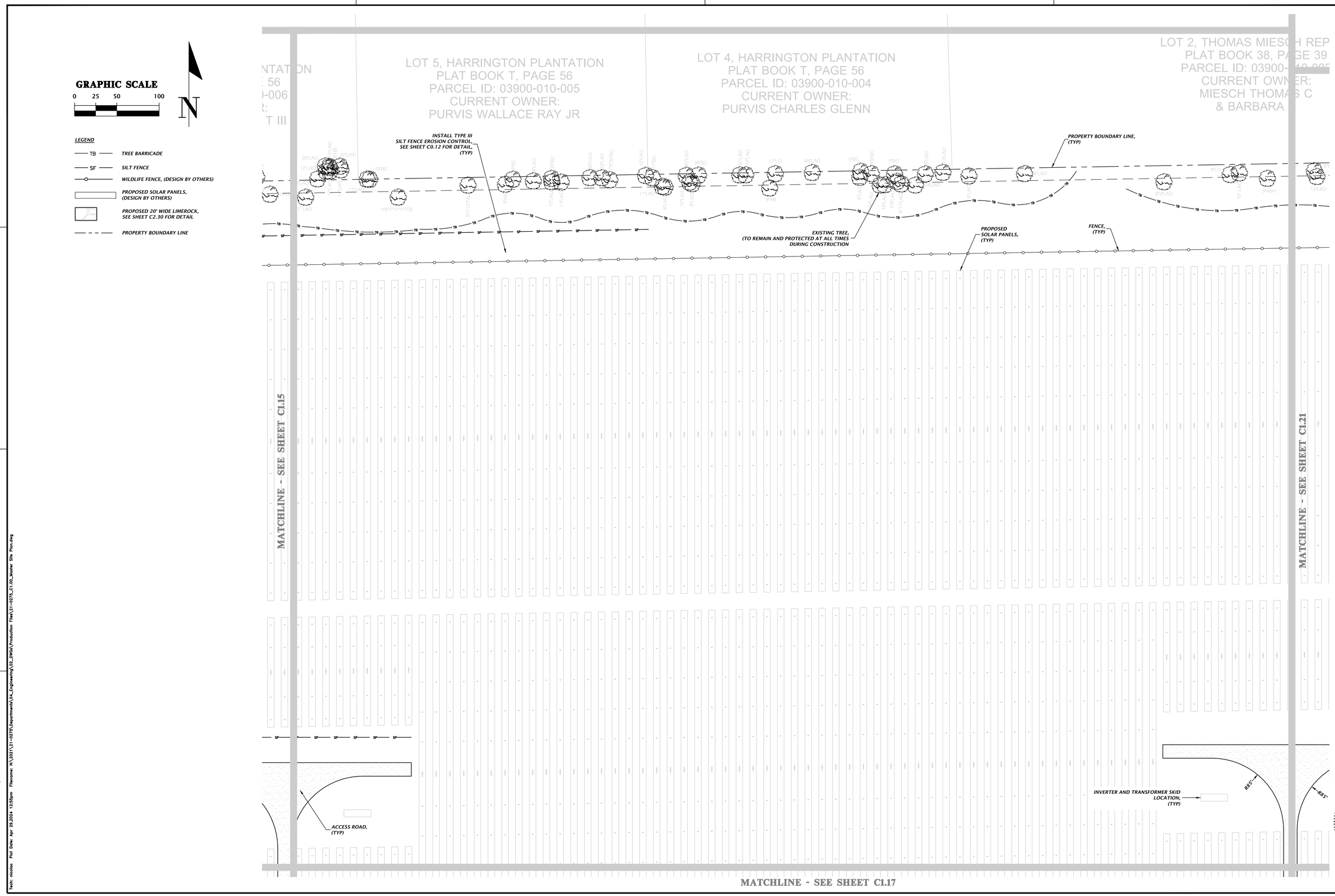

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

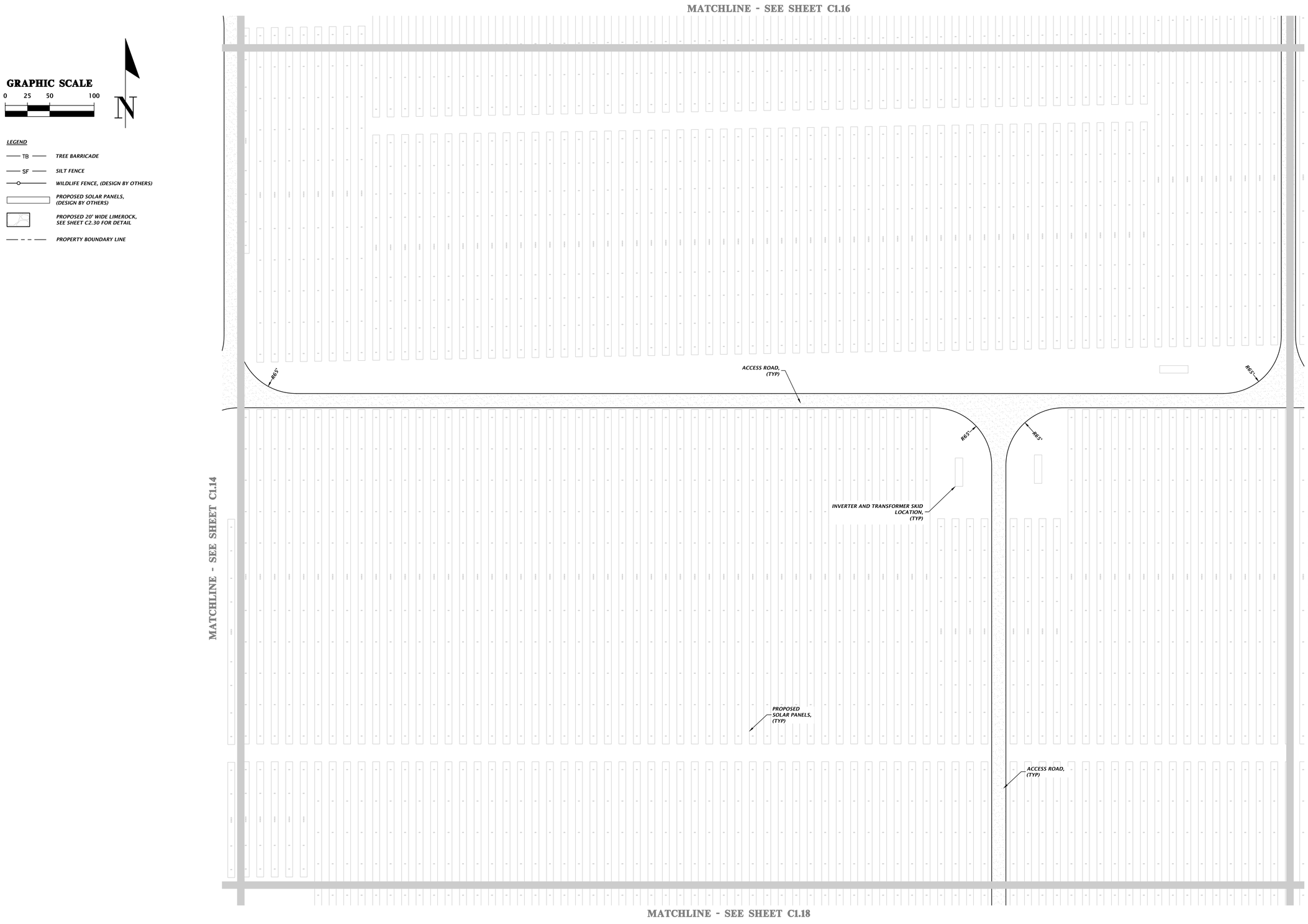
CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER
FL PE No. 84295

SHEET NO.: C1.16

Tech: nlcolac Plot Date: Apr 29,2024 12:55pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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SCALE: 1"=50'

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

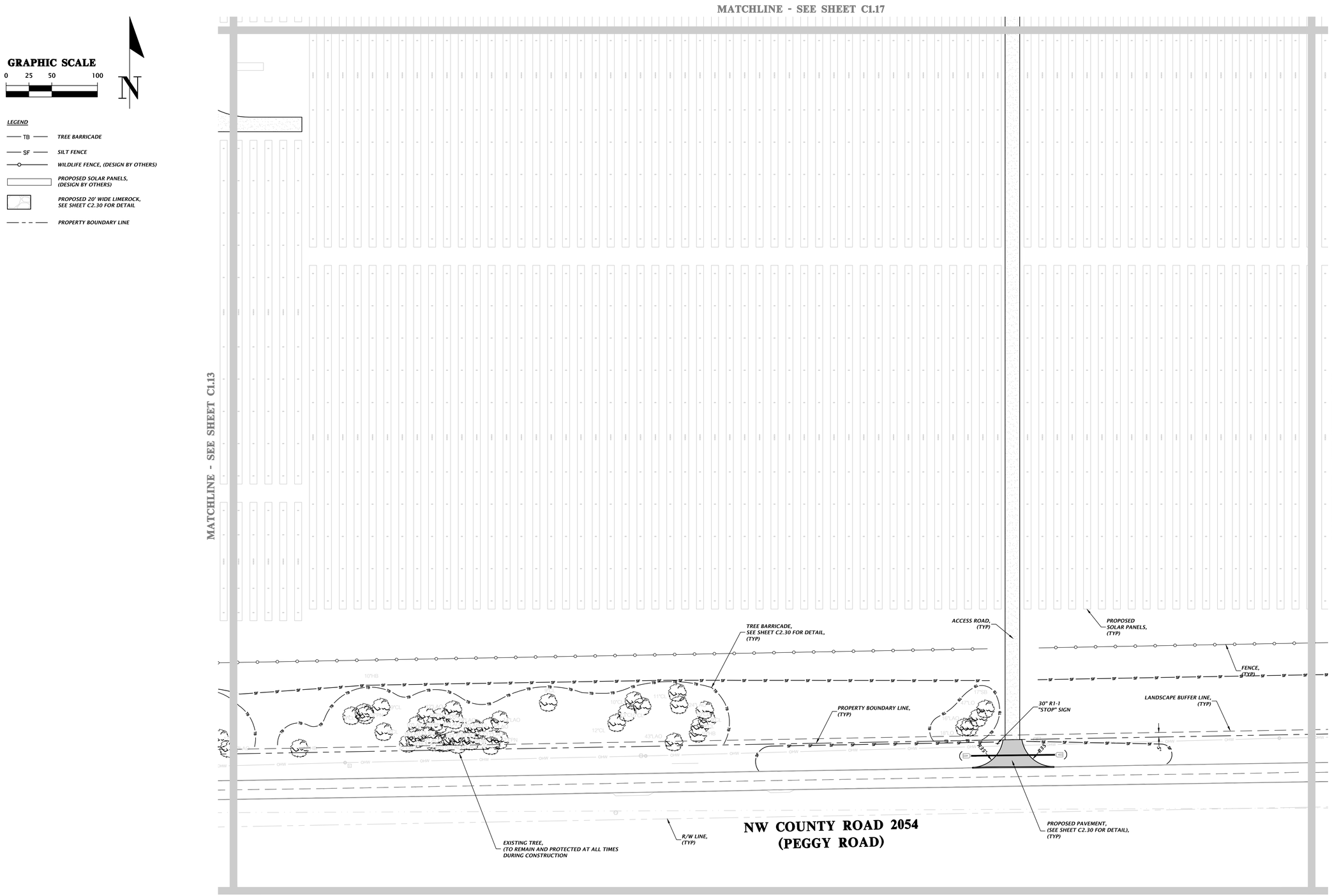
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C1.17

Tech: nicolac Plot Date: Apr 29,2024 12:56pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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CONSTRUCTION/BID REVISIONS:

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08/31/23 - CITY OF ALACHUA AND SRWMD
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12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

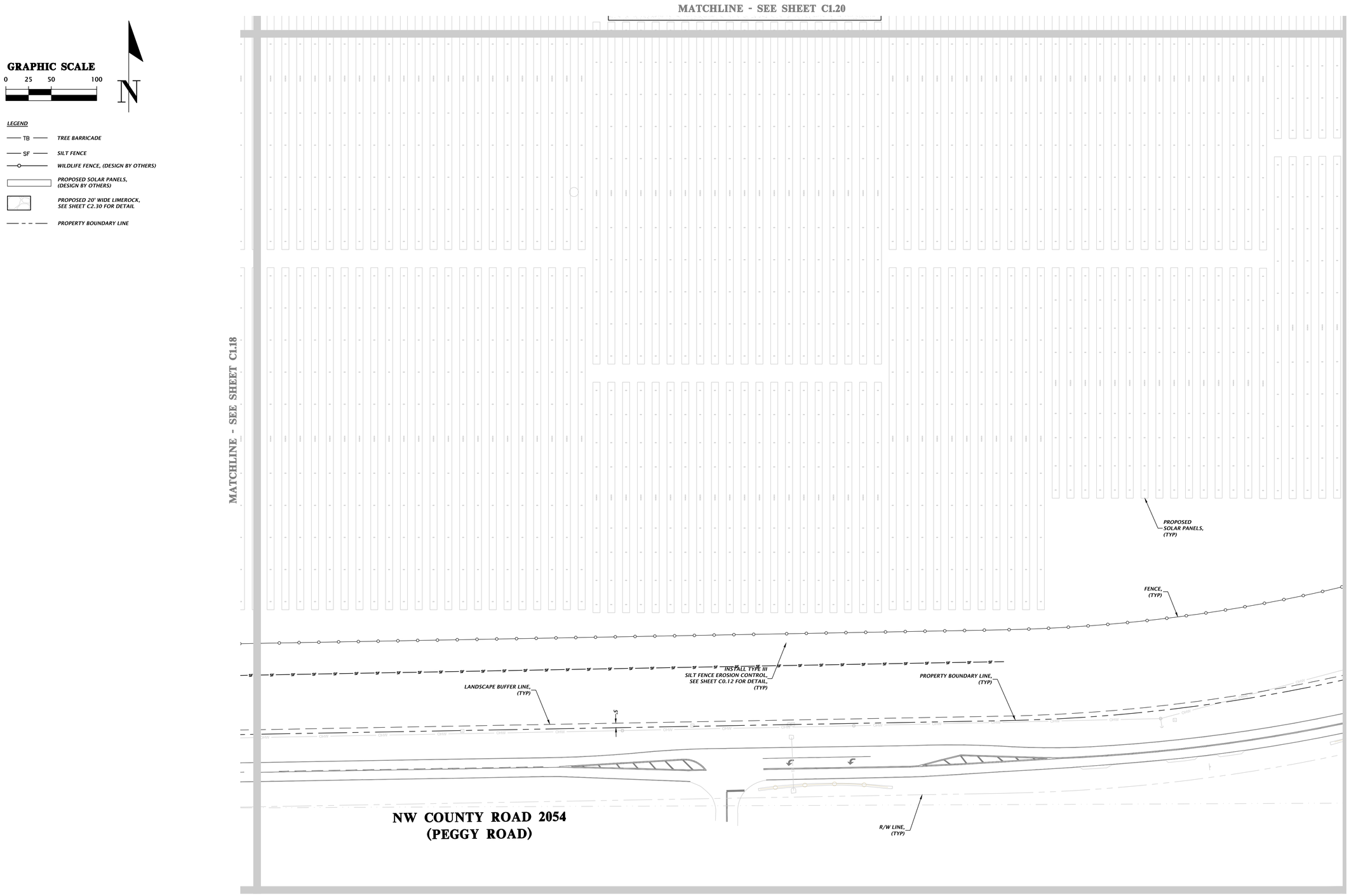
CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 May 21, 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER
FL PE No. 84295

SHEET NO.: C1.18

Tech: nicolas Plot Date: Apr 29,2024 12:58pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

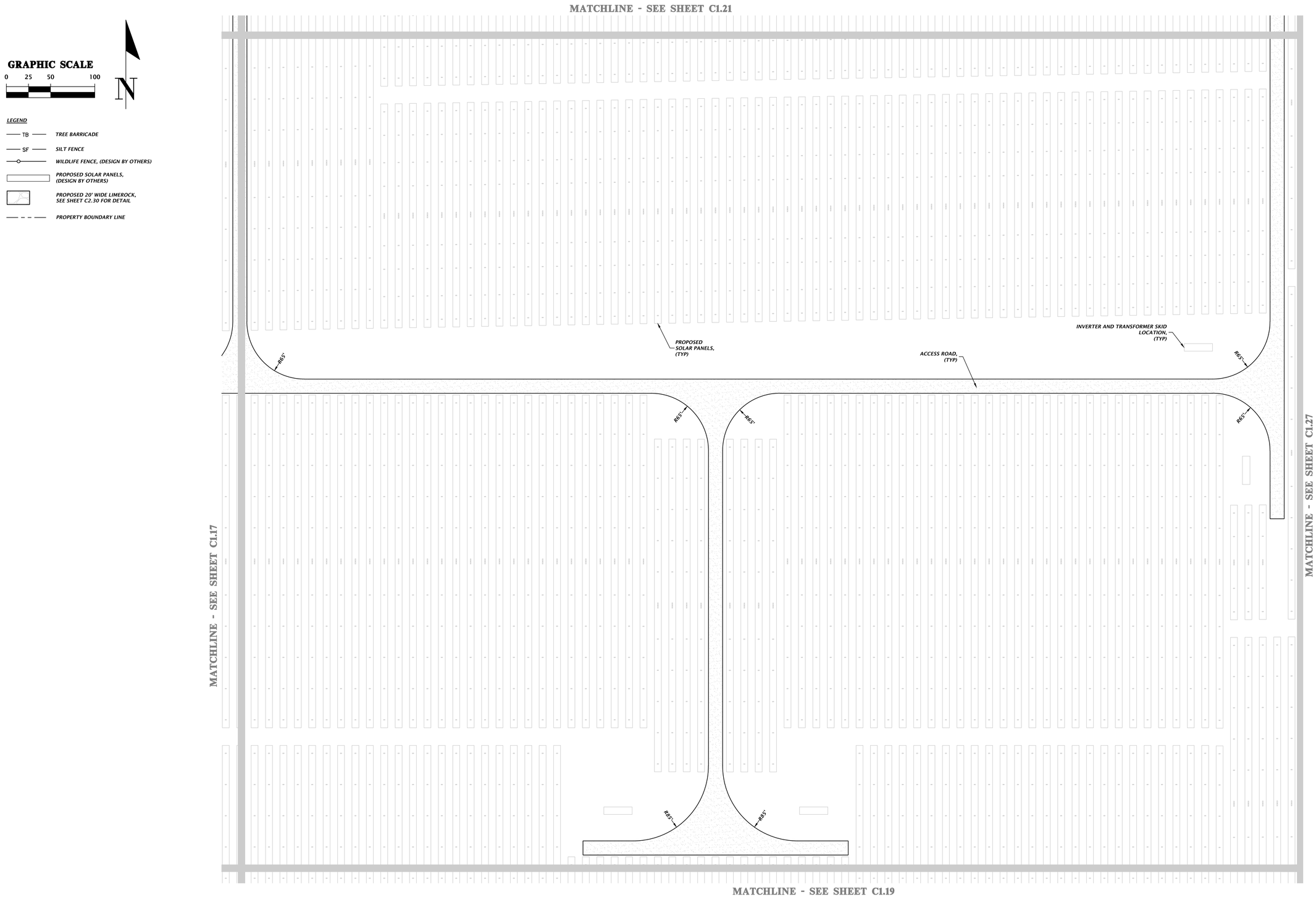
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C1.19

Tech: nicolao Plot Date: Apr 29,2024 12:59pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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CONSTRUCTION/BID REVISIONS:

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03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

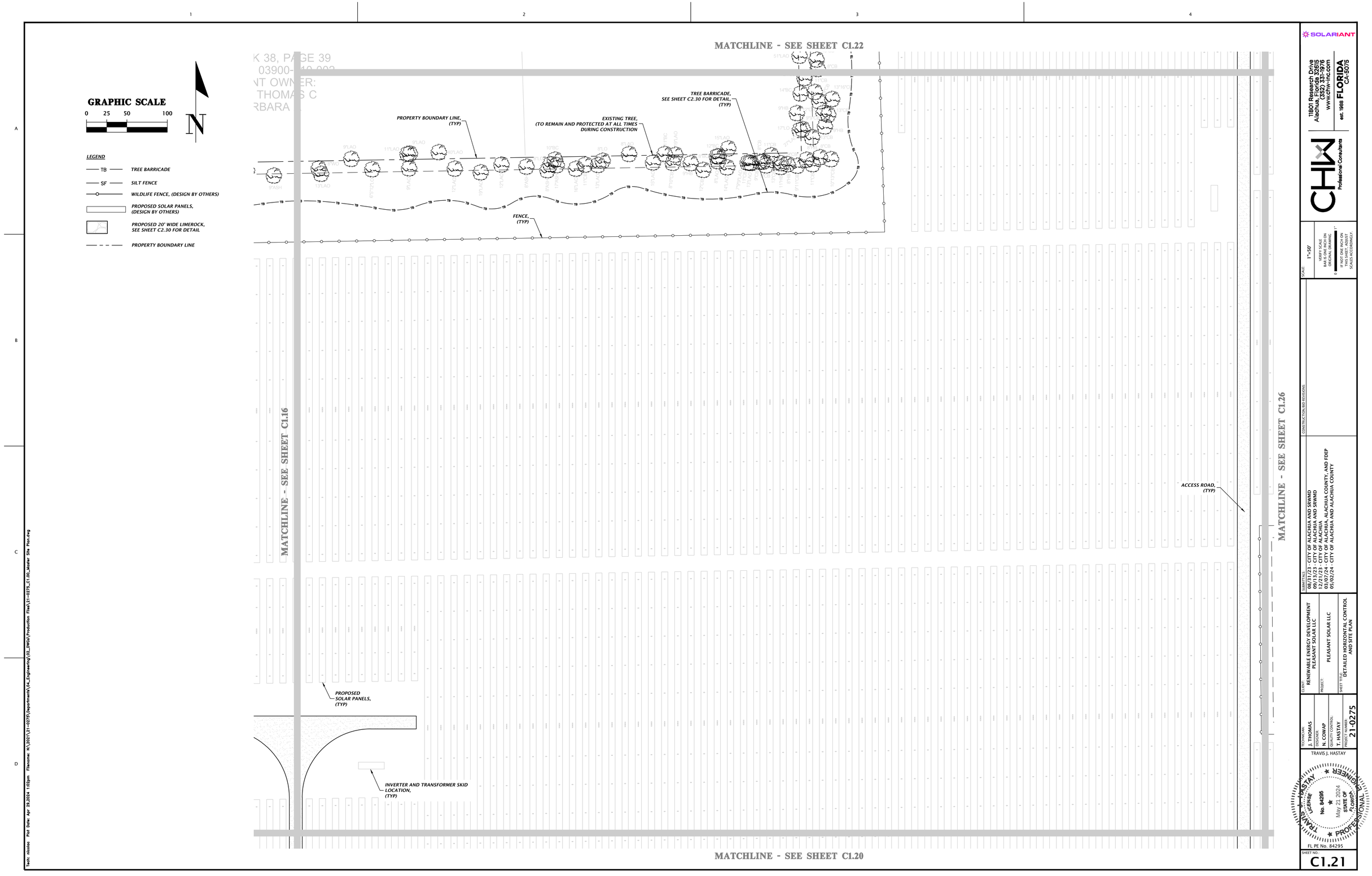
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C1.20

Tech: nicolac Plot Date: Apr 29,2024 1:00pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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CONSTRUCTION/BID REVISIONS:

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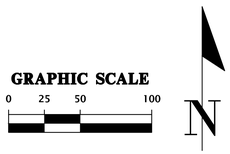
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

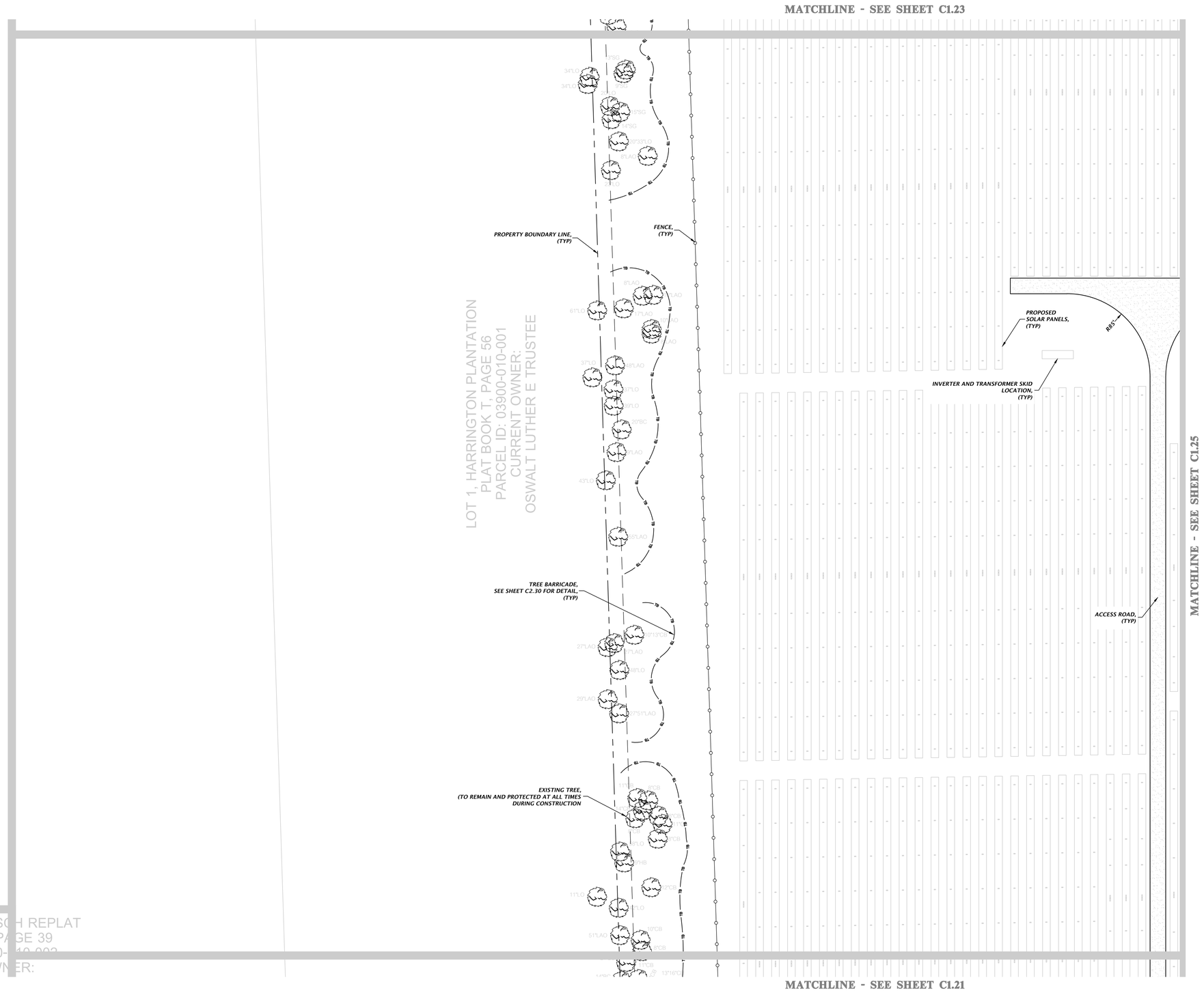
TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER
FL PE No. 84295

SHEET NO.: C1.21



LEGEND

- TB — TREE BARRICADE
- SF — SILT FENCE
- WILDLIFE FENCE, (DESIGN BY OTHERS)
- PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)
- PROPOSED 20' WIDE LIMEROCK, SEE SHEET C2.30 FOR DETAIL
- PROPERTY BOUNDARY LINE



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CONSTRUCTION/BID REVISIONS:

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08/31/23 - CITY OF ALACHUA AND SRWMD
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12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER
FL PE No. 84295

SHEET NO.: C1.22

Tech: nicolas Plot Date: Apr 29,2024 1:03pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg

GRAPHIC SCALE

0 25 50 100

N

LEGEND

- TB — *TREE BARRICADE*
- SF — *SILT FENCE*
- *WILDLIFE FENCE, (DESIGN BY OTHERS)*
- *PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)*
- *PROPOSED 20' WIDE LIMEROCK, SEE SHEET C2.30 FOR DETAIL*
- *PROPERTY BOUNDARY LINE*

PARCEL ID: 03896-006-003
CURRENT OWNER:
DELOACH VIRGIL C
& HOLLY H

PARCEL ID: 03896-006-004
CURRENT OWNER:
BLUE BIRD HILL FARM LLC

PARCEL ID:
03896-004-000
CURRENT OWNER:
BLANTON CHRISTA

PARCEL ID:
03896-006-000
CURRENT OWNER:
HILL MICHAEL ALLEN
& YVONNE JO

PARCEL ID: 03896-003-001
CURRENT OWNER:
EMERSON JAMES E & GAIL D

PARCEL ID: 03896-013-000
CURRENT OWNER:
SMITH JUSTIN W & KELLY D

MATCHLINE - SEE SHEET C1.24

R/W LINE, (TYP)

NW 138TH AVENUE

LANDSCAPE BUFFER LINE, (TYP)

PROPERTY BOUNDARY LINE, (TYP)

FENCE, (TYP)

EXISTING TREE, (TO REMAIN AND PROTECTED AT ALL TIMES DURING CONSTRUCTION

TREE BARRICADE, SEE SHEET C2.30 FOR DETAIL, (TYP)

PROPOSED SOLAR PANELS, (TYP)

PROPERTY BOUNDARY LINE, (TYP)

MATCHLINE - SEE SHEET C1.22

Tech: nicolas Plot Date: Apr 29,2024 1:55pm FileName: N:\2021\21-0275\Department\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg

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VERIFY SCALE
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0 1"
IF NOT ONE INCH ON
THIS SHEET ADJUST
SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:	
08/31/23	CITY OF ALACHUA AND SRWMD
09/18/23	CITY OF ALACHUA AND SRWMD
12/21/23	CITY OF ALACHUA
03/07/24	CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24	CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

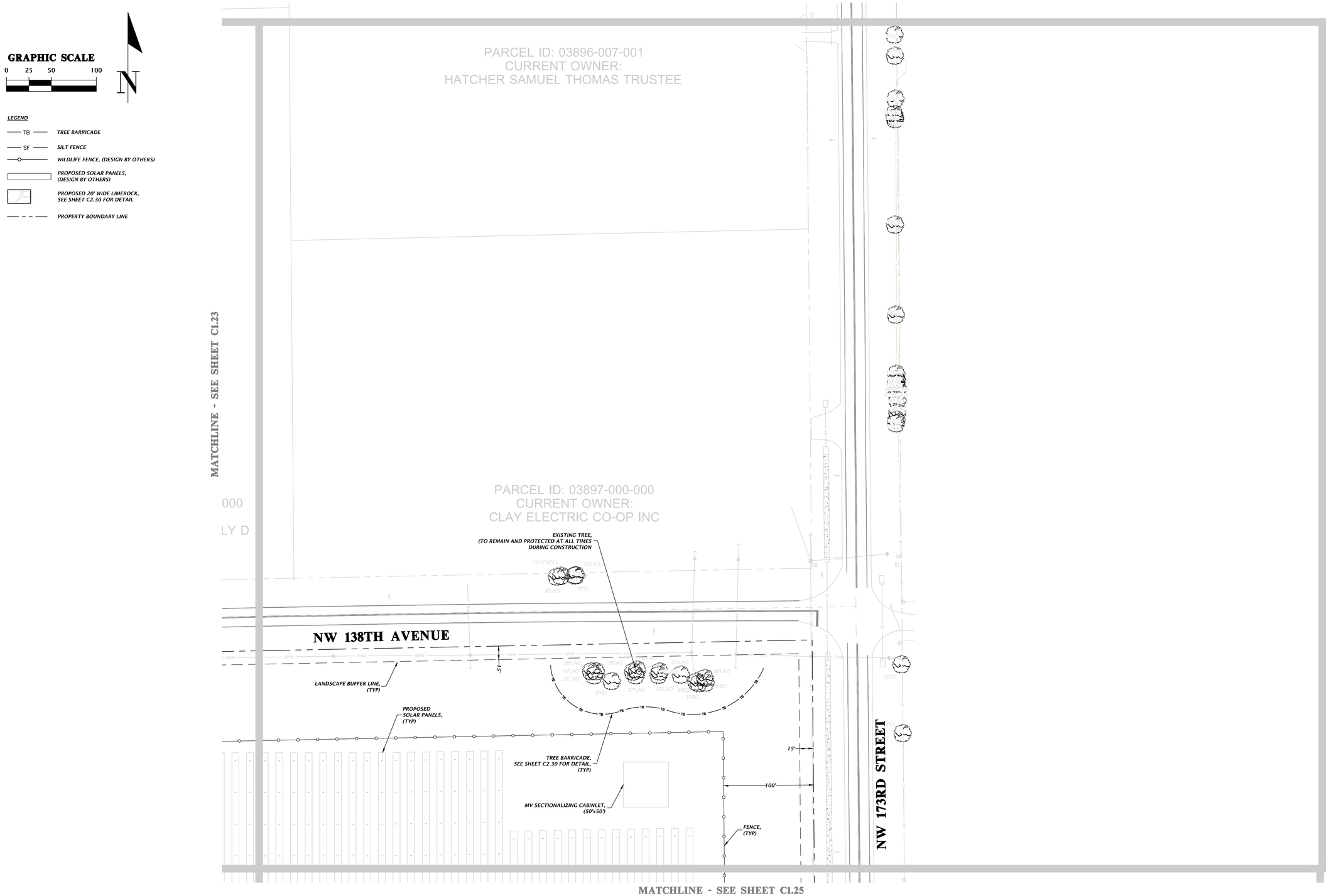
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: K. FOWLER
QUALITY CONTROL: T. HASTAY

PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
LICENSE No. 84295
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.: C1.23



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
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12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C1.24



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CONSTRUCTION/BID REVISIONS:

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08/31/23 - CITY OF ALACHUA AND SRWMD
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12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

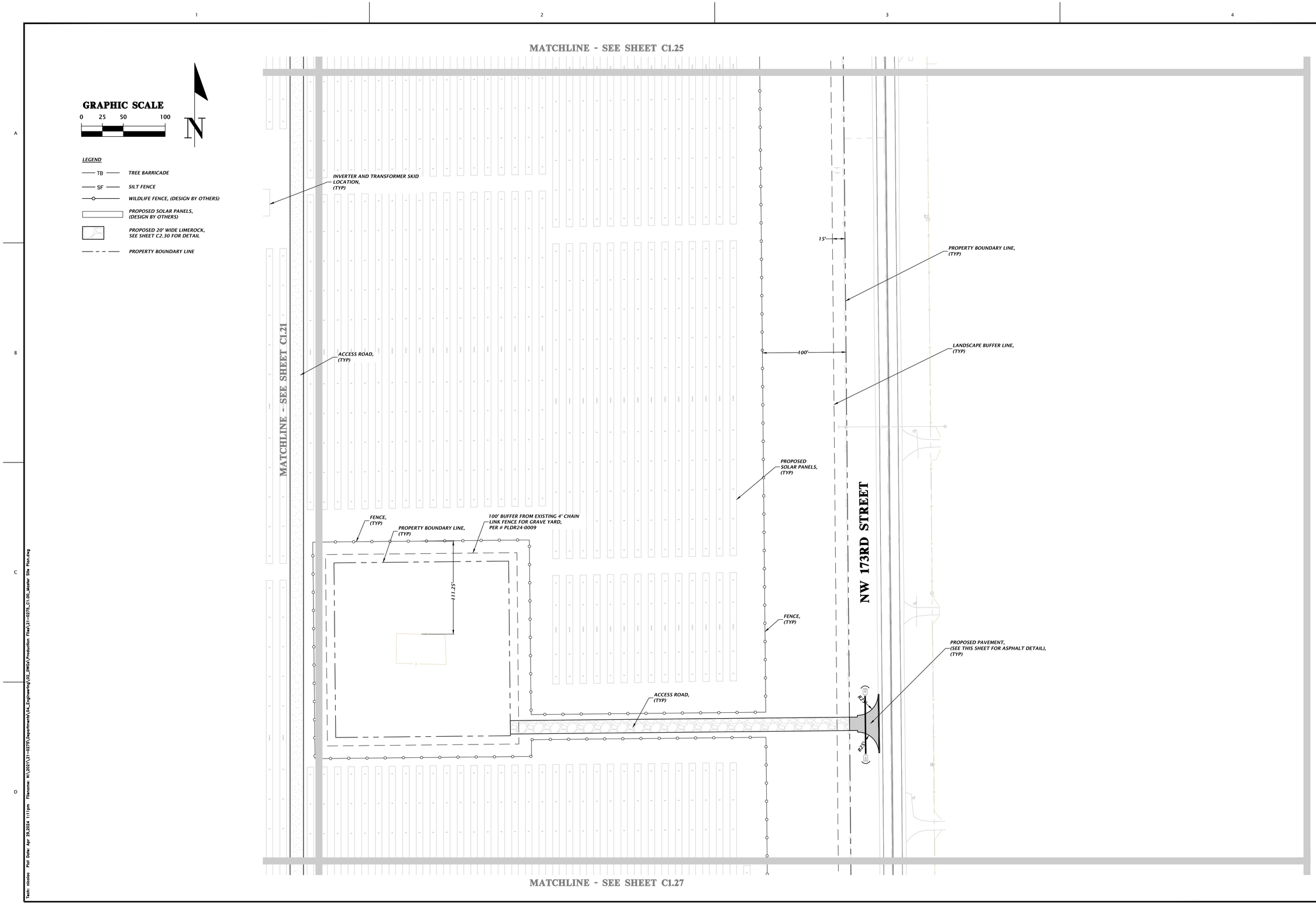
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C1.25

Tech: nicolas Plot Date: Apr 29,2024 1:08pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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CONSTRUCTION/BID REVISIONS:

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05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER
FL PE No. 84295

SHEET NO.: C1.26

Tech: nicolas Plot Date: Apr 29,2024 1:11pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg

GRAPHIC SCALE

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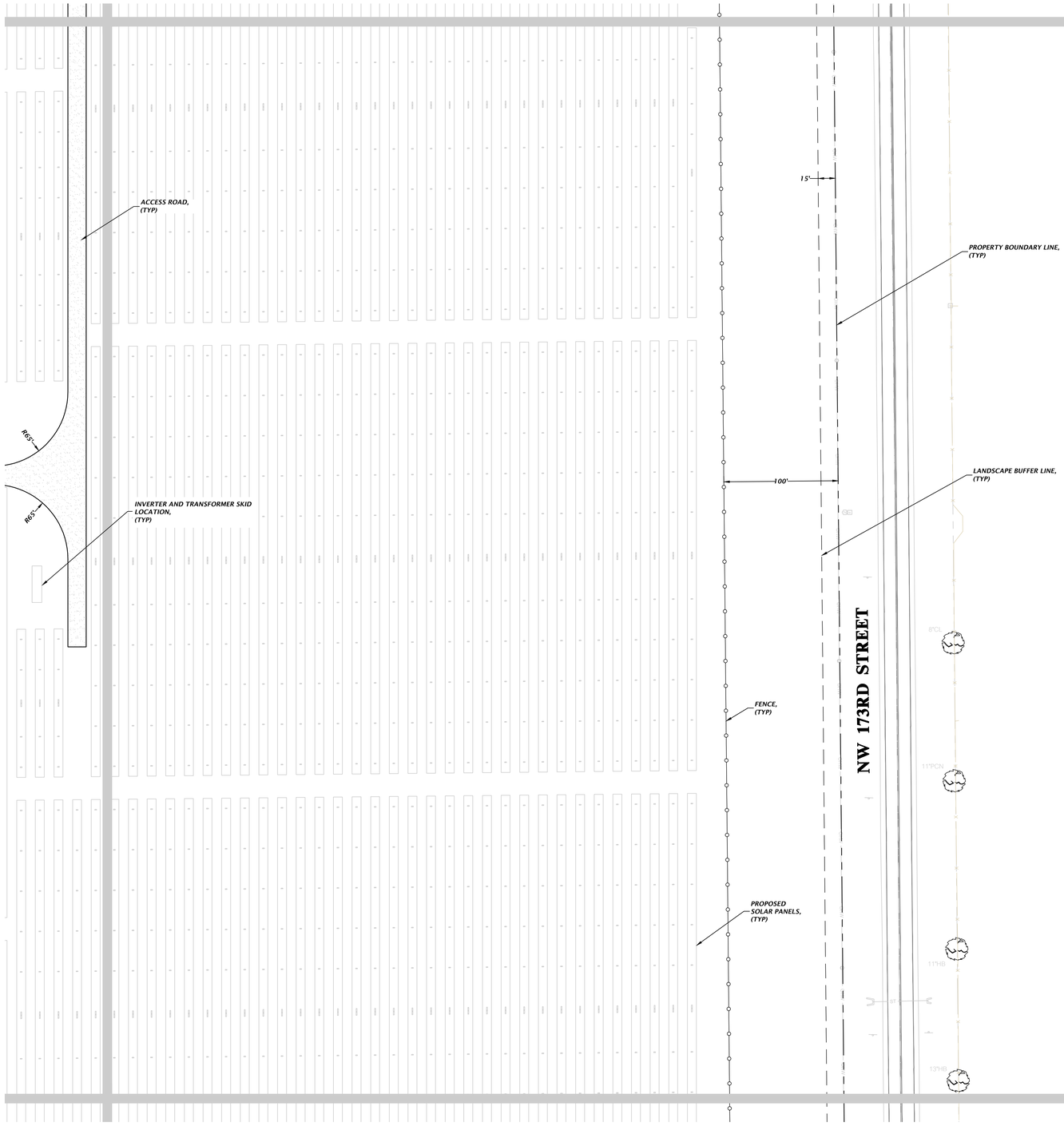
LEGEND

- TB — *TREE BARRICADE*
- SF — *SILT FENCE*
- *WILDLIFE FENCE, (DESIGN BY OTHERS)*
- *PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)*
- *PROPOSED 20' WIDE LIMEROCK, SEE SHEET C2.30 FOR DETAIL*
- *PROPERTY BOUNDARY LINE*

MATCHLINE - SEE SHEET C1.26

MATCHLINE - SEE SHEET C1.20



MATCHLINE - SEE SHEET C1.28

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CONSTRUCTION/BID REVISIONS:

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09/01/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

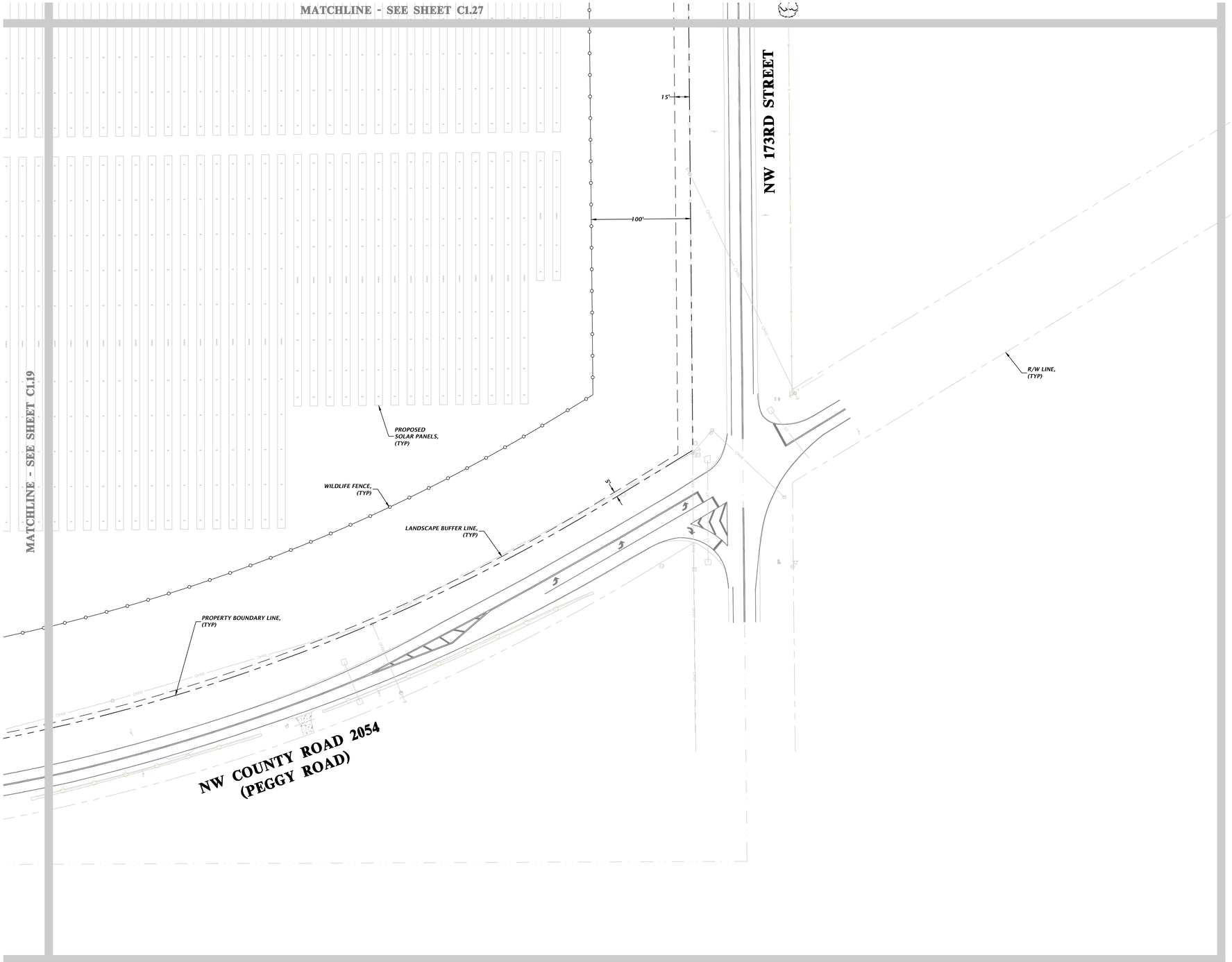
PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. CHAPP
PROJECT CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.: C1.27



GRAPHIC SCALE

0 25 50 100

N

LEGEND

- TB — TREE BARRICADE
- SF — SILT FENCE
- WILDLIFE FENCE, (DESIGN BY OTHERS)
- PROPOSED SOLAR PANELS, (DESIGN BY OTHERS)
- PROPOSED 20' WIDE LIMEROCK, SEE SHEET C2.30 FOR DETAIL
- PROPERTY BOUNDARY LINE

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03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

TECHNICIAN: J. THOMAS

DESIGNER: N. COWAP

QUALITY CONTROL: T. HASTAY

PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21, 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C1.28

Tech: nicolao Plot Date: Apr 29,2024 1:13pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C1.00_Master Site Plan.dwg



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12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: MASTER GRADING AND DRAINAGE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C2.00

Tech: nicolac Plot Date: May 07,2024 7:13am Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C2.00_Detailed Grading and Drainage Plan.dwg



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SCALE: 1"=100'

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED GRADING AND DRAINAGE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

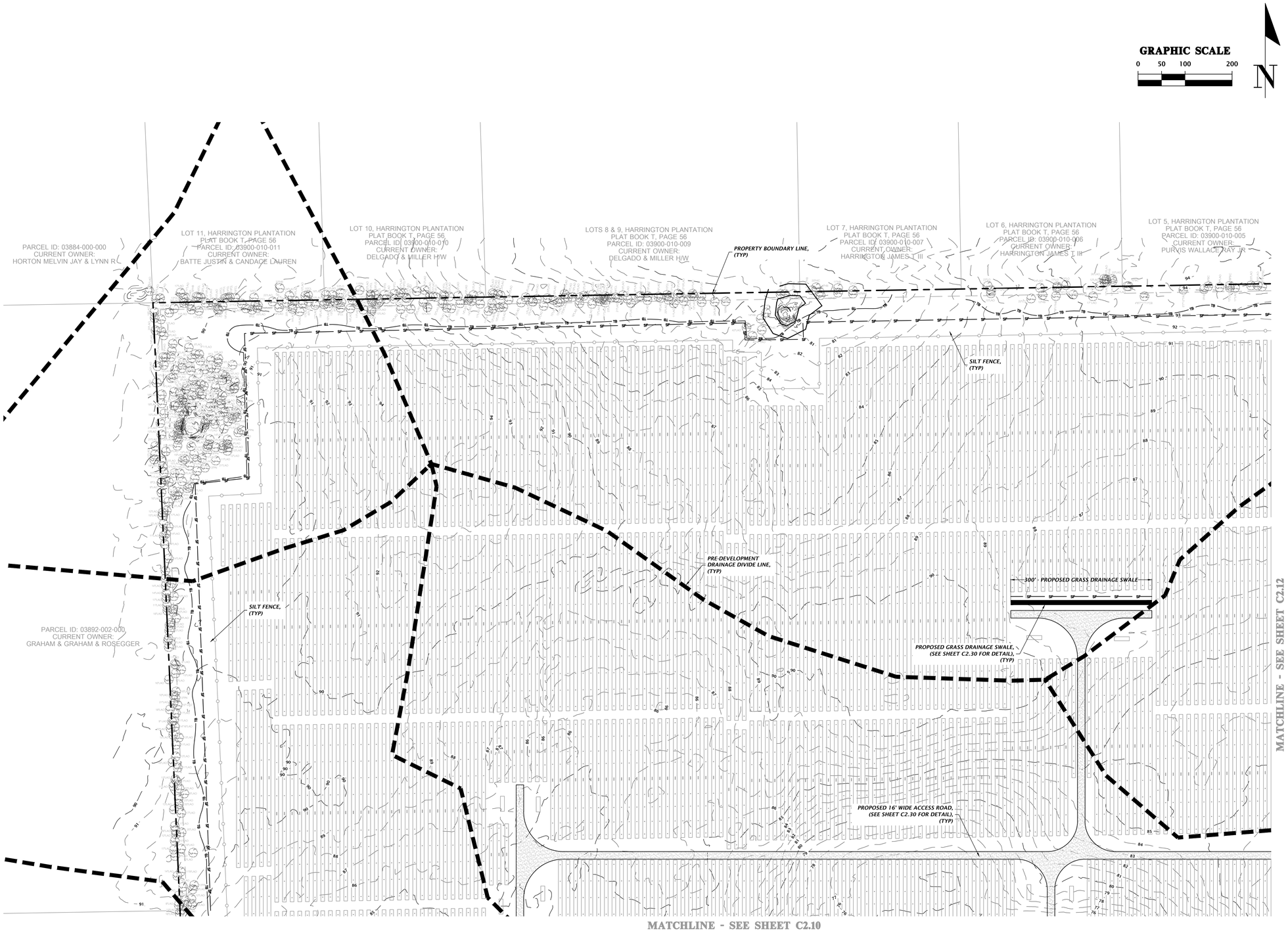
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE No. 84295

SHEET NO.: C2.10

Tech: nicolac Plot Date: Apr 29,2024 1:22pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C2.00_Detailed Grading and Drainage Plan.dwg



SOLARIANT

11801 Research Drive
Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA CA-5075

CHW Professional Consultants

SCALE: 1"=100'

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TECHNICIAN: J. THOMAS
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QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

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TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C2.11

Tech: nicolas Plot Date: Apr 29,2024 1:25pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C2.00_Detailed Grading and Drainage Plan.dwg

GRAPHIC SCALE
0 50 100 200

N

MATCHLINE - SEE SHEET C2.14

LOT 4, HARRINGTON PLANTATION
PLAT BOOK T, PAGE 56
PARCEL ID: 03900-010-004
CURRENT OWNER:
PURVIS CHARLES GLENN

LOT 2, THOMAS MIESCH REPLAT
PLAT BOOK 38, PAGE 39
PARCEL ID: 03900-010-002
CURRENT OWNER:
MIESCH THOMAS C
& BARBARA A

PRE-DEVELOPMENT
DRAINAGE DIVIDE LINE,
(TYP)

PROPOSED 16' WIDE ACCESS ROAD,
(SEE SHEET C2.30 FOR DETAIL),
(TYP)

NW 173RD STREET

MATCHLINE - SEE SHEET C2.11

MATCHLINE - SEE SHEET C2.10

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THIS SHEET ADJUST
SCALES ACCORDINGLY.

0 1"

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05/02/24 CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT
PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: DETAILED GRADING AND DRAINAGE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: M. CONWAY
QA/QC: T. HASTAY
PROJECT MANAGER: TRAVIS J. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.: C2.12

Tech: nlister Plot Date: Apr 29,2024 - 1:35pm Filename: H:\2021\21-0275\Department's\QA_Engineering\QA_DWGs\Production Files\21-0275_C2.00_Detailed Grading and Drainage Plan.dwg

GRAPHIC SCALE
0 50 100 200

N

MATCHLINE - SEE SHEET C2.12

MATCHLINE - SEE SHEET C2.10

PROPOSED 16' WIDE ACCESS ROAD, (SEE SHEET C2.30 FOR DETAIL), (TYP)

PROPOSED 16' WIDE ACCESS ROAD, (SEE SHEET C2.30 FOR DETAIL), (TYP)

PRE-DEVELOPMENT DRAINAGE DIVIDE LINE, (TYP)

EXISTING DRAINAGE CROSS DRAIN, (TO REMAIN AND PROTECTED)

EXISTING DRAINAGE CROSS DRAIN, (TO REMAIN AND PROTECTED)

EXISTING DRAINAGE CROSS DRAIN, (TO REMAIN AND PROTECTED)

SILT FENCE, (TYP)

NW 173RD STREET

NW COUNTY ROAD 2054
(PEGGY ROAD)

Tech: nicolas Plot Date: Apr 29,2024 1:27pm Filename: N:\2021\21-0275\Department\04_Engineering\02_DWGs\Production Files\21-0275_02.00_Detailed Grading and Drainage Plan.dwg

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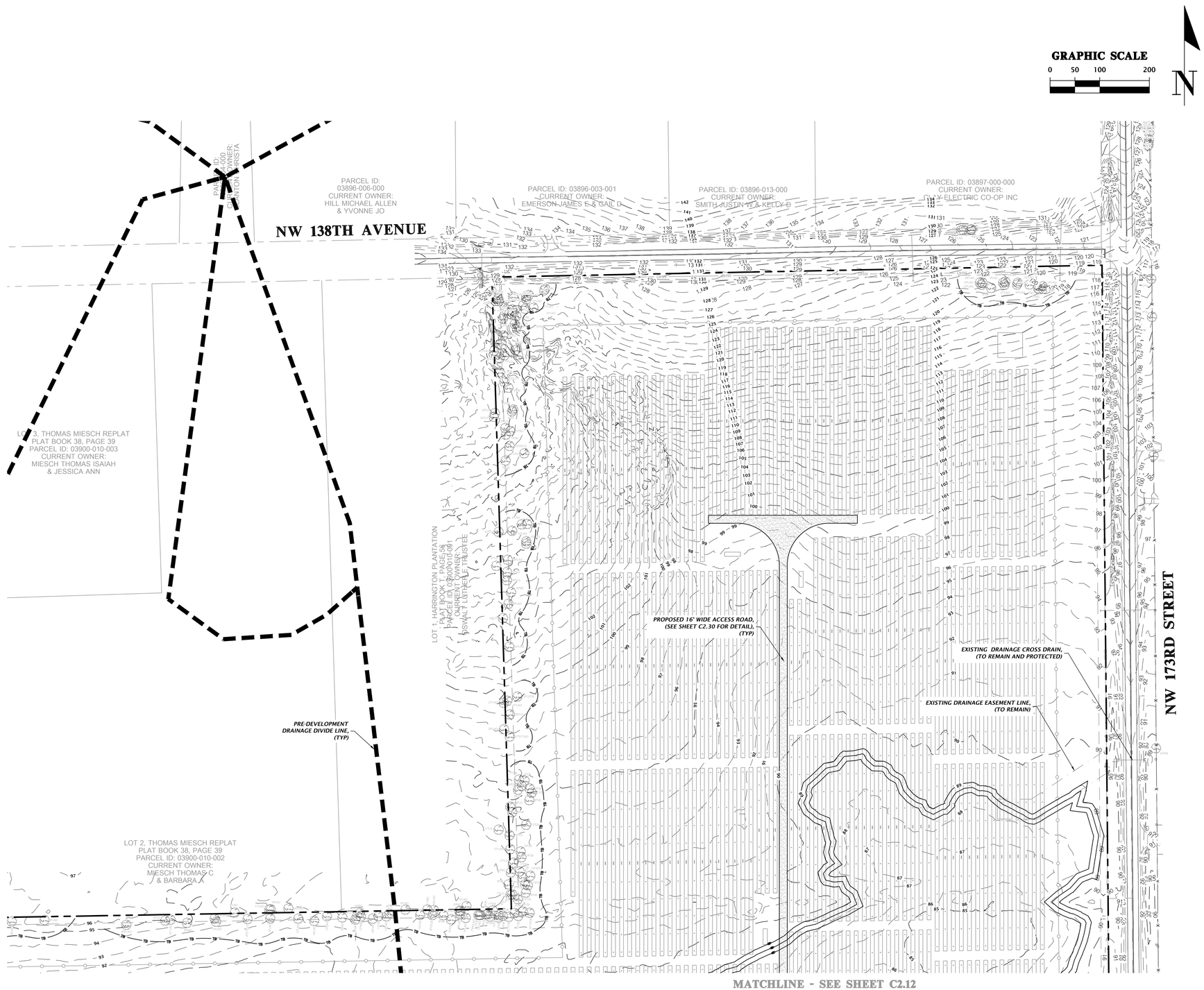
CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: DETAILED GRADING AND DRAINAGE PLAN

TECHNICIAN: J. THOMAS
DESIGNER: C. CRAPP
PROJECT CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.
C2.13



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CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

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TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

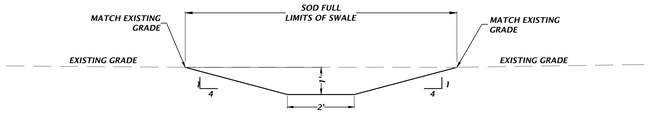
TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024

FL PE No. 84295

SHEET NO.: C2.14

Tech: nicolas Plot Date: Apr 29,2024 1:39pm Filename: N:\2021\21-0275\Departments\04_Engineering\02_DWGs\Production Files\21-0275_C2.00_Detailed Grading and Drainage Plan.dwg



TYPICAL GRASS SWALE DETAIL

NTS

NOTE: REFER TO C2.00 SERIES SHEETS FOR LENGTH AND LOCATION.

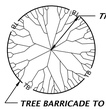
NOTE:

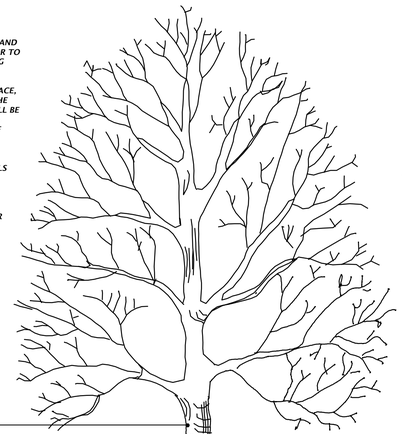
1. TREE BARRICADES MUST BE INSPECTED AND APPROVED BY THE CITY OF ALACHUA PRIOR TO ANY CLEARING, DEMOLITION, OR GRUBBING WORK BEGINS.

2. TREE BARRICADES SHALL REMAIN IN-PLACE, AND IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. BARRICADES SHALL BE REMOVED ONCE MAJOR CONSTRUCTION IS COMPLETE AND PRIOR TO COMPLETION OF LANDSCAPE INSTALLATION.

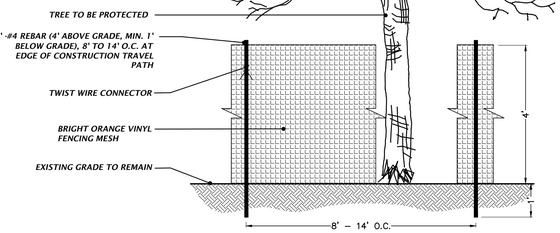
3. NO CONSTRUCTION EQUIPMENT, MATERIALS, SUPPLIES, FUELS OR CHEMICALS SHALL BE STORED WITHIN THE TREE BARRICADE LIMITS.

4. HERITAGE TREES (GREATER THAN 20" DIAMETER) ARE TO BE ENCLOSED TO THEIR ENTIRE DRIPLINE WHERE POSSIBLE.



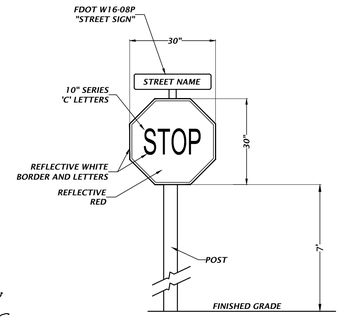


REGULATED TREE PLAN VIEW



TREE BARRICADE STAKING

NTS



MUTCD R1-1 (30"x30") STOP SIGN DETAIL

NTS

BASIN OPERATION AND MAINTENACE REQUIREMENTS

SURFACEWATER MANAGEMENT FACILITIES (SMF'S)

ALL SMF'S PERMITTED BY THE DISTRICT SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE DESIGNS, PLANS CALCULATIONS, AND OTHER SPECIFICATIONS THAT ARE SUBMITTED WITH AN APPLICATION, APPROVED BY THE DISTRICT, AND INCORPORATED BY REFERENCE INTO ANY PERMIT ISSUED. SMF'S SHALL BE KEPT FREE OF DEBRIS, TRASH, GARBAGE, OILS AND GREASES, AND OTHER REFUSE THROUGH REGULAR INSPECTION AND MAINTENANCE BY THE PERMITTEE.

EROSION CONTROL

THE SYSTEM SHALL BE REGULARLY INSPECTED AND MAINTAINED BY THE PERMITTEE TO INSURE THAT ALL EROSION IS CONTROLLED AND SOIL IS STABILIZED TO PREVENT SEDIMENT DISCHARGE TO WATERS IN THE STATE. ANY VEGETATION ESTABLISHED FOR EROSION CONTROL SHALL BE PROPERLY MAINTAINED FOR FUNCTION.

CULVERTS, PIPES AND STRUCTURES

ALL STRUCTURES WITHIN THE SYSTEM SHALL BE REGULARLY INSPECTED AND MAINTAINED ON A REGULAR BASIS BY THE PERMITTEE TO INSURE THAT THEY DO NOT BECOME CLOGGED OR CHOKED WITH VEGETATIVE OR AQUATIC GROWTH TO SUCH AN EXTENT AS TO RENDER THEM INOPERABLE.

MAINTENANCE

THE BASIN SHALL BE REGULARLY MOWED TO AVOID EXCESSIVE VEGETATION GROWTH. THE MOWING RATE SHALL BE AT A MINIMUM OF 12 TIMES PER YEAR, WITH MORE FREQUENT MOWING IN THE SUMMER MONTHS. BASIN SIDE SLOPES SHALL INITIALLY BE SODDED AND THE SOD MAINTAINED.

FUNCTION

BASINS THAT DO NOT DRAWDOWN PROPERLY AND MAINTAIN STANDING WATER FOR AN EXTENDED PERIOD OF TIME MAY REQUIRE REMEDIAL ACTION. THE ENGINEER SHALL BE NOTIFIED TO HELP COORDINATE REMEDIAL ACTION IN THE EVENT IMPROPER RECOVERY IS NOTED.

LIMEROCK/SINKHOLE

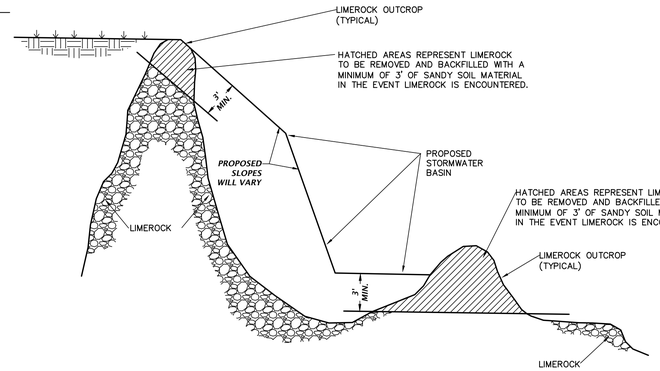
IF A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED DURING EXCAVATION OF THE SWALES/BASIN OR IF A SINKHOLE FORMS IN THE AREA OF A DRAINAGE SWALE/BASIN THE ENGINEER OF RECORD SHALL BE NOTIFIED BY EITHER THE CONTRACTOR OR THE ESTABLISHED OPERATION AND MAINTENANCE ENTITY. THE ENGINEER OF RECORD SHALL INSPECT THE REPAIRED AREA UPON COMPLETION OF THE REPAIR.

WHERE A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED DURING EXCAVATION OF THE SWALES/BASINS, THE LIMEROCK SHALL BE OVER EXCAVATED BY 3 FEET ,AN APPROVED GEO TEXTILE FABRIC SHALL BE PLACED IN THE EXCAVATION AND BACKFILLED WITH SANDY SOILS IN A LOOSE CONDITION.

ALL SWALES/BASINS SHALL BE INSPECTED MONTHLY FOR SINKHOLE OCCURRENCE. SHOULD A SINKHOLE OCCUR, THE AREA SHALL BE REPAIRED AS SOON AS POSSIBLE. REPAIR SHALL INCLUDE FILLING (LIMEROCK SUCH AS ROAD BASE MATERIAL, CLAY/SAND MIXTURE, OR CONCRETE IF NECESSARY). A 3-FOOT DEEP CAP THAT EXTENDS 3 FEET BEYOND THE PERIMETER OF THE SINKHOLE SHALL BE CONSTRUCTED WITH CLAYEY SOILS. THE CLAYEY SOIL SHALL HAVE AT LEAST 20% PASSING THE NO. 200 SIEVE, COMPACTED TO 95% OF STANDARD PROCTOR, AND COMPACTED IN A WET CONDITION WITH MOISTURE 2% - 4% ABOVE OPTIMUM. THE CLAY SOIL CAP SHALL BE RE-GRADED TO PREVENT CONCENTRATION OF WATERS (PONDING) AND RE-VEGETATED.

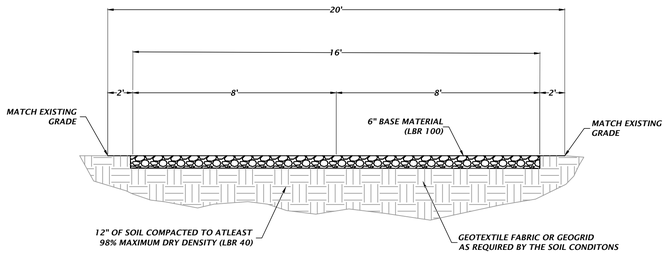
OPERATION & MAINTENANCE ENTITY

PLEASANT SOLAR, LLC



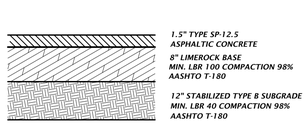
LIMEROCK OUTCROP REMOVAL DETAIL

NTS



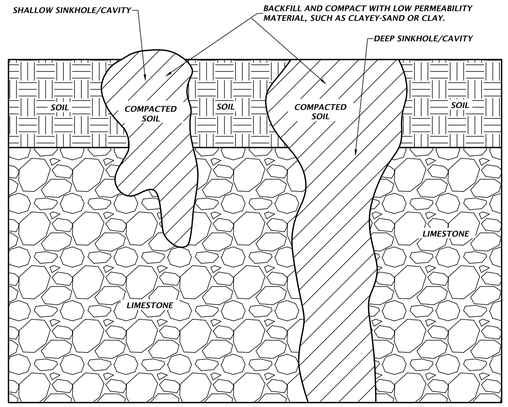
16' WIDE ACCESS ROAD WITH 2' ADDITIONAL CLEAR ON BOTH SIDES DETAIL

NTS



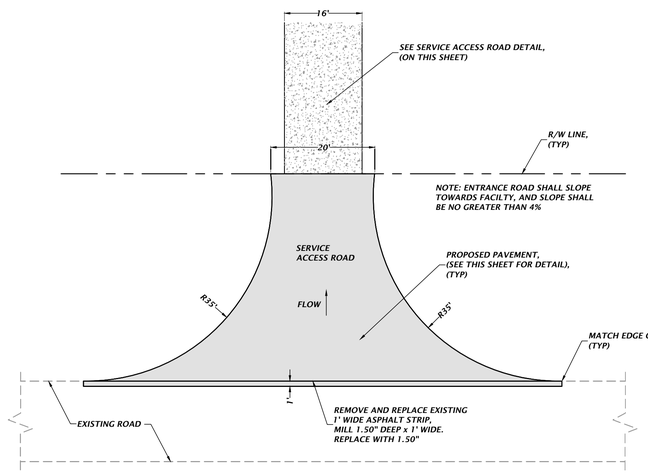
COUNTY R/W ASPHALT DETAIL

NTS



SHALLOW AND DEEP SINKHOLE/CAVITY MAINTENANCE REPAIR DETAIL

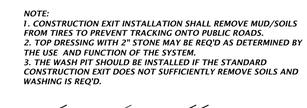
NTS



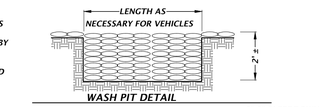
SITE ENTRANCE DETAIL

NTS

NOTE:
1. CONSTRUCTION EXIT INSTALLATION SHALL REMOVE MUD/SOILS FROM TIRES TO PREVENT TRACKING ONTO PUBLIC ROADS.
2. TOP DRESSING WITH 2" STONE MAY BE REQ'D AS DETERMINED BY THE USE AND FUNCTION OF THE SYSTEM.
3. THE WASH PIT SHOULD BE INSTALLED IF THE STANDARD CONSTRUCTION EXIT DOES NOT SUFFICIENTLY REMOVE SOILS AND WASHING IS REQ'D.



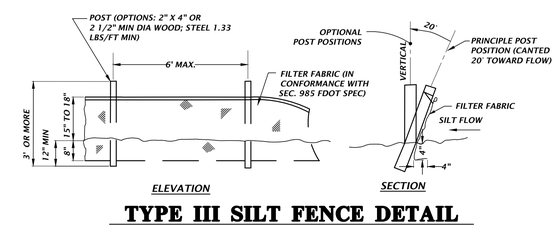
STANDARD CONSTRUCTION EXIT



CONSTRUCTION EXIT WITH WASH PIT

TEMPORARY CONSTRUCTION EXIT DETAIL

NTS



TYPE III SILT FENCE DETAIL

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CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: CONSTRUCTION DETAILS

TECHNICIAN: J. THOMAS
DESIGNER: N. CUTCHSHAW
REVIEWER: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
License No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 2024
FL PE No. 84295

SHEET NO.: C2.30

Texts: Holster Plot Date: Apr 29,2024 1:48pm Filename: N:\2021\21-0275\Department\04_Engineering\03_DWG\Production Files\21-0275_C2.30_Construction Details.dwg



645~665W	0~+5W	21.4%	≤ 2.0%	≤ 0.45%
POWER RANGE	POWER SORTING	MAX. MODULE EFFICIENCY	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION

Electrical Specifications

STC: Irradiance 1000W/m², Cell Temperature 25° C, AM=1.5

Rated output (Pmpp / Wp)	645	650	655	660	665
Rated voltage (Vmpp / V)	37.48	37.68	37.88	38.08	38.28
Rated current (Impp /A)	17.21	17.26	17.30	17.34	17.38
Open circuit voltage (Voc / V)	45.29	45.49	45.69	45.89	46.09
Short circuit current (Isc /A)	18.27	18.32	18.37	18.42	18.47
Module efficiency	20.8%	20.9%	21.1%	21.2%	21.4%

NMOT: Irradiance 800W/m², Ambient Temperature 20° C, AM=1.5, Wind Speed 1m/s

Rated output (Pmpp / Wp)	485.8	489.5	493.3	497.1	500.8
Rated voltage (Vmpp / V)	35.03	35.19	35.34	35.47	35.60
Rated current (Impp /A)	13.87	13.92	13.97	14.02	14.07
Open circuit voltage (Voc / V)	42.43	42.63	42.83	43.03	43.23
Short circuit current (Isc /A)	14.72	14.77	14.82	14.87	14.92

Electrical Specifications (Integrated power)

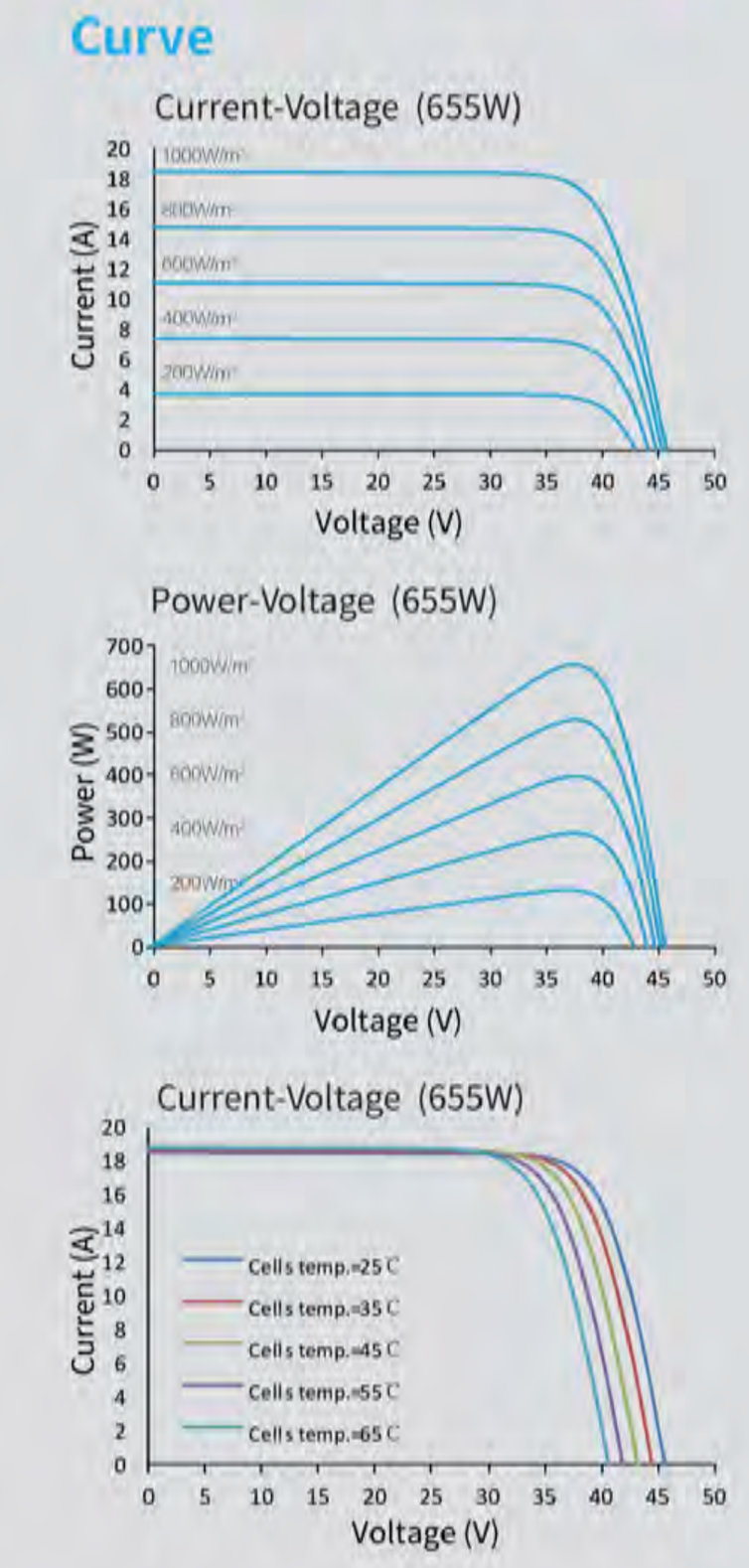
Pmpp gain	Pmpp / Wp	Vmpp / V	Impp /A	Voc / V	Isc /A
5%	687	37.88	18.17	45.69	19.29
10%	720	37.88	19.03	45.69	20.21
15%	753	37.89	19.90	45.70	21.13
20%	786	37.89	20.76	45.70	22.04
25%	818	37.89	21.63	45.70	22.96

Electrical characteristics with different rear power gain (reference to 655W)

Temperature Ratings (STC) / Operating Parameters

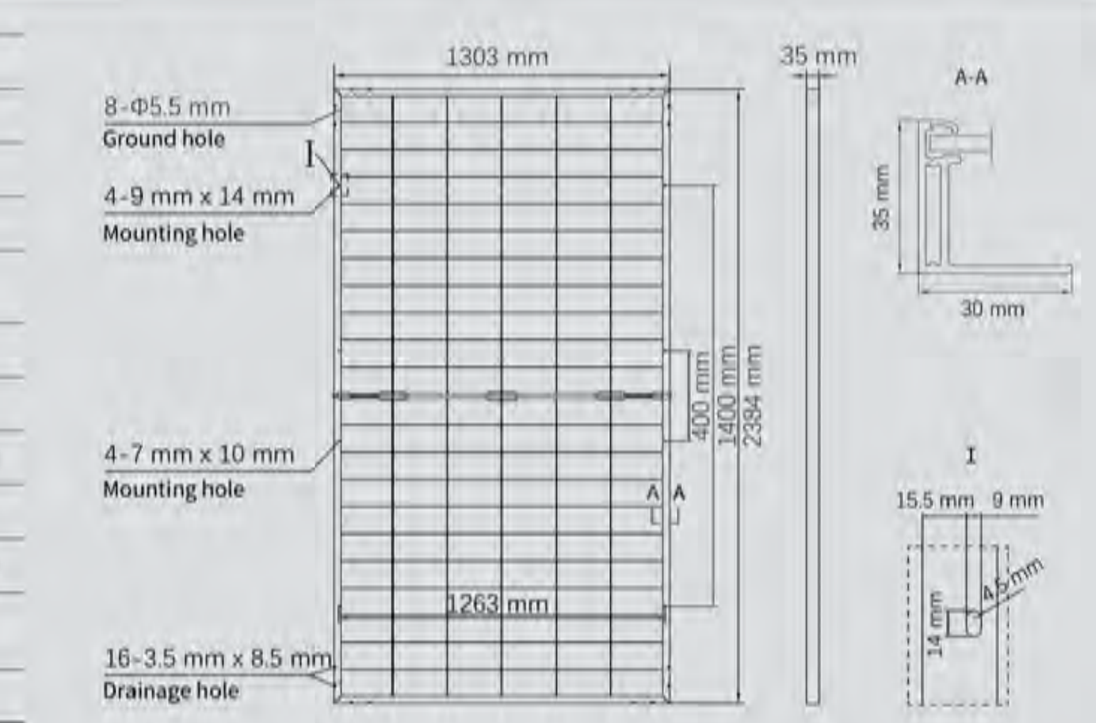
Temperature coefficient (Pmpp)	-0.34%/°C	No. of diodes	3
Temperature coefficient (Isc)	+0.04%/°C	Junction box IP rating	IP 68
Temperature coefficient (Voc)	-0.25%/°C	Max. series fuse rating	35 A
Nominal module operating temperature (NMOT)	41±2°C	Max. system voltage (IEC/UL)	1500V$_{DC}$

Curve



Mechanical Specifications

Outer dimensions (L x W x H)	2384 x 1303 x 35 mm
Cell type	P type mono-crystalline
No. of cells	132 (6*22)
Frame technology	Aluminum, silver anodized
Front / Back glass	2.0+2.0 mm
Cable length (Including connector)	Portrait: (+)410 mm,(-)250 mm; Customized length
Cable diameter (IEC/UL)	4 mm² / 12 AWG
① Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Connector type (IEC/UL)	HCB40 (Standard) / MC4-EVO2A (Optional)
Module weight	38 kg
Packing unit	31 pcs / box (Subject to sales contract)
Weight of packing unit (for 40'HQ container)	1227 kg
Modules per 40' HQ container	496 pcs



① Refer to Astronergy crystalline installation manual or contact technical department. Maximum Mechanical Test Load=1.5× Maximum Mechanical Design Load.

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202211

NOTE:
SOLAR PANEL INFORMATION SHOWN FOR COORDINATION PURPOSES ONLY



Our most amazing tracker yet.

In our mission to make solar a mainstream energy source, NEXTracker has engineered the most intelligent and flexible tracking technology yet. Using sustainable design methods with outcomes that benefit people and the planet, we bring you: NX Horizon™.

NX Horizon (formerly referred to as the Self-Powered Tracker or SPT), brings self-contained motor power to each row, eliminating power wiring and trenching. Our advanced horizontal tracker ihas the widest rotational range available, lowest O&M costs, and requires far less power to operate than other trackers. By offering more powerful systems at a greater value, NEXTracker enables greater deployment of renewable energy worldwide.

NX Horizon key features and benefits include:

– Self-powered system with smart performance communications: Self-contained units on each row include a dedicated PV panel toprovide power to the controller which drives themotor and hosts intelligent control electronics to position each tracker. With smart communications built in, NX Horizon systems can be accessed remotely, providing customers with a granular view to optimize tracker performance, operations and maintenance.

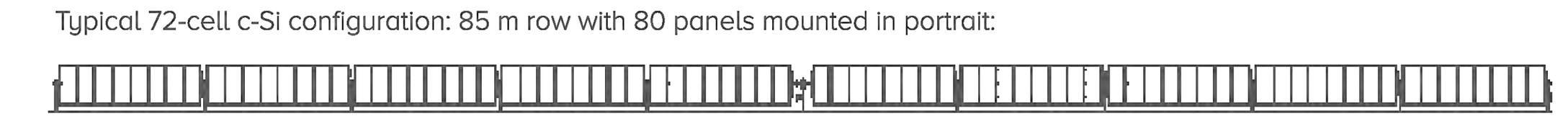
– Independent balanced rows with 120 degree rotational range: Each NX Horizon row has its own controlled motor with rotational range that delivers up to 2% more energy than typical linked row trackers. These agile, independent rows stow in less than 90 seconds to reduce wind forces on the array, protecting the PV modules in harsh environments. NX Horizon solar trackers also have a mechanically balanced row design that align PV panels with the tracker's axis of rotation – which greatly reduces row torque, using less energy from the motor to track throughout the day.

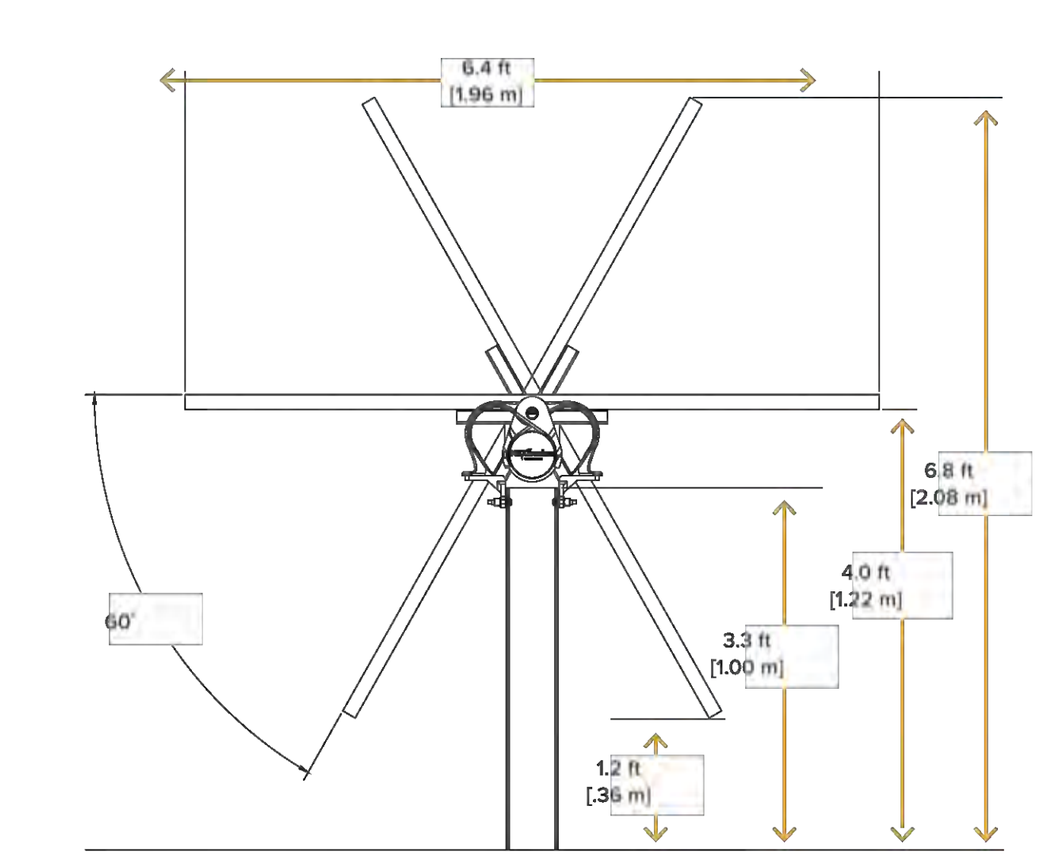
– Self-grounded system with theft-proof fasteners: NX Horizon is the world's first horizontal tracker with an entirely self-grounded design. This means no separate bonding hardware is required. You save on material and associated costs by eliminating grounding washers, braided straps, bare copper wire, and grounding rods. What's more, we've designed our own fasteners that can only be removed with special tools – deterring PV theft.

NX Horizon Specifications

Tracking Technology	Horizontal single-axis balanced-mass tracker with independently-driven rows
Tracking Range	Up to 120° (± 60°)
Control System	1 Self-Powered Controller (SPC) per tracker; 1 Network Control Unit (NCU) per 100 SPCs
Communications	Wireless ZigBee® mesh network/SCADA; no communication wiring required
Drive System	One slew gear, 24 VDC motor and self-powered controller w/dedicated solar panel per row
DC Capacity	23-35kWp per tracker row, depending on panel type. Row length up to 90 panels.
System Voltage	1,500 volt or 1,500 volt
Power Consumption	No grid power required
Ground Coverage Ratio	Fully configurable by customer; typical range 33%-50%
Installation Method	Rapid field assembly, no welding required
Foundation Types	Compatible with all major foundation types (driven pier, concrete foundation, ground screw)
Standard Wind Design	100 mph/161 kph, 3 second gust per ASCE7-10; configurable for higher wind speeds
Safety Stowing	Automated wind and snow stowing with self-contained backup power; no external power required
Torsional Limiter	Included at each foundation/bearing for additional wind and snow load protection
Principal Materials	Galvanized and stainless steel
Grounding Method	Self-grounding structure; separate materials and labor not required
Compliance	Grounding/bonding: UL2703; structural design: ASCE7-10
Other Available Options	Snow and flood sensors
Warranty	10 years on structural components; 5 years on drive and control systems
Typical Dimensions	Height 2.1 m/6.8 ft (@ 60°), Width 2.0 m/6.4 ft, Length 85 m/283 ft

Typical 72-cell c-Si configuration: 85 m row with 80 panels mounted in portrait:





NEXTracker
6200 Paseo Padre Parkway
Fremont, CA 94555 USA
+1 510 270 2500
nextracker.com

printed on post-consumer waste paper

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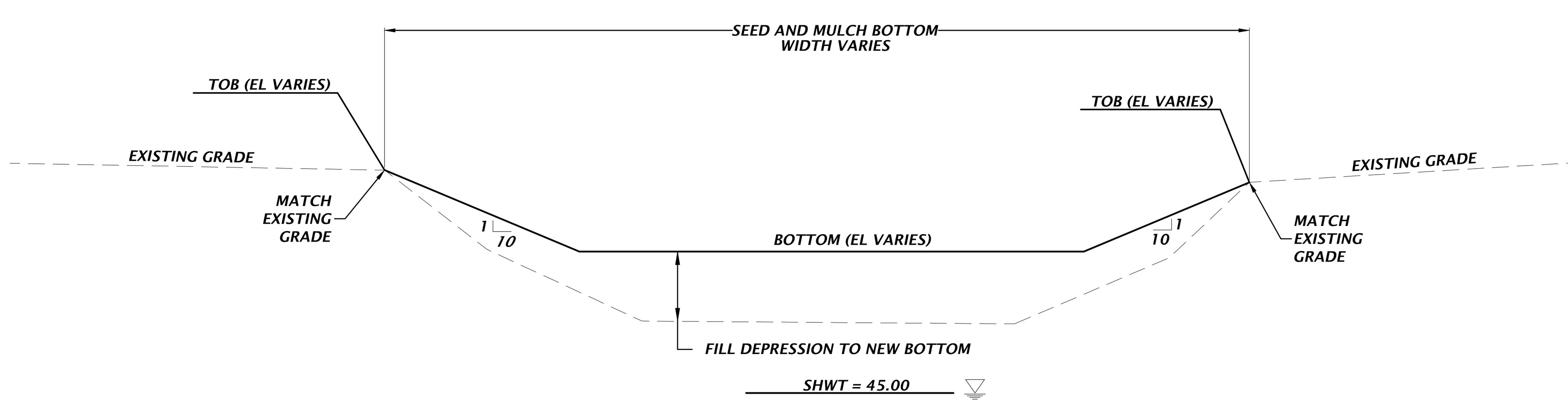
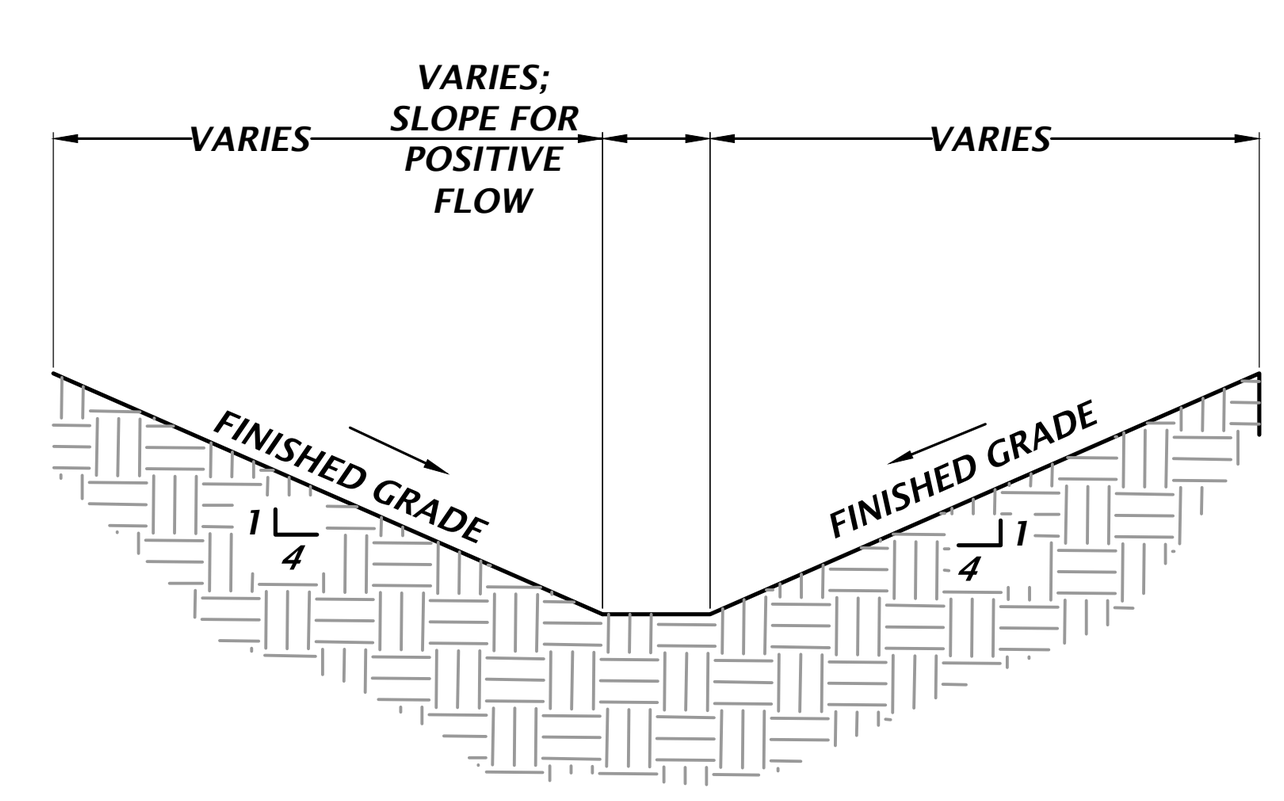
MKT-000037 Rev. C



TYPICAL SECTION FOR REGRADED DEPRESSIONS

NTS



TYPICAL SWALE SECTION

NTS

SOLARIANT

CHW Professional Consultants
11801 Research Drive
Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA CA-5075

SCALE: N/A
VERIFY SCALE: BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
08/31/23 - CITY OF ALACHUA AND SRWMD
09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: CONSTRUCTION DETAILS

TECHNICIAN: J. THOMAS
DESIGNER: N. COWAP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER
FL PE No. 84295

SHEET NO.: C2.31

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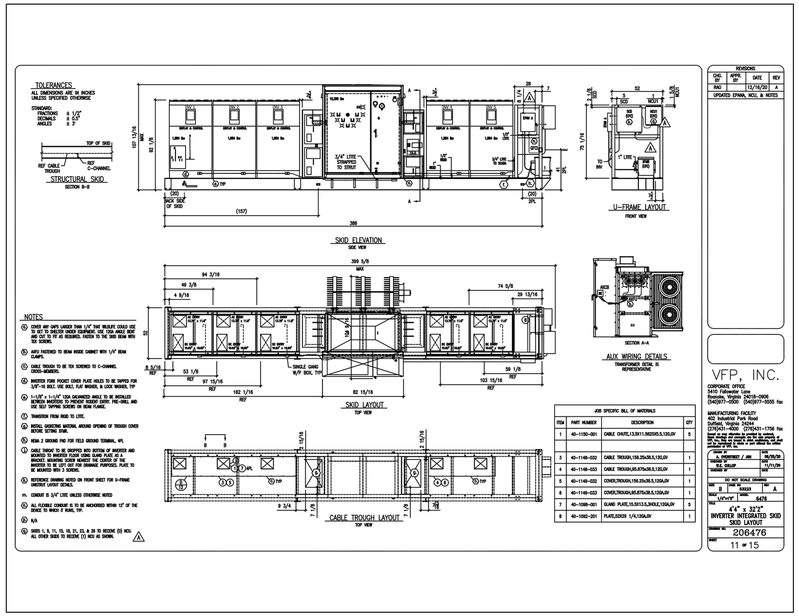

SOLARIANT
11801 Research Drive
Alachua, FL 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA CA-575
CHW
Professional Consultants

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0 1"
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CONSTRUCTION/BID REVISIONS:

TECHNICIAN: J. THOMAS
DESIGNER: N. CHAPP
QUALITY CONTROL: T. HASTAY
PROJECT NUMBER: 21-0275

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC
PROJECT: PLEASANT SOLAR LLC
SHEET TITLE: CONSTRUCTION DETAILS

SUBMITTALS:
06/21/23 - CITY OF ALACHUA AND SRWMD
09/11/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

TRAVIS J. HASTAY
TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 2024
FL PE No. 84295

SHEET NO.
C2.32

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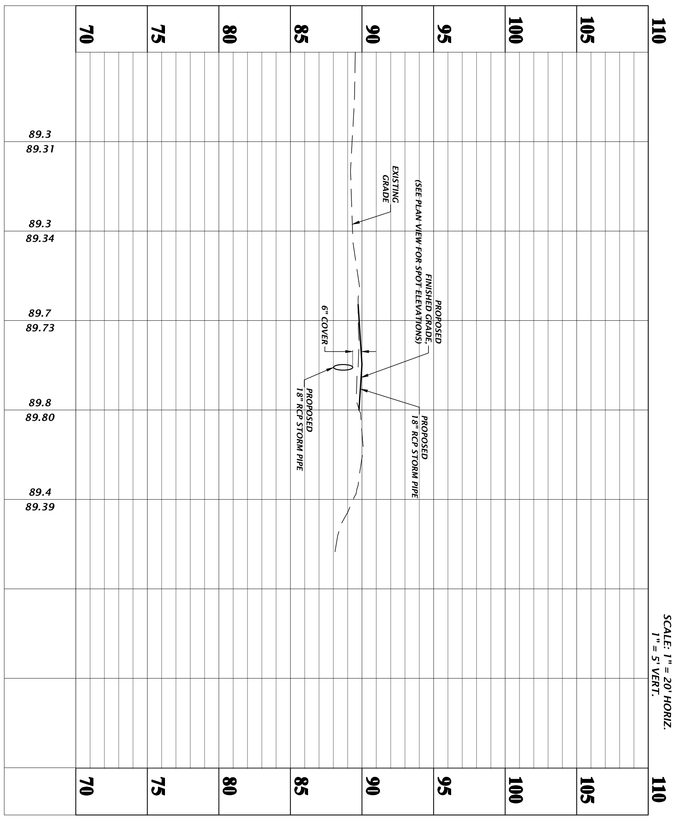

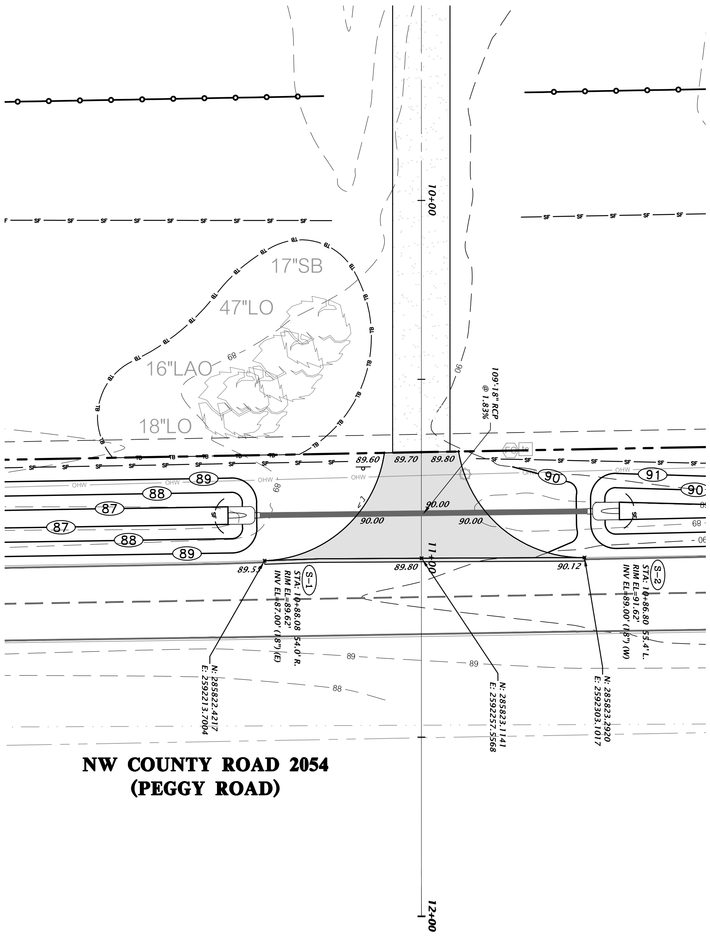

NW COUNTY ROAD 2054
(PEGGY ROAD)

GRAPHIC SCALE
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SHEET NO. C4.00	FL PE No. 84295	TECHNICIAN: J. THOMAS	CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC	SUBMITTALS: 08/31/23 - CITY OF ALACHUA AND SRWMD 09/13/23 - CITY OF ALACHUA AND SRWMD 12/21/23 - CITY OF ALACHUA 03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP 05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY	CONSTRUCTION/BID REVISIONS:
		DESIGNER: N. COWAP	PROJECT: PLEASANT SOLAR LLC		
		QUALITY CONTROL: T. HASTAY	SHEET TITLE: ENTRANCE PLAN AND PROFILE		
		PROJECT NUMBER: 21-0275			

TRAVIS J. HASTAY LICENSE No. 84295 May 21 2024 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1"=20'
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING
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Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA CA-5075

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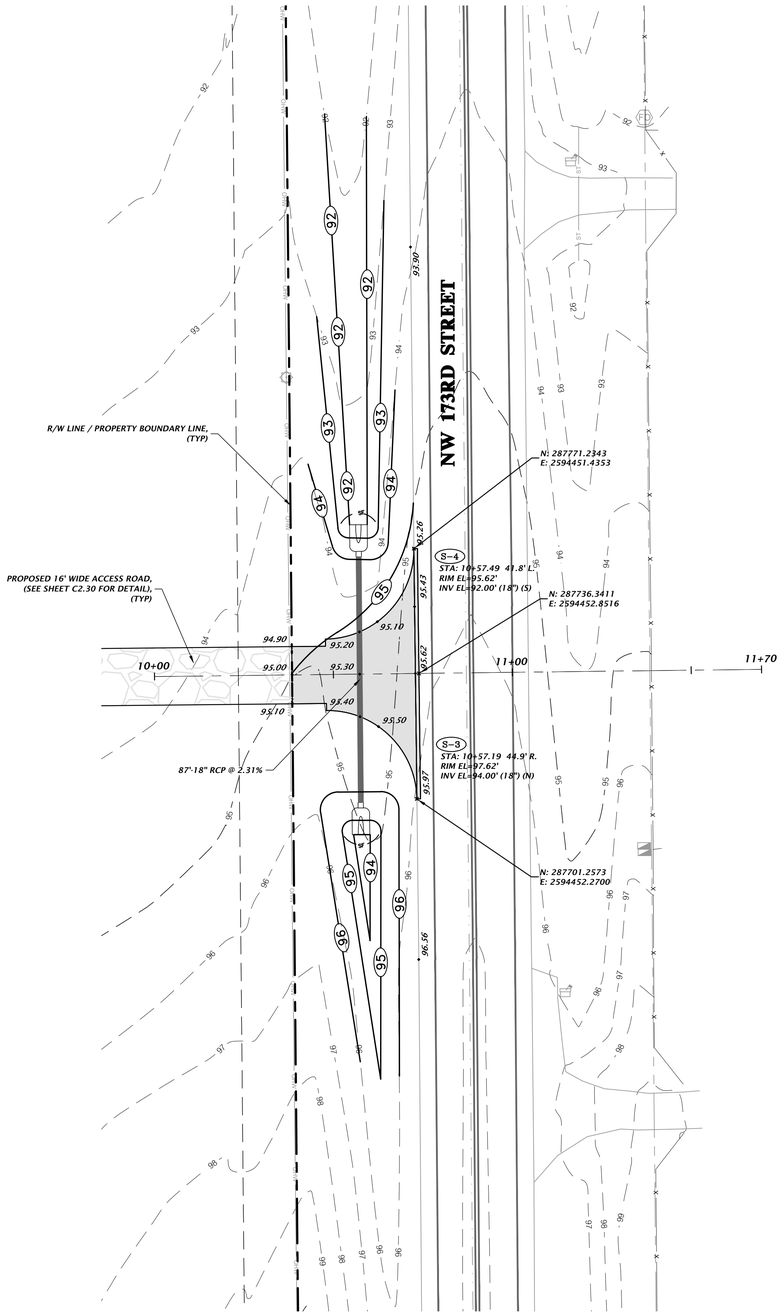

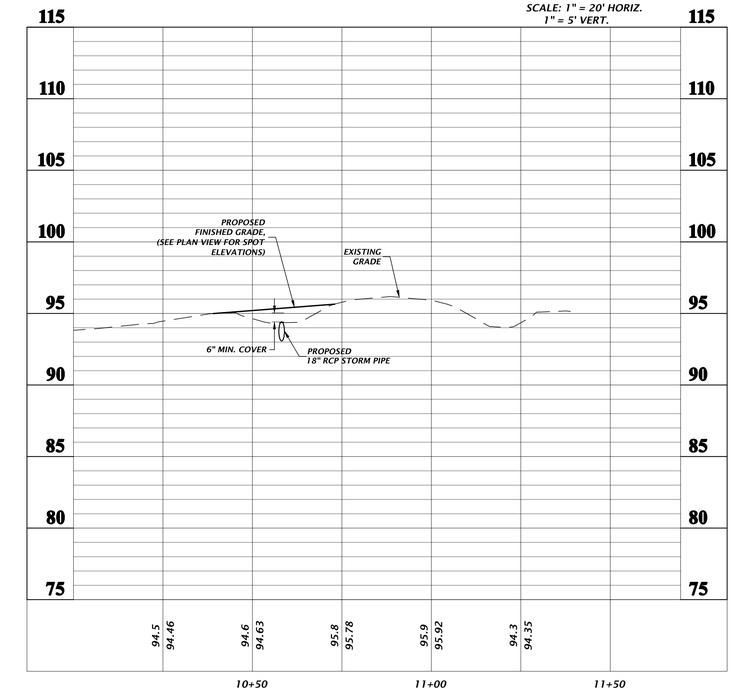

GRAPHIC SCALE

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N

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Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA CA-5075

CHW Professional Consultants

SCALE: 1"=20'

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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09/13/23 - CITY OF ALACHUA AND SRWMD
12/21/23 - CITY OF ALACHUA
03/07/24 - CITY OF ALACHUA, ALACHUA COUNTY, AND FDEP
05/02/24 - CITY OF ALACHUA AND ALACHUA COUNTY

CLIENT: RENEWABLE ENERGY DEVELOPMENT PLEASANT SOLAR LLC

PROJECT: PLEASANT SOLAR LLC

SHEET TITLE: CEMETERY PLAN AND PROFILE

TECHNICIAN: J. THOMAS

DESIGNER: N. COWAP

QUALITY CONTROL: T. HASTAY

PROJECT NUMBER: 21-0275

TRAVIS J. HASTAY

TRAVIS J. HASTAY LICENSE No. 84295 STATE OF FLORIDA PROFESSIONAL ENGINEER May 21 2024

FL PE No. 84295

SHEET NO.: C4.01

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ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

PARCEL 1 DESCRIPTION:
(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

A TRACT OF LAND SITUATED IN THE SOUTH 1/2 OF SECTION 20, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 20 FOR A POINT OF REFERENCE AND RUN N.01°43'30"W., ALONG THE WEST LINE OF SAID SECTION 20, A DISTANCE OF 40.32 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID WEST LINE OF SECTION 20 WITH THE NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054 (80 FOOT RIGHT OF WAY) AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE N.01°43'30"W., ALONG SAID WEST LINE OF SECTION 20, A DISTANCE OF 2547.72 FEET TO A CONCRETE MONUMENT AT THE NORTHWEST CORNER OF THE AFOREMENTIONED SOUTH ½ OF SECTION 20; THENCE RUN N.89°48'16"E., ALONG THE NORTH LINE OF SAID SOUTH 1/2 , A DISTANCE OF 4989.78 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY RIGHT OF WAY LINE OF COUNTY ROAD 235A (100 FOOT RIGHT OF WAY); THENCE RUN S.00°14'05"W., ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 2239.68 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID WESTERLY RIGHT OF WAY LINE WITH THE AFOREMENTIONED NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054; THENCE RUN S.59°24;55"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 100.58 FEET TO A CONCRETE MONUMENT AT THE BEGINNING OF A CURVE CONCAVE NORTHWESTERLY, SAID CURVE HAVING A RADIUS OF 1869.86 FEET; THENCE RUN SOUTHWESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 30°23'36", AN ARC DISTANCE OF 991.89 FEET (CHORD BEARING AND DISTANCE OF S.74°36'43"W., 980.30 FEET RESPECTIVELY) TO A CONCRETE MONUMENT AT THE END OF SAID CURVE; THENCE RUN S.89°48'31"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 2591.89 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTHERLY RIGHT OF WAY LINE WITH THE EAST LINE OF THE WEST ½ OF THE SOUTHWEST ¼ OF SAID SECTION 20; THENCE RUN N.01°58'22"W., ALONG SAID EAST LINE, A DISTANCE OF 243.48 FEET TO A CONCRETE MONUMENT LOCATED 300.00 FEET NORTH OF THE SOUTH LINE OF SAID SECTION 20; THENCE RUN N.89°27'14"W., PARALLEL WITH SAID SOUTH LINE OF SECTION 20, A DISTANCE OF 150.00 FEET; THENCE RUN S.01°58'22"E., PARALLEL WITH SAID EAST LINE, A DISTANCE OF 245.42 FEET TO SAID NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD 2054; THENCE RUN S.89°48'31"W., ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 1096.30 FEET TO A STEEL ROD AND CAP AT THE BEGINNING OF A CURVE CONCAVE NORTHERLY, SAID CURVE HAVING A RADIUS OF 1869.86 FEET; THENCE RUN WESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 01°02'35", AN ARC DISTANCE OF 34.04 FEET (CHORD BEARING AND DISTANCE OF N.89°40'12"W., 34.04 FEET RESPECTIVELY) TO THE TRUE POINT OF BEGINNING, LESS AND EXCEPT ONE ACRE RESERVED THEREIN FOR GRAVEYARD.

SAID ONE ACRE RESERVED FOR GRAVEYARD BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 20 FOR A POINT OF REFERENCE AND RUN N.01°43'30"W., ALONG THE WEST LINE OF SAID SECTION 20, A DISTANCE OF 2588.04 FEET TO A CONCRETE MONUMENT AT THE NORTHWEST CORNER OF THE AFOREMENTIONED SOUTH ½ OF SECTION 20, THENCE RUN N.89°48'16"E., ALONG THE NORTH LINE OF SAID SOUTH 1/2 , A DISTANCE OF 4989.78 FEET TO A CONCRETE MONUMENT AT THE INTERSECTION OF SAID NORTH LINE WITH THE WESTERLY RIGHT OF WAY LINE OF COUNTY ROAD 235A (100 FOOT RIGHT OF WAY); THENCE RUN S.00°14'05"W., ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 501.38 FEET; THENCE RUN N.89°45'54"W., A DISTANCE OF 405.49 FEET TO A STEEL ROD AND CAP AT THE TRUE POINT OF BEGINNING OF GRAVEYARD PARCEL; THENCE RUN S.00°14'06"W., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN N.89°45'54"W., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN N.00°14'06"E., A DISTANCE OF 208.71 FEET TO A STEEL ROD AND CAP; THENCE RUN S.89°45'54"E., A DISTANCE OF 208.71 FEET TO THE TRUE POINT OF BEGINNING.

AND BEING THE SAME PROPERTY CONVEYED TO WACO, INC., QUALIFIED TO DO BUSINESS IN FLORIDA AS WACO OF ALABAMA, INC., AN ALABAMA CORPORATION FROM INTERNATIONAL BUSINESS MACHINES CORPORATION, A NEW YORK CORPORATION BY SPECIAL WARRANTY DEED DATED NOVEMBER 10, 1997 AND RECORDED NOVEMBER 18, 1997 IN DEED BOOK 2140, PAGE 1837.; SAID WACO, INC, AN ALABAMA CORPORATION MERGED INTO WADE ALABAMA CORPORATION, A FLORIDA CORPORATION; AND SAID WACO OF ALABAMA, INC, AN ALABAMA CORPORATION MERGED INTO WADE ALABAMA CORPORATION, AN ALABAMA CORPORATION, AND SAID WADE ALABAMA CORPORATION, AN ALABAMA CORPORATION CHANGED ITS NAME TO WACO OF ALABAMA, INC., A FLORIDA CORPORATION, AND SAID WACO OF ALABAMA, INC, A FLORIDA CORPORATION CHANGED ITS NAME TO WACO PROPERTIES, INC, A FLORIDA CORPORATION.

TAX PARCEL NO. 03894-000-000

PARCEL 2 DESCRIPTION:
(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) IN SECTION 20, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA. LESS ROAD RIGHT-OF-WAY AS PER DEED RECORDED IN OFFICIAL RECORDS BOOK 103, PAGE 432 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. ALSO LESS THE NORTH 40 FEET FOR COUNTY ROAD RIGHT-OF-WAY PER OFFICIAL RECORDS BOOK 880, PAGE 168, PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.

AND BEING THE SAME PROPERTY CONVEYED TO GARY D. BROWN, AS TRUSTEE OF THE GARY D. BROWN REVOCABLE TRUST DATED JANUARY 23, 2004, AS TO AN UNDIVIDED 25% INTEREST AND LINDA WEIDNER, AS TO AN UNDIVIDED 25% INTEREST AND JOANNE ALSPAUGH, AS TO AN UNDIVIDED 25% INTEREST; AND HENDERSON BROTHERS, INC., AS TO AN UNDIVIDED 25% INTEREST, AS TENANTS IN COMMON FROM WILLIAM R. SABIS BY WARRANTY DEED DATED MAY 17, 2005 AND RECORDED MAY 27, 2005 IN DEED BOOK 3133, PAGE 24.

TAX PARCEL NO. 03898-000-000

PARCEL 3 DESCRIPTION: (NAMED BY THIS SURVEYOR)
(PER OFFICIAL RECORDS BOOK 5052, PAGES 1905 THROUGH 1908)

THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA.

LESS AND EXCEPT THE RIGHT OF WAY FOR COUNTY ROAD 235-A (NW 173RD STREET) (100 FOOT RIGHT OF WAY).

ALSO LESS AND EXCEPT THE FOLLOWING DESCRIBED LANDS:

COMMENCE AT THE SOUTHEAST CORNER OF THE AFOREMENTIONED SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST FOR THE POINT OF REFERENCE AND RUN N 88°31'04" W, A DISTANCE OF 50.01 FEET TO A 6" X 6" CONCRETE MONUMENT (R/W SRD) AT THE NORTHEAST CORNER OF THAT CERTAIN PARCEL OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 2847, PAGE 248 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA; SAID PARCEL OF LAND BEING HEREINAFTER REFERRED TO AS THE "HURST" PARCEL, AND THE TRUE POINT OF BEGINNING OF THIS EXCEPTION PARCEL; THENCE RUN N 88°32'30" W, A DISTANCE OF 249.77 FEET TO A CONCRETE MONUMENT (NO IDENTIFICATION) AT THE N.W. CORNER OF SAID "HURST" PARCEL; THENCE RUN S 00°01'50" W, ALONG THE WEST LINE OF SAID "HURST" PARCEL, A DISTANCE OF 9.59 FEET TO THE SOUTH LINE OF SAID SECTION 17; THENCE RUN S 89°29'03" W, ALONG THE SOUTH LINE OF SAID SECTION 17, A DISTANCE OF 249.69 FEET TO THE WEST RIGHT OF WAY LINE OF THE AFOREMENTIONED COUNTY ROAD 235-A; THENCE RUN N00°14'48" E, ALONG SAID WEST RIGHT OF WAY LINE, A DISTANCE OF 1.00 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL 4 DESCRIPTION: (NAMED BY THIS SURVEYOR)
(PER OFFICIAL RECORDS BOOK 5052, PAGES 1905 THROUGH 1908)

THAT PART OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, LYING WEST OF THE RIGHT OF WAY FOR STATE ROAD NO. S-235-A.

LESS:
THAT PART OF THE NORTH 495.15 FEET OF THE SOUTH 1787.40 FEET OF THE EAST 345.15 FEET OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, LYING WITHIN THE SOUTH 1/2 OF THE SOUTHEAST 1/4.

ALSO LESS: (BY THIS SURVEYOR)
THE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 1570, PAGE 2803, OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.

PARCEL 5 DESCRIPTION: (NAMED BY THIS SURVEYOR)
(PER OFFICIAL RECORDS BOOK 5052, PAGES 1905 THROUGH 1908)

A TRACT OF LAND SITUATED IN SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT A NAIL AND DISK AT THE SOUTHEAST CORNER OF THE AFOREMENTIONED SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST FOR THE POINT OF REFERENCE AND RUN N. 00°14'56" E., ALONG THE EAST LINE OF SAID SECTION 17, A DISTANCE OF 1288.06 FEET; THENCE RUN N. 89°52'40" E., A DISTANCE OF 654.41 FEET TO A POINT ON THE WEST LINE OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 17, SAID POINT BEING 16.18 FEET SOUTH OF THE NORTHWEST CORNER OF SAID NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17, SAID POINT ALSO BEING, THE TRUE POINT OF BEGINNING OF THE LANDS HEREIN DESCRIBED; THENCE RUN S. 00°12'08" W., ALONG SAID WEST LINE, A DISTANCE OF 639.35 FEET TO THE SOUTHWEST CORNER OF SAID NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 17; THENCE RUN S. 89°30'54" W., ALONG THE SOUTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 17 AND A WESTERLY PROJECTION THEREOF, A DISTANCE OF 688.36 FEET; THENCE RUN N. 00°34'12" E., A DISTANCE OF 646.67 FEET TO A CONCRETE MONUMENT; THENCE RUN S. 89°52'40" E., A DISTANCE OF 684.17 FEET TO THE TRUE POINT OF BEGINNING, CONTAINING 10.130 ACRES MORE OR LESS.

PARCEL 6 DESCRIPTION: (NAMED BY THIS SURVEYOR)
(PER OFFICIAL RECORDS BOOK 5052, PAGES 1905 THROUGH 1908)

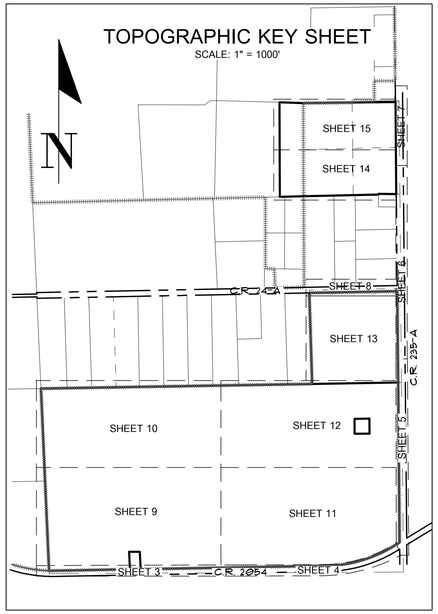
A TRACT OF LAND SITUATED IN SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

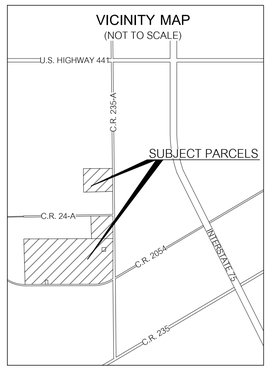
COMMENCE AT A NAIL AND DISK AT THE SOUTHEAST CORNER OF THE AFOREMENTIONED SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST FOR THE POINT OF REFERENCE AND RUN S. 89°31'27" W., ALONG THE SOUTH LINE OF SAID SECTION 17, A DISTANCE OF 653.41 FEET TO THE SOUTHEAST CORNER OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 17 AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE S. 89°31'27" W., ALONG SAID SOUTH LINE, A DISTANCE OF 692.57 FEET TO A CONCRETE MONUMENT; THENCE RUN N. 00°34'12" E., A DISTANCE OF 655.48 FEET TO THE INTERSECTION WITH THE WESTERLY PROJECTION OF THE NORTH LINE OF THE SAID SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17; THENCE RUN N.89°30'54" E., ALONG SAID WESTERLY PROJECTION AND ALONG SAID NORTH LINE, A DISTANCE OF 688.36 FEET TO THE NORTHEAST CORNER OF SAID SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4; THENCE RUN S. 00°12'08" W., ALONG THE EAST LINE OF SAID SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, A DISTANCE OF 655.53 FEET TO THE TRUE POINT OF BEGINNING, CONTAINING 10.389 ACRES MORE OR LESS.

PARCEL 7 DESCRIPTION: (NAMED BY THIS SURVEYOR)
(PER OFFICIAL RECORDS BOOK 5052, PAGES 1903 THROUGH 1904)

A TRACT OF LAND SITUATED IN SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE AFOREMENTIONED SECTION 17, TOWNSHIP 8 SOUTH, RANGE 18 EAST FOR THE POINT OF REFERENCE AND RUN N. 89°31'27" E., ALONG THE SOUTH LINE OF SAID SECTION 17, A DISTANCE OF 3452.43 FEET TO THE SOUTHEAST CORNER OF THE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 2436, PAGE 263 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA AND THE TRUE POINT OF BEGINNING; THENCE RUN N. 00°34'12" E., A DISTANCE OF 1320.48 FEET TO THE NORTHEAST CORNER OF SAID LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 2436, PAGE 263, SAID NORTHEAST CORNER IS LOCATED ON THE SOUTH LINE OF THE 46.712 ACRE TRACT OF LAND DESCRIBED IN OFFICIAL RECORD BOOK 2228, PAGE 1974 OF SAID PUBLIC RECORDS; THENCE RUN S. 87°18'58" E., ALONG SAID SOUTH LINE, A DISTANCE OF 332.45 FEET TO THE NORTHWEST CORNER OF LANDS DESCRIBED IN OFFICIAL RECORD BOOK 1570, PAGE 2801 OF SAID PUBLIC RECORDS; THENCE RUN S. 00°34'12" W., A DISTANCE OF 1302.15 FEET TO THE SOUTHWEST CORNER OF LANDS DESCRIBED IN OFFICIAL RECORD BOOK 1619, PAGE 273 OF SAID PUBLIC RECORDS, SAID SOUTHWEST CORNER IS LOCATED ON THE SOUTH LINE OF AFOREMENTIONED SECTION 17; THENCE RUN S. 89°31'27" W., ALONG SAID SOUTH LINE OF SECTION 17, A DISTANCE OF 332.27 FEET TO THE TRUE POINT OF BEGINNING, CONTAINING 10.001 ACRES MORE OR LESS.





ACREAGE TABLE	
PARCEL(S) #	ACRES ±
1	285.939
2	35.556
3 - 7 (COMBINED)	48.389
ALL	369.884

ZONING RESTRICTIONS:
PARCEL 1
ZONE: RSF-4 (RESIDENTIAL SINGLE FAMILY - 4)

BUILDING SETBACKS:
FRONT = 15 FEET
GARAGE FRONT = 20 FEET
SIDE (STREET) = 10 FEET
REAR = 15 FEET

MAXIMUM BUILDING HEIGHT: 35 FEET

PARCELS 2 - 7
ZONE: A (AGRICULTURE)

BUILDING SETBACKS:
FRONT = 40 FEET
SIDE (STREET) = 40 FEET
SIDE (INTERIOR) = 20 FEET
REAR = 40 FEET

MAXIMUM BUILDING HEIGHT: UNLIMITED

FLOOD ZONE:
THIS PROPERTY IS LOCATED IN FEDERAL FLOOD ZONE "X", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS INTERPOLATED FROM F.I.R.M. PANEL NO. 12001C0120D, EFFECTIVE DATE: JUNE 16, 2006.

SCHEDULE B-II EXCEPTIONS:
(PER FIDELITY TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022)

ITEM # 8: PARCEL 1 IS NOT SUBJECT TO THE EASEMENT IN FAVOR OF STATE OF FLORIDA, RECORDED ON OCTOBER 17, 1960 IN DEED BOOK 114, PAGE 427. (EASEMENT IS OFFSITE AND DOES BENEFIT THE SUBJECT PARCEL. NOT SHOWN HEREON)

ITEM # 9: PARCEL 1 IS NOT SUBJECT TO THE 80 FOOT WIDE STRIP OF LAND CONVEYED IN WARRANTY DEED FROM W. D. POPE, JR. AND JAMES A. LEWIS TO ALACHUA COUNTY, RECORDED ON OCTOBER 14, 1977 IN DEED BOOK 1096, PAGE 575. (THE STRIP FALLS INSIDE THE RIGHT OF WAY FOR COUNTY ROAD 2054 ALSO KNOWN AS PEGGY ROAD, AS SHOWN HEREON)

ITEM # 10: PARCEL 1 MAY NOT BE SUBJECT TO THE MINERAL DEED TO W. H. WELLBORN AND HILLARY WELLBORN, DATED NOVEMBER 21, 1996 AND RECORDED JANUARY 6, 1997 IN DEED BOOK 2094, PAGE 476. (WACO PROPERTIES, INC. PURCHASING W.H. WELLBORN AND HILLARY WELLBORN'S INTEREST IN SAID LANDS. RECORDED IN O.R.B. 3433, PG. 1149.)

TEM # 11: PARCEL 1 IS SUBJECT TO THE EASEMENT GRANTED TO CLAY ELECTRIC COOPERATIVE, INC. BY INSTRUMENT RECORDED IN BOOK 2277, PAGE 757. (AS SHOWN HEREON)

ITEM # 12: PARCEL 2 IS NOT SUBJECT TO THE EASEMENT IN FAVOR OF CLAY ELECTRIC COOPERATIVE, INC. RECORDED IN BOOK 2277, PAGE 760. (EASEMENT WAS RELEASED. THERE POWER POLES ALONG THE EASTERN SIDE OF PARCEL 2. SEE SURVEYOR'S NOTE 19)

ITEM # 13: PARCEL 2 IS SUBJECT TO THE EASEMENT IN FAVOR OF THE STATE OF FLORIDA RECORDED IN BOOK 103, PAGE 414. (AS SHOWN HEREON)

ITEM # 14: PARCEL 2 IS PARTIALLY SUBJECT TO THE EASEMENT IN FAVOR OF STATE OF FLORIDA, RECORDED ON JULY 12, 1960 IN DEED BOOK 103, PAGE 432. (AS SHOWN HEREON)

ITEM # 15: PARCEL 1 IS NOT SUBJECT TO THE RIGHT OF WAY, 100 FEET IN WIDTH, IN FAVOR OF INTERNATIONAL BUSINESS MACHINES CORPORATION, A NEW YORK CORPORATION SET FORTH IN INSTRUMENT RECORDED ON MAY 15, 1981 IN DEED BOOK 1346, PAGE 680. (100' RIGHT OF WAY FALLS SOUTH OF PEGGY ROAD. NOT SHOWN HEREON)

ITEM # 18: PARCEL 1 IS SUBJECT TO THE RESERVATION OF ONE ACRE IN NE 1/4 OF SW 1/4 AND N 1/2 OF SE 1/4 OF SECTION 20-8-18 FOR CATHGART GRAVEYARD, RECORDED IN DEED BOOK 68, PAGE 632, OF THE PUBLIC RECORDS OF ALACHUA COUNY, FLORIDA. (AS SHOWN HEREON)

ITEM # 19: PARCEL 1 MAY NOT BE SUBJECT TO THE MINERAL RIGHT AND ROYALTY TRANSFER OF UNDIVIDED ONE-HALF INTEREST BY J.H. DAVIS AND ALLIE L. DAVIS, HIS WIFE, TO W.R. MOSELY, DATED SEPTEMBER 13, 1944, RECORDED IN MISCELLANEOUS BOOK 32, PAGE 94, OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. (WACO PROPERTIES, INC. MADE SEVERAL PURCHASES FOR THE RIGHTS AND INTEREST IN SAID LANDS. RECORDED IN O.R.B. 3433, PG. 1148, O.R.B. 3433, PG. 1150.)

SURVEYOR'S NOTES:
1. BEARINGS SHOWN HEREON ARE BASED ON STATE PLANE FLORIDA NORTH ZONE 83/86 DATUM PROJECTED FROM ALACHUA COUNTY DENSIFICATION SURVEY 1988 - RECOVERED TRAVERSE CONTROL POINTS #4602 & 4603.
2. THERE IS A BEARING DIFFERENCE BETWEEN PARCEL ONE (1) AND THE MEASURED BEARINGS SHOWN HEREON. ROTATE THE DEED BEARINGS 00°46'48" COUNTER CLOCKWISE TO MATCH MEASURED BEARINGS. THERE IS A BEARING DIFFERENCE BETWEEN PARCELS 3, 4, 5, 6, AND 7 AND THE MEASURED BEARINGS SHOWN HEREON. ROTATE THE DEED BEARINGS 00°32'13" COUNTER CLOCKWISE TO MATCH MEASURED BEARINGS.
3. NO UNDERGROUND INSTALLATION OF UTILITIES OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
4. THE SURVEYOR HAS NO KNOWLEDGE OF UNDERGROUND FOUNDATIONS WHICH MAY ENCROACH.
5. INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY, AND OR OWNERSHIP WERE FURNISHED TO THIS SURVEYOR FOR PARCEL 1 & PARCEL 2, PER FIDELITY NATIONAL TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 36523532, DATED MARCH 1, 2022, FIRST AMERICAN TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 21-0351.7 KNQ, DATED APRIL 6, 2021. SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN DONE BY THE SURVEYOR.
5. INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY, AND OR OWNERSHIP WERE NOT FURNISHED TO THIS SURVEYOR FOR PARCELS 3, 4, 5, 6, & 7. SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN DONE BY THE SURVEYOR.
6. IT IS IN THE OPINION OF THIS SURVEYOR THAT PARCEL 4 LEGAL DESCRIPTION SHOULD INCLUDE ALSO LESS THE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 1570, PAGE 2803, OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.
7. INFORMATION FROM FEDERAL EMERGENCY MANAGEMENT AGENCY, (F.E.M.A.) FLOOD INSURANCE RATE MAP(S), SHOWN ON THIS MAP WAS CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.
8. FENCES, SYMBOLS, MONUMENTATION AND UTILITIES SHOWN HEREON MAY BE EXAGGERATED FOR PICTORIAL PURPOSES ONLY AND MAY NOT BE SHOWN TO SCALE.
9. IN THE OPINION OF THIS SURVEYOR, THE PERIMETER LINES AS SHOWN HEREON REPRESENT THE LOCATION OF THE BOUNDARY LINES OF THE SUBJECT PARCEL IN RELATION TO THE DESCRIPTION OF RECORD AND THOSE EXISTING LAND CORNERS FOUND TO BE ACCEPTABLE BY THIS SURVEYOR. ALL FEATURES SHOWN HEREON WERE LOCATED AND MAPPED UNDER THE RESPONSIBLE CHARGE OF THIS SURVEYOR.
10. VERTICAL INFORMATION SHOWN HEREON IS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD). ELEVATIONS SHOWN HEREON WERE DERIVED FROM NATIONAL GEODETIC SURVEY BENCHMARK NUMBER C 51 (PID AR0286), BEING A STANDARD COAST AND GEODETIC SURVEY DISK IN CONCRETE POST LOCATED IN THE VICINITY OF ALACHUA COUNTY ROAD 2054, AND MAIN STREET, WITH A PUBLISHED ELEVATION OF 75.14 FEET (NAVD 88).
11. ADDITIONAL POINTS MAY BE FOUND BY TURNING ON THE SV - NODE* LAYERS IN THE SUPPLIED DIGITAL FILE.
12. THERE ARE ZERO STRIPED PARKING SPACES ON THE SUBJECT PARCEL.
13. THERE WAS NO OBSERVED RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS DURING THE PROCESS OF CONDUCTING THE FIELDWORK.
14. A ZONING REPORT WAS NOT FURNISHED TO THIS SURVEYOR. ZONING INFORMATION SHOWN HEREON IS BASED ALACHUA COUNTY MUNICODE DATED: JANUARY 9TH, 2023.
15. THERE ARE NO KNOWN PROPOSED CHANGES IN STREET RIGHT OF WAYS. THERE WAS NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS DURING THE PROCESS OF CONDUCTING THE FIELD WORK.
16. IT IS THIS SURVEYOR'S OPINION THAT THERE IS A SCRIVENERS ERROR FOR PARCEL 3 (NAMED BY THIS SURVEYOR) IN OFFICIAL RECORDS BOOK 5052, PAGES 1905 THROUGH 1908, OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. SAID SCRIVENERS ERROR BEING THE FOURTH BEARING CALL OF "S 89°29'03" W". THE CORRECT BEARING SHOULD READ "N 89°29'03" E".
17. TREES SHOWN HEREON WERE MEASURED BY DIAMETER AT BREAST HEIGHT (DBH). TREES WITHIN THE CITY OF ALACHUA MUNICIPAL BOUNDARY AND WITHIN PUBLIC RIGHT OF WAYS ARE LABELED BY DBH AND COMMON NAME ABBREVIATION. FULL NAMES COMMON NAME ABBREVIATIONS CAN BE FOUND IN THE LEGEND. TREES OUTSIDE OF THE CITY OF ALACHUA MUNICIPAL BOUNDARY AND PUBLIC RIGHT OF WAYS ARE LABELED BY THE POINT NUMBER THAT SAID TREE WAS TAGGED WITH. INFORMATION OF THE TREES LABELED BY POINT NUMBER CAN BE FOUND IN THE TREE TABLE CHART ON SHEET SIXTEEN (16).
18. THE EASEMENT TO THE FLORIDA POWER CORPORATION RECORDED IN DEED BOOK 333, PAGE 282 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA ONLY COVERS THAT PORTION OF THE SUBJECT PROPERTY CONTAINED WITHIN THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17.
19. THE OVERHEAD UTILITY LINE ALONG THE EASTERN EDGE OF PARCEL 2 IS ENCROACHING. THERE WAS NO EASEMENT FOR THIS OVERHEAD UTILITY FURNISHED TO THIS SURVEYOR.
20. THIS SURVEY CONSISTS OF NINETEEN (19) SHEETS AND IS NOT COMPLETE WITHOUT ALL SHEETS. SEE SHEET ONE (1) FOR DESCRIPTIONS, SCHEDULE B-II EXCEPTIONS, VICINITY MAP, TOPOGRAPHIC KEY SHEET, LEGEND, FLOOD ZONE INFORMATION, ZONING INFORMATION, SURVEYOR'S CERTIFICATE AND COMPLETE SURVEYOR'S NOTES. SEE SHEET TWO (2) FOR DETAILED BOUNDARY INFORMATION. SEE SHEETS THREE (3) THROUGH FIFTEEN (15) FOR DETAILED TOPOGRAPHIC INFORMATION. SEE SHEETS SIXTEEN (16) THROUGH NINETEEN (19) FOR TREE TABLE CHART.

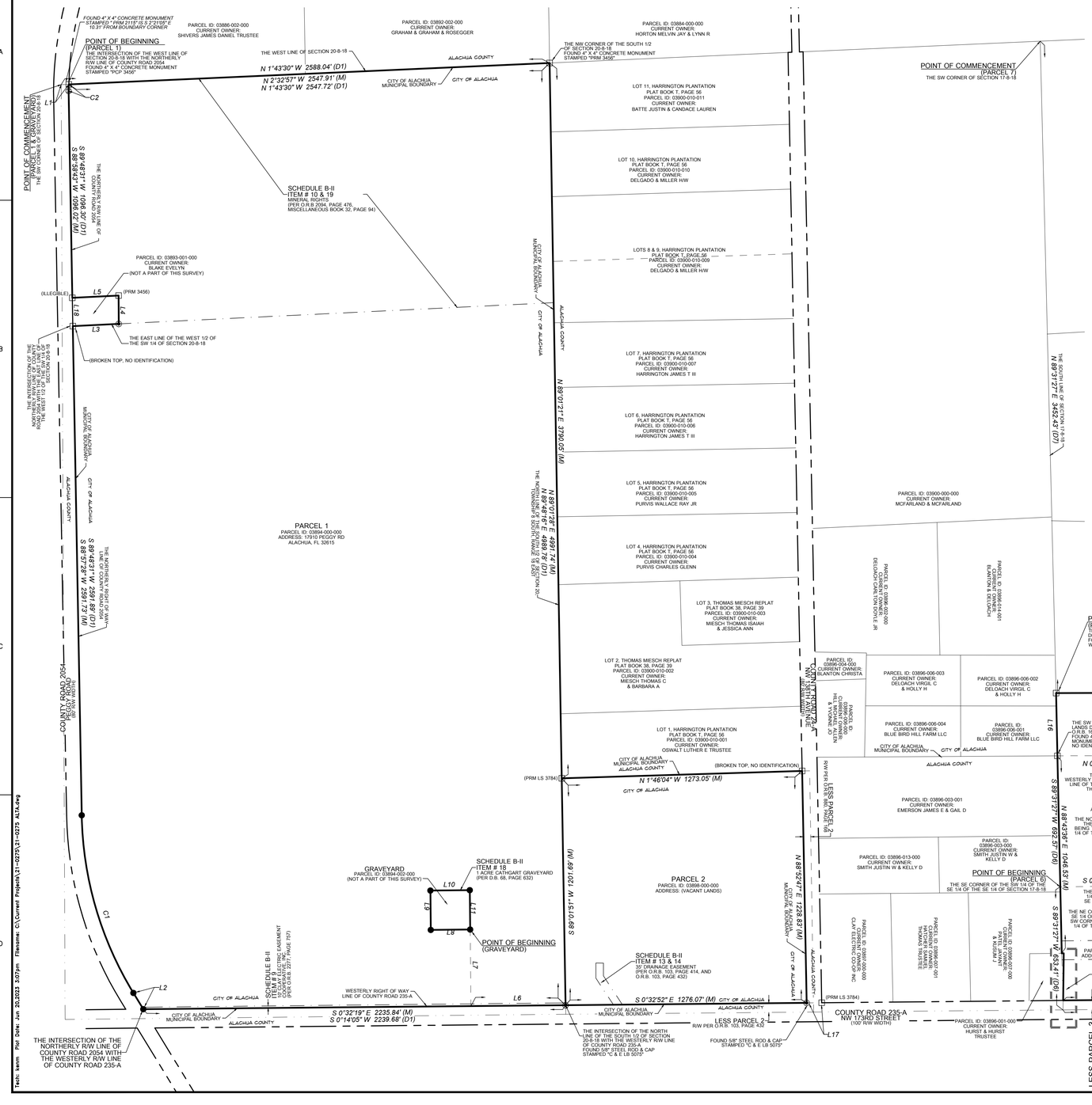
LEGEND:
- = BENCHMARK
- = FOUND 4"X4" CONCRETE MONUMENT (MARKED AS NOTED)
- = FOUND 5/8" IRON ROD (MARKED AS NOTED)
- = FOUND 5/8" STEEL REBAR & CAP (MARKED AS NOTED)
- = SET 5/8" STEEL REBAR AND CAP MARKED "CHW INC LB 5075"
- = SET 1/2" STEEL REBAR & CAP STAMPED "WITNESS LB 5075"
- = CONCRETE POWER POLE
- = WOODEN POWER POLE
- = GUY POLE
- = GUY ANCHOR
- = TRAFFIC SIGNAL POLE
- = ELECTRIC METER
- = TELEPHONE JUNCTION BOX
- = TELEPHONE LINE MARKER
- = TELEPHONE PEDESTAL
- = FIBER OPTIC LINE MARKER
- = WATER LINE MARKER
- = WATER VALVE
- = WATER METER
- = FIRE HYDRANT
- = MAILBOX
- = TREE (SIZE AND TYPE AS NOTED)
- = SIGN
- = PROPANE TANK
- = ROADWAY PAVEMENT MARKINGS
- = BOUNDARY LINE
- = ADJOINER PROPERTY LINE
- = EASEMENT LINE
- = SECTION LINE
- = MATCH LINE
- = CITY OF ALACHUA MUNICIPAL BOUNDARY
- = OVERHEAD WIRE
- = FENCE (SIZE AND TYPE AS NOTED)
- = GUARD RAIL
- = STORM SEWER LINE
- = CONTOUR LINE
- = ASPHALT PAVEMENT SURFACE
- = ASPHALT MILLINGS SURFACE
- = CONCRETE SURFACE
- = LIME ROCK / DIRT SURFACE

ABBREVIATIONS :

(D1) =	DATA BASED ON PARCEL 1 DESCRIPTION
(D3) =	DATA BASED ON PARCEL 3 DESCRIPTION
(D5) =	DATA BASED ON PARCEL 5 DESCRIPTION
(D6) =	DATA BASED ON PARCEL 6 DESCRIPTION
(D7) =	DATA BASED ON PARCEL 7 DESCRIPTION
(M) =	DATA BASED ON FIELD MEASUREMENTS
O.R.B. =	OFFICIAL RECORDS BOOK
D.B. =	DEED BOOK
R/W =	RIGHT OF WAY
NE =	NORTHEAST
SE =	SOUTHEAST
SW =	SOUTHWEST

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA



CURVE DATA TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C1(M)	991.89'	1869.86'	30°23'36"	507.91'	980.30'	N 74°36'16" E
C1(D1)	991.89'	1869.86'	30°23'36"	------	980.30'	N 74°36'43" E
C2(D1)	34.04'	1869.86'	1°02'35"	17.02'	34.04'	S 89°40'12" E
C2(M)	34.37'	1869.86'	1°03'12"	17.19'	34.39'	S 88°56'59" E

LINE DATA TABLE		
LINE	DIRECTION	LENGTH
L1(D1)	N 1°43'30" W	40.32'
L2(M)	S 58°35'28" W	100.58'
L2(D1)	S 59°24'56" W	100.58'
L3(D1)	N 1°58'22" W	243.46'
L3(M)	N 2°47'30" W	243.45'
L4(M)	S 89°46'49" W	149.92'
L4(D1)	N 89°27'14" W	150.00'
L5(M)	S 2°44'34" E	245.34'
L5(D1)	S 1°58'22" E	245.42'
L6(D1)	S 0°14'05" W	501.38'
L7(D1)	S 89°45'54" E	405.49'
L8(M)	S 0°35'22" E	208.71'
L8(D1)	N 0°14'06" E	208.71'
L9(M)	N 89°24'38" E	208.71'
L9(D1)	S 89°45'54" E	208.71'
L10(M)	S 0°35'22" E	208.71'
L10(D1)	N 0°14'06" E	208.71'
L11(M)	N 89°24'38" E	208.71'
L11(D1)	S 89°45'54" E	208.71'
L12(M)	N 89°09'39" W	50.39'
L12(D3)	N 88°31'04" W	50.01'
L13(M)	N 0°57'09" W	10.23'
L13(D3)	S 0°01'50" W	9.59'
L14(D3)	N 0°14'48" E	1.00'
L15(M)	S 88°00'56" E	332.60'
L15(D7)	S 87°18'58" E	332.45'
L16(M)	S 88°45'53" W	332.33'
L16(D7)	S 89°31'27" W	332.27'
L17(M)	N 83°36'23" E	79.92'
L18(M)	N 89°03'23" E	150.06'

GRAPHIC SCALE

0 150 300 600

SURVEYOR'S NOTES:

1. THIS SURVEY CONSISTS OF NINETEEN (19) SHEETS AND IS NOT COMPLETE WITHOUT ALL SHEETS. SEE SHEET ONE (1) FOR DESCRIPTIONS, SCHEDULE B-II EXCEPTIONS, VICINITY MAP, TOPOGRAPHIC KEY SHEET, LEGEND, FLOOD ZONE INFORMATION, ZONING INFORMATION, SURVEYOR'S CERTIFICATE AND COMPLETE SURVEYOR'S NOTES. SEE SHEET TWO (2) FOR DETAILED BOUNDARY INFORMATION. SEE SHEETS THREE (3) THROUGH FIFTEEN (15) FOR DETAILED TOPOGRAPHIC INFORMATION. SEE SHEETS SIXTEEN (16) THROUGH NINETEEN (19) FOR TREE TABLE CHART.

REVISION 05/15/2023: UPDATED EXCEPTIONS.
REVISION 04/19/2023: UPDATED SURVEYORS NOTES.

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CHW
Professional Consultants

SCALE: 1" = 300'
VERIFY SCALE BAR IS CORRECT ON PLOTTED DRAWING
0 300 600 1200
IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY.

SURVEY DATE: 03/17/2023
REVISION DATE: 05/15/2023
PROJECT NUMBER: 21-0275
TECHNICIAN: KWM
CREW CHIEF: JDC
CHECKED BY: CAC
FIELD BOOK & PAGE: 668 (1-110, 15-22, 43, 47 & 51-53)

CERTIFIED TO:

CHAD A. COLSON
Professional Surveyor & Mapper Fla. License No. 7142
SEE SHEET ONE OF NINETEEN

This map prepared by:
Certificate of Authorization No. L.B. 5075
IT IS A VIOLATION OF FLORIDA LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A FLORIDA LICENSED SURVEYOR AND MAPPER, TO ALTER IN ANY WAY, ANY SURVEY MAP OR REPORT BEARING THE SIGNATURE AND/OR THE EMBOSSED SURVEYING AND MAPPING BUSINESS OF THE SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES. THE SIGNATURE AND ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER APPEARS ON THE SURVEY MAP AND REPORT.

SHEET NO.: 2 OF 19

Tech: kevin Plot Date: Jun 20,2023 3:07pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

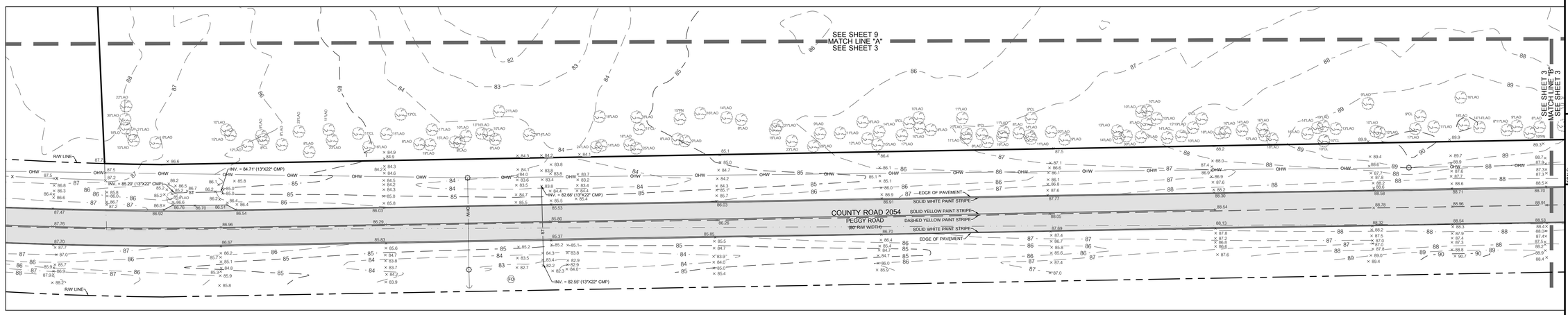
SURVEYOR'S NOTES:

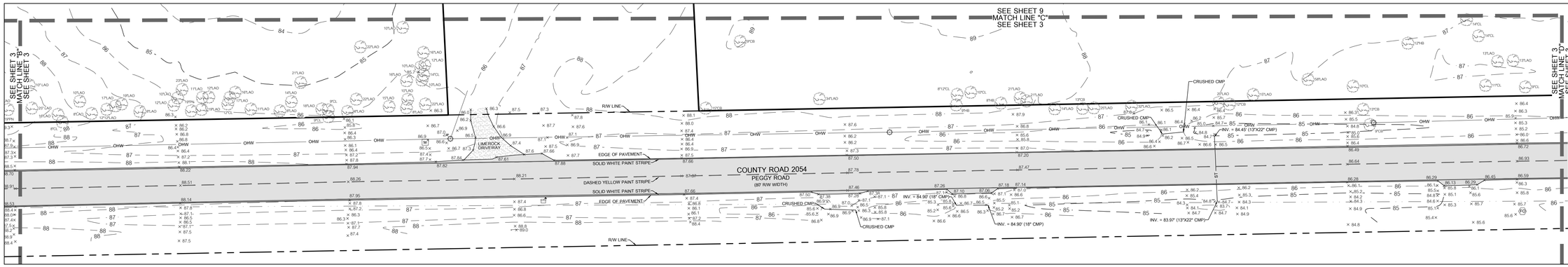
1. THIS SURVEY CONSISTS OF NINETEEN (19) SHEETS AND IS NOT COMPLETE WITHOUT ALL SHEETS. SEE SHEET ONE (1) FOR DESCRIPTIONS, SCHEDULE B-II EXCEPTIONS, VICINITY MAP, TOPOGRAPHIC KEY SHEET, LEGEND, FLOOD ZONE INFORMATION, ZONING INFORMATION, SURVEYOR'S CERTIFICATE AND COMPLETE SURVEYOR'S NOTES. SEE SHEET TWO (2) FOR DETAILED BOUNDARY INFORMATION. SEE SHEETS THREE (3) THROUGH FIFTEEN (15) FOR DETAILED TOPOGRAPHIC INFORMATION. SEE SHEETS SIXTEEN (16) THROUGH NINETEEN (19) FOR TREE TABLE CHART.

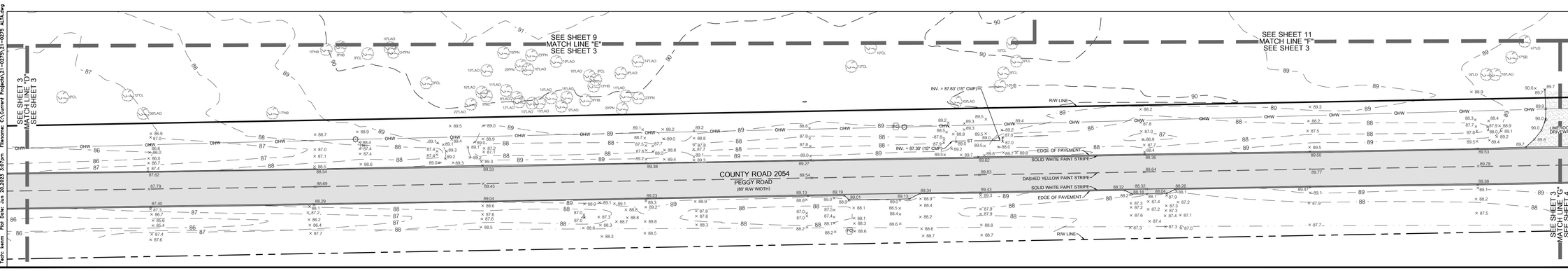
GRAPHIC SCALE

0 15 30 60

N







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Alachua, Florida 32615
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www.chw-inc.com
est. 1988 FLORIDA CA-5075

CHW Professional Consultants

SCALE: 1" = 30'

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CERTIFIED TO:

SEE SHEET ONE OF NINETEEN

SURVEY DATE:	03/17/2023
REVISION DATE:	04/19/2023
PROJECT NUMBER:	21-0275

REVISION 04/19/2023: EDITED NOTE

TECHNICIAN:	KWM
CREW CHIEF:	JW
CHECKED BY:	CAC
FIELD BOOK & PAGE:	669 / 1-10, 15-22, 43, 47 & FILE

CHAD A. COLSON

SEE SHEET ONE OF NINETEEN

Professional Surveyor & Mapper Fla. License No. 7142

This map prepared by:

Certificate of Authorization No. L.B. 5075
NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OR ELECTRONIC DIGITAL SIGNATURE OF A FLORIDA LICENSED SURVEYOR AND MAPPER

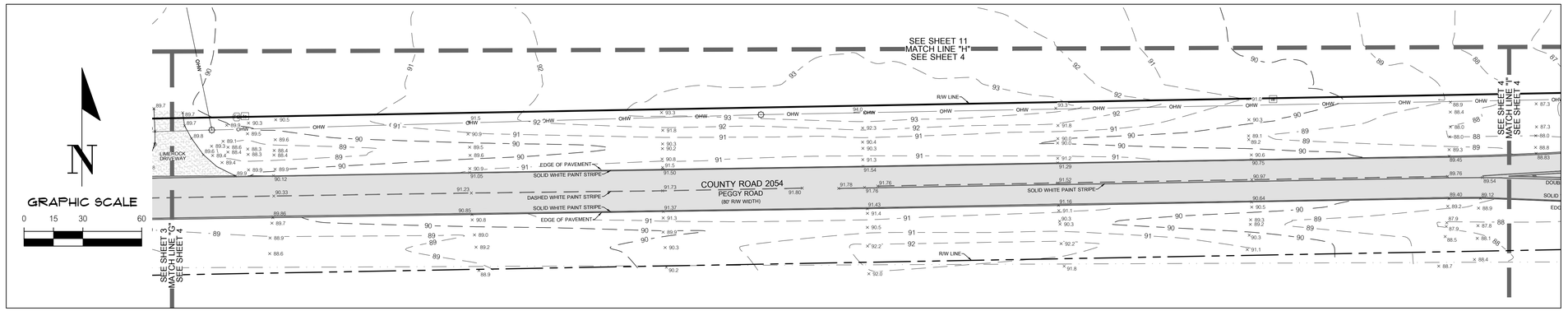
Tech: kenm Plot Date: Jun 20,2023 3:07pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

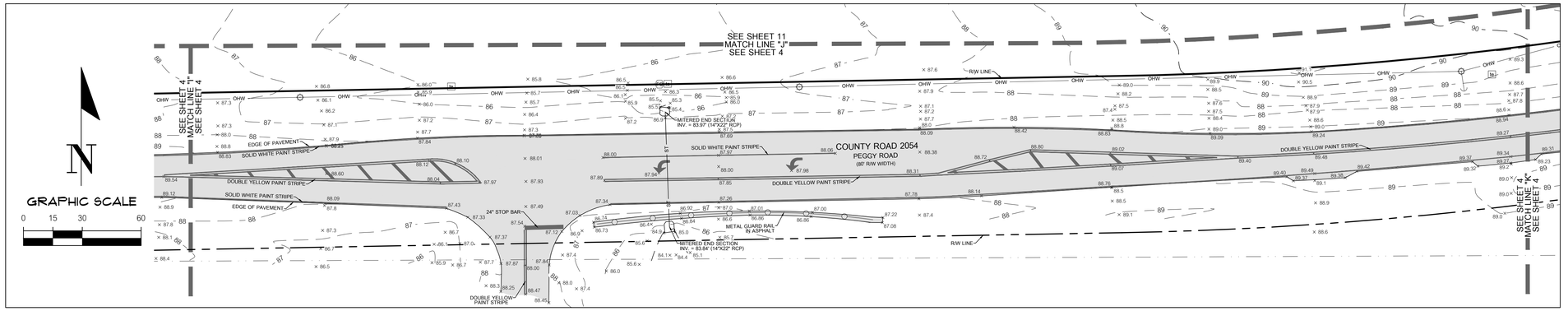
ALTA / NSPS SURVEY

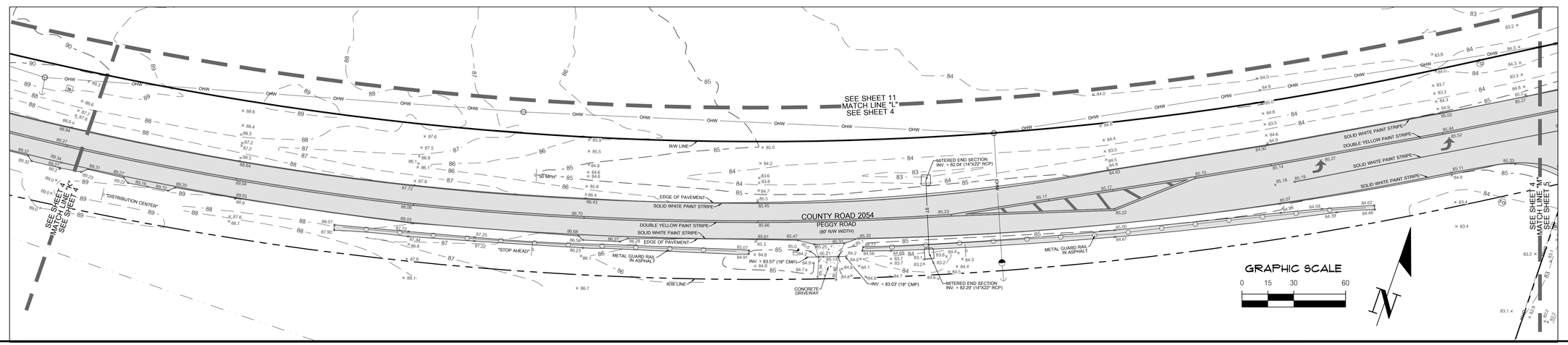
LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

SURVEYOR'S NOTES:

1. THIS SURVEY CONSISTS OF NINETEEN (19) SHEETS AND IS NOT COMPLETE WITHOUT ALL SHEETS. SEE SHEET ONE (1) FOR DESCRIPTIONS, SCHEDULE B-II EXCEPTIONS, VICINITY MAP, TOPOGRAPHIC KEY SHEET, LEGEND, FLOOD ZONE INFORMATION, ZONING INFORMATION, SURVEYOR'S CERTIFICATE AND COMPLETE SURVEYOR'S NOTES. SEE SHEET TWO (2) FOR DETAILED BOUNDARY INFORMATION. SEE SHEETS THREE (3) THROUGH FIFTEEN (15) FOR DETAILED TOPOGRAPHIC INFORMATION. SEE SHEETS SIXTEEN (16) THROUGH NINETEEN (19) FOR TREE TABLE CHART.







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SCALE: 1" = 30'

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CERTIFIED TO:

SEE SHEET ONE OF NINETEEN

REVISION 04/19/2023: EDITED NOTE

SURVEY DATE:	03/17/2023
REVISION DATE:	04/19/2023
PROJECT NUMBER:	21-0275
TECHNICIAN:	KWM
CREW CHIEF:	JW
CHECKED BY:	CAC
FIELD BOOK & PAGE:	669 / 1-10, 15-22, 43, 47 & FILE

CHAD A. COLSON

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Tech: kemm Plot Date: Jun 20,2023 3:08pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

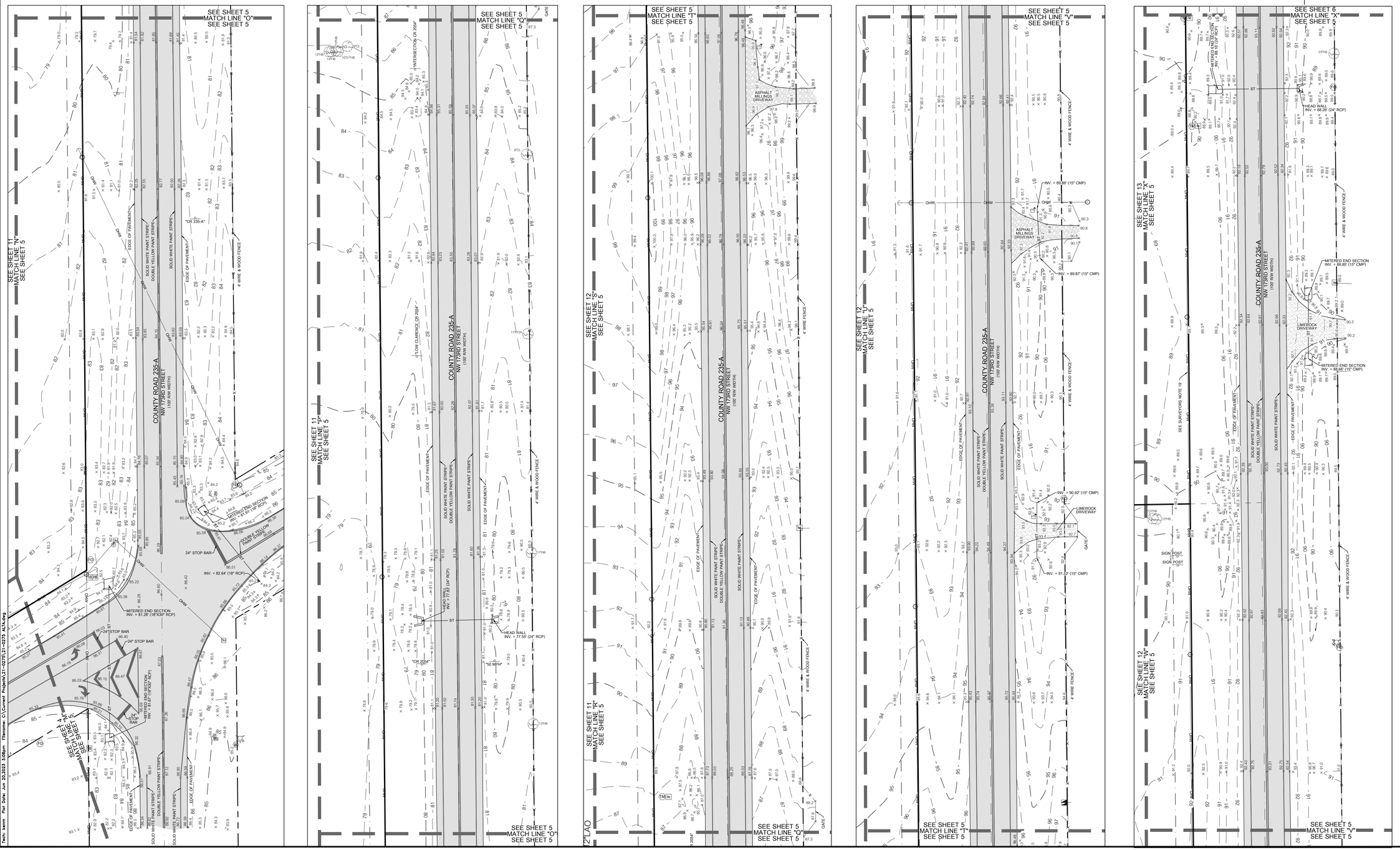
LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

SURVEYOR'S NOTES:

1. THIS SURVEY CONSISTS OF NINETEEN (19) SHEETS AND IS NOT COMPLETE WITHOUT ALL SHEETS. SEE SHEET ONE (1) FOR DESCRIPTIONS, SCHEDULE B-II EXCEPTIONS, VICINITY MAP, TOPOGRAPHIC KEY SHEET, LEGEND, FLOOD ZONE INFORMATION, ZONING INFORMATION, SURVEYOR'S CERTIFICATE AND COMPLETE SURVEYOR'S NOTES. SEE SHEET TWO (2) FOR DETAILED BOUNDARY INFORMATION. SEE SHEETS THREE (3) THROUGH FIFTEEN (15) FOR DETAILED TOPOGRAPHIC INFORMATION. SEE SHEETS SIXTEEN (16) THROUGH NINETEEN (19) FOR TREE TABLE CHART.

GRAPHIC SCALE
0 15 30 60

N


SEE SHEET 11 MATCH LINE "N" SEE SHEET 5
SEE SHEET 5 MATCH LINE "O" SEE SHEET 5
SEE SHEET 11 MATCH LINE "P" SEE SHEET 5
SEE SHEET 5 MATCH LINE "Q" SEE SHEET 5
SEE SHEET 12 MATCH LINE "S" SEE SHEET 5
SEE SHEET 5 MATCH LINE "T" SEE SHEET 5
SEE SHEET 12 MATCH LINE "U" SEE SHEET 5
SEE SHEET 5 MATCH LINE "V" SEE SHEET 5
SEE SHEET 13 MATCH LINE "W" SEE SHEET 5
SEE SHEET 6 MATCH LINE "X" SEE SHEET 5
SEE SHEET 12 MATCH LINE "W" SEE SHEET 5
SEE SHEET 5 MATCH LINE "V" SEE SHEET 5
SEE SHEET 4 MATCH LINE "M" SEE SHEET 5
COUNTY ROAD 235-A
NW 173RD STREET
(100' R/W WIDTH)
EDGE OF PAVEMENT
SOLID WHITE PAINT STRIPE
DOUBLE YELLOW PAINT STRIPE
4' WIRE & WOOD FENCE
24" STOP BAR
MITERED END SECTION INV. = 81.29' (18"X30" RCP)
INV. = 82.64' (18" RCP)
HEAD WALL INV. = 77.55' (24" RCP)
MITERED END SECTION INV. = 81.91' (18" RCP)
HEAD WALL INV. = 77.23' (24" RCP)
MITERED END SECTION INV. = 88.80' (15" CMP)
INV. = 89.87' (15" CMP)
INV. = 89.98' (15" CMP)
INV. = 90.92' (15" CMP)
INV. = 91.12' (15" CMP)
HEAD WALL INV. = 88.26' (24" RCP)
ASPHALT MILLINGS DRIVEWAY
LIMEROCK DRIVEWAY
GATE
SIGN POST
50 MPH
LOW CLEARENCE OR 1994
OR 235-A
OR 2054
TR 1a
TR 1b
TR 2
TR 3
TR 4
TR 5
TR 6
TR 7
TR 8
TR 9
TR 10
TR 11
TR 12
TR 13
TR 14
TR 15
TR 16
TR 17
TR 18
TR 19
TR 20
TR 21
TR

SURVEYOR'S NOTES:

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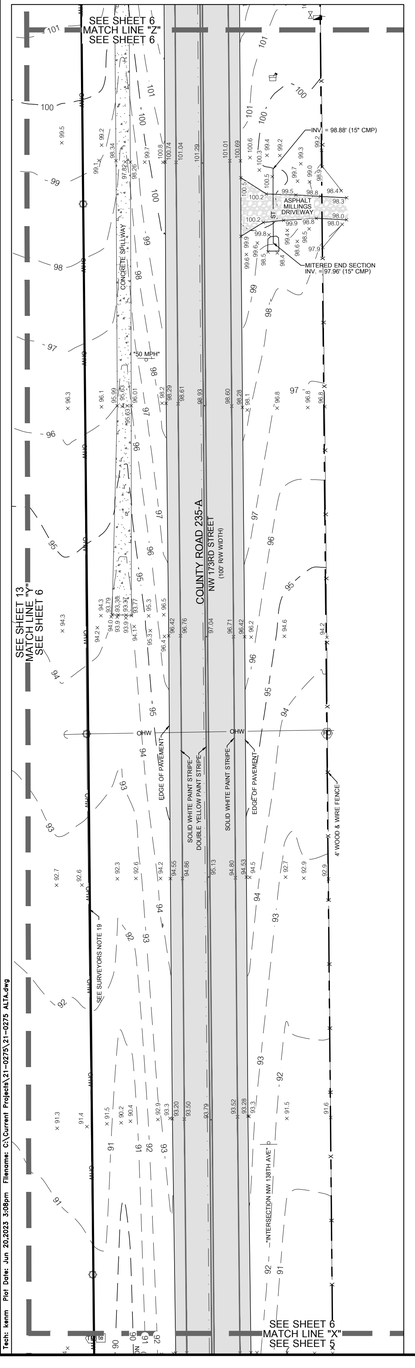
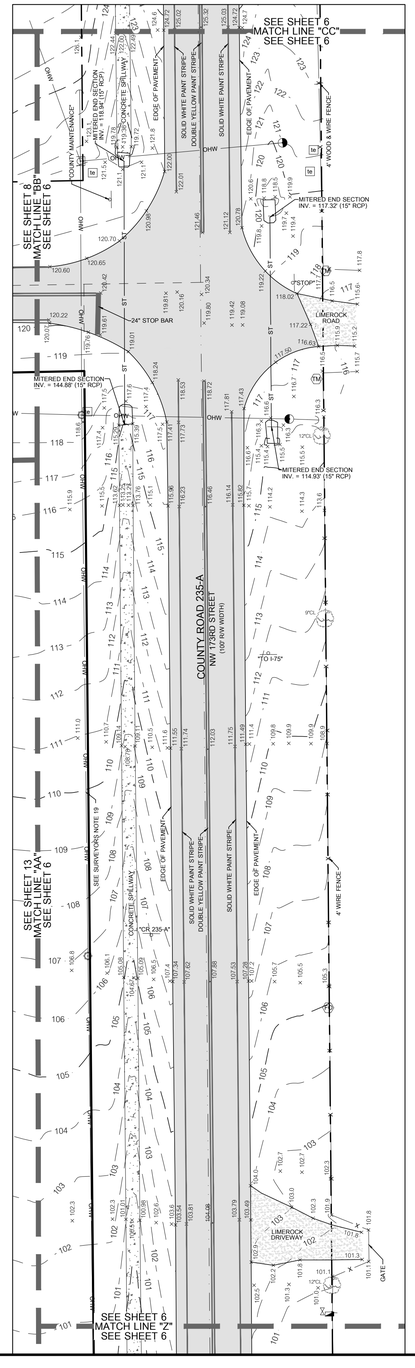
ALTA / NSPS SURVEY

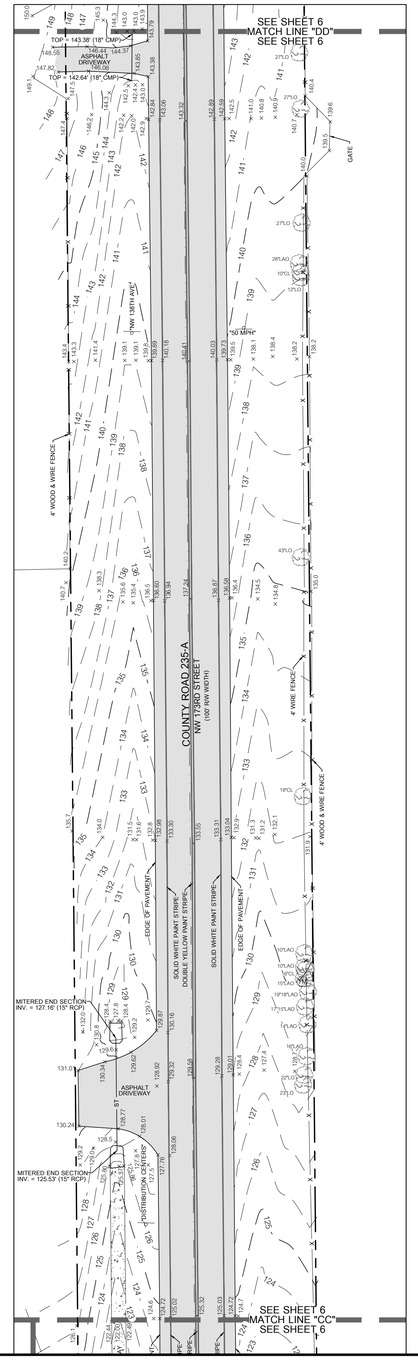
LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

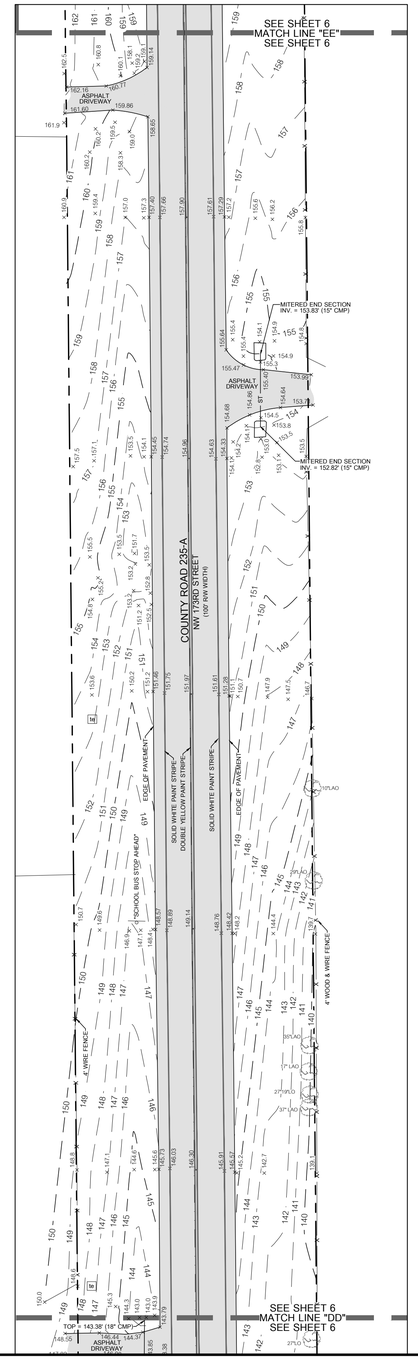
GRAPHIC SCALE
0 15 30 60

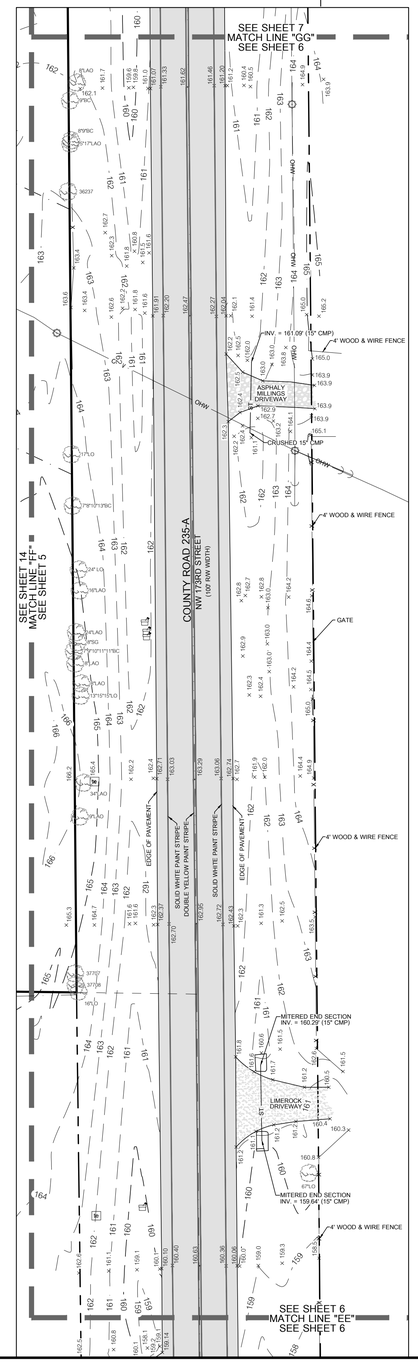
N











SEE SHEET ONE OF NINETEEN

REVISION 04/19/2023, EDITED NOTE

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THIS SHEET ADJUST
SCALES ACCORDINGLY.

0 1"

CERTIFIED TO:

TECHNICIAN:	SURVEY DATE:
KWM	03/17/2023
CREW CHIEF:	REVISION DATE:
CAC	04/19/2023
CHECKED BY:	PROJECT NUMBER:
CAC	21-0275
FIELD BOOK & PAGE:	
649 (1-10), 15-22, 43, 47	
21-01	

This map prepared by:

CHAD A. COLSON

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SEE SHEET ONE OF NINETEEN

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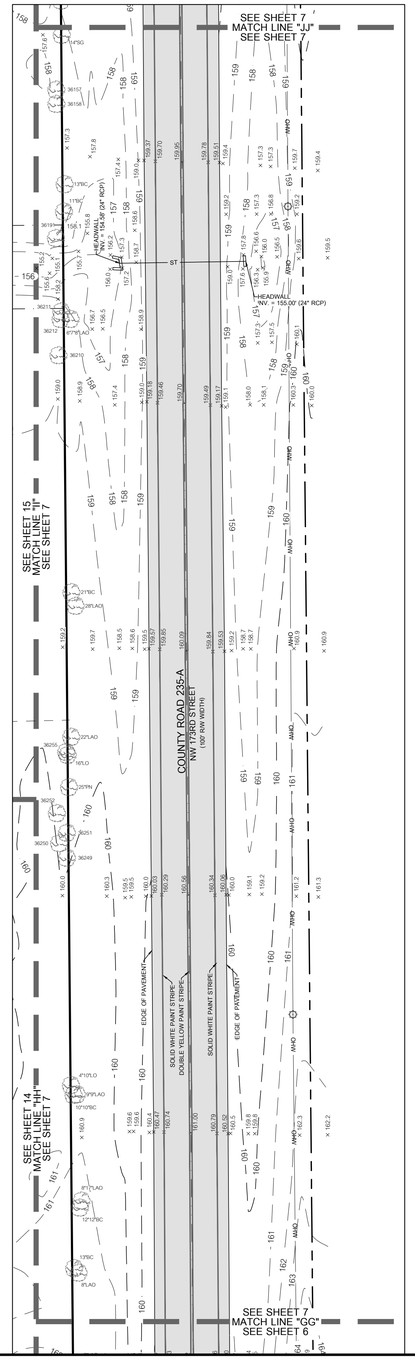
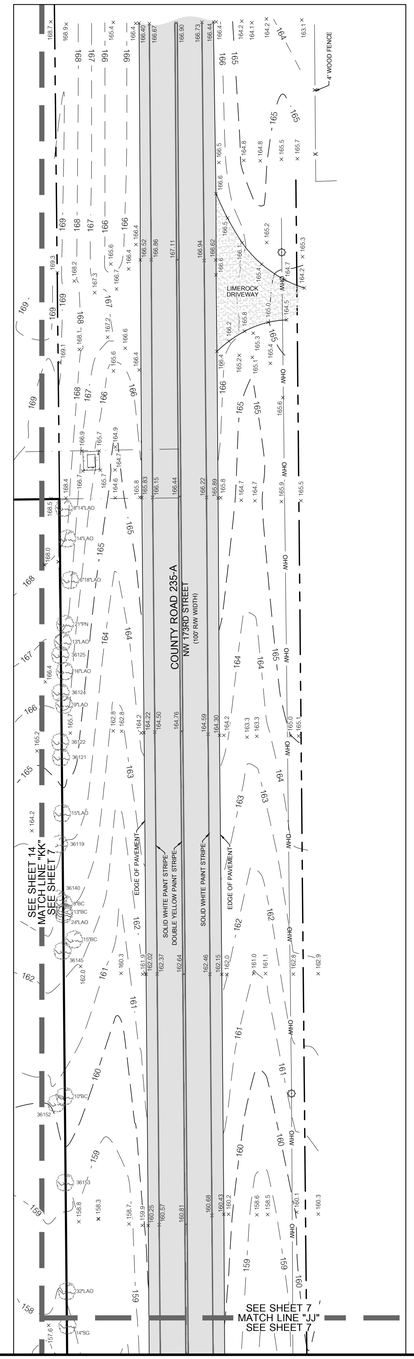
SHEET NO.:
6 OF 19

Tech: kwm Ref Date: Jun 20,2023 3:06pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA







GRAPHIC SCALE

0 15 30 60

SURVEYOR'S NOTES:

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SCALES ACCORDINGLY.

SEE SHEET ONE OF NINETEEN

REVISION (04/19/2023- EDITED NOTE

CERTIFIED TO:

TECHNICIAN: KWM	SURVEY DATE: 03/17/2023
CREW CHIEF: JW	REVISION DATE: 04/19/2023
CHECKED BY: CAC	PROJECT NUMBER: 21-0275
FIELD BOOK & PAGE: 669	1-10, 15-22, 43, 47

This map prepared by:

CHAD A. COLSON

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DIGITAL SIGNATURE OF A FLORIDA
LICENSED SURVEYOR AND MAPPER

SEE SHEET ONE OF NINETEEN

Professional Surveyor & Mapper Fla. License No. 7142

SHEET NO.:
7 OF 19

Tech: kwm Plot Date: Jan 20,2023 3:59pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

SURVEYOR'S NOTES:

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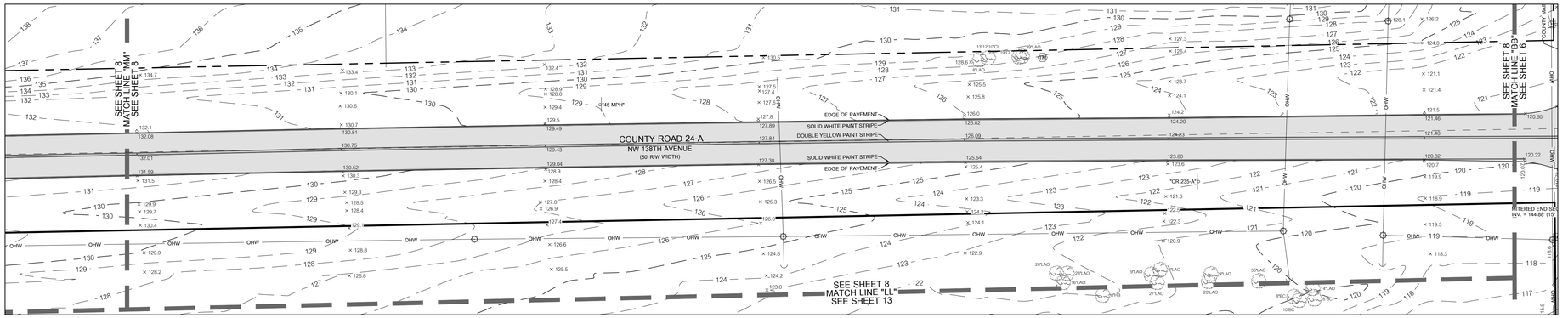
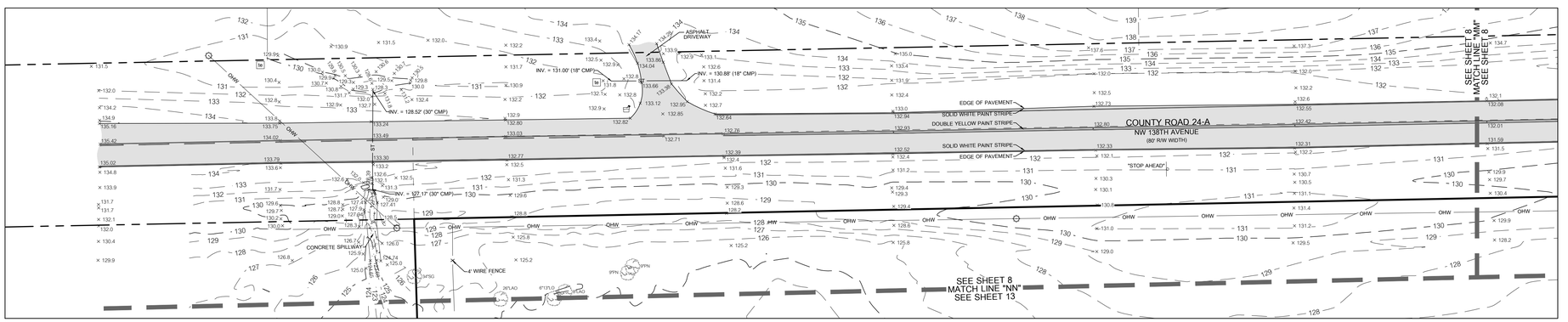
N

GRAPHIC SCALE

0 15 30 60





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CERTIFIED TO:

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REVISION 04/19/2023: EDITED NOTE

SURVEY DATE: 03/17/2023
REVISION DATE: 04/19/2023
PROJECT NUMBER: 21-0275

TECHNICIAN: KWM
CREW CHIEF: JW
CHECKED BY: CAC
FIELD BOOK & PAGE: 669 / 1-10, 15-22, 43, 47 & FILE

CHAD A. COLSON

SEE SHEET ONE OF NINETEEN

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SHEET NO.:
8 OF 19

Tech: kwm Plot Date: Jun 20,2023 3:09pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

SURVEYOR'S NOTES:

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GRAPHIC SCALE

0 15 30 60

N



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SEE SHEET ONE OF NINETEEN

CERTIFIED TO:

SURVEY DATE: 03/17/2023

REVISION DATE: 05/15/2023

PROJECT NUMBER: 21-0275

TECHNICIAN: KWM

CREW CHIEF: JW

CHECKED BY: CAC

FIELD BOOK & PAGE: 669 / 1-10, 15-22, 43, 47 & FILE

CHAD A. COLSON

SEE SHEET ONE OF NINETEEN

Professional Surveyor & Mapper Fla. License No. 7142

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SHEET NO.:
9 OF 19

Tech: kenn Plot Date: Jun 20,2023 3:09pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

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GRAPHIC SCALE
0 15 30 60

N

LOT 11, HARRINGTON PLANTATION
PLAT BOOK 7, PAGE 56
PARCEL ID: 03900-010-011
CURRENT OWNER:
BATTE JUSTIN & CANDACE LAUREN

LOT 10, HARRINGTON PLANTATION
PLAT BOOK 7, PAGE 56
PARCEL ID: 03900-010-010
CURRENT OWNER:
DELGADO & MILLER H/W

LOTS 8 & 9, HARRINGTON PLANTATION
PLAT BOOK 7, PAGE 56
PARCEL ID: 03900-010-009
CURRENT OWNER:
DELGADO & MILLER H/W

LOT 7, HARRINGTON PLANTATION
PLAT BOOK 7, PAGE 56
PARCEL ID: 03900-010-007
CURRENT OWNER:
HARRINGTON JAMES T III

LOT 6, HARRINGTON PLANTATION
PLAT BOOK 7, PAGE 56
PARCEL ID: 03900-010-006
CURRENT OWNER:
HARRINGTON JAMES T III

LOT 5, HARRINGTON PLANTATION
PLAT BOOK 7, PAGE 56
PARCEL ID: 03900-010-005
CURRENT OWNER:
PURVIS WALLACE RAY JR.

SCHEDULE B-II
ITEM # 10 & 19
50' MINERAL RESTS
(PER O.R.B 2004, PAGE 146,
MISCELLANEOUS BOOK 32, PAGE 94)

PARCEL 1
PARCEL ID: 03894-000-000

SEE SHEET 10
MATCH LINE "PP".
SEE SHEET 9

SEE SHEET 10
MATCH LINE "QQ".
SEE SHEET 12

REVISION 05/15/2023: ADDED EXCEPTION
REVISION 04/19/2023: EDITED NOTE

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SCALES ACCORDINGLY.
0 1"

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CERTIFIED TO:

SURVEY DATE: 03/17/2023	
TECHNICIAN: KWM	REVISION DATE: 05/15/2023
CREW CHIEF: KW	CHECKED BY: CAC
FIELD BOOK & PAGE: 469 (1-10), 15-22, 43, 47	PROJECT NUMBER: 21-0275

CHAD A. COLSON

Professional Surveyor & Mapper Fla. License No. 7142

SEE SHEET ONE OF NINETEEN

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SHEET NO.:
10 OF 19

Kevin Mann PKA Date: Jun 20,2023, 3:05pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

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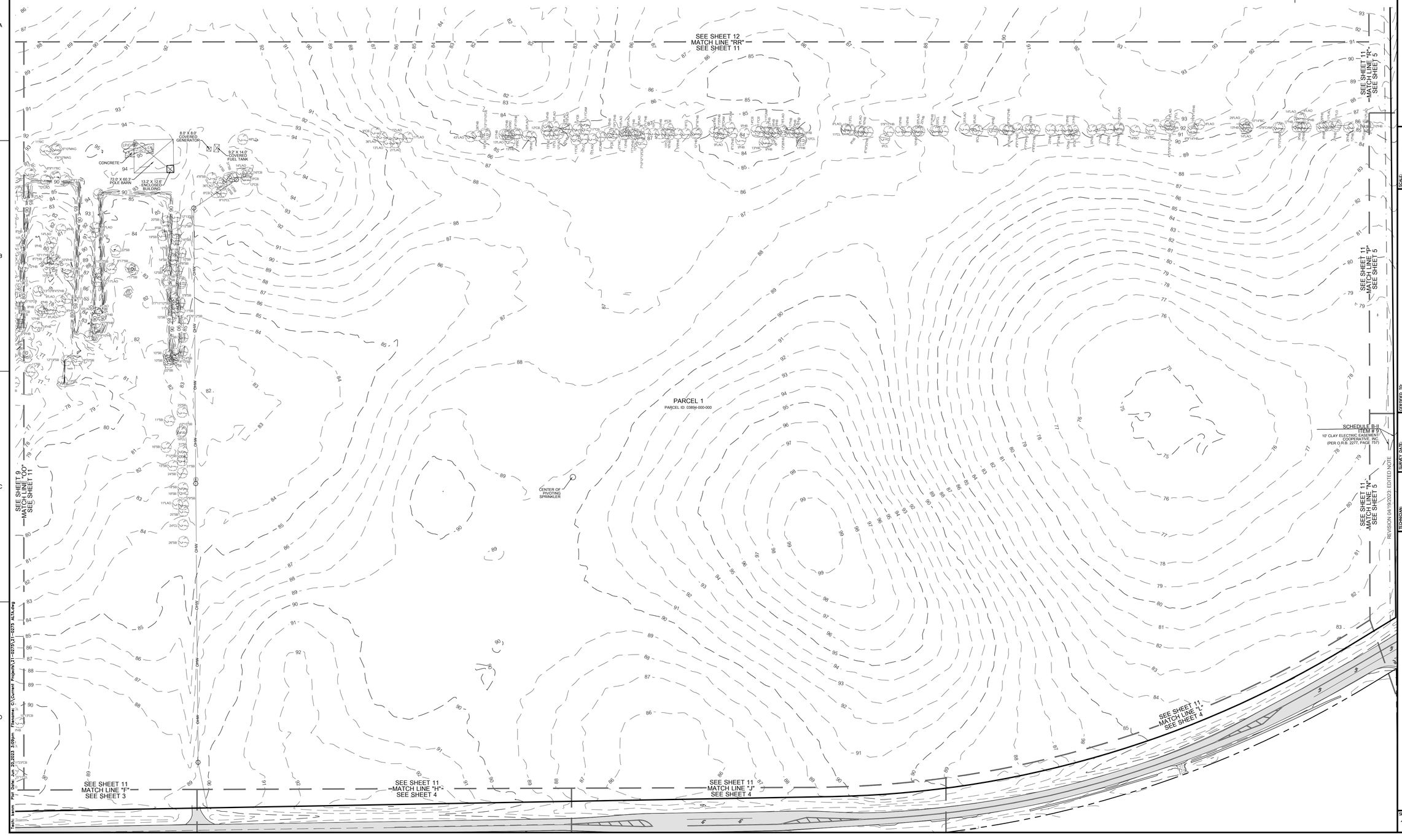
GRAPHIC SCALE
0 15 30 60

N



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CERTIFIED TO:

SURVEY DATE: 03/17/2023
REVISION DATE: 04/19/2023
PROJECT NUMBER: 21-0275

TECHNICIAN: KWM
CREW CHIEF: JM
CHECKED BY: CAC
FIELD BOOK & PAGE: 699 | 1-10, 15-22, 43, 47 & 54

CHAD A. COLSON

SEE SHEET ONE OF NINETEEN

Professional Surveyor & Mapper Fla. License No. 7142

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DIGITAL SIGNATURE OF A FLORIDA
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SHEET NO.:
11 OF 19

Plot Date: Jun 20,2023 3:08pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg
Tech: kwm

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

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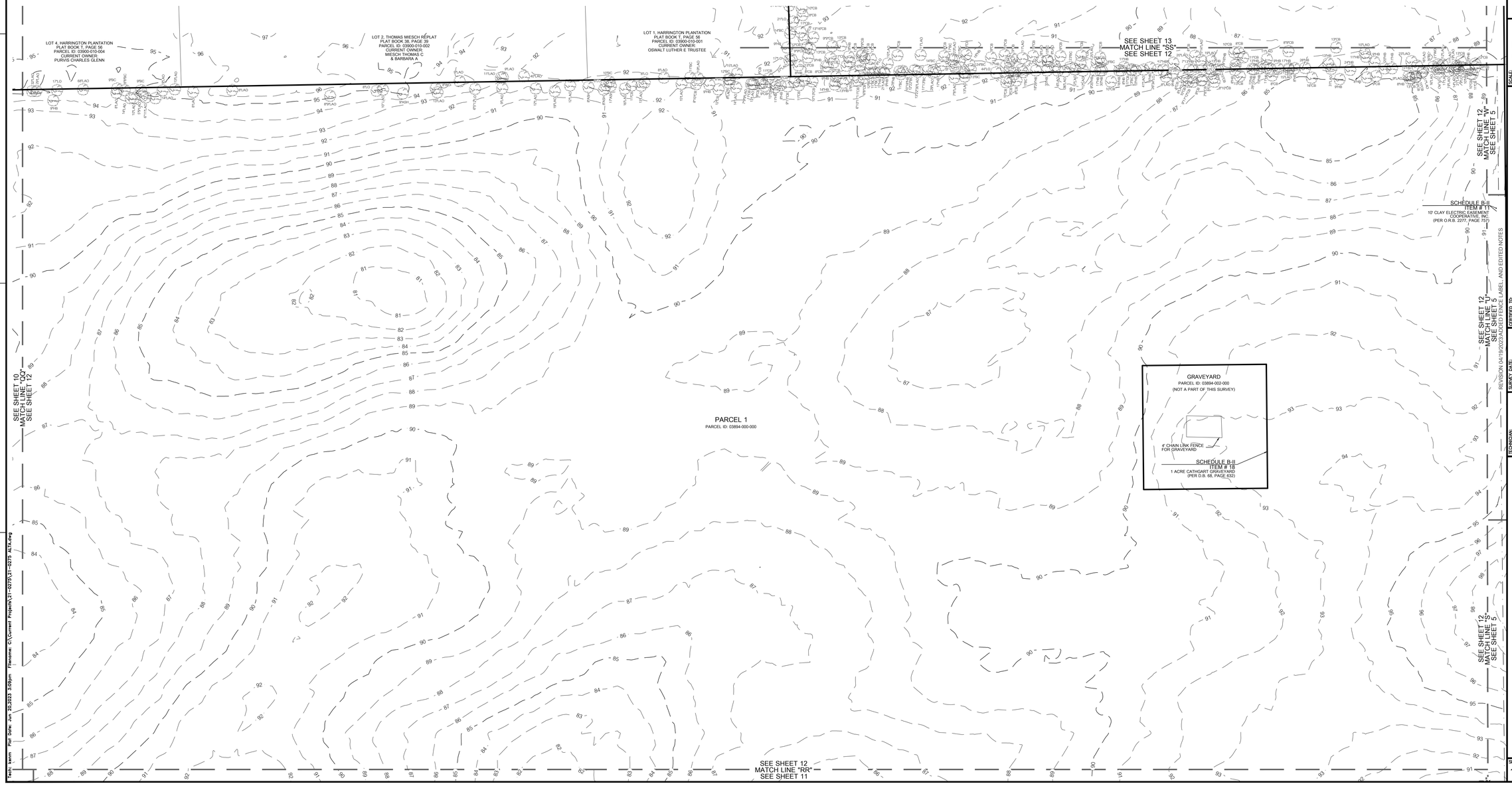
N

GRAPHIC SCALE

0 15 30 60



REVISION 04/19/2023 ADDED FENCE LABEL, AND EDITED NOTES

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PROJECT NUMBER: 21-0275

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CREW CHIEF: JW
CHECKED BY: CAC
FIELD BOOK & PAGE: 669 / 1-10, 15-22, 43, 47 & FILE

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SEE SHEET ONE OF NINETEEN

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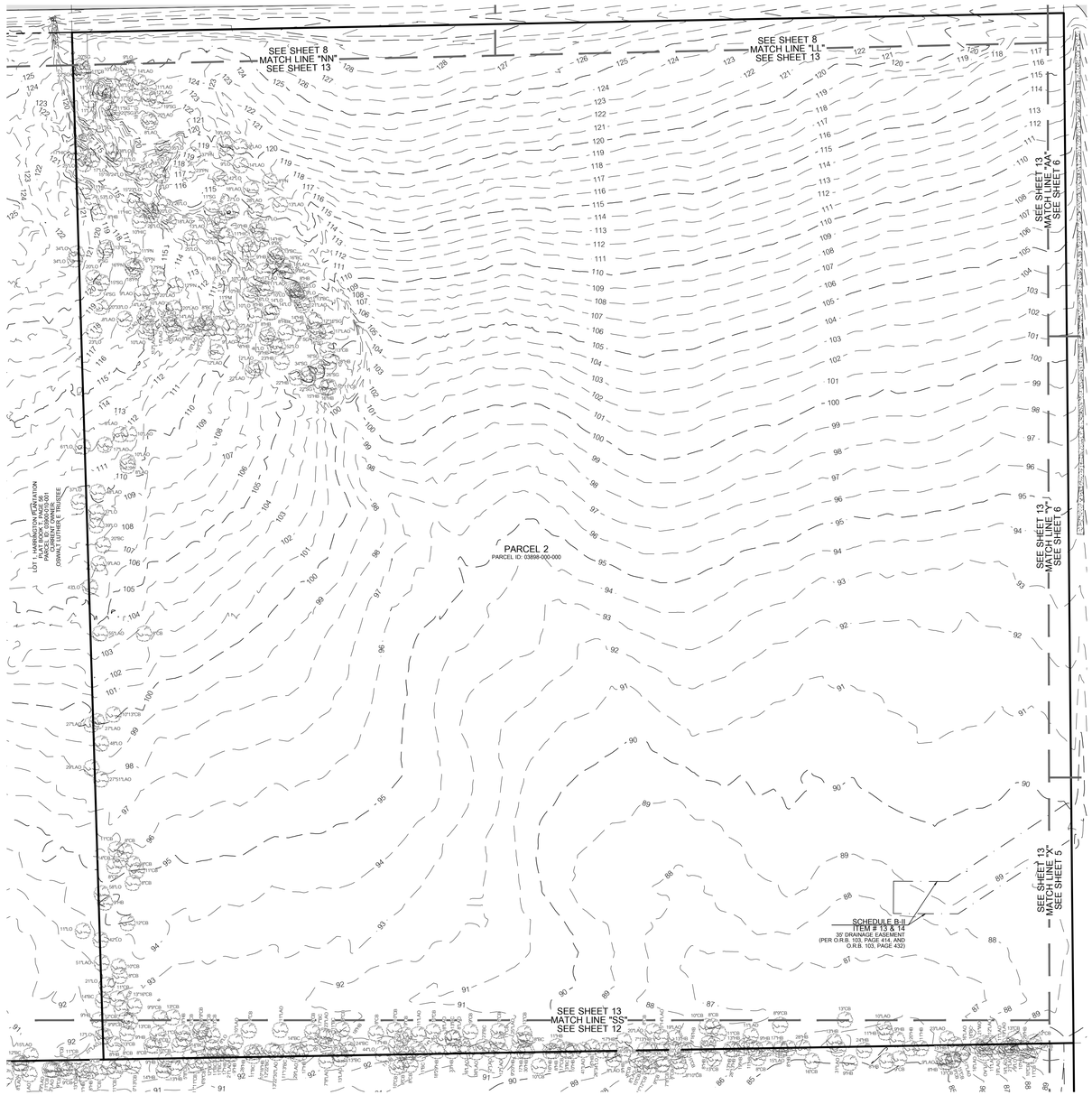
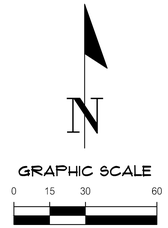
LICENSED SURVEYOR AND MAPPER

Tech: kenm Plot Date: Jun 20,2023 3:09pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST,
ALACHUA COUNTY, FLORIDA





SURVEYOR'S NOTES:

1. THIS SURVEY CONSISTS OF NINETEEN (19) SHEETS AND IS NOT COMPLETE WITHOUT ALL SHEETS. SEE SHEET ONE (1) FOR DESCRIPTIONS, SCHEDULE B-II EXCEPTIONS, VICINITY MAP, TOPOGRAPHIC KEY SHEET, LEGEND, FLOOD ZONE INFORMATION, ZONING INFORMATION, SURVEYOR'S CERTIFICATE AND COMPLETE SURVEYOR'S NOTES. SEE SHEET TWO (2) FOR DETAILED BOUNDARY INFORMATION. SEE SHEETS THREE (3) THROUGH FIFTEEN (15) FOR DETAILED TOPOGRAPHIC INFORMATION. SEE SHEETS SIXTEEN (16) THROUGH NINETEEN (19) FOR TREE TABLE CHART.

REVISION 05/15/2023: EDITED EXCEPTION
REVISION 04/19/2023: EDITED NOTE

11801 Research Drive
Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA
CA-5075

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SCALE: 1" = 30'

VERIFY SCALE
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0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CERTIFIED TO:

SEE SHEET ONE OF NINETEEN

SURVEY DATE: 03/17/2023
REVISION DATE: 05/15/2023
PROJECT NUMBER: 21-0275

TECHNICIAN: KWM
CREW CHIEF: JW
CHECKED BY: CAC
FIELD BOOK & PAGE: 669 / 1-10, 15-22, 43, 47 & FILE

CHAD A. COLSON

SEE SHEET ONE OF NINETEEN

Professional Surveyor & Mapper Fla. License No. 7142

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SHEET NO.:
13 OF 19

Tech: kenm Plot Date: Jun 20,2023 3:09pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

SURVEYOR'S NOTES:

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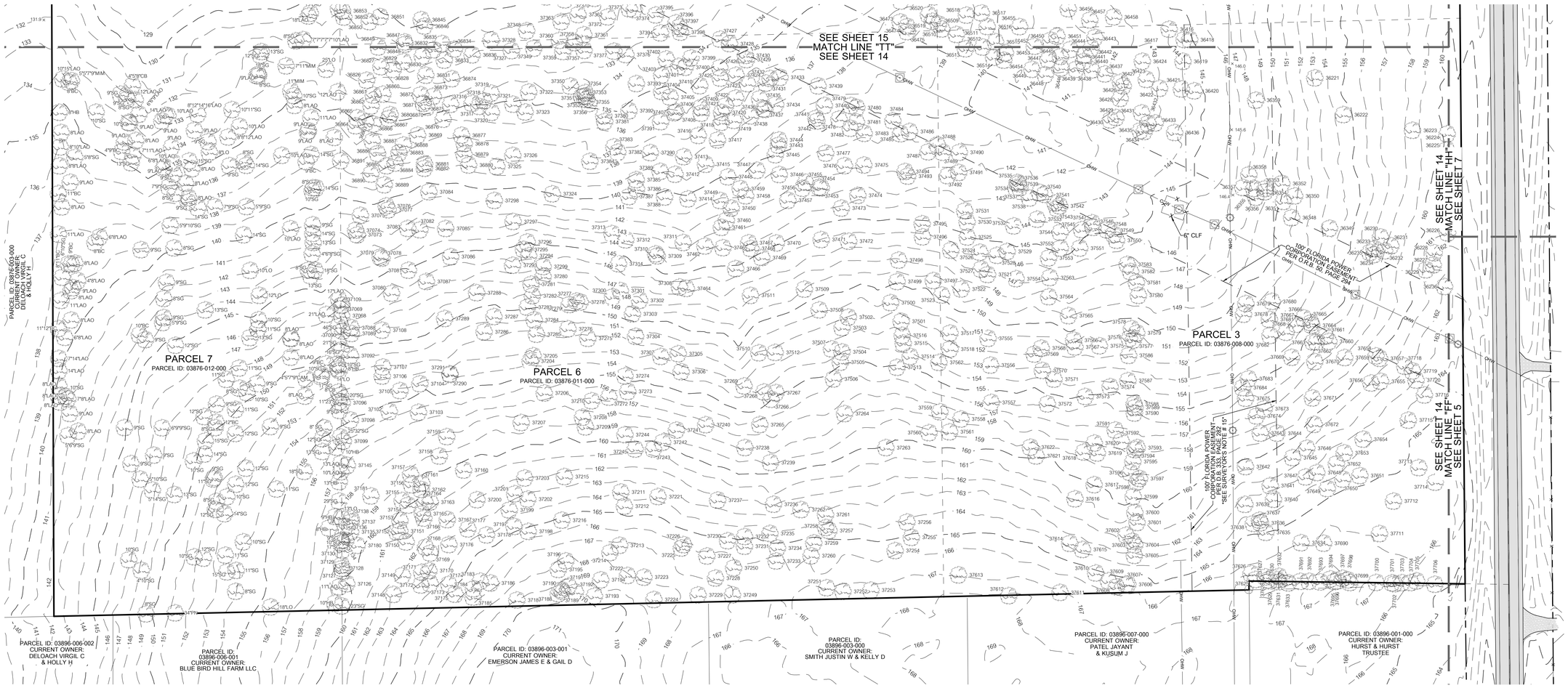
N

GRAPHIC SCALE

0 15 30 60



REVISION 04/19/2023: EDITED NOTE

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14 OF 19

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ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

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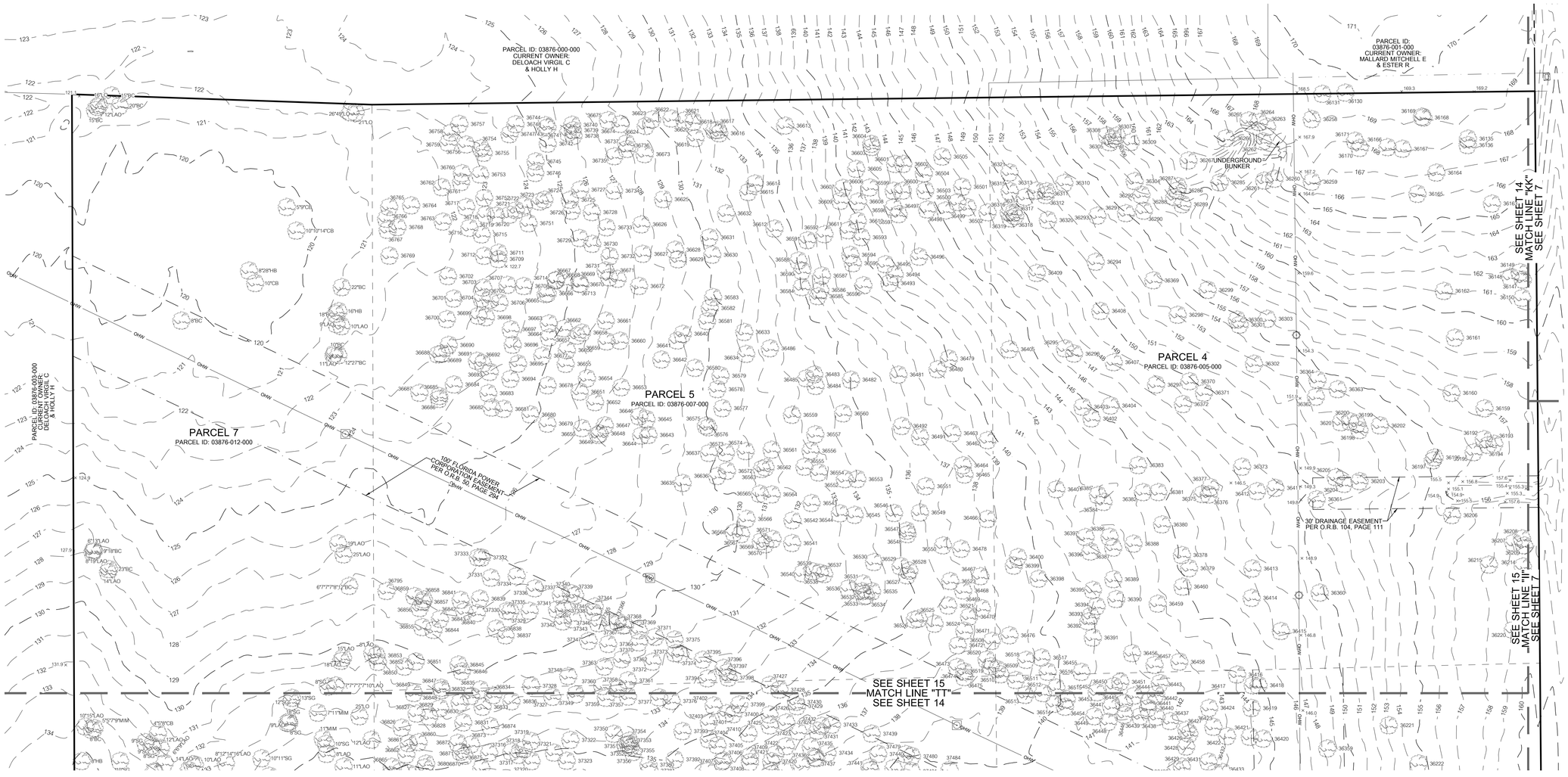

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FIELD BOOK & PAGE: 669 / 1-10, 15-22, 43, 47 & FILE

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SHEET NO.:
15 OF 19

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ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

TREE TABLE CHART

TREE #	SIZE	COMMON NAME	SCIENTIFIC NAME
36119	28"	LIVE OAK	QUERCUS VIRGINIANA
36121	16"	LAUREL OAK	QUERCUS LAURIFOLIA
36122	13"	LAUREL OAK	QUERCUS LAURIFOLIA
36124	18"	LIVE OAK	QUERCUS VIRGINIANA
36125	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36130	38"	LAUREL OAK	QUERCUS LAURIFOLIA
36131	24"	PINE	PINUS
36135	6" 13"	LAUREL OAK	QUERCUS LAURIFOLIA
36136	11"	HACKBERRY	CELTIS OCCIDENTALIS
36140	17"	LAUREL OAK	QUERCUS LAURIFOLIA
36145	10"	BLACK CHERRY	PRUNUS SEROTINA
36147	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36148	7" 8"	LAUREL OAK	QUERCUS LAURIFOLIA
36149	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36150	11"	LAUREL OAK	QUERCUS LAURIFOLIA
36152	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36153	14"	BLACK CHERRY	PRUNUS SEROTINA
36157	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36158	15"	BLACK CHERRY	PRUNUS SEROTINA
36159	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36160	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36161	9"	BLACK CHERRY	PRUNUS SEROTINA
36162	11"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36163	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36164	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36165	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36166	10"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36167	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36168	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36169	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36170	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36171	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36191	23"	PINE	PINUS
36192	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36193	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36194	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36195	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36196	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36197	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36198	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36199	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36200	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36201	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36202	9"	MIMOSA	ALBIZIA JULIBRISSIN
36203	9" 10"	MIMOSA	ALBIZIA JULIBRISSIN
36204	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
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36209	12"	LAUREL OAK	QUERCUS LAURIFOLIA
36210	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36211	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36212	15"	BLACK CHERRY	PRUNUS SEROTINA
36214	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36215	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36220	13"	LAUREL OAK	QUERCUS LAURIFOLIA
36221	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36222	12"	BLACK CHERRY	PRUNUS SEROTINA
36223	12"	BLACK CHERRY	PRUNUS SEROTINA
36224	12"	LAUREL OAK	QUERCUS LAURIFOLIA
36225	12"	LAUREL OAK	QUERCUS LAURIFOLIA
36226	14"	LAUREL OAK	QUERCUS LAURIFOLIA
36227	5" 11"	LAUREL OAK	QUERCUS LAURIFOLIA
36228	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36229	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36230	17"	BLACK CHERRY	PRUNUS SEROTINA
36231	11"	LAUREL OAK	QUERCUS LAURIFOLIA
36232	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36233	11"	LAUREL OAK	QUERCUS LAURIFOLIA
36234	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36235	8" 9"	LAUREL OAK	QUERCUS LAURIFOLIA
36236	14"	LAUREL OAK	QUERCUS LAURIFOLIA
36237	15"	LAUREL OAK	QUERCUS LAURIFOLIA
36249	9"	BLACK CHERRY	PRUNUS SEROTINA
36250	20"	LIVE OAK	QUERCUS VIRGINIANA
36251	31"	LAUREL OAK	QUERCUS LAURIFOLIA
36252	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36255	12"	LAUREL OAK	QUERCUS LAURIFOLIA
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36264	25"	LAUREL OAK	QUERCUS LAURIFOLIA
36265	13"	LAUREL OAK	QUERCUS LAURIFOLIA
36266	12" 13"	LAUREL OAK	QUERCUS LAURIFOLIA
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36285	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA

TREE TABLE CHART

TREE TABLE CHART

TREE TABLE CHART

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0 1"

SEE SHEET ONE OF NINETEEN

REVISION 04/19/2023: EDITED NOTE

CERTIFIED TO:

SURVEY DATE: 03/17/2023
REVISION DATE: 04/19/2023
PROJECT NUMBER: 21-0275

TECHNICIAN: KWM
CREW CHIEF: KWM
CHECKED BY: CAC
FIELD BOOK & PAGE: 668 (1-10, 15-22, 43, 47 & 51-53)

CHAD A. COLSON
SEE SHEET ONE OF NINETEEN
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SHEET NO.: 16 OF 19

Path: kevin Plot Date: Jun 20,2023 3:10pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

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ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

TREE TABLE CHART

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TREE TABLE CHART

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SHEET NO.: 17 OF 19

Path: kevin Plot Date: Jun 20,2023 5:11pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

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ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

TREE TABLE CHART

TREE #	SIZE	COMMON NAME	SCIENTIFIC NAME
36119	28"	LIVE OAK	QUERCUS VIRGINIANA
36121	16"	LAUREL OAK	QUERCUS LAURIFOLIA
36122	13"	LAUREL OAK	QUERCUS LAURIFOLIA
36124	18"	LIVE OAK	QUERCUS VIRGINIANA
36125	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36130	38"	LAUREL OAK	QUERCUS LAURIFOLIA
36131	24"	PINE	PINUS
36135	6" 13"	LAUREL OAK	QUERCUS LAURIFOLIA
36136	11"	HACKBERRY	CELTIS OCCIDENTALIS
36140	17"	LAUREL OAK	QUERCUS LAURIFOLIA
36145	10"	BLACK CHERRY	PRUNUS SEROTINA
36147	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36148	7" 8"	LAUREL OAK	QUERCUS LAURIFOLIA
36149	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36150	11"	LAUREL OAK	QUERCUS LAURIFOLIA
36152	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36153	14"	BLACK CHERRY	PRUNUS SEROTINA
36157	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36158	15"	BLACK CHERRY	PRUNUS SEROTINA
36159	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36160	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36161	9"	BLACK CHERRY	PRUNUS SEROTINA
36162	11"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36163	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36164	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36165	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36166	10"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36167	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36168	8"	LAUREL OAK	QUERCUS LAURIFOLIA
36169	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36170	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36171	9"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
36191	23"	PINE	PINUS
36192	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36193	8"	LAUREL OAK	QUERCUS LAURIFOLIA
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36203	9" 10"	MIMOSA	ALBIZIA JULIBRISSIN
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36211	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36212	15"	BLACK CHERRY	PRUNUS SEROTINA
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36221	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36222	12"	BLACK CHERRY	PRUNUS SEROTINA
36223	12"	BLACK CHERRY	PRUNUS SEROTINA
36224	12"	LAUREL OAK	QUERCUS LAURIFOLIA
36225	12"	LAUREL OAK	QUERCUS LAURIFOLIA
36226	14"	LAUREL OAK	QUERCUS LAURIFOLIA
36227	5" 11"	LAUREL OAK	QUERCUS LAURIFOLIA
36228	9"	LAUREL OAK	QUERCUS LAURIFOLIA
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36232	9"	LAUREL OAK	QUERCUS LAURIFOLIA
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36262	9"	LAUREL OAK	QUERCUS LAURIFOLIA
36263	10"	LAUREL OAK	QUERCUS LAURIFOLIA
36264	25"	LAUREL OAK	QUERCUS LAURIFOLIA
36265	13"	LAUREL OAK	QUERCUS LAURIFOLIA
36266	12" 13"	LAUREL OAK	QUERCUS LAURIFOLIA
36267	16"	LIVE OAK	QUERCUS VIRGINIANA
36285	8"	SWEETGUM	LIQUIDAMBAR STYRACIFLUA

TREE TABLE CHART

TREE TABLE CHART

TREE TABLE CHART

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REVISION 04/19/2023 EDITED NOTE

CERTIFIED TO:

SURVEY DATE: 03/17/2023
REVISION DATE: 04/19/2023
PROJECT NUMBER: 21-0275

TECHNICIAN: KWM
CREW CHIEF: JM
CHECKED BY: CAC
FIELD BOOK & PAGE: 668 (1-10, 15-22, 43, 47 & 51-53)

CHAD A. COLSON

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Professional Surveyor & Mapper Fla. License No. 7142

This map prepared by:

Certificate of Authorization No. L.B. 5075
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SHEET NO.:
18 OF 19

Path: kevin Plot Date: Jun 20,2023 5:11pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

SURVEYOR'S NOTES:

1. THIS SURVEY CONSISTS OF NINETEEN (19) SHEETS AND IS NOT COMPLETE WITHOUT ALL SHEETS. SEE SHEET ONE (1) FOR DESCRIPTIONS, SCHEDULE B-II EXCEPTIONS, VICINITY MAP, TOPOGRAPHIC KEY SHEET, LEGEND, FLOOD ZONE INFORMATION, ZONING INFORMATION, SURVEYOR'S CERTIFICATE AND COMPLETE SURVEYOR'S NOTES. SEE SHEET TWO (2) FOR DETAILED BOUNDARY INFORMATION. SEE SHEETS THREE (3) THROUGH FIFTEEN (15) FOR DETAILED TOPOGRAPHIC INFORMATION. SEE SHEETS SIXTEEN (16) THROUGH NINETEEN (19) FOR TREE TABLE CHART.

ALTA / NSPS SURVEY

LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, ALACHUA COUNTY, FLORIDA

TREE TABLE CHART

TREE #	SIZE	COMMON NAME	SCIENTIFIC NAME
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REVISION (04/19/2023): EDITED NOTE

CERTIFIED TO:

SURVEY DATE: 03/17/2023
REVISION DATE: 04/19/2023
PROJECT NUMBER: 21-0275

TECHNICIAN: KWM
CREW CHIEF: JW
CHECKED BY: CAC
FIELD BOOK # PAGE: 869 | 1-10, 15-22, 43, 47 & 1-5

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This map prepared by:

CHAD A. COLSON

Professional Surveyor & Mapper Fla. License No. 7142

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SHEET NO.:
19 OF 19

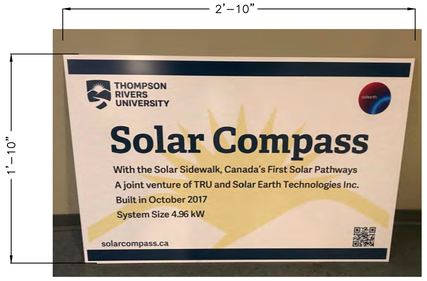
Tech: kwm Plot Date: Jun 20,2023 3:11pm Filename: C:\Current Projects\21-0275\21-0275 ALTA.dwg

NOTE: GRAPHIC PROVIDED IS AN EXAMPLE, NOT ACTUAL SIGN. CONTRACTOR TO PLACE "SOLAR SAFETY SIGN" EVERY 1,000 FT. ALONG THE FENCE. ATTACH PER THE MANUFACTURER'S RECOMMENDATION.

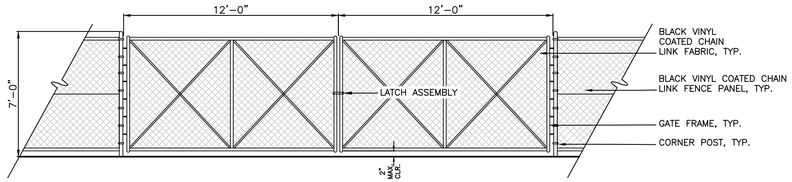


1 SOLAR SAFETY SIGN
SCALE: N.T.S.

NOTE: GRAPHIC PROVIDED IS AN EXAMPLE, NOT ACTUAL SIGN. ACTUAL SIGN TO INCLUDE PROJECT OWNER INFORMATION (PLEASANT SOLAR LLC) AND SYSTEM SIZE INFORMATION (74.9kW). ENTRANCE SIGN TO BE INSTALLED AT MAIN ENTRY ALONG PEGGY RD/NW CR 2054. CONTRACTOR TO INSTALL PER MANUFACTURER'S RECOMMENDATION.



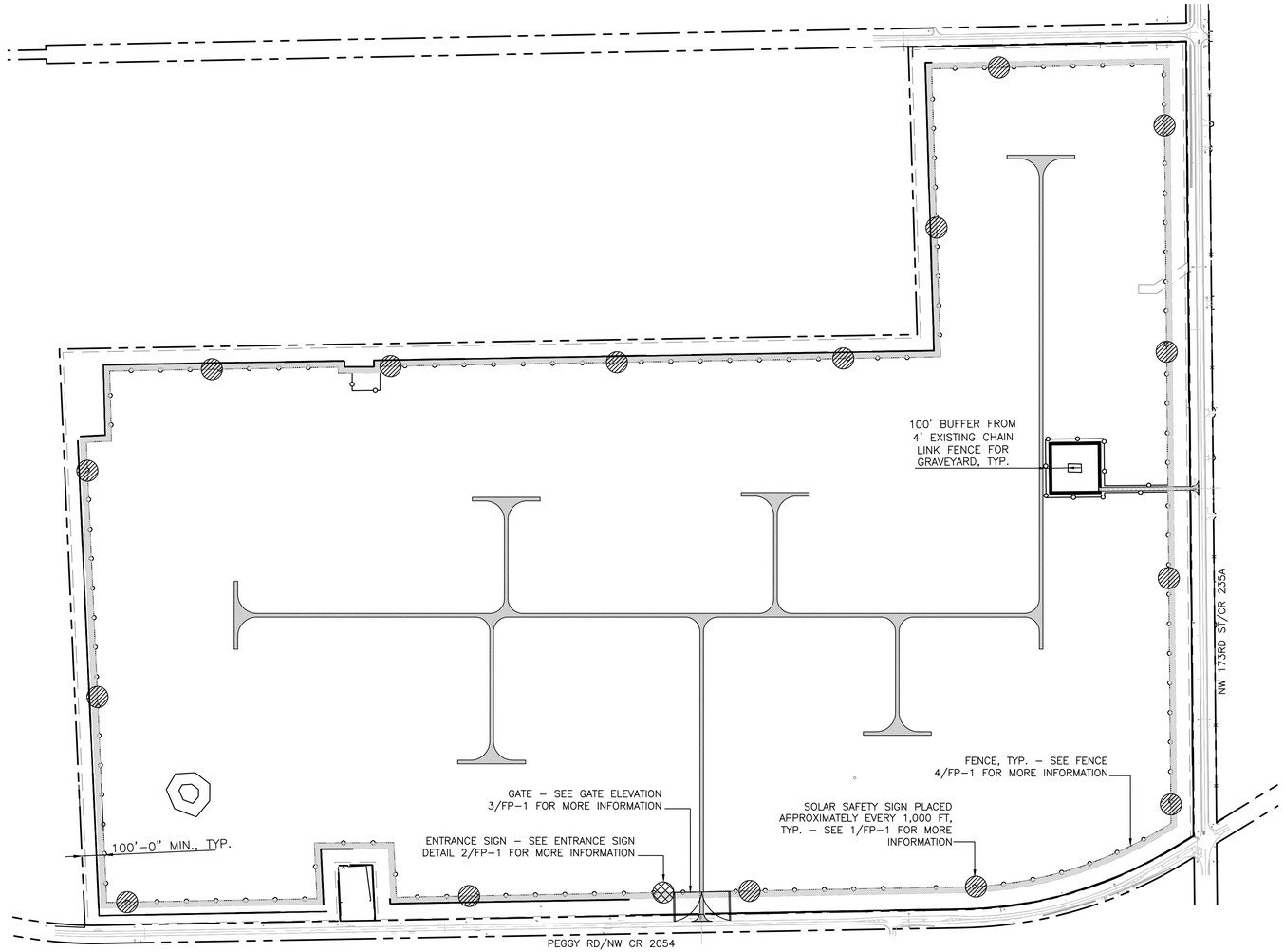
2 ENTRANCE SIGN
SCALE: N.T.S.



3 GATE ELEVATION
SCALE: 1/4" = 1'-0"



4 FENCE
SCALE: N.T.S.



5 FENCE PLAN
SCALE: 1" = 300'-0"

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
09/14/2023 - SUBMITTAL TO CITY OF ALACHUA
03/07/2024 - SUBMITTAL TO CITY OF ALACHUA
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: FENCING PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: FP-1

Tech: john-michaels Plot Date: May 14,2024 4:55pm Filename: N:\2021\21-0275\Departments\03_Design\02_DWGs\01_Permitting\21-0275 Design Base.dwg

LANDSCAPED AREA REQUIREMENT

PER CITY OF ALACHUA COMPREHENSIVE PLAN FUTURE LAND USE ELEMENT, POLICY 2.4.A

TOTAL SITE AREA.....320.50 ACRES

ADJUSTED SITE AREA.....26.00 ACRES

SITE LANDSCAPE CALCULATIONS [Sec. 6.2.2(D)(1)(b)]*

DESCRIPTION	TREE REQUIREMENTS	TREES PROVIDED
PRIMARY SIDE CANOPY TREES (EAST SIDE)	4 TREES PER ACRE X 26.00 ACRES = 104 CANOPY TREES REQUIRED	104 CANOPY TREES PROVIDED
REAR SIDE CANOPY TREES (WEST SIDE)	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	78 CANOPY TREES PROVIDED
SOUTH SIDE CANOPY TREES	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	78 CANOPY TREES PROVIDED
NORTH SIDE CANOPY TREES	3 TREES PER ACRE X 26.00 ACRES = 78 TREES REQUIRED	78 CANOPY TREES PROVIDED
SITE UNDERSTORY TREES	8 UNDERSTORY TREES PER ACRE X 26.00 ACRES = 208 TREES REQUIRED 50% IN FRONT (EAST SIDE) = 104 TREES REQUIRED 25% ON NORTH SIDE = 52 TREES REQUIRED 25% ON SOUTH SIDE = 52 TREES REQUIRED	EAST 104 UNDERSTORY TREES PROVIDED NORTH 52 UNDERSTORY TREES PROVIDED SOUTH 52 UNDERSTORY TREES PROVIDED
*SITE LANDSCAPE CALCULATIONS HAVE BEEN ADJUSTED AS OUTLINED IN THE ALTERNATIVE LANDSCAPE PLAN. REFER TO THE ALTERNATIVE LANDSCAPE PLAN FOR MORE INFORMATION.		

PERIMETER BUFFER LANDSCAPE REQUIREMENTS [Section 6.2.2(D)(3)]

LOCATION	BUFFER LENGTH & TYPE	LANDSCAPE REQUIRED	LANDSCAPE PROVIDED
EAST PERIMETER	3,512 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 140 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 88 UNDERSTORY TREES REQUIRED	CONTINUOUS HEDGE PROVIDED 140 CANOPY TREES PROVIDED 88 UNDERSTORY TREES PROVIDED
WEST PERIMETER	2,548 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 102 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 64 UNDERSTORY TREES REQUIRED	CONTINUOUS HEDGE PROVIDED 76 EXISTING CANOPY TREES 26 CANOPY TREES PROVIDED 64 UNDERSTORY TREES PROVIDED
NORTH PERIMETER	6,292 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 252 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 157 UNDERSTORY TREES REQUIRED	CONTINUOUS HEDGE PROVIDED 127 EXISTING CANOPY TREES 125 CANOPY TREES PROVIDED 157 UNDERSTORY TREES PROVIDED
SOUTH PERIMETER (ROADWAY)	4,815 L.F. BUFFER TYPE 'A'	OPTION 2 CONTINUOUS HEDGE 1 CANOPY TREE/60 L.F. = 80 CANOPY TREES REQUIRED	CONTINUOUS HEDGE PROVIDED 20 EXISTING CANOPY TREES 60 CANOPY TREES PROVIDED
SOUTH PERIMETER (RESIDENTIAL)	639 L.F. BUFFER TYPE 'D'	OPTION 1 CONTINUOUS HEDGE 1 CANOPY TREE/25 L.F. = 26 CANOPY TREES REQUIRED 1 UNDERSTORY TREE/40 L.F. = 16 UNDERSTORY TREES REQUIRED	CONTINUOUS HEDGE PROVIDED 19 EXISTING CANOPY TREES 7 CANOPY TREES PROVIDED 16 UNDERSTORY TREES PROVIDED
CEMETERY PERIMETER (PARKS/OPEN SPACE)	835 L.F. BUFFER TYPE 'D'	ALTERNATIVE PLAN OPTION CONTINUOUS HEDGE	ALTERNATIVE PLAN OPTION CONTINUOUS HEDGE

CANOPY AND UNDERTORY TREE REQUIREMENT SUMMARY

LANDSCAPE REQUIREMENTS	TREE TYPE BREAKDOWN
SITE REQUIREMENTS	338 CANOPY TREES 208 UNDERSTORY TREES
BUFFER REQUIREMENTS	600 CANOPY TREES 325 UNDERSTORY TREES
TOTAL REQUIREMENTS	938 CANOPY TREES 533 UNDERSTORY TREES 1,471 TOTAL TREES

PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
TREES				
CC	125	CERCIS CANADENSIS	EASTERN REDBUD	15 GAL., 8' HT., 30" SPR., 1.5" CAL.
CV	129	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	15 GAL., 9' HT., 2' SPR., 1.5" CAL.
IAE	33	ILEX X ATTENUATA 'EAST PALATKA'	EAST PALATKA HOLLY	30 GAL, 7' HT, 3' SPR, 2" CAL
JS	63	JUNIPERUS SILICICOLA	SOUTHERN RED CEDAR	30 GAL, 12' HT, 42" SPR, 2" CAL
LIM	127	LAGERSTROEMIA INDICA 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE	30 GAL, 10' HT, 4' SPR, 2" CAL
LIN	44	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ CRAPE MYRTLE	15 GAL., 6' HT., 30" SPR., 1.5" CAL.
MGD	153	MAGNOLIA GRANDIFLORA 'DD BLANCHARD'	DD BLANCHARD MAGNOLIA	30 GAL, 12' HT, 42" SPR, 2" CAL
PP	53	PINUS PALUSTRIS	LONGLEAF PINE	30 GAL, 12' HT, 42" SPR, 2" CAL
QO	122	QUERCUS MICHAUXII	BASKET OAK	30 GAL, 12' HT, 42" SPR, 2" CAL
QV	89	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	30 GAL, 12' HT, 54" SPR, 2" CAL
TD	134	TAXODIUM DISTICHUM	BALD CYPRESS	30 GAL, 12' HT, 42" SPR, 2" CAL
UA	49	ULMUS ALATA	WINGED ELM	30 GAL, 10' HT, 4' SPR, 2" CAL
VOW	108	VIBURNUM OBOVATUM	WALTER'S VIBURNUM	15 GAL., 6' HT., 30" SPR., 1.5" CAL.
SHRUBS				
BX	2,022	BUXUS MICROPHYLLA	BOXWOOD	3 GAL, 18" HT, 9" SPR
IDB	1,656	ILEX CORNUTA 'DWARF BURFORDII'	DWARF BURFORD HOLLY	3 GAL, 24" HT, 16" SPR
PM	358	PODOCARPUS MACROPHYLLUS	PODOCARPUS	3 GAL., 18" HT., 18"SPR.
VO	1,774	VIBURNUM ODORATISSIMUM	SWEET VIBURNUM	3 GAL., 24" HT. X 12" SPR.
VOS	1,093	VIBURNUM OBOVATUM 'MRS. SHILLER'S DELIGHT'	MRS. SHILLERS DELIGHT VIBURNUM	3 GAL., 18" HT., 18"SPR.
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
SOD/SEED				
SOD		PASPALUM NOTATUM 'ARGENTINE'	BAHIA GRASS	WEED FREE AND SAND GROWN SOD

GENERAL NOTES

ALL ASPHALT, LIMEROCK, AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM PLANTING BEDS AND SOD AREAS PRIOR TO LANDSCAPE INSTALLATION. IF ENCOUNTERED DURING CONSTRUCTION OR INSTALLATION, THESE SHALL BE EXCAVATED AND REMOVED FROM THE SITE. PLANTING DEPTH OF SOIL IN SUCH AREAS SHOULD BE AT LEAST 3'. IF FILL MUST BE ADDED, IT MUST BE FLORIDA CLEAN DEEP FILL (FREE OF WEED SEEDS) WITH pH 6.0 – 7.5.

ALL LANDSCAPED AREAS SHALL BE MULCHED WITH 3" THICKNESS OF MULCH. PINE BARK MULCH SHALL BE USED IN ALL AREAS, EXCEPT RETENTION AREAS. PINE STRAW MULCH SHALL BE USED IN RETENTION AREAS.

NEW TREES OUTSIDE OF MULCHED LANDSCAPED BEDS WILL BE PROTECTED FROM MOWER AND STRING TRIMMER DAMAGE WITH 10" OF PLASTIC DRAIN TUBING.

LEADER SHOOTS AND MAIN STRUCTURAL LIMBS OF TREES SHALL NOT BE TOPPED OR PRUNED. TREES WILL BE STAKED AS NEEDED. GUYLINES WILL BE OF NON-SYNTHETIC BIODEGRADABLE MATERIAL.

REFER TO CIVIL PLANS FOR TREE BARRICADE DETAILS AND INFORMATION.

ALL VEGETATIVE MATERIALS IDENTIFIED IN THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE PLANT SPECIES, AS AMENDED, SHALL BE REMOVED AT TIME OF DEVELOPMENT.

PLANT SELECTION FOR THIS PROJECT HAS BEEN DESIGNED TO UTILIZE FLORIDA FRIENDLY PLANT MATERIALS, AS OUTLINED BY THE UNIVERSITY OF FLORIDA IFAS EXTENSION.

GRASSING

ALL DISTURBED AND UNPAVED AREAS TO BE GRASSED WITH SOD THAT IS FREE OF NOXIOUS WEEDS INCLUDING TROPICAL SODA APPLE OR SHALL BE SEEDED AND MULCHED. SEE CIVIL SITE PLANS FOR ADDITIONAL RELATED INFORMATION.

PLANT MATERIAL

ALL PLANT MATERIAL TO BE FLORIDA NO.1 OR BETTER, GRADED IN ACCORDANCE WITH THE STATE OF FLORIDA DEPARTMENT OF AGRICULTURE, DIVISION OF PLANT INDUSTRY'S 'GRADES AND STANDARDS FOR NURSERY PLANTS'. CURRENT EDITION AT THE TIME PLANS ARE ISSUED. CALL THE LANDSCAPE ARCHITECT PRIOR TO PURCHASING ANY PLANT MATERIAL FOR AN ON SITE INSPECTION AND REVIEW OF LANDSCAPE PLAN.

PLANT QUANTITIES SHOWN ARE FOR PERMITTING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM ALL QUANTITIES SHOWN ON THE PLAN.

10% OPEN SPACE REQUIREMENT

AS PER CITY OF ALACHUA LDR SECTION 6.7.3 (A), THE MINIMUM OPEN SPACE SET ASIDE SHALL BE 10% OF THE DEVELOPMENT SITE. REFER TO CIVIL PLANS FOR OPEN SPACE CALCULATIONS.

IRRIGATION

THE IRRIGATION SYSTEM USED FOR LANDSCAPE SHALL BE DESIGNED TO CORRELATE TO THE WATER USE PLANT ZONES ESTABLISHED IN THE LANDSCAPE DESIGN. IRRIGATION SYSTEM DESIGN STANDARDS SHALL BE IN ACCORDANCE WITH CITY OF ALACHUA LDR SECTION 6.2.2(D)(7)(b)(vi).

A TEMPORARY OR PERMANENT AUTOMATIC IRRIGATION SYSTEM IS REQUIRED FOR ALL NEW REQUIRED LANDSCAPING INSTALLED [ALACHUA COUNTY LDC SEC. 407.46(A)]. TEMPORARY IRRIGATION SYSTEMS MUST BE REMOVED ONCE THE PLANTS ARE ESTABLISHED OR WITHIN TWO YEARS, WHICHEVER OCCURS FIRST. PRIOR TO THE INSTALLATION OF A NEW PERMANENT IRRIGATION SYSTEM OR SUBSTANTIAL MODIFICATION TO AN EXISTING SYSTEM, AN IRRIGATION PLAN MUST BE SUBMITTED TO AND APPROVED BY THE ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT THROUGH THE ONLINE ALACHUA COUNTY IRRIGATION PROFESSIONAL PORTAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE IRRIGATION PLAN THROUGH THE IRRIGATION PROFESSIONAL PORTAL. THE IRRIGATION SYSTEM SHALL COMPLY WITH THE LANDSCAPE IRRIGATION DESIGN AND MAINTENANCE STANDARDS FOUND IN ARTICLE II OF PART II, TITLE 7, CHAPTER 79 OF THE ALACHUA COUNTY CODE, WHICH, AMONG ADDITIONAL DESIGN STANDARDS, LIMITS HIGH VOLUME IRRIGATION TO 60% OF THE LANDSCAPED AREA. FOR MORE INFORMATION, CONTACT THE ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT AT 352-264-6800.

ALL NEWLY PLANTED TREES SHALL HAVE INDIVIDUAL LOW FLOW OR MICRO-IRRIGATION SUPPLIES [ALACHUA COUNTY LDC 407.46(A)3]. ALL IRRIGATION SYSTEMS ARE REQUIRED TO HAVE A MOISTURE SENSOR/AUTOMATIC RAINFALL SHUTOFF DEVICE [ALACHUA COUNTY LDC 407.46(A)4].

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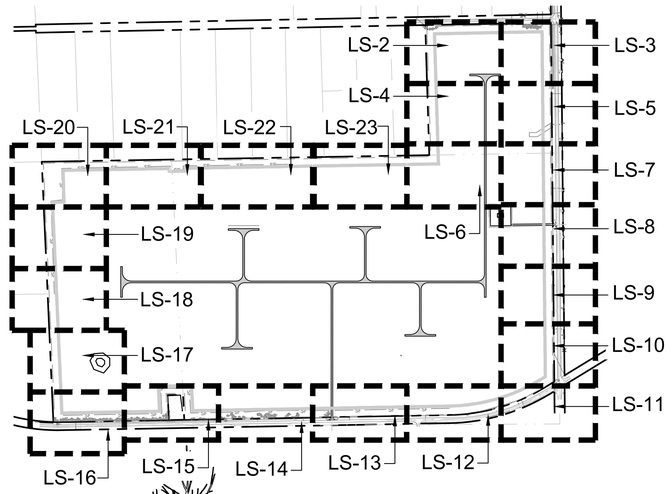
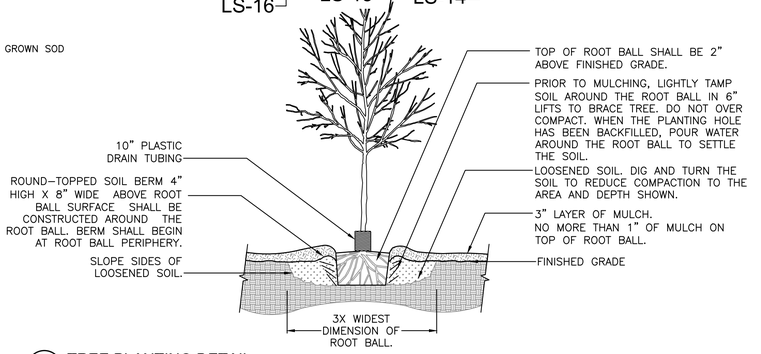
SHEET KEY MAP

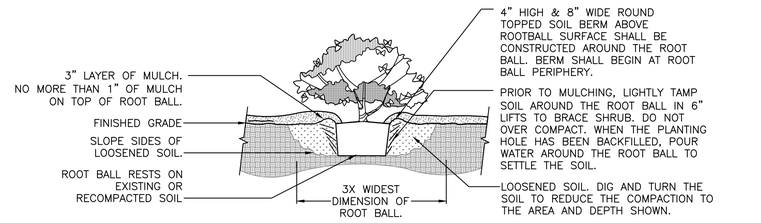
SCALE: N.T.S.





1 TREE PLANTING DETAIL

SCALE: N.T.S.



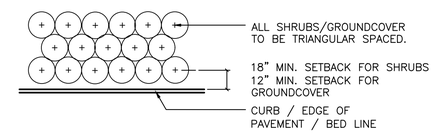
2 SHRUB PLANTING DETAIL

SCALE: N.T.S.



3 MULCH DETAIL

SCALE: N.T.S.



NOTE: THE PERIMETER OF ALL CURVED PLANTING BEDS SHALL BE PLANTED WITH A ROW OF SHRUBS AS SHOWN IN THE PLANS AND AT THE SPACING SHOWN IN THE PLANT LIST. INTERIOR PORTIONS OF EACH BED SHALL BE PLANTED AT APPROPRIATE SPACING ACCORDING TO THIS PLANT SPACING DETAIL.

4 SHRUB PLANTING DETAIL

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05/02/2024 SUBMITTAL TO CITY OF ALACHUA
05/14/2024 SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE DETAILS, SCHEDULE, & NOTES

TECHNICIAN: L. ROSARIO

DESIGNER: L. ROSARIO

QUALITY CONTROL: JMS

PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT JOHN MICHAEL SIMPSON LA6667436 STATE OF FLORIDA

SHEET NO.: LS-1

Tech: john-michaels Plot Date: May 14,2024 4:56pm Filename: N:\2021\21-0275\Department\03_Design\02_Civil\01_Permitting\21-0275 Design Base.dwg

LEGEND

NEW TREES TO BE ADDED

EXISTING TREES TO REMAIN

MITIGATION TREES

50–VOS
77–IDB
32–VO
100–BX
25–
7–LIM
SOD
1–CC
9–CV
3–TD
10–LIM
3–CC
9–VOW
6–QO
3–MGD
5–QO
1–UA
1–TD
FIRE LANE 25'-0" TYP.
NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35
MATCHLINE LS–2
MATCHLINE LS–3
MATCHLINE LS–2
MATCHLINE LS–4
5–PP
1–QV
1–CC

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0 1"

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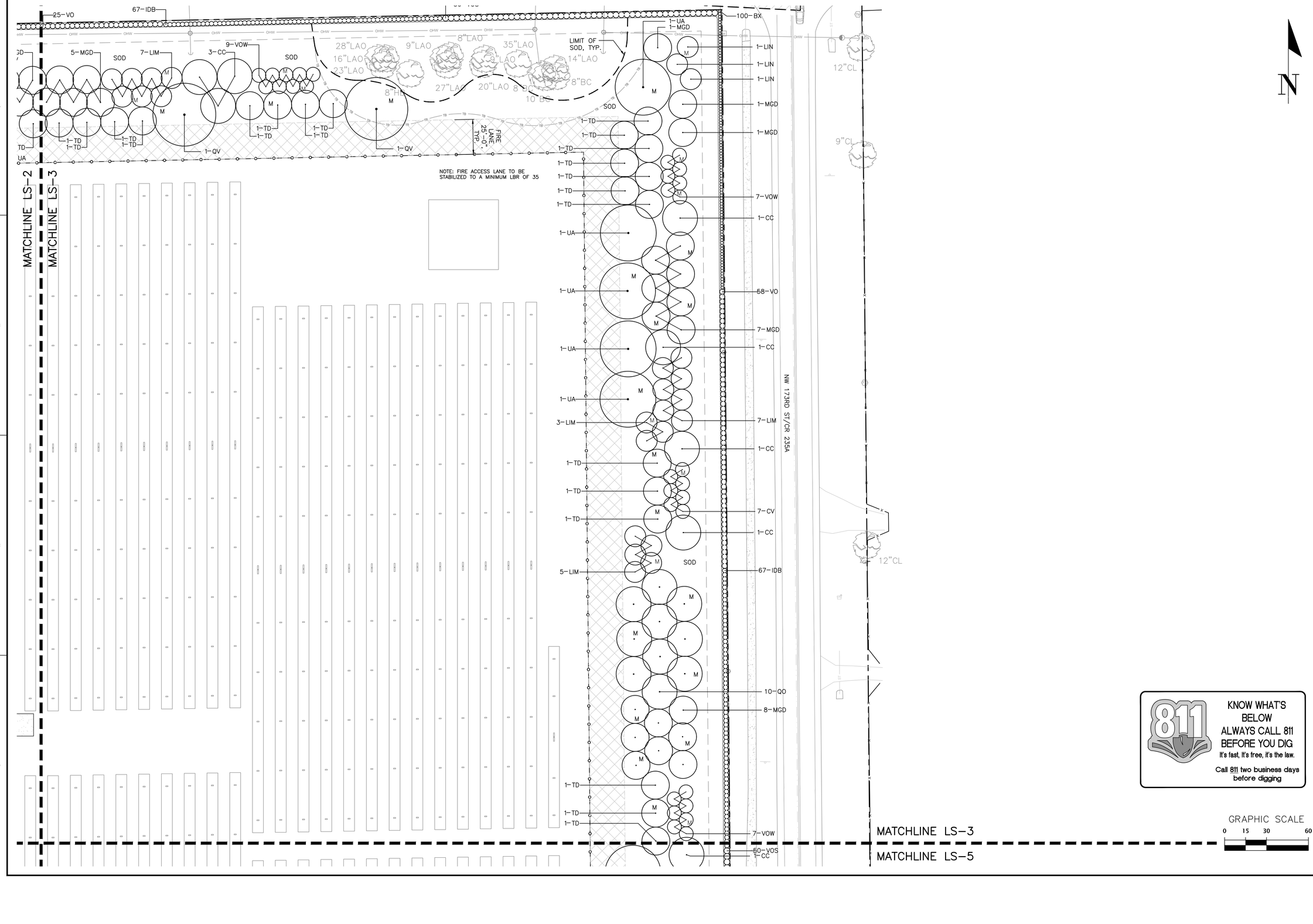
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-2



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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-3

MATCHLINE LS-2

MATCHLINE LS-4

LOT 1, HARRINGTON PLACE
PLAT BOOK T, PAGE
PARCEL ID: 03900-001
CURRENT OWNER:
OSWALT LUTHER E

37"LO
48"LAO
37"LO
39"LO
20"BC
39"LAO
43"LO
55"LAO
27"LAO
27"LAO
48"LO
29"LAO
27"51"LAO
11"CB
8"CB
14"CB
8"CB
11"
8"CB
8"CB
58"LO
39"HB
12"CB
11"LO
42"LO
10"CB
51"LAO
8"CB
21"LO

1-CC
1-CC
171-VO
1-MGD
1-MGD
1-MGD
1-CC
1-QO
1-CC
1-IAE
1-IAE
1-IAE
100-BX
1-CC
1-QO
1-CC
1-IAE
1-IAE
1-IAE
50-VOS

M

FIRE LANE 25'-0", TYP.

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

MATCHLINE LS-4

MATCHLINE LS-6

MATCHLINE LS-4

MATCHLINE LS-5

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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
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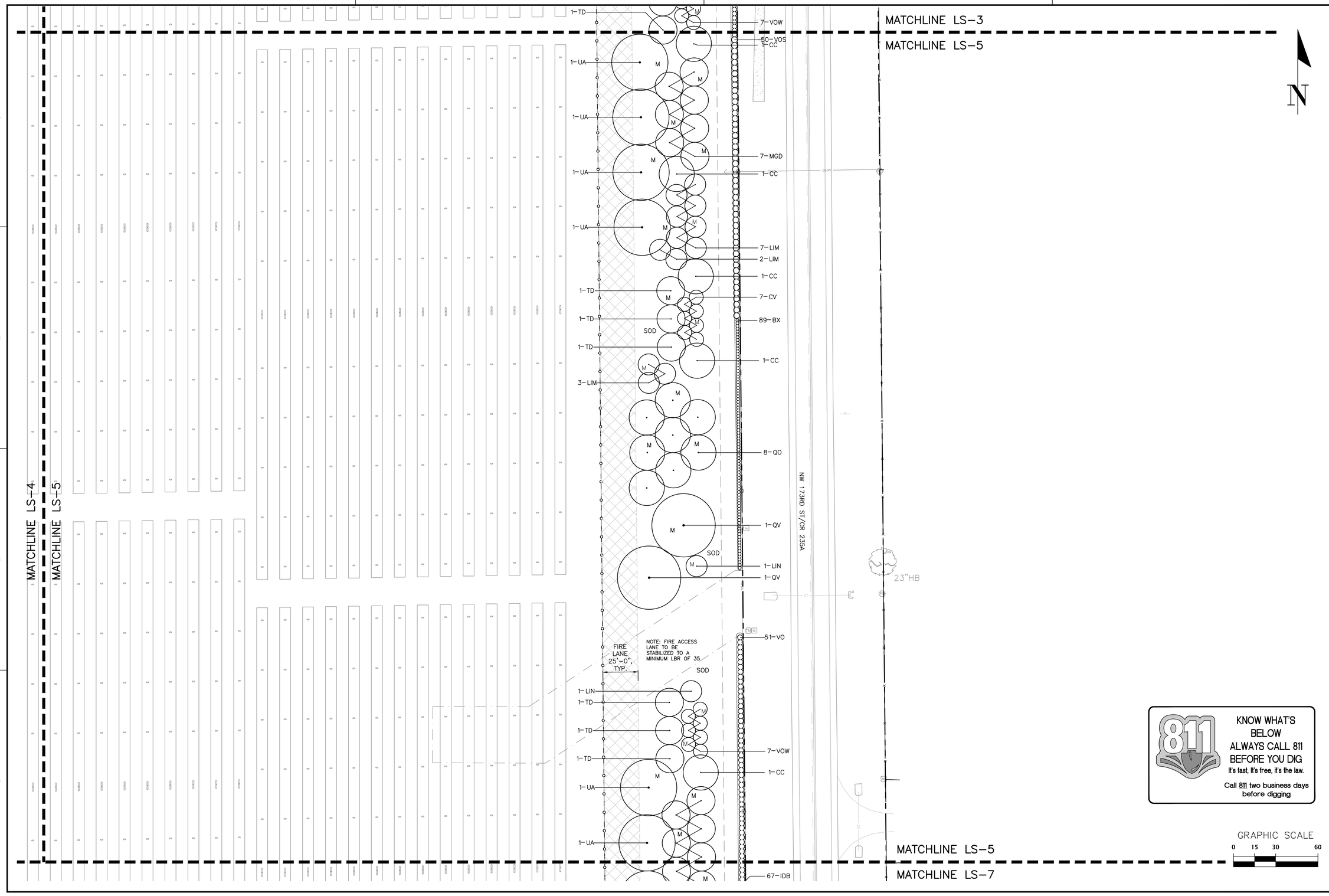
LA6667436
STATE OF FLORIDA

SHEET NO.:
LS-4



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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-5

MATCHLINE LS-4

MATCHLINE LS-6

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

FIRE LANE 25'-0", TYP.

67-IDB

112-VO
6-QO

7-PP

1-QV

1-QV

1-QV

1-QV

M

MATCHLINE LS-23

MATCHLINE LS-6

MATCHLINE LS-6

MATCHLINE LS-7

N

GRAPHIC SCALE
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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

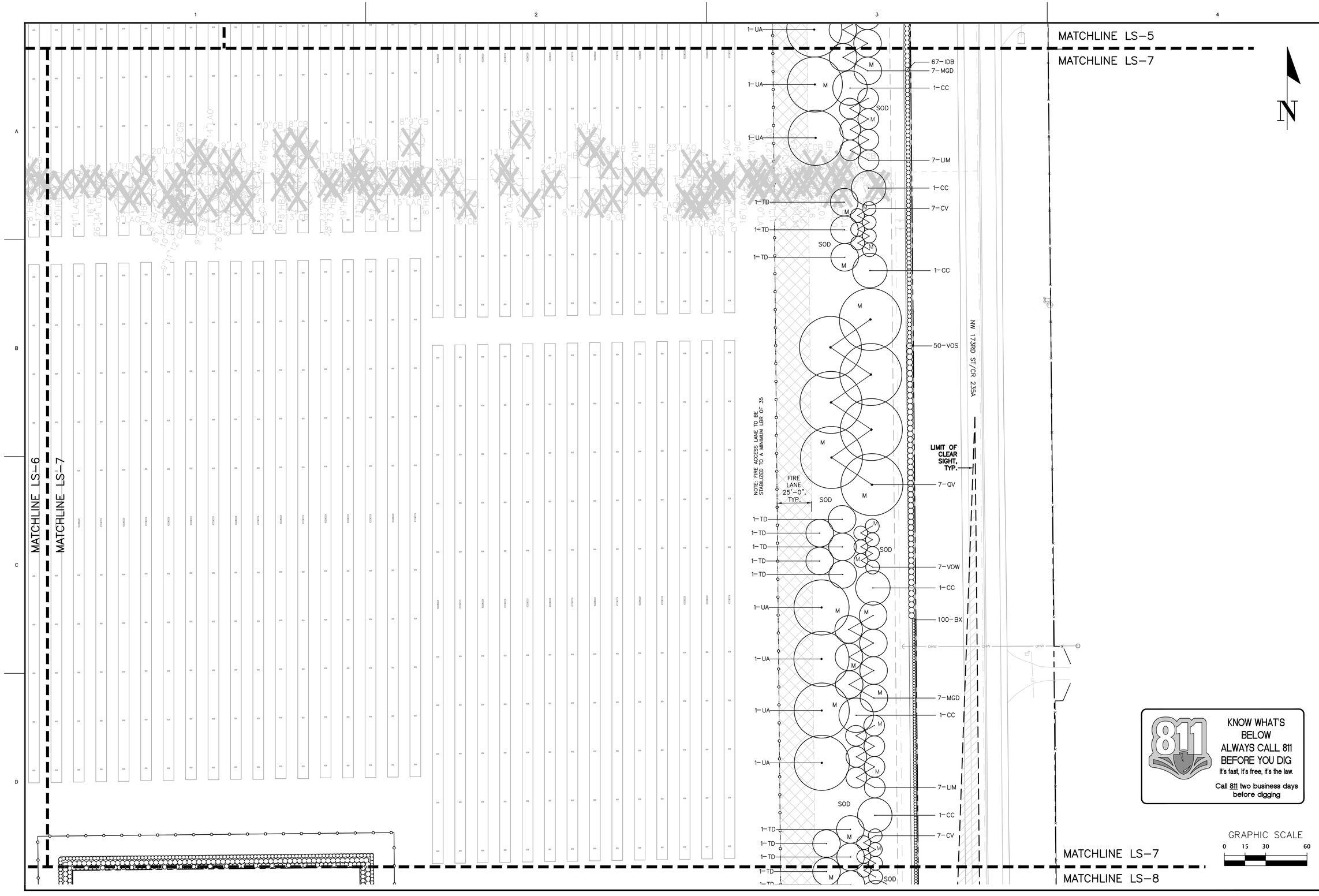
PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. KOSARIO
DESIGNER: L. KOSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.:
LS-6



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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO

DESIGNER: L. ROSARIO

QUALITY CONTROL: JMS

PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-7

MATCHLINE LS-7

MATCHLINE LS-8

N

CEMETERY

100' BUFFER FROM 4' EXISTING CHAIN LINK FENCE FOR GRAVEYARD, TYP.

358-PM
248-VO
279-IDB

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

FIRE LANE 25'-0" TYP.

NW 173RD ST/CR 235A

10+00

11+00

11+70

1-TD
M
SOD
48-VO
1-CC
10-QO
1-LIN
1-QV
72-IDB
3-LIM
7-VOW
50-VOS
1-UA
7-MGD
7-LIM

LIMIT OF CLEAR SIGHT, TYP.

MATCHLINE LS-8

MATCHLINE LS-9

GRAPHIC SCALE
0 15 30 60

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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

SHEET NO.: LS-8

MATCHLINE LS-8

MATCHLINE LS-9

N

NW 173RD ST/CR 235A

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

FIRE LANE 25'-0", TYP.

BUFFER 100'-0", TYP.

SOD

1-CC
1-TD
100-BX
7-CV
3-LIM
7-QV
58-VO
7-VOW
1-UA
7-MGD
7-LIM
67-IDB
10-QO
8-MGD

8"CL

11"PCN

11"HB

MATCHLINE LS-9

MATCHLINE LS-10

GRAPHIC SCALE
0 15 30 60

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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

SHEET NO.: LS-9

MATCHLINE LS-9

MATCHLINE LS-10

8-MGD
1-TD
1-TD
1-TD
1-TD
1-TD
1-UA
1-UA
1-UA
1-UA
3-LIM
1-TD
1-TD
1-TD
1-TD
1-TD
1-TD
3-LIM
SOD
SOD
SOD
SOD
SOD
50-VOS
7-VOW
1-CC
7-MGD
1-CC
100-BX
7-LIM
1-CC
7-CV
1-CC
90-VO
10-QO
8-MGD
7-CV
3-QV
NW 173RD ST/CR 235A
13"HB
11"HB
FIRE LANE 25'-0", TYP.
NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

MATCHLINE LS-10

MATCHLINE LS-11

GRAPHIC SCALE
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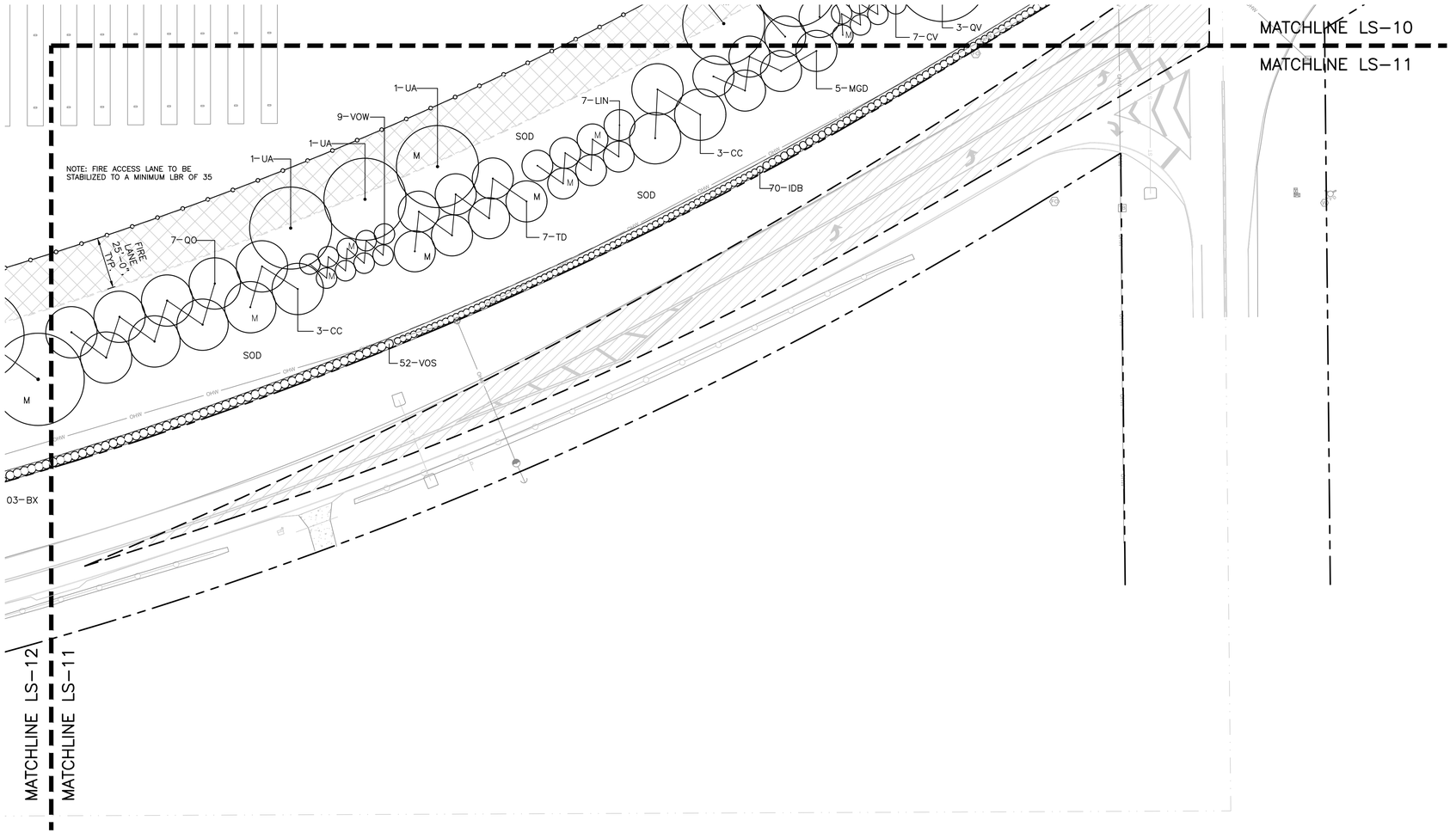
CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-10



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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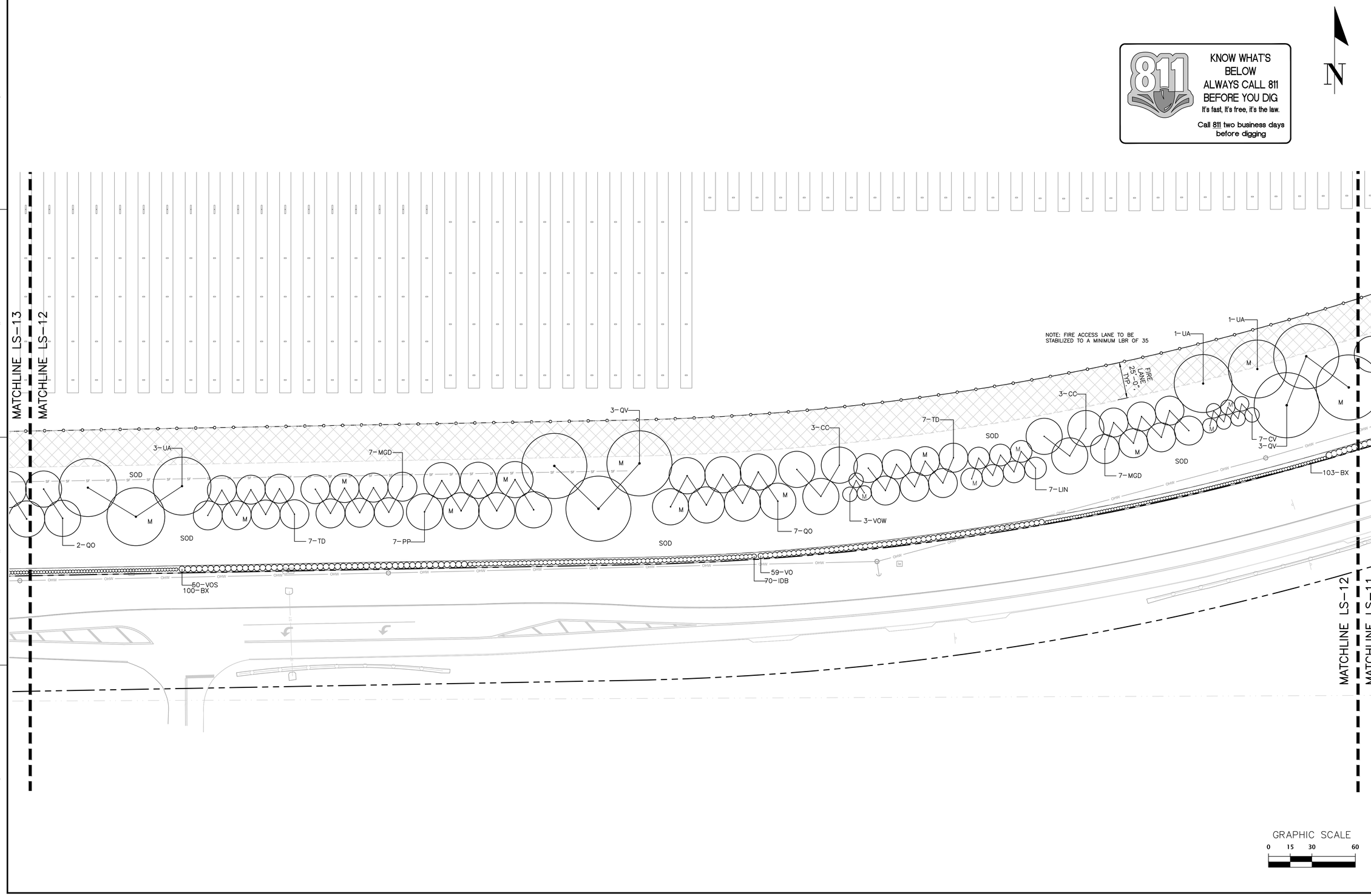
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-11



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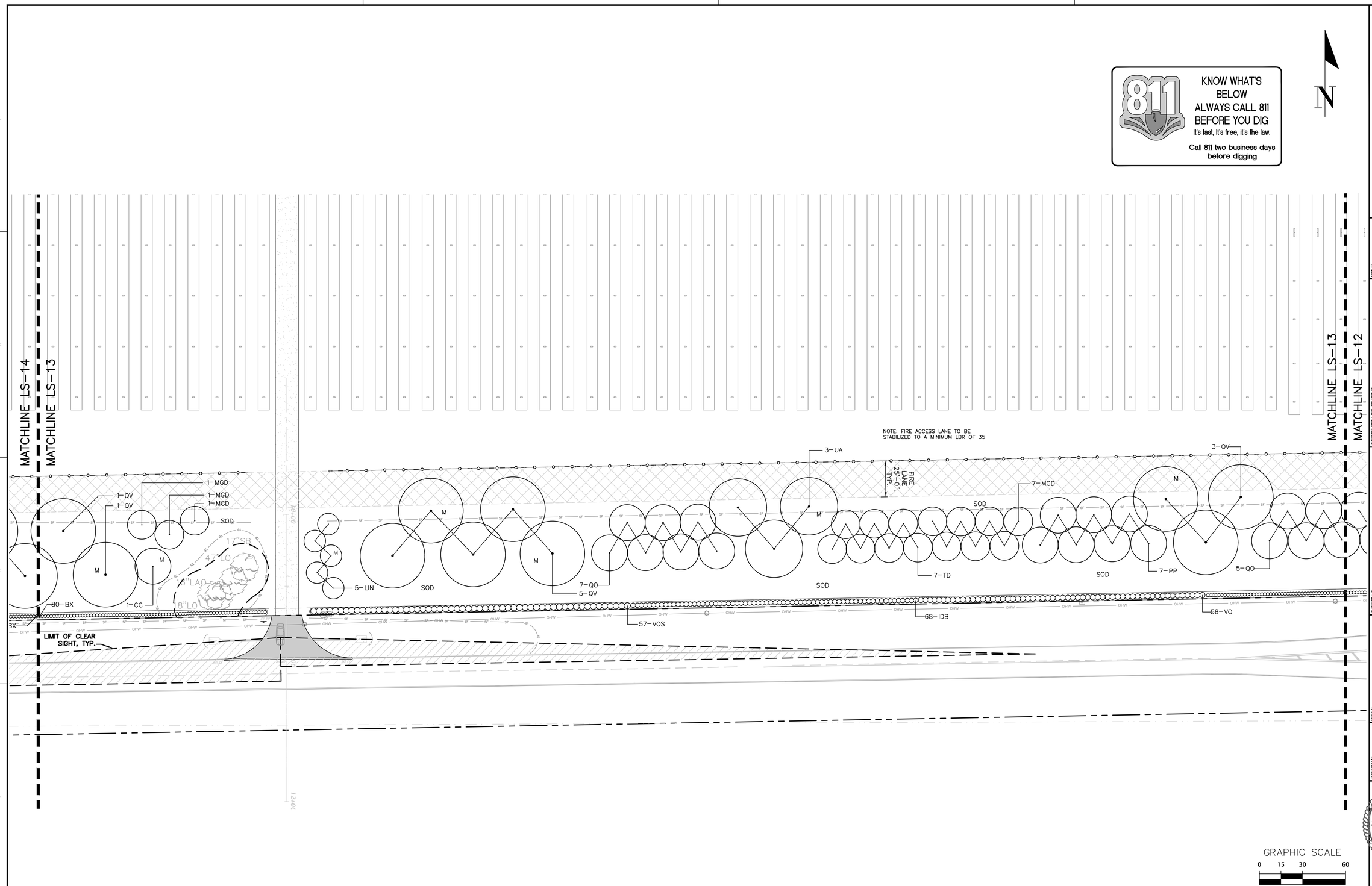
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-12



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05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.:
LS-13

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MATCHLINE LS-15

MATCHLINE LS-14

MATCHLINE

MATCHLINE LS-14

MATCHLINE LS-13

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

FIRE LANE 25'-0" TYP.

57-IDB

1-CC

1-IAE

1-QV

3-IAE

1-CC

1-CC

1-CC

170-VO

4-QV

3-CC

M

LIMIT OF SOD, TYP.

SOD

71-BX

LIMIT OF CLEAR SIGHT, TYP.

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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

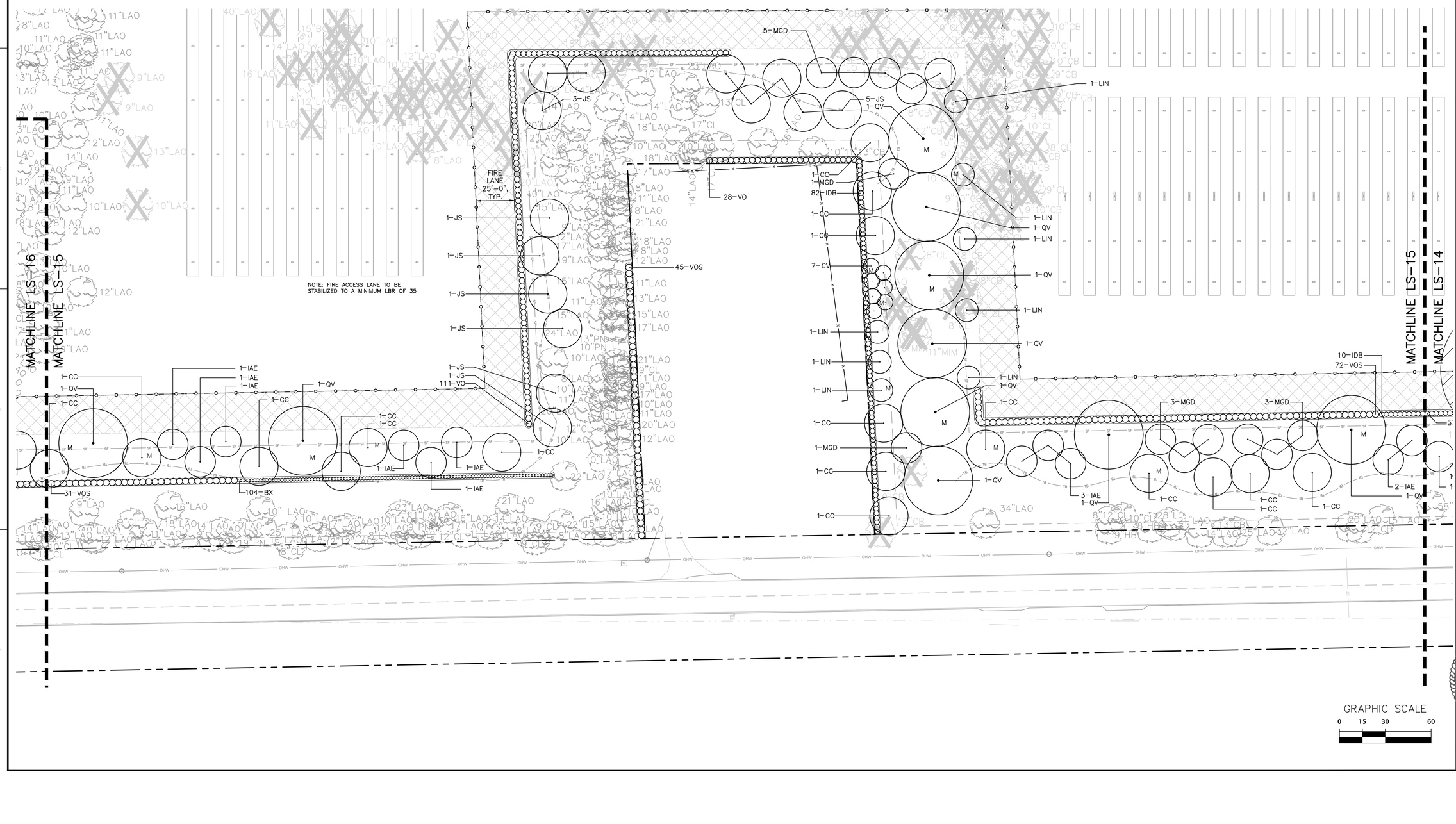
PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-14



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0 1" 2"

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05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

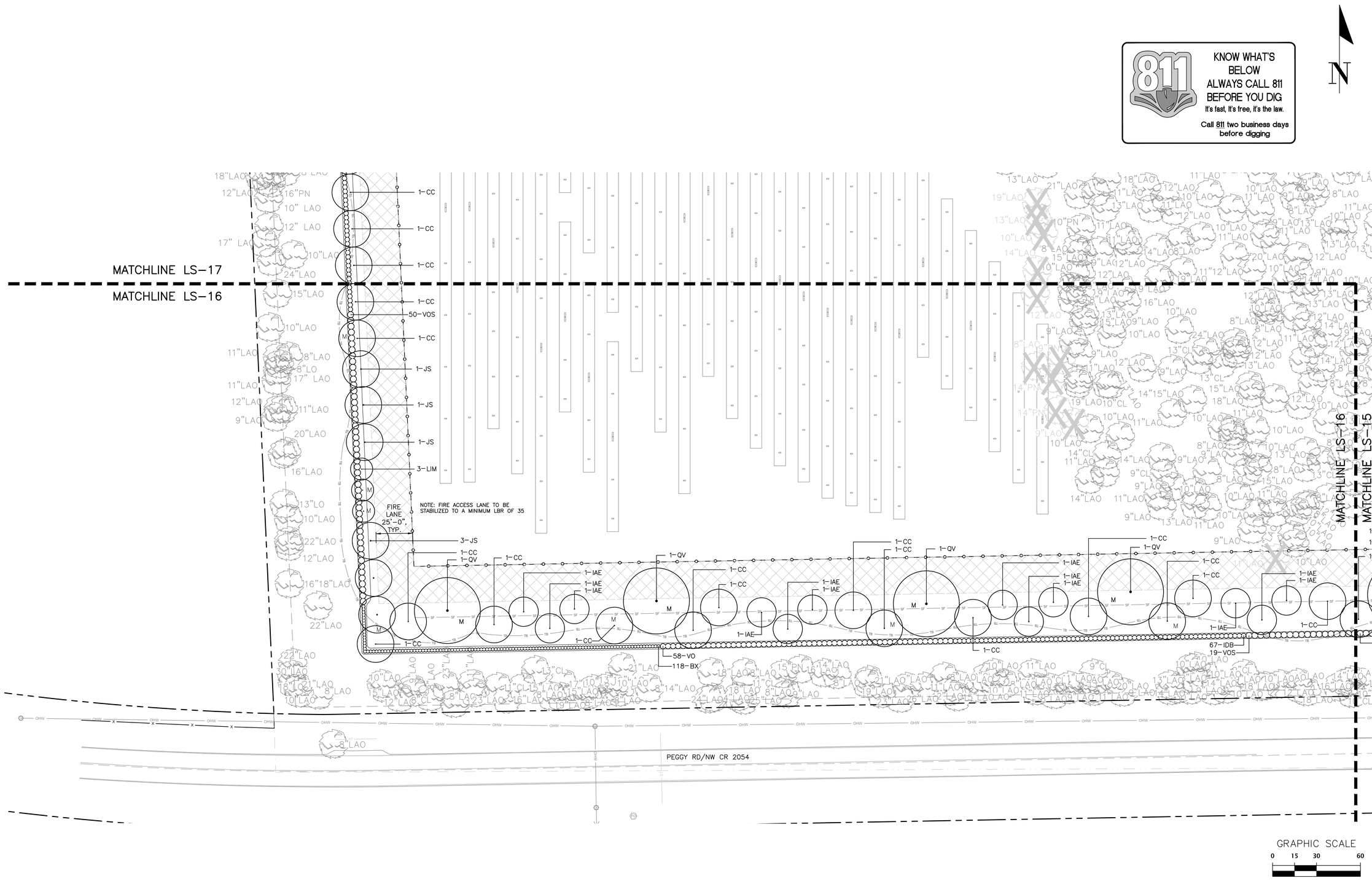
PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-15



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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-16

MATCHLINE LS-18

MATCHLINE LS-17

6-002-000
WNER:
NIEL TRUSTEE

6-VOW
1-VOW
1-CC
1-JS
1-JS
1-JS
1-CC
1-CC
1-CC
1-JS
100-BX
60-VO
1-JS
1-JS
4-LIN
3-CV
1-JS
3-LIN
67-IDB
1-JS
1-JS
1-JS
1-CC
1-CC
1-CC
1-CC
1-CC

FIRE LANE 25'-0", TYP.

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

MATCHLINE LS-17

MATCHLINE LS-16

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05/14/2024 SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: LANDSCAPE PLAN

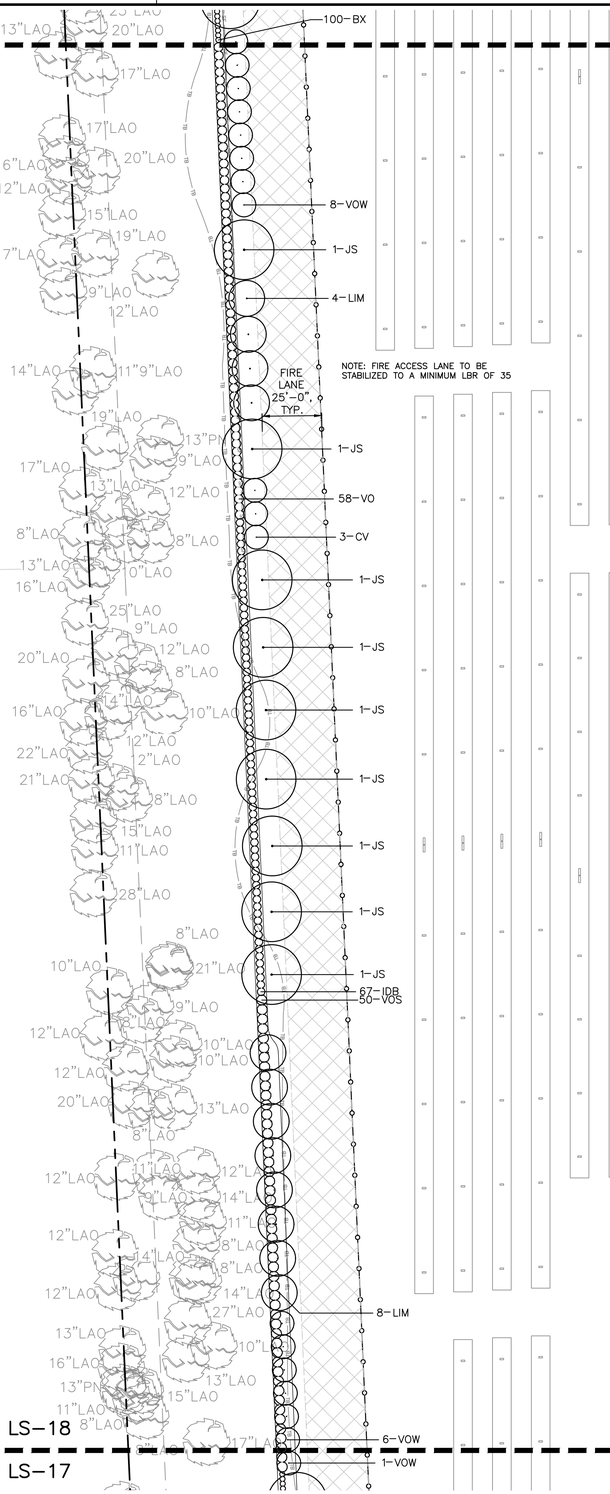
TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-17

MATCHLINE LS-19

MATCHLINE LS-18



MATCHLINE LS-18

MATCHLINE LS-17

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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO

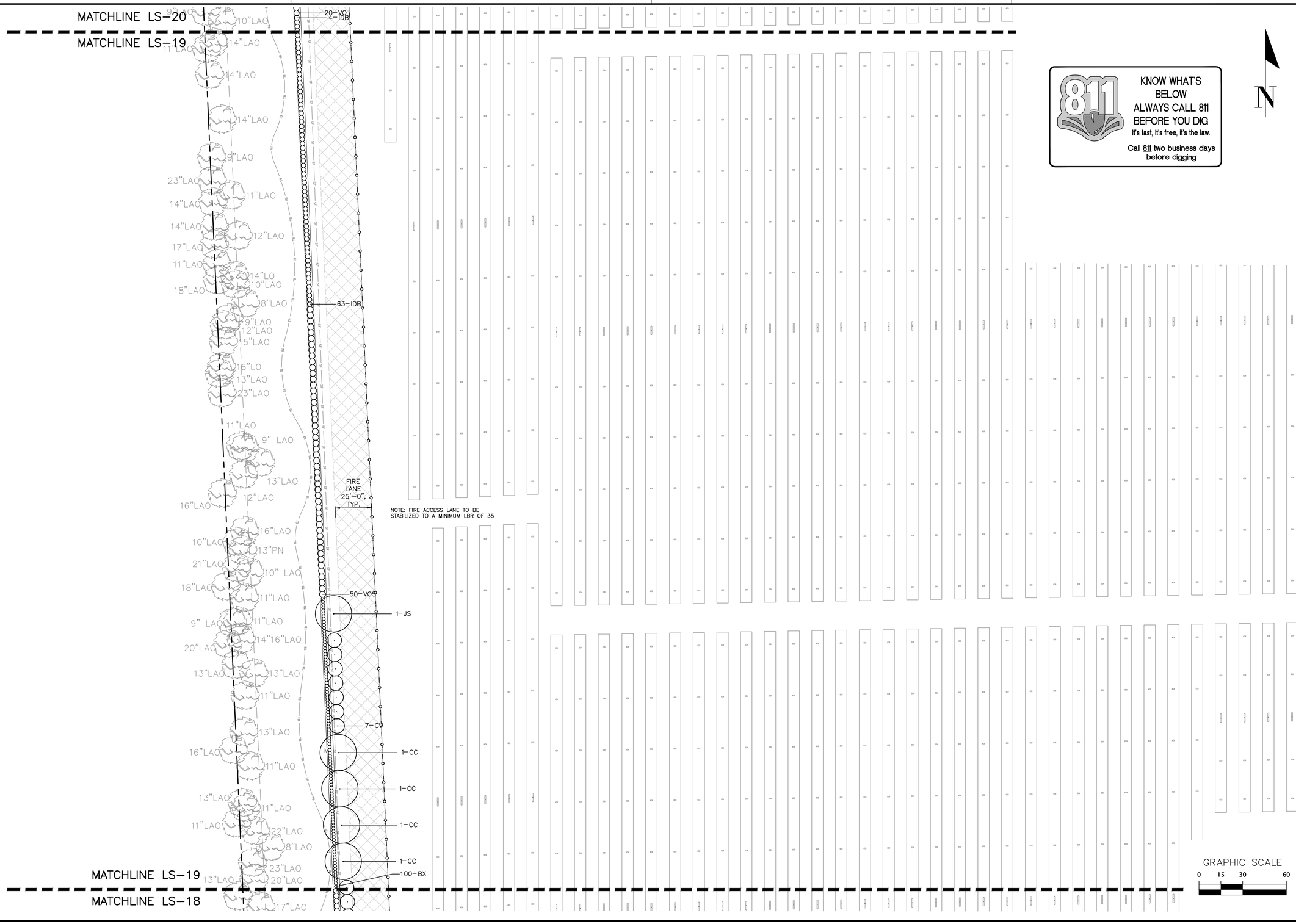
DESIGNER: L. ROSARIO

QUALITY CONTROL: JMS

PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-18



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05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO

DESIGNER: L. ROSARIO

QUALITY CONTROL: JMS

PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT JOHN MICHAEL SIMPSON LA6667436 STATE OF FLORIDA

SHEET NO.: LS-19

PARCEL ID: 03900-010-011
CURRENT OWNER:
BATTE JUSTIN & CANDACE LAUREN

CURRENT OWNER:
DELGADO & MILLER H/W

NOTE: FIRE ACCESS LANE TO BE STABILIZED TO A MINIMUM LBR OF 35

FIRE LANE 25'-0", TYP.

1-JS
51-VOS
67-IDB
58-VO
1-CC
155-BX
32-VO
20-VO
4-IDB

MATCHLINE LS-20
MATCHLINE LS-21
MATCHLINE LS-19

GRAPHIC SCALE
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CONSTRUCTION/BID REVISIONS:

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05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-20

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SUBMITTALS:	CONSTRUCTION/BID REVISIONS:
09/14/2023 - SUBMITTAL TO CITY OF ALACHUA	
09/14/2023 - SUBMITTAL TO CITY OF ALACHUA	
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA	
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA	

CLIENT: PLEASANT SOLAR, LLC

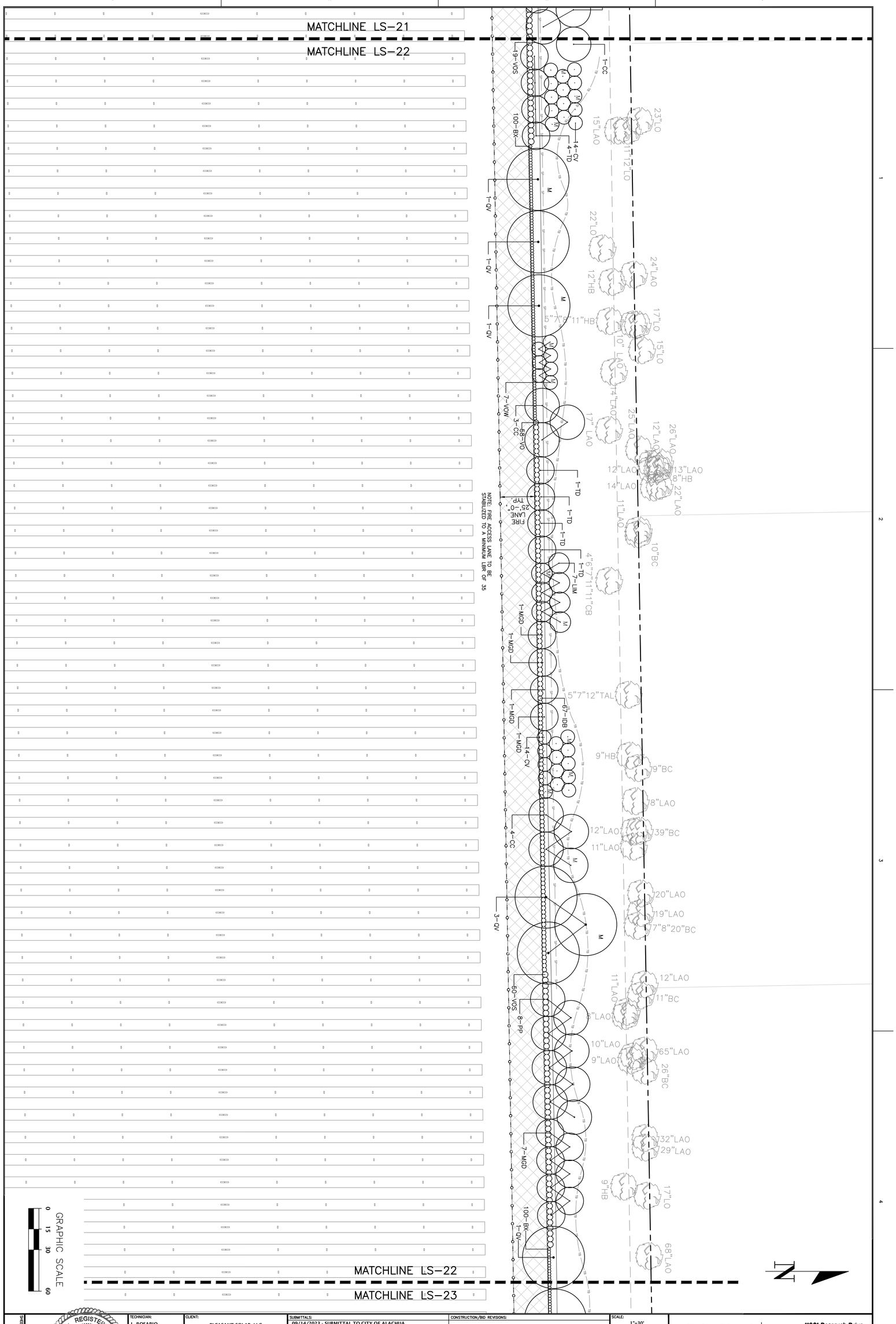
PROJECT: PLEASANT SOLAR

SHEET TITLE: LANDSCAPE PLAN

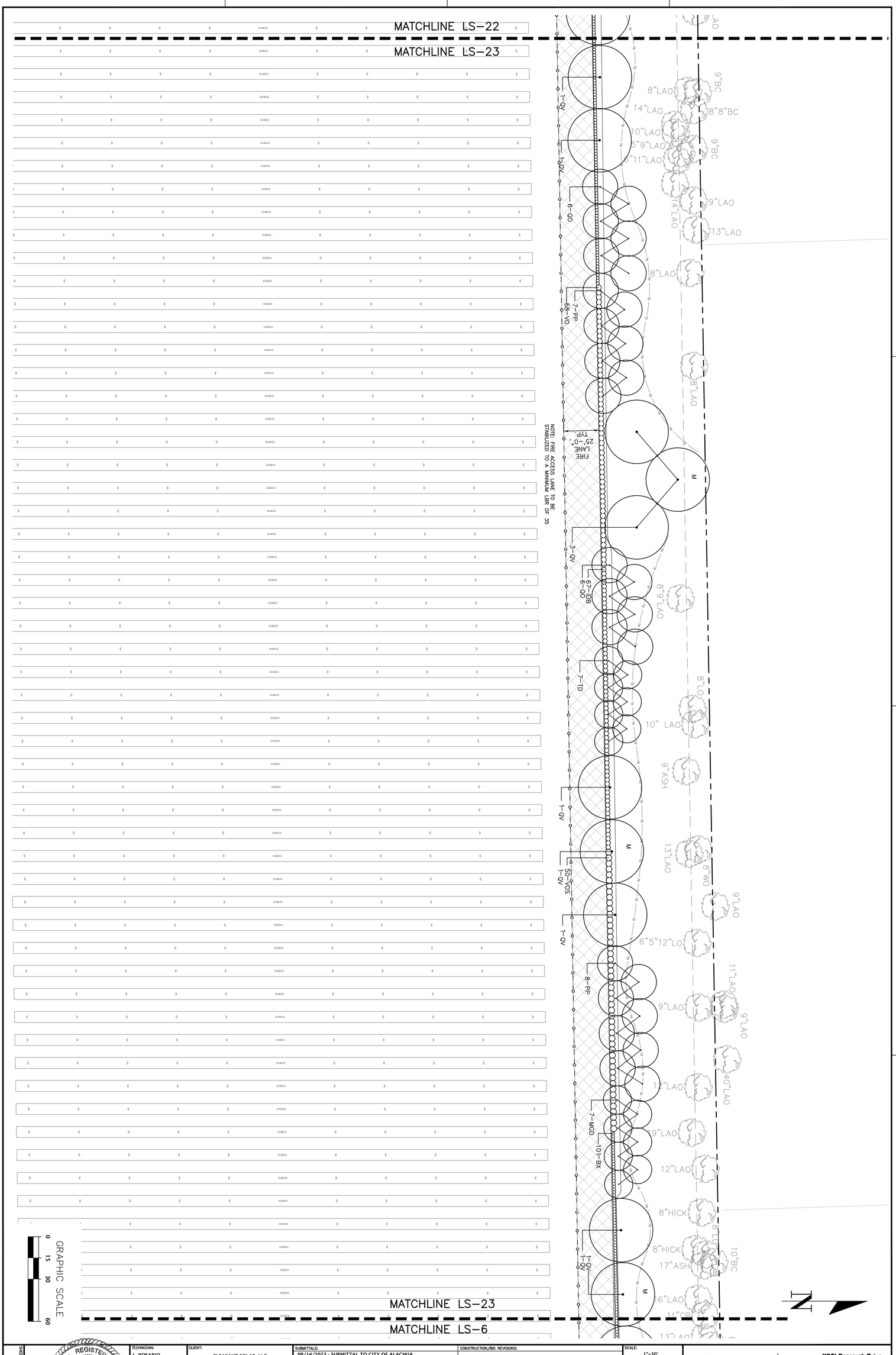
TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.:
LS-21



SHEET NO.: LS-22	REGISTERED LANDSCAPE ARCHITECT JOHN MICHAEL JOHNSON LA6667438 STATE OF FLORIDA	TECHNICIAN: L. ROSARIO DESIGNER: L. ROSARIO QUALITY CONTROL: JMS PROJECT NUMBER: 21-0275	CLIENT: PLEASANT SOLAR, LLC PROJECT: PLEASANT SOLAR SHEET TITLE: LANDSCAPE PLAN	SUBMITTALS: 09/14/2023 - SUBMITTAL TO CITY OF ALACHUA 03/07/2024 - SUBMITTAL TO CITY OF ALACHUA 05/02/2024 - SUBMITTAL TO CITY OF ALACHUA 05/14/2024 - SUBMITTAL TO CITY OF ALACHUA	CONSTRUCTION/BID REVISIONS:	SCALE: 1"=30' VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHW Professional Consultants	11801 Research Drive Alachua, Florida 32615 (352) 331-1976 www.chw-inc.com est. 1988 FLORIDA LA0001683



SHEET NO.: LS-23	REGISTERED LANDSCAPE ARCHITECT JOHN MICHAEL SIMPSON LA667438 STATE OF FLORIDA	TECHNICIAN: L. ROSARIO DESIGNER: L. ROSARIO QUALITY CONTROL: JMS PROJECT NUMBER: 21-0275	CLIENT: PLEASANT SOLAR, LLC PROJECT: PLEASANT SOLAR SHEET TITLE: LANDSCAPE PLAN	SUBMITTALS: 09/14/2023 - SUBMITTAL TO CITY OF ALACHUA 03/07/2024 - SUBMITTAL TO CITY OF ALACHUA 05/02/2024 - SUBMITTAL TO CITY OF ALACHUA 05/14/2024 - SUBMITTAL TO CITY OF ALACHUA	CONSTRUCTION/BID REVISIONS:	SCALE: 1"=30' VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHW Professional Consultants	11801 Research Drive Alachua, Florida 32615 (352) 331-1976 www.chw-inc.com est. 1988 FLORIDA LA0001683

TREE MITIGATION CALCULATIONS

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
19108	17"CL	Prunus caroliniana	Cherry Laurel	2
19114	14"CL	Prunus caroliniana	Cherry Laurel	2
19115	12"CL	Prunus caroliniana	Cherry Laurel	2
19116	13"CL	Prunus caroliniana	Cherry Laurel	2
19118	16"CL	Prunus caroliniana	Cherry Laurel	2
19119	4"10"CL	Prunus caroliniana	Cherry Laurel	2
19124	10"LAO	Quercus laurifolia	Laurel Oak	2
19125	16"CL	Prunus caroliniana	Cherry Laurel	2
19126	11"LAO	Quercus laurifolia	Laurel Oak	2
19128	10"CL	Prunus caroliniana	Cherry Laurel	2
19130	22"LAO	Quercus laurifolia	Laurel Oak	2
19132	16"LAO	Quercus laurifolia	Laurel Oak	2
19133	9"10"LAO	Quercus laurifolia	Laurel Oak	2
19134	17"LAO	Quercus laurifolia	Laurel Oak	2
19139	13"SG	Liquidambar stryaciflua	Sweetgum	2
19140	14"LAO	Quercus laurifolia	Laurel Oak	2
19141	14"LAO	Quercus laurifolia	Laurel Oak	2
19142	26"LAO	Quercus laurifolia	Laurel Oak	2
19143	21"LAO	Quercus laurifolia	Laurel Oak	2
37760	12"LAO	Quercus laurifolia	Laurel Oak	2
37761	19"SG	Liquidambar stryaciflua	Sweetgum	2
37762	20"LAO	Quercus laurifolia	Laurel Oak	2
37764	18"SG	Liquidambar stryaciflua	Sweetgum	2
37783	15"16"24"LO	Quercus virginiana	Live Oak	2
37784	29"LO	Quercus virginiana	Live Oak	2
37785	18"LO	Quercus virginiana	Live Oak	2
37788	20"LO	Quercus virginiana	Live Oak	2
37791	18"LAO	Quercus laurifolia	Laurel Oak	2
37793	20"LO	Quercus virginiana	Live Oak	2
37794	26"LO	Quercus virginiana	Live Oak	2
37795	10"HIC	Carya glabra	Hickory	2
37796	11"HIC	Carya glabra	Hickory	2
37797	15"23"LO	Quercus virginiana	Live Oak	2
37814	11"LAO	Quercus laurifolia	Laurel Oak	2
37815	14"LAO	Quercus laurifolia	Laurel Oak	2
37816	12"LAO	Quercus laurifolia	Laurel Oak	2
37817	10"LAO	Quercus laurifolia	Laurel Oak	2
37818	14"LAO	Quercus laurifolia	Laurel Oak	2
37819	26"LAO	Quercus laurifolia	Laurel Oak	2
37821	20"LAO	Quercus laurifolia	Laurel Oak	2
37822	20"LAO	Quercus laurifolia	Laurel Oak	2
37823	10"LAO	Quercus laurifolia	Laurel Oak	2
37825	20"LAO	Quercus laurifolia	Laurel Oak	2
37839	14"LAO	Quercus laurifolia	Laurel Oak	2
37840	10"LAO	Quercus laurifolia	Laurel Oak	2
37841	10"LAO	Quercus laurifolia	Laurel Oak	2
37843	12"LAO	Quercus laurifolia	Laurel Oak	2
37844	22"LAO	Quercus laurifolia	Laurel Oak	2
37853	12"LAO	Quercus laurifolia	Laurel Oak	2
37854	22"LAO	Quercus laurifolia	Laurel Oak	2
37857	22"SG	Liquidambar stryaciflua	Sweetgum	2
37861	26"SG	Liquidambar stryaciflua	Sweetgum	2
37864	16"SG	Liquidambar stryaciflua	Sweetgum	2
37866	16"SG	Liquidambar stryaciflua	Sweetgum	2
37867	17"LAO	Quercus laurifolia	Laurel Oak	2
37868	12"16"SG	Liquidambar stryaciflua	Sweetgum	2
37869	14"LO	Quercus virginiana	Live Oak	2
37871	10"LO	Quercus virginiana	Live Oak	2
37876	16"LO	Quercus virginiana	Live Oak	2
37877	17"LAO	Quercus laurifolia	Laurel Oak	2
37878	17"LAO	Quercus laurifolia	Laurel Oak	2
37884	18"LAO	Quercus laurifolia	Laurel Oak	2
37885	11"LAO	Quercus laurifolia	Laurel Oak	2
37886	10"LO	Quercus virginiana	Live Oak	2
37887	18"LO	Quercus virginiana	Live Oak	2
37889	14"LO	Quercus virginiana	Live Oak	2
37892	21"LAO	Quercus laurifolia	Laurel Oak	2
37893	15"HIC	Carya glabra	Hickory	2
37894	11"HIC	Carya glabra	Hickory	2
37897	27"LO	Quercus virginiana	Live Oak	2
37898	18"SG	Liquidambar stryaciflua	Sweetgum	2
37899	27"LO	Quercus virginiana	Live Oak	2
37900	11"SG	Liquidambar stryaciflua	Sweetgum	2
37902	13"LAO	Quercus laurifolia	Laurel Oak	2
37903	25"LO	Quercus virginiana	Live Oak	2
37904	25"LO	Quercus virginiana	Live Oak	2
37908	19"LAO	Quercus laurifolia	Laurel Oak	2
37913	14"LAO	Quercus laurifolia	Laurel Oak	2
37914	18"LAO	Quercus laurifolia	Laurel Oak	2
37916	13"LAO	Quercus laurifolia	Laurel Oak	2
37917	28"LAO	Quercus laurifolia	Laurel Oak	2
38002	21"LAO	Quercus laurifolia	Laurel Oak	2
38004	10"LAO	Quercus laurifolia	Laurel Oak	2
38011	11"LAO	Quercus laurifolia	Laurel Oak	2
38013	29"LAO	Quercus laurifolia	Laurel Oak	2
38018	23"LAO	Quercus laurifolia	Laurel Oak	2
38019	16"LAO	Quercus laurifolia	Laurel Oak	2
38022	13"LAO	Quercus laurifolia	Laurel Oak	2
38023	13"LAO	Quercus laurifolia	Laurel Oak	2
38036	12"LAO	Quercus laurifolia	Laurel Oak	2

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
38040	11"LAO	Quercus laurifolia	Laurel Oak	2
38041	14"LAO	Quercus laurifolia	Laurel Oak	2
38049	19"LAO	Quercus laurifolia	Laurel Oak	2
38050	16"LAO	Quercus laurifolia	Laurel Oak	2
38054	12"LAO	Quercus laurifolia	Laurel Oak	2
38055	12"LAO	Quercus laurifolia	Laurel Oak	2
38061	25"LAO	Quercus laurifolia	Laurel Oak	2
38078	20"LAO	Quercus laurifolia	Laurel Oak	2
38087	5"14"LAO	Quercus laurifolia	Laurel Oak	2
38092	19"LAO	Quercus laurifolia	Laurel Oak	2
38093	10"LO	Quercus virginiana	Live Oak	2
38100	28"LAO	Quercus laurifolia	Laurel Oak	2
38108	11"LAO	Quercus laurifolia	Laurel Oak	2
38258	12"LAO	Quercus laurifolia	Laurel Oak	2
38259	4"6"10"MAG	Magnolia grandiflora	Magnolia	2
38260	6"10"MAG	Magnolia grandiflora	Magnolia	2
38268	5"5"11"LAO	Quercus laurifolia	Laurel Oak	2
38269	10"LAO	Quercus laurifolia	Laurel Oak	2
38276	14"LAO	Quercus laurifolia	Laurel Oak	2
38286	10"8"5"LAO	Quercus laurifolia	Laurel Oak	2
38302	14"LAO	Quercus laurifolia	Laurel Oak	2
38303	10"LAO	Quercus laurifolia	Laurel Oak	2
38304	11"15"LAO	Quercus laurifolia	Laurel Oak	2
38305	21"LAO	Quercus laurifolia	Laurel Oak	2
38307	28"LO	Quercus virginiana	Live Oak	2
38308	20"LO	Quercus virginiana	Live Oak	2
38309	17"LAO	Quercus laurifolia	Laurel Oak	2
38310	10"LAO	Quercus laurifolia	Laurel Oak	2
38311	10"LAO	Quercus laurifolia	Laurel Oak	2
38312	10"LAO	Quercus laurifolia	Laurel Oak	2
38313	26"LAO	Quercus laurifolia	Laurel Oak	2
38316	20"LAO	Quercus laurifolia	Laurel Oak	2
38317	14"LAO	Quercus laurifolia	Laurel Oak	2
38319	12"17"LO	Quercus virginiana	Live Oak	2
38321	12"LO	Quercus virginiana	Live Oak	2
38337	12"12"LAO	Quercus laurifolia	Laurel Oak	2
50018	24"CL	Prunus caroliniana	Cherry Laurel	2
50030	14"CL	Prunus caroliniana	Cherry Laurel	2
50055	14"LAO	Quercus laurifolia	Laurel Oak	2
50066	9"10"CL	Prunus caroliniana	Cherry Laurel	2
50070	11"LAO	Quercus laurifolia	Laurel Oak	2
60031	11"LAO	Quercus laurifolia	Laurel Oak	2
60066	12"LAO	Quercus laurifolia	Laurel Oak	2
60067	14"LAO	Quercus laurifolia	Laurel Oak	2
60077	10"LAO	Quercus laurifolia	Laurel Oak	2
60078	13"LAO	Quercus laurifolia	Laurel Oak	2
60079	19"LAO	Quercus laurifolia	Laurel Oak	2
60140	13"LAO	Quercus laurifolia	Laurel Oak	2
60141	16"LAO	Quercus laurifolia	Laurel Oak	2
60192	10"LAO	Quercus laurifolia	Laurel Oak	2
60193	13"LAO	Quercus laurifolia	Laurel Oak	2
110820	12"LAO	Quercus laurifolia	Laurel Oak	2
110821	15"LAO	Quercus laurifolia	Laurel Oak	2
110822	25"CL	Prunus caroliniana	Cherry Laurel	2
110823	18"LAO	Quercus laurifolia	Laurel Oak	2
110824	21"LAO	Quercus laurifolia	Laurel Oak	2
110833	13"LAO	Quercus laurifolia	Laurel Oak	2
110834	10"LAO	Quercus laurifolia	Laurel Oak	2
110836	14"LAO	Quercus laurifolia	Laurel Oak	2
110837	14"LAO	Quercus laurifolia	Laurel Oak	2
110838	10"CL	Prunus caroliniana	Cherry Laurel	2
110839	10"CL	Prunus caroliniana	Cherry Laurel	2
110840	11"LAO	Quercus laurifolia	Laurel Oak	2
110841	12"LAO	Quercus laurifolia	Laurel Oak	2
110842	16"LAO	Quercus laurifolia	Laurel Oak	2
110843	10"LAO	Quercus laurifolia	Laurel Oak	2
110844	10"LAO	Quercus laurifolia	Laurel Oak	2
110845	13"LAO	Quercus laurifolia	Laurel Oak	2
110846	15"LAO	Quercus laurifolia	Laurel Oak	2
110848	12"LAO	Quercus laurifolia	Laurel Oak	2
110849	29"LO	Quercus virginiana	Live Oak	2
110850	14"LAO	Quercus laurifolia	Laurel Oak	2
110851	24"LO	Quercus virginiana	Live Oak	2
110852	13"CL	Prunus caroliniana	Cherry Laurel	2
111376	28"LAO	Quercus laurifolia	Laurel Oak	2
111377	14"LAO	Quercus laurifolia	Laurel Oak	2
111378	14"LAO	Quercus laurifolia	Laurel Oak	2
111380	10"LAO	Quercus laurifolia	Laurel Oak	2
111381	10"LAO	Quercus laurifolia	Laurel Oak	2
111384	26"LAO	Quercus laurifolia	Laurel Oak	2
111385	28"LAO	Quercus laurifolia	Laurel Oak	2
111388	8"11"LAO	Quercus laurifolia	Laurel Oak	2
111390	11"LAO	Quercus laurifolia	Laurel Oak	2
111391	26"LAO	Quercus laurifolia	Laurel Oak	2
111393	10"CL	Prunus caroliniana	Cherry Laurel	2
111394	10"LAO	Quercus laurifolia	Laurel Oak	2
111396	10"LAO	Quercus laurifolia	Laurel Oak	2
111399	27"LAO	Quercus laurifolia	Laurel Oak	2
111400	10"LO	Quercus virginiana	Live Oak	2
111402	10"LAO	Quercus laurifolia	Laurel Oak	2

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
111403	12"LAO	Quercus laurifolia	Laurel Oak	2
111404	15"LO	Quercus virginiana	Live Oak	2
111405	14"LO	Quercus virginiana	Live Oak	2
111407	22"LAO	Quercus laurifolia	Laurel Oak	2
111408	28"CL	Prunus caroliniana	Cherry Laurel	2
111409	14"LAO	Quercus laurifolia	Laurel Oak	2
111410	28"LAO	Quercus laurifolia	Laurel Oak	2
111411	18"LO	Quercus virginiana	Live Oak	2
111412	27"LO	Quercus virginiana	Live Oak	2
111413	12"LAO	Quercus laurifolia	Laurel Oak	2
111415	20"LAO	Quercus laurifolia	Laurel Oak	2
111416	17"LO	Quercus virginiana	Live Oak	2
111419	19"LAO	Quercus laurifolia	Laurel Oak	2
111420	16"LAO	Quercus laurifolia	Laurel Oak	2
111421	13"LAO	Quercus laurifolia	Laurel Oak	2
111422	17"LAO	Quercus laurifolia	Laurel Oak	2
111423	28"LAO	Quercus laurifolia	Laurel Oak	2
111424	27"LAO	Quercus laurifolia	Laurel Oak	2
111425	14"LO	Quercus virginiana	Live Oak	2
111426	29"LAO	Quercus laurifolia	Laurel Oak	2
111429	16"LO	Quercus virginiana	Live Oak	2
111430	10"LO	Quercus virginiana	Live Oak	2
111431	13"CL	Prunus caroliniana	Cherry Laurel	2
111432	12"LAO	Quercus laurifolia	Laurel Oak	2
111433	19"LAO	Quercus laurifolia	Laurel Oak	2
111440	11"LAO	Quercus laurifolia	Laurel Oak	2
111441	13"LAO	Quercus laurifolia	Laurel Oak	2
111442	25"LAO	Quercus laurifolia	Laurel Oak	2
111443	10"LAO	Quercus laurifolia	Laurel Oak	2
111444	15"LAO	Quercus laurifolia	Laurel Oak	2
111445	28"CL	Prunus caroliniana	Cherry Laurel	2
111447	12"LAO	Quercus laurifolia	Laurel Oak	2
111448	10"LAO	Quercus laurifolia	Laurel Oak	2
111449	18"18"CL	Prunus caroliniana	Cherry Laurel	2
111451	16"LAO	Quercus laurifolia	Laurel Oak	2
111452	12"LAO	Quercus laurifolia	Laurel Oak	2
111454	10"LAO	Quercus laurifolia	Laurel Oak	2
111455	16"LAO	Quercus laurifolia	Laurel Oak	2
111456	18"LAO	Quercus laurifolia	Laurel Oak	2
111457	23"LAO	Quercus laurifolia	Laurel Oak	2
111458	13"LAO	Quercus laurifolia	Laurel Oak	2
111459	22"LAO	Quercus laurifolia	Laurel Oak	2
111460	12"LAO	Quercus laurifolia	Laurel Oak	2
111461	14"LAO	Quercus laurifolia	Laurel Oak	2
111462	22"LAO	Quercus laurifolia	Laurel Oak	2
111464	22"LAO	Quercus laurifolia	Laurel Oak	2
111467	16"LAO	Quercus laurifolia	Laurel Oak	2
111468	10"LAO	Quercus laurifolia	Laurel Oak	2
111470	17"RO	Quercus falcata	Red Oak	2
111474	11"LAO	Quercus laurifolia	Laurel Oak	2
111475	15"LAO	Quercus laurifolia	Laurel Oak	2
111476	12"LAO	Quercus laurifolia	Laurel Oak	2
111477	11"LAO	Quercus laurifolia	Laurel Oak	2
111478	22"LAO	Quercus laurifolia	Laurel Oak	2
111479	16"LAO	Quercus laurifolia	Laurel Oak	2
111480	10"LAO	Quercus laurifolia	Laurel Oak	2
111481	12"LAO	Quercus laurifolia	Laurel Oak	2
111483	28"LAO	Quercus laurifolia	Laurel Oak	2
111484	11"LAO	Quercus laurifolia	Laurel Oak	2
111485	25"LAO	Quercus laurifolia	Laurel Oak	2
111486	18"LAO	Quercus laurifolia	Laurel Oak	2
111488	19"LAO	Quercus laurifolia	Laurel Oak	2
111489	22"LAO	Quercus laurifolia	Laurel Oak	2
111490	15"LAO	Quercus laurifolia	Laurel Oak	2
111491	12"CL	Prunus caroliniana	Cherry Laurel	2
111492	15"CL	Prunus caroliniana	Cherry Laurel	2
111493	23"LAO	Quercus laurifolia	Laurel Oak	2
111494	15"HIC	Carya glabra	Hickory	2
111496	10"LAO	Quercus laurifolia	Laurel Oak	2
111497	24"LAO	Quercus laurifolia	Laurel Oak	2
111498	28"LAO	Quercus laurifolia	Laurel Oak	2
111499	12"CL	Prunus caroliniana	Cherry Laurel	2
111500	12"LAO	Quercus laurifolia	Laurel Oak	2
111501	19"LAO	Quercus laurifolia	Laurel Oak	2
111502	14"24"LAO	Quercus laurifolia	Laurel Oak	2
111503	11"LAO	Quercus laurifolia	Laurel Oak	2
111505	13"CL	Prunus caroliniana	Cherry Laurel	2
111506	10"CL	Prunus caroliniana	Cherry Laurel	2
111510	10"LAO	Quercus laurifolia	Laurel Oak	2
111512	10"LAO	Quercus laurifolia	Laurel Oak	2
111515	19"LO	Quercus virginiana	Live Oak	2
111516	15"LAO	Quercus laurifolia	Laurel Oak	2
111517	21"LAO	Quercus laurifolia	Laurel Oak	2
111518	10" LAO	Quercus laurifolia	Laurel Oak	2
111519	14"LAO	Quercus laurifolia	Laurel Oak	2
111520	11"LAO	Quercus laurifolia	Laurel Oak	2
111521	11"CL	Prunus caroliniana	Cherry Laurel	2
111522	15"CL	Prunus caroliniana	Cherry Laurel	2
111523	28"LAO	Quercus laurifolia	Laurel Oak	2
111524	10"LAO	Quercus laurifolia	Laurel Oak	2

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
111525	20"LAO	Quercus laurifolia	Laurel Oak	2
111528	16"LAO	Quercus laurifolia	Laurel Oak	2
111529	11"CL	Prunus caroliniana	Cherry Laurel	2
111530	10"CL	Prunus caroliniana	Cherry Laurel	2
111531	24"LAO	Quercus laurifolia	Laurel Oak	2
111532	14"LAO	Quercus laurifolia	Laurel Oak	2
111533	21"LAO	Quercus laurifolia	Laurel Oak	2
111534	20"LAO	Quercus laurifolia	Laurel Oak	2
111535	14"LAO	Quercus laurifolia	Laurel Oak	2
111536	14"CL	Prunus caroliniana	Cherry Laurel	2
111538	25"LAO	Quercus laurifolia	Laurel Oak	2
111539	11"LAO	Quercus laurifolia	Laurel Oak	2
111540	23"LAO	Quercus laurifolia	Laurel Oak	2
111541	13"CL	Prunus caroliniana	Cherry Laurel	2
111542	27"LAO	Quercus laurifolia	Laurel Oak	2
111543	12"CL	Prunus caroliniana	Cherry Laurel	2
111545	13"CL	Prunus caroliniana	Cherry Laurel	2
111546	26"LAO	Quercus laurifolia	Laurel Oak	2
111548	15"LAO	Quercus laurifolia	Laurel Oak	2
111549	19"LAO	Quercus laurifolia	Laurel Oak	2
111550	25"LAO	Quercus laurifolia	Laurel Oak	2
111551	13"LO	Quercus virginiana	Live Oak	2
111552	11"LAO	Quercus laurifolia	Laurel Oak	2
111553	12" LAO	Quercus laurifolia	Laurel Oak	2
111554	15"LAO	Quercus laurifolia	Laurel Oak	2
111555	13"CL	Prunus caroliniana	Cherry Laurel	2
111556	11"LAO	Quercus laurifolia	Laurel Oak	2
111558	16"LAO	Quercus laurifolia	Laurel Oak	2
111562	12"LAO	Quercus laurifolia	Laurel Oak	2
111563	12"LAO	Quercus laurifolia	Laurel Oak	2
111564	16"LAO	Quercus laurifolia	Laurel Oak	2
111565	11"LAO	Quercus laurifolia	Laurel Oak	2
111567	17"LAO	Quercus laurifolia	Laurel Oak	2
111568	11"LAO	Quercus laurifolia	Laurel Oak	2
111569	13"LAO	Quercus laurifolia	Laurel Oak	2
111571	11"LAO	Quercus laurifolia	Laurel Oak	2
111573	20"CL	Prunus caroliniana	Cherry Laurel	2
111574	21"LAO	Quercus laurifolia	Laurel Oak	2
111575	17"LAO	Quercus laurifolia	Laurel Oak	2
111576	13"CL	Prunus caroliniana	Cherry Laurel	2
111577	16"LAO	Quercus laurifolia	Laurel Oak	2
111580	21"LAO	Quercus laurifolia	Laurel Oak	2
111581	11"LO	Quercus virginiana	Live Oak	2
111582	17"LAO	Quercus laurifolia	Laurel Oak	2
111583	11"LAO	Quercus laurifolia	Laurel Oak	2
111584	12"LAO	Quercus laurifolia	Laurel Oak	2
111585	21"LAO	Quercus laurifolia	Laurel Oak	2
111587	16"LAO	Quercus laurifolia	Laurel Oak	2
111588	19"LAO	Quercus laurifolia	Laurel Oak	2
111590	29"LAO	Quercus laurifolia	Laurel Oak	2
111591	20"LO	Quercus virginiana	Live Oak	2
111592	13"LAO	Quercus laurifolia	Laurel Oak	2
111593	23"LAO	Quercus laurifolia	Laurel Oak	2
111596	21"LAO	Quercus laurifolia	Laurel Oak	2
111597	10"LAO	Quercus laurifolia	Laurel Oak	2
111598	17"CL	Prunus caroliniana	Cherry Laurel	2
111599	15"LAO	Quercus laurifolia	Laurel Oak	2
111600	18"LAO	Quercus laurifolia	Laurel Oak	2
111602	10"LAO	Quercus laurifolia	Laurel Oak	2
111603	12" LAO	Quercus laurifolia	Laurel Oak	2
111604	11"16"LAO	Quercus laurifolia	Laurel Oak	2
111605	12"LAO	Quercus laurifolia	Laurel Oak	2
111606	18"LAO	Quercus laurifolia	Laurel Oak	2
111607	14"LAO	Quercus laurifolia	Laurel Oak	2
111608	14"LAO	Quercus laurifolia	Laurel Oak	2
111609	14"LAO	Quercus laurifolia	Laurel Oak	2
111610	14"LAO	Quercus laurifolia	Laurel Oak	2
111611	19"LAO	Quercus laurifolia	Laurel Oak	2
111612	22"LAO	Quercus laurifolia	Laurel Oak	2
111613	13"LAO	Quercus laurifolia	Laurel Oak	2
111614	16"LAO	Quercus laurifolia	Laurel Oak	2
111615	20"CL	Prunus caroliniana	Cherry Laurel	2
111616	20"LAO	Quercus laurifolia	Laurel Oak	2
111617	15"LAO	Quercus laurifolia	Laurel Oak	2
111618	11"LAO	Quercus laurifolia	Laurel Oak	2
111619	24"LAO	Quercus laurifolia	Laurel Oak	2
111620	11"SG	Liquidambar stryaciflua	Sweetgum	2
111621	12" LAO	Quercus laurifolia	Laurel Oak	2
111622	10"LAO	Quercus laurifolia	Laurel Oak	2
111623	16"LAO	Quercus laurifolia	Laurel Oak	2
111624	12" LAO	Quercus laurifolia	Laurel Oak	2
111625	10"LAO	Quercus laurifolia	Laurel Oak	2
111626	15"LAO	Quercus laurifolia	Laurel Oak	2
111630	14"LAO	Quercus laurifolia	Laurel Oak	2
111631	12" LAO	Quercus laurifolia	Laurel Oak	2
111632	12" LAO	Quercus laurifolia	Laurel Oak	2
111633	13"LAO	Quercus laurifolia	Laurel Oak	2
111634	17"LAO	Quercus laurifolia	Laurel Oak	2
111638	12"LAO	Quercus laurifolia	Laurel Oak	2
111639	13"CL	Prunus caroliniana	Cherry Laurel	2

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Alachua, Florida 32615
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CHW Professional Consultants

SCALE: N/A
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
09/14/2023 - SUBMITTAL TO CITY OF ALACHUA
03/07/2024 - SUBMITTAL TO CITY OF ALACHUA
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: TREE MITIGATION CALCULATIONS

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT JOHN MICHAEL SIMPSON LA6667436 STATE OF FLORIDA

SHEET NO.: LS-24

Tech: john-michaels Plot Date: May 14,2024 5:02pm Filename: N:\2021\21-0275\Departments\03_Design\02_DWGs\01_Permitting\21-0275 Design Base.dwg

TREE MITIGATION CALCULATIONS

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
111641	13"CL	Prunus caroliniana	Cherry Laurel	2
111642	12" LAO	Quercus laurifolia	Laurel Oak	2
111643	10" LAO	Quercus laurifolia	Laurel Oak	2
111650	9"15"LAO	Quercus laurifolia	Laurel Oak	2
111651	10"MAG	Magnolia grandiflora	Magnolia	2
111652	28"LAO	Quercus laurifolia	Laurel Oak	2
111653	22"LO	Quercus virginiana	Live Oak	2
111654	25"LO	Quercus virginiana	Live Oak	2
111655	12"LAO	Quercus laurifolia	Laurel Oak	2
111657	11"LAO	Quercus laurifolia	Laurel Oak	2
111658	18"LAO	Quercus laurifolia	Laurel Oak	2
111659	12"LAO	Quercus laurifolia	Laurel Oak	2
111661	11"LAO	Quercus laurifolia	Laurel Oak	2
111663	19"LAO	Quercus laurifolia	Laurel Oak	2
111664	12"LAO	Quercus laurifolia	Laurel Oak	2
111665	14"LAO	Quercus laurifolia	Laurel Oak	2
111666	8"11"LAO	Quercus laurifolia	Laurel Oak	2
111667	13"LAO	Quercus laurifolia	Laurel Oak	2
111668	12"LAO	Quercus laurifolia	Laurel Oak	2
111669	13"HIC	Carya glabra	Hickory	2
111671	11"CL	Prunus caroliniana	Cherry Laurel	2
111672	16"LAO	Quercus laurifolia	Laurel Oak	2
111673	24"LAO	Quercus laurifolia	Laurel Oak	2
111674	28"CL	Prunus caroliniana	Cherry Laurel	2
111675	17"LAO	Quercus laurifolia	Laurel Oak	2
111676	20"LAO	Quercus laurifolia	Laurel Oak	2
111677	16"LAO	Quercus laurifolia	Laurel Oak	2
111680	21"LAO	Quercus laurifolia	Laurel Oak	2
111681	25"LAO	Quercus laurifolia	Laurel Oak	2
111682	14"LAO	Quercus laurifolia	Laurel Oak	2
111683	13"LAO	Quercus laurifolia	Laurel Oak	2
111684	17"LAO	Quercus laurifolia	Laurel Oak	2
111685	22"LAO	Quercus laurifolia	Laurel Oak	2
111687	17"LAO	Quercus laurifolia	Laurel Oak	2
111688	13"LAO	Quercus laurifolia	Laurel Oak	2
111689	13"LAO	Quercus laurifolia	Laurel Oak	2
111690	24"LAO	Quercus laurifolia	Laurel Oak	2
111691	28"LAO	Quercus laurifolia	Laurel Oak	2
111692	27"LAO	Quercus laurifolia	Laurel Oak	2
111693	29"LAO	Quercus laurifolia	Laurel Oak	2
111695	10"CL	Prunus caroliniana	Cherry Laurel	2
111696	27"LAO	Quercus laurifolia	Laurel Oak	2
111697	29"LAO	Quercus laurifolia	Laurel Oak	2
111699	20"LAO	Quercus laurifolia	Laurel Oak	2
111700	15"LAO	Quercus laurifolia	Laurel Oak	2
111701	23"LAO	Quercus laurifolia	Laurel Oak	2
111704	16"RO	Quercus falcata	Red Oak	2
111705	21"LAO	Quercus laurifolia	Laurel Oak	2
111706	21"LAO	Quercus laurifolia	Laurel Oak	2
111708	21"LAO	Quercus laurifolia	Laurel Oak	2
111709	26"LAO	Quercus laurifolia	Laurel Oak	2
111710	11"CL	Prunus caroliniana	Cherry Laurel	2
111711	11"LAO	Quercus laurifolia	Laurel Oak	2
111713	16"CL	Prunus caroliniana	Cherry Laurel	2
111714	25"LAO	Quercus laurifolia	Laurel Oak	2
111715	12"LAO	Quercus laurifolia	Laurel Oak	2
111716	20"RO	Quercus falcata	Red Oak	2
111717	12"LAO	Quercus laurifolia	Laurel Oak	2
111718	12"LAO	Quercus laurifolia	Laurel Oak	2
111719	13"LAO	Quercus laurifolia	Laurel Oak	2
111722	16"LAO	Quercus laurifolia	Laurel Oak	2
111723	15"LAO	Quercus laurifolia	Laurel Oak	2
111724	16"LAO	Quercus laurifolia	Laurel Oak	2
111726	10"LAO	Quercus laurifolia	Laurel Oak	2
111727	18"LAO	Quercus laurifolia	Laurel Oak	2
111728	13"LAO	Quercus laurifolia	Laurel Oak	2
111730	26"LAO	Quercus laurifolia	Laurel Oak	2
111732	10"LAO	Quercus laurifolia	Laurel Oak	2
111733	15"LAO	Quercus laurifolia	Laurel Oak	2
111734	17"LAO	Quercus laurifolia	Laurel Oak	2
111735	16"LAO	Quercus laurifolia	Laurel Oak	2
111736	17"LAO	Quercus laurifolia	Laurel Oak	2
111737	13"LAO	Quercus laurifolia	Laurel Oak	2
111738	11"LAO	Quercus laurifolia	Laurel Oak	2
111740	13"LAO	Quercus laurifolia	Laurel Oak	2
111741	12"LAO	Quercus laurifolia	Laurel Oak	2
111742	12"LO	Quercus virginiana	Live Oak	2
111743	12"LAO	Quercus laurifolia	Laurel Oak	2
111744	10"LO	Quercus virginiana	Live Oak	2
111747	14"LAO	Quercus laurifolia	Laurel Oak	2
111748	20"LAO	Quercus laurifolia	Laurel Oak	2
111749	15"LAO	Quercus laurifolia	Laurel Oak	2
111750	13"LAO	Quercus laurifolia	Laurel Oak	2
111752	10"LAO	Quercus laurifolia	Laurel Oak	2
111753	17"LAO	Quercus laurifolia	Laurel Oak	2
111758	11"LAO	Quercus laurifolia	Laurel Oak	2
111759	16"LO	Quercus virginiana	Live Oak	2
111761	19"LAO	Quercus laurifolia	Laurel Oak	2
111772	24"LAO	Quercus laurifolia	Laurel Oak	2
111773	23"LAO	Quercus laurifolia	Laurel Oak	2

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
111774	11"CL	Prunus caroliniana	Cherry Laurel	2
111788	27"LAO	Quercus laurifolia	Laurel Oak	2
111790	15"LO	Quercus virginiana	Live Oak	2
111792	13"CL	Prunus caroliniana	Cherry Laurel	2
111798	10"CL	Prunus caroliniana	Cherry Laurel	2
111805	18"CL	Prunus caroliniana	Cherry Laurel	2
111806	14"CL	Prunus caroliniana	Cherry Laurel	2
111808	26"LAO	Quercus laurifolia	Laurel Oak	2
111810	19"LAO	Quercus laurifolia	Laurel Oak	2
111811	15"LAO	Quercus laurifolia	Laurel Oak	2
111812	12" LAO	Quercus laurifolia	Laurel Oak	2
111814	15"LAO	Quercus laurifolia	Laurel Oak	2
111816	26"LAO	Quercus laurifolia	Laurel Oak	2
111817	14"LAO	Quercus laurifolia	Laurel Oak	2
111818	21"LAO	Quercus laurifolia	Laurel Oak	2
111819	19"LAO	Quercus laurifolia	Laurel Oak	2
111820	28"LAO	Quercus laurifolia	Laurel Oak	2
111821	12" LAO	Quercus laurifolia	Laurel Oak	2
111843	10"CL	Prunus caroliniana	Cherry Laurel	2
111844	11"CL	Prunus caroliniana	Cherry Laurel	2
111848	14"CL	Prunus caroliniana	Cherry Laurel	2
111851	12"CL	Prunus caroliniana	Cherry Laurel	2
111859	11"LAO	Quercus laurifolia	Laurel Oak	2
111861	14"LAO	Quercus laurifolia	Laurel Oak	2
111862	14"LAO	Quercus laurifolia	Laurel Oak	2
111863	19"LAO	Quercus laurifolia	Laurel Oak	2
111877	15"CL	Prunus caroliniana	Cherry Laurel	2
111882	13"CL	Prunus caroliniana	Cherry Laurel	2
111895	13"CL	Prunus caroliniana	Cherry Laurel	2
111907	11"CL	Prunus caroliniana	Cherry Laurel	2
111919	10"CL	Prunus caroliniana	Cherry Laurel	2
111933	11"SG	Liquidambar stryaciflua	Sweetgum	2
111937	24"LO	Quercus virginiana	Live Oak	2
111939	19"CL	Prunus caroliniana	Cherry Laurel	2
111942	20"CL	Prunus caroliniana	Cherry Laurel	2
111943	17"LAO	Quercus laurifolia	Laurel Oak	2
111945	14"CL	Prunus caroliniana	Cherry Laurel	2
111946	27"CL	Prunus caroliniana	Cherry Laurel	2
111947	14"LAO	Quercus laurifolia	Laurel Oak	2
111948	10"CL	Prunus caroliniana	Cherry Laurel	2
111949	27"LAO	Quercus laurifolia	Laurel Oak	2
111952	13"LAO	Quercus laurifolia	Laurel Oak	2
111960	24"LAO	Quercus laurifolia	Laurel Oak	2
111961	13"LO	Quercus virginiana	Live Oak	2
111962	14"LO	Quercus virginiana	Live Oak	2
111963	10"LO	Quercus virginiana	Live Oak	2
111964	25" LAO	Quercus laurifolia	Laurel Oak	2
111965	10"CL	Prunus caroliniana	Cherry Laurel	2
111966	11"CL	Prunus caroliniana	Cherry Laurel	2
111969	13"CL	Prunus caroliniana	Cherry Laurel	2
111976	18"SG	Liquidambar stryaciflua	Sweetgum	2
111977	13"SG	Liquidambar stryaciflua	Sweetgum	2
111978	15"CL	Prunus caroliniana	Cherry Laurel	2
111979	12"SG	Liquidambar stryaciflua	Sweetgum	2
111981	12" LAO	Quercus laurifolia	Laurel Oak	2
111982	19"CL	Prunus caroliniana	Cherry Laurel	2
111983	15"CL	Prunus caroliniana	Cherry Laurel	2
111985	18"LAO	Quercus laurifolia	Laurel Oak	2
111986	23"LAO	Quercus laurifolia	Laurel Oak	2
111994	10"LAO	Quercus laurifolia	Laurel Oak	2
111996	14"MAG	Magnolia grandiflora	Magnolia	2
111997	12"LO	Quercus virginiana	Live Oak	2
112002	10"SG	Liquidambar stryaciflua	Sweetgum	2
112003	18"LAO	Quercus laurifolia	Laurel Oak	2
112005	11"SG	Liquidambar stryaciflua	Sweetgum	2
112007	15"LAO	Quercus laurifolia	Laurel Oak	2
112009	12" LAO	Quercus laurifolia	Laurel Oak	2
112010	23"LAO	Quercus laurifolia	Laurel Oak	2
112014	25"LAO	Quercus laurifolia	Laurel Oak	2
112015	14"LAO	Quercus laurifolia	Laurel Oak	2
112016	14"LAO	Quercus laurifolia	Laurel Oak	2
112017	11"LAO	Quercus laurifolia	Laurel Oak	2
112018	18"LAO	Quercus laurifolia	Laurel Oak	2
112020	11"LAO	Quercus laurifolia	Laurel Oak	2
112021	10"CL	Prunus caroliniana	Cherry Laurel	2
112022	17"LO	Quercus virginiana	Live Oak	2
112023	22"LAO	Quercus laurifolia	Laurel Oak	2
112028	10"CL	Prunus caroliniana	Cherry Laurel	2
112031	16"CL	Prunus caroliniana	Cherry Laurel	2
112033	17"LAO	Quercus laurifolia	Laurel Oak	2
112036	10"CL	Prunus caroliniana	Cherry Laurel	2
112045	10"CL	Prunus caroliniana	Cherry Laurel	2
112051	10"CL	Prunus caroliniana	Cherry Laurel	2
112058	15"CL	Prunus caroliniana	Cherry Laurel	2
112111	19"LAO	Quercus laurifolia	Laurel Oak	2
112112	10"CL	Prunus caroliniana	Cherry Laurel	2
112116	10"CL	Prunus caroliniana	Cherry Laurel	2
112117	10"CL	Prunus caroliniana	Cherry Laurel	2
112120	10"CL	Prunus caroliniana	Cherry Laurel	2
112126	13"CL	Prunus caroliniana	Cherry Laurel	2

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
112129	14"LAO	Quercus laurifolia	Laurel Oak	2
112161	29"LAO	Quercus laurifolia	Laurel Oak	2
112165	18"LAO	Quercus laurifolia	Laurel Oak	2
112167	11"LAO	Quercus laurifolia	Laurel Oak	2
112168	10"LAO	Quercus laurifolia	Laurel Oak	2
112169	12"LAO	Quercus laurifolia	Laurel Oak	2
112171	10"LAO	Quercus laurifolia	Laurel Oak	2
112174	16"LAO	Quercus laurifolia	Laurel Oak	2
112175	14"LAO	Quercus laurifolia	Laurel Oak	2
112176	14"LAO	Quercus laurifolia	Laurel Oak	2
112177	16"LAO	Quercus laurifolia	Laurel Oak	2
112179	11"LAO	Quercus laurifolia	Laurel Oak	2
150013	19"LAO	Quercus laurifolia	Laurel Oak	2
150014	21"LAO	Quercus laurifolia	Laurel Oak	2
150016	14"LAO	Quercus laurifolia	Laurel Oak	2
150017	11"LAO	Quercus laurifolia	Laurel Oak	2
150018	19"LAO	Quercus laurifolia	Laurel Oak	2
150019	10"LAO	Quercus laurifolia	Laurel Oak	2
150020	16"LAO	Quercus laurifolia	Laurel Oak	2
150021	11"LAO	Quercus laurifolia	Laurel Oak	2
150022	12"LAO	Quercus laurifolia	Laurel Oak	2
150023	21"WO	Quercus nigra	Water Oak	2
150025	16"LAO	Quercus laurifolia	Laurel Oak	2
150026	17"LAO	Quercus laurifolia	Laurel Oak	2
150028	23"LAO	Quercus laurifolia	Laurel Oak	2
150040	10"LAO	Quercus laurifolia	Laurel Oak	2
150050	15"LAO	Quercus laurifolia	Laurel Oak	2
150066	12"LAO	Quercus laurifolia	Laurel Oak	2
150067	16"LO	Quercus virginiana	Live Oak	2
150070	17"LO	Quercus virginiana	Live Oak	2
150072	17"LAO	Quercus laurifolia	Laurel Oak	2
150080	14"LAO	Quercus laurifolia	Laurel Oak	2
150084	29"LAO	Quercus laurifolia	Laurel Oak	2
150086	14"LAO	Quercus laurifolia	Laurel Oak	2
150091	12"CL	Prunus caroliniana	Cherry Laurel	2
150092	18"LAO	Quercus laurifolia	Laurel Oak	2
150100	13"23"LAO	Quercus laurifolia	Laurel Oak	2
150122	25"LAO	Quercus laurifolia	Laurel Oak	2
150124	20"CL	Prunus caroliniana	Cherry Laurel	2
150127	20"LAO	Quercus laurifolia	Laurel Oak	2
150137	13"CL	Prunus caroliniana	Cherry Laurel	2
150139	11"CL	Prunus caroliniana	Cherry Laurel	2
150141	10"CL	Prunus caroliniana	Cherry Laurel	2
150147	16"LAO	Quercus laurifolia	Laurel Oak	2
150168	18"CL	Prunus caroliniana	Cherry Laurel	2
150172	15"CL	Prunus caroliniana	Cherry Laurel	2
150174	10"CL	Prunus caroliniana	Cherry Laurel	2
150181	18"LAO	Quercus laurifolia	Laurel Oak	2
150182	21"HIC	Carya glabra	Hickory	2
150190	15"LAO	Quercus laurifolia	Laurel Oak	2
150191	14"LO	Quercus virginiana	Live Oak	2
150197	18"LAO	Quercus laurifolia	Laurel Oak	2
150199	12"LAO	Quercus laurifolia	Laurel Oak	2
150201	10"CL	Prunus caroliniana	Cherry Laurel	2
150206	20"LAO	Quercus laurifolia	Laurel Oak	2
150209	13"LAO	Quercus laurifolia	Laurel Oak	2
150210	21"LAO	Quercus laurifolia	Laurel Oak	2
150211	15"LAO	Quercus laurifolia	Laurel Oak	2
150212	17"LAO	Quercus laurifolia	Laurel Oak	2
150219	13"LAO	Quercus laurifolia	Laurel Oak	2
150237	18"18"LAO	Quercus laurifolia	Laurel Oak	2
150244	12"LAO	Quercus laurifolia	Laurel Oak	2
150245	12"LAO	Quercus laurifolia	Laurel Oak	2
150253	12"LAO	Quercus laurifolia	Laurel Oak	2
150254	10"CL	Prunus caroliniana	Cherry Laurel	2
150257	12"CL	Prunus caroliniana	Cherry Laurel	2
150268	5"11"CL	Prunus caroliniana	Cherry Laurel	2
150273	11"CL	Prunus caroliniana	Cherry Laurel	2
150274	11"CL	Prunus caroliniana	Cherry Laurel	2
150292	11"CL	Prunus caroliniana	Cherry Laurel	2
150297	9"11"CL	Prunus caroliniana	Cherry Laurel	2
150300	11"CL	Prunus caroliniana	Cherry Laurel	2
150302	9"11"CL	Prunus caroliniana	Cherry Laurel	2
150303	10"CL	Prunus caroliniana	Cherry Laurel	2
150310	13"LAO	Quercus laurifolia	Laurel Oak	2
150311	11"LAO	Quercus laurifolia	Laurel Oak	2
150319	14"HIC	Carya glabra	Hickory	2
150320	9"13"CL	Prunus caroliniana	Cherry Laurel	2
150326	26"LO	Quercus virginiana	Live Oak	2
150331	19"LAO	Quercus laurifolia	Laurel Oak	2
150332	8"17"LAO	Quercus laurifolia	Laurel Oak	2
150344	14"LAO	Quercus laurifolia	Laurel Oak	2
150345	16"LAO	Quercus laurifolia	Laurel Oak	2
150346	27"LAO	Quercus laurifolia	Laurel Oak	2
150355	16"CL	Prunus caroliniana	Cherry Laurel	2
150356	13"CL	Prunus caroliniana	Cherry Laurel	2
150358	10"CL	Prunus caroliniana	Cherry Laurel	2
150369	10"CL	Prunus caroliniana	Cherry Laurel	2
150378	11"CL	Prunus caroliniana	Cherry Laurel	2
150386	10"CL	Prunus caroliniana	Cherry Laurel	2

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
150389	8"10"CL	Prunus caroliniana	Cherry Laurel	2
150392	10"CL	Prunus caroliniana	Cherry Laurel	2
150399	11"CL	Prunus caroliniana	Cherry Laurel	2
150400	10"CL	Prunus caroliniana	Cherry Laurel	2
150416	18"LAO	Quercus laurifolia	Laurel Oak	2
150420	10" CL	Prunus caroliniana	Cherry Laurel	2
150426	26"LAO	Quercus laurifolia	Laurel Oak	2
150427	11"LAO	Quercus laurifolia	Laurel Oak	2
150430	19"LO	Quercus virginiana	Live Oak	2
150433	15"LAO	Quercus laurifolia	Laurel Oak	2
150434	16"LAO	Quercus laurifolia	Laurel Oak	2
150436	14"LAO	Quercus laurifolia	Laurel Oak	2
150437	16"LAO	Quercus laurifolia	Laurel Oak	2
150438	17"LAO	Quercus laurifolia	Laurel Oak	2
150439	11"CL	Prunus caroliniana	Cherry Laurel	2
150442	23"LAO	Quercus laurifolia	Laurel Oak	2
150445	19"LAO	Quercus laurifolia	Laurel Oak	2
150447	23"LAO	Quercus laurifolia	Laurel Oak	2
150448	20"LAO	Quercus laurifolia	Laurel Oak	2
150450	10"LAO	Quercus laurifolia	Laurel Oak	2
150451	13"PLUM	Prunus umbellata	Plum Tree	2
150453	22"LAO	Quercus laurifolia	Laurel Oak	2
150455	23"LAO	Quercus laurifolia	Laurel Oak	2
150456	13"LAO	Quercus laurifolia	Laurel Oak	2
150457	20"LAO	Quercus laurifolia	Laurel Oak	2
150460	16"LAO	Quercus laurifolia	Laurel Oak	2
150462	22"LAO	Quercus laurifolia	Laurel Oak	2
150463	11"LAO	Quercus laurifolia	Laurel Oak	2

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Alachua, FL 32615
(352) 331-1976
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est. 1988 FLORIDA
LA0001663

CHW
Professional Consultants

SCALE: N/A

VERIFY SCALE
BAR ON ORIGINAL
IF NOT ONE INCH ON
THIS SHEET ADJUST
SCALES ACCORDINGLY.

0 1"

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
09/16/2023 - SUBMITTAL TO CITY OF ALACHUA
01/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: TREE MITIGATION CALCULATIONS

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS

PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-25

Tech: john-michaele Plot Date: May 14,2024 5:02pm File Name: N:\2021\21-0275\Department\05_Design\02_DWGs\01_Permitting\21-0275 Design Base.dwg

1 2 3 4

A B C D

HERITAGE TREE CALCULATIONS

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	MITIGATION
19110	45"LO	Quercus virginiana	Live Oak	45
37787	35"LO	Quercus virginiana	Live Oak	35
37792	23"26"LO	Quercus virginiana	Live Oak	49
37847	46"LO	Quercus virginiana	Live Oak	46
37849	52"LO	Quercus virginiana	Live Oak	52
37856	34"SG	Liquidambar stryaciflua	Sweetgum	34
37874	41"LO	Quercus virginiana	Live Oak	41
37901	32"LO	Quercus virginiana	Live Oak	32
37906	42"LO	Quercus virginiana	Live Oak	42
38010	13"22"30"LAO	Quercus laurifolia	Laurel Oak	52
38030	44"LO	Quercus virginiana	Live Oak	44
38052	36"LAO	Quercus laurifolia	Laurel Oak	36
38073	41"LAO	Quercus laurifolia	Laurel Oak	41
38075	26"34"LO	Quercus virginiana	Live Oak	60
38320	31"LO	Quercus virginiana	Live Oak	31
38349	40"LO	Quercus virginiana	Live Oak	40
50052	48"LO	Quercus virginiana	Live Oak	48
50063	36"LAO	Quercus laurifolia	Laurel Oak	36
60142	32"LAO	Quercus laurifolia	Laurel Oak	32
110853	42"RO	Quercus falcata	Red Oak	42
111374	40"40"LAO	Quercus laurifolia	Laurel Oak	80
111382	36"LAO	Quercus laurifolia	Laurel Oak	36
111383	32"LO	Quercus virginiana	Live Oak	32
111386	36"LAO	Quercus laurifolia	Laurel Oak	36
111387	36"LAO	Quercus laurifolia	Laurel Oak	36
111389	35"LO	Quercus virginiana	Live Oak	35
111392	36"LO	Quercus virginiana	Live Oak	36
111398	33"LAO	Quercus laurifolia	Laurel Oak	33
111418	44"LAO	Quercus laurifolia	Laurel Oak	44
111439	35"LAO	Quercus laurifolia	Laurel Oak	35
111471	30"LAO	Quercus laurifolia	Laurel Oak	30
111504	31"LAO	Quercus laurifolia	Laurel Oak	31
111526	31"LAO	Quercus laurifolia	Laurel Oak	31
111560	31"LAO	Quercus laurifolia	Laurel Oak	31
111579	34"LAO	Quercus laurifolia	Laurel Oak	34
111594	30"LAO	Quercus laurifolia	Laurel Oak	30
111640	32"LAO	Quercus laurifolia	Laurel Oak	32
111648	31"LAO	Quercus laurifolia	Laurel Oak	31
111649	37"LAO	Quercus laurifolia	Laurel Oak	37
111678	30"LO	Quercus virginiana	Live Oak	30
111686	33"LO	Quercus virginiana	Live Oak	33
111698	32"LAO	Quercus laurifolia	Laurel Oak	32
111729	33"LAO	Quercus laurifolia	Laurel Oak	33
111745	40"LAO	Quercus laurifolia	Laurel Oak	40
111756	59"LO	Quercus virginiana	Live Oak	59
111757	31"LAO	Quercus laurifolia	Laurel Oak	31
111762	36"LO	Quercus virginiana	Live Oak	36
111807	33"LAO	Quercus laurifolia	Laurel Oak	33
111809	34"LAO	Quercus laurifolia	Laurel Oak	34
111815	30"LAO	Quercus laurifolia	Laurel Oak	30
111922	36"LAO	Quercus laurifolia	Laurel Oak	36
111938	35"LO	Quercus virginiana	Live Oak	35
111984	36"LAO	Quercus laurifolia	Laurel Oak	36
111987	32"LO	Quercus virginiana	Live Oak	32
111989	50"LO	Quercus virginiana	Live Oak	50
111991	41"LO	Quercus virginiana	Live Oak	41
112148	39"LAO	Quercus laurifolia	Laurel Oak	39
112178	40"LAO	Quercus laurifolia	Laurel Oak	40
150044	31"LAO	Quercus laurifolia	Laurel Oak	31
150208	36"LAO	Quercus laurifolia	Laurel Oak	36
150213	43"LAO	Quercus laurifolia	Laurel Oak	43
150240	48"LAO	Quercus laurifolia	Laurel Oak	48
150324	34"WO	Quercus nigra	Water Oak	34
150335	38"LAO	Quercus laurifolia	Laurel Oak	38

CATEGORY	MITIGATION CALCULATIONS
INCH–FOR–INCH REPLACEMENT	HERITAGE TREES 64 TREES SEE TREE LIST ON LS–26 TOTAL INCHES REQUIRED.................................. 2,458" TOTAL TREES REQUIRED....................................1,229
1:1 REPLACEMENT	TOTAL TREES TO BE MITIGATED @ 1:1 REPLACEMENT.. 658 TREES TOTAL TREES REQUIRED FOR MITIGATION @ 1:1 REPLACEMENT...................... 658 TREES
TOTAL MITIGATION	TOTAL MITIGATION TREES...................................1,887 TREES 50% 2" TREES...944 TREES (1,888") 50% 1.5" TREES..943 TREES (1,414.5") TOTAL PROVIDED INCHES (@ 25% OF REQUIRED LANDSCAPE) 2" TREES..157 TREES (314") 1.5" TREES...116 TREES (174") TOTAL DEFICIT TREES...1,614 TREES 2" TREES..787 TREES (1,574") 1.5" TREES...827 TREES (1,240.5") TOTAL MITIGATION COST 2,814.5" @ $125.00 PER INCH.....................$351,812.50*

EXISTING TREE HEALTH ASSESSMENT

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	GRADE	LOCATION
37767	17"SG	Liquidambar stryaciflua	Sweetgum	3	North
37769	12"SG	Liquidambar stryaciflua	Sweetgum	3	North
37770	11"SG	Liquidambar stryaciflua	Sweetgum	3	North
37771	26"LAO	Quercus laurifolia	Laurel Oak	2.5	North
37773	20"SG	Liquidambar stryaciflua	Sweetgum	3	North
37775	22"SG	Liquidambar stryaciflua	Sweetgum	3	North
37777	31"LO	Quercus virginiana	Live Oak	3	North
37778	17"LO	Quercus virginiana	Live Oak	3	North
37798	53"LO	Quercus virginiana	Live Oak	3.5	North
37800	11"HIC	Carya glabra	Hickory	2	North
37801	25"LAO	Quercus laurifolia	Laurel Oak	2.5	North
37803	36"LO	Quercus virginiana	Live Oak	3	North
37808	20"LO	Quercus virginiana	Live Oak	2.5	North
37809	15"SG	Liquidambar stryaciflua	Sweetgum	2.5	North
37810	14"SG	Liquidambar stryaciflua	Sweetgum	2.5	North
37811	20"33"LO	Quercus virginiana	Live Oak	2.5	North
37812	23"LO	Quercus virginiana	Live Oak	3	North
37921	48"LO	Quercus virginiana	Live Oak	2.5	North
37935	58"LO	Quercus virginiana	Live Oak	4	North
37947	9"LAO	Quercus laurifolia	Laurel Oak	2	North
37949	39"LO	Quercus virginiana	Live Oak	2	North
37950	37"LO	Quercus virginiana	Live Oak	3	North
37961	27"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38126	14"LAO	Quercus laurifolia	Laurel Oak	3	North
38136	15"LAO	Quercus laurifolia	Laurel Oak	3	North
38138	8"LO	Quercus virginiana	Live Oak	3	North
38139	13"LAO	Quercus laurifolia	Laurel Oak	3	North
38141	16"LAO	Quercus laurifolia	Laurel Oak	3	North
38147	8"LO	Quercus virginiana	Live Oak	2.5	North
38148	8"ASH	Carya glabra	Pignut Hickory	3	North
38149	8"ASH	Carya glabra	Pignut Hickory	3.5	North
38150	12"LAO	Quercus laurifolia	Laurel Oak	3	North
38151	19"LAO	Quercus laurifolia	Laurel Oak	3	North
38152	12"LAO	Quercus laurifolia	Laurel Oak	2	North
38154	9"LAO	Quercus laurifolia	Laurel Oak	2	North
38157	6"5"12"LO	Quercus virginiana	Live Oak	2.5	North
38159	13"LAO	Quercus laurifolia	Laurel Oak	2	North
38160	8"WO	Quercus nigra	Water Oak	3	North
38163	8"LO	Quercus virginiana	Live Oak	3	North
38167	13"LAO	Quercus laurifolia	Laurel Oak	2	North
38169	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38170	6"11"LAO	Quercus laurifolia	Laurel Oak	2	North
38173	10"LAO	Quercus laurifolia	Laurel Oak	2	North
38174	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38178	68"LAO	Quercus laurifolia	Laurel Oak	2	North
38181	29"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38182	32"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38190	11"LAO	Quercus laurifolia	Laurel Oak	3	North
38194	19"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38195	20"LAO	Quercus laurifolia	Laurel Oak	2	North
38197	12"LAO	Quercus laurifolia	Laurel Oak	2	North
38199	8"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38215	17" LAO	Quercus laurifolia	Laurel Oak	3	North
38216	14"LAO	Quercus laurifolia	Laurel Oak	3	North
38223	22"LO	Quercus virginiana	Live Oak	3.5	North
38224	15"LAO	Quercus laurifolia	Laurel Oak	2.5	North
38225	11"12"LO	Quercus virginiana	Live Oak	2.5	North
38231	47"LO	Quercus virginiana	Live Oak	4.5	North
110557	30"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110558	18"LO	Quercus virginiana	Live Oak	2.5	West
110559	22"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110561	16"18"LAO	Quercus laurifolia	Laurel Oak	2	West
110565	13"LO	Quercus virginiana	Live Oak	2	West
110566	16"LAO	Quercus laurifolia	Laurel Oak	2	West
110568	9"LAO	Quercus laurifolia	Laurel Oak	2	West
110569	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110570	12"LAO	Quercus laurifolia	Laurel Oak	2	West
110571	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110572	17" LAO	Quercus laurifolia	Laurel Oak	2	West
110573	8"LO	Quercus virginiana	Live Oak	2	West
110574	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110576	10"LAO	Quercus laurifolia	Laurel Oak	2	West
110578	24"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110580	17" LAO	Quercus laurifolia	Laurel Oak	2	West
110581	12" LAO	Quercus laurifolia	Laurel Oak	2	West
110582	10" LAO	Quercus laurifolia	Laurel Oak	2	West
110583	16"PN	Pinus spp.	Pine	2.5	West
110584	12"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110585	18"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110589	17"LAO	Quercus laurifolia	Laurel Oak	2	West
110590	17"LAO	Quercus laurifolia	Laurel Oak	2	West
110591	27"LAO	Quercus laurifolia	Laurel Oak	2	West
110592	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110594	10"LAO	Quercus laurifolia	Laurel Oak	2	West
110596	12"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110597	20"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110598	19"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110599	28"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110601	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110605	19"LAO	Quercus laurifolia	Laurel Oak	2	West

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	GRADE	LOCATION
110635	25"LAO	Quercus laurifolia	Laurel Oak	2.5	South
110660	8"LAO	Quercus laurifolia	Laurel Oak	2	South
110663	16"LAO	Quercus laurifolia	Laurel Oak	2.5	South
110667	19"PN	Pinus spp.	Pine	2.5	South
110683	14"LAO	Quercus laurifolia	Laurel Oak	2	South
110684	16"LAO	Quercus laurifolia	Laurel Oak	2	South
110722	15"LAO	Quercus laurifolia	Laurel Oak	2	South
110728	23"LAO	Quercus laurifolia	Laurel Oak	2.5	South
110736	11"LAO	Quercus laurifolia	Laurel Oak	2	South
110737	8"LAO	Quercus laurifolia	Laurel Oak	2	South
110738	14"LAO	Quercus laurifolia	Laurel Oak	2	South
110740	18"LAO	Quercus laurifolia	Laurel Oak	2.5	South
110746	15"LAO	Quercus laurifolia	Laurel Oak	2.5	South
110747	8"LAO	Quercus laurifolia	Laurel Oak	2	South
110749	22"LAO	Quercus laurifolia	Laurel Oak	2.5	South
110750	10"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110753	12"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110755	16"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110756	17"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110759	12"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110760	20"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110767	10"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110768	17"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110770	11"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110773	21"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110774	10"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110778	17"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110780	15"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110783	11"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110787	18"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110789	12"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110792	21"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110794	8"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110796	11"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110799	16"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110808	17"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110810	18"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110812	10"LAO	Quercus laurifolia	Laurel Oak	2	Residential
110826	14"LAO	Quercus laurifolia	Laurel Oak	2.5	Residential
110881	13"PN	Pinus spp.	pine	2	West
110888	10"LAO	Quercus laurifolia	Laurel Oak	2	West
110896	14"LAO	Quercus laurifolia	Laurel Oak	2	West
110898	12"LAO	Quercus laurifolia	Laurel Oak	2	West
110902	12"LAO	Quercus laurifolia	Laurel Oak	2	West
110912	10"LAO	Quercus laurifolia	Laurel Oak	2	West
110916	20"LAO	Quercus laurifolia	Laurel Oak	2	West
110931	14"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110936	15"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110937	8"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110938	8"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110943	10"LAO	Quercus laurifolia	Laurel Oak	2	West
110950	18"LAO	Quercus laurifolia	Laurel Oak	2	West
110952	17"LAO	Quercus laurifolia	Laurel Oak	2	West
110955	12"LAO	Quercus laurifolia	Laurel Oak	2	West
110959	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110960	21"LAO	Quercus laurifolia	Laurel Oak	2	West
110961	20"LAO	Quercus laurifolia	Laurel Oak	2	West
110963	23"LAO	Quercus laurifolia	Laurel Oak	2	West
110969	15"LAO	Quercus laurifolia	Laurel Oak	2	West
110972	12"LAO	Quercus laurifolia	Laurel Oak	2	West
110979	20"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110981	17"LAO	Quercus laurifolia	Laurel Oak	2	West
110982	20"LAO	Quercus laurifolia	Laurel Oak	2	West
110986	22"LAO	Quercus laurifolia	Laurel Oak	2	West
110988	11"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110989	13"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110990	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110992	13"LAO	Quercus laurifolia	Laurel Oak	2	West
110993	11"LAO	Quercus laurifolia	Laurel Oak	2	West
110994	13"LAO	Quercus laurifolia	Laurel Oak	2.5	West
110996	14"16"LAO	Quercus laurifolia	Laurel Oak	2	West
110999	11"LAO	Quercus laurifolia	Laurel Oak	2	West
111001	10" LAO	Quercus laurifolia	Laurel Oak	2	West
111002	11"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111004	13"PN	Pinus spp.	Pine	2.5	West
111006	16"LAO	Quercus laurifolia	Laurel Oak	3	West
111008	12"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111009	13"LAO	Quercus laurifolia	Laurel Oak	2	West
111010	9" LAO	Quercus laurifolia	Laurel Oak	2	West
111011	11"LAO	Quercus laurifolia	Laurel Oak	2	West
111015	15"LAO	Quercus laurifolia	Laurel Oak	2	West
111016	12"LAO	Quercus laurifolia	Laurel Oak	2	West
111020	14"LO	Quercus virginiana	Live Oak	2	West
111024	12"LAO	Quercus laurifolia	Laurel Oak	2	West
111028	11"LAO	Quercus laurifolia	Laurel Oak	2	West
111030	14"LAO	Quercus laurifolia	Laurel Oak	2	West
111032	14"LAO	Quercus laurifolia	Laurel Oak	2	West
111034	10"LAO	Quercus laurifolia	Laurel Oak	2	West
111038	17"LAO	Quercus laurifolia	Laurel Oak	3	West
111039	13"LAO	Quercus laurifolia	Laurel Oak	2.5	West

TAG	TAG LABEL	SCIENTIFIC NAME	COMMON NAME	GRADE	LOCATION
111043	11"LAO	Quercus laurifolia	Laurel Oak	2	West
111044	12"LAO	Quercus laurifolia	Laurel Oak	2	West
111054	15"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111055	12"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111056	23"LAO	Quercus laurifolia	Laurel Oak	2	West
111072	18"LAO	Quercus laurifolia	Laurel Oak	3	West
111073	10"LAO	Quercus laurifolia	Laurel Oak	3	West
111074	21"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111122	23"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111123	25"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111125	16"LAO	Quercus laurifolia	Laurel Oak	2	North
111126	19"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111130	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111131	14"LAO	Quercus laurifolia	Laurel Oak	2	North
111133	40"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111136	11"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111137	19"LAO	Quercus laurifolia	Laurel Oak	3	North
111138	15"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111139	13"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111140	13"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111146	16"LAO	Quercus laurifolia	Laurel Oak	2	North
111148	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111155	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111159	15"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111162	17"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111165	19"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111172	17"LAO	Quercus laurifolia	Laurel Oak	2	North
111178	19"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111179	20"LAO	Quercus laurifolia	Laurel Oak	2	West
111181	14"LAO	Quercus laurifolia	Laurel Oak	2.5	West
111192	8"LAO	Quercus laurifolia	Laurel Oak	2	West
111265	18"LAO	Quercus laurifolia	Laurel Oak	2	North
111266	10"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111267	11"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111268	15"LAO	Quercus laurifolia	Laurel Oak	2	North
111275	11"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111276	17"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111281	15"LAO	Quercus laurifolia	Laurel Oak	3	North
111287	10"LAO	Quercus laurifolia	Laurel Oak	2	North
111288	20"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111293	12"LAO	Quercus laurifolia	Laurel Oak	2	North
111294	12"LAO	Quercus laurifolia	Laurel Oak	2	North
111301	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111303	14"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111305	11"LAO	Quercus laurifolia	Laurel Oak	2	North
111308	10"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111309	11"PN	Pinus spp.	Pine	2	North
111310	12"LAO	Quercus laurifolia	Laurel Oak	2	North
111312	10"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111318	18"LAO	Quercus laurifolia	Laurel Oak	3	North
111321	17"LAO	Quercus laurifolia	Laurel Oak	3	North
111322	26"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111323	15"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111324	20"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111325	20"LAO	Quercus laurifolia	Laurel Oak	3	North
111326	13"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111327	13"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111328	13"24"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111330	10"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111331	19"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111333	12"LAO	Quercus laurifolia	Laurel Oak	3	North
111334	18"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111335	13"LAO	Quercus laurifolia	Laurel Oak	2	North
111339	19"LAO	Quercus laurifolia	Laurel Oak	2	North
111342	23"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111343	11"LAO	Quercus laurifolia	Laurel Oak	2	North
111346	21"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111347	18"LAO	Quercus laurifolia	Laurel Oak	3	North
111349	21"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111350	22"LAO	Quercus laurifolia	Laurel Oak	3.5	North
111351	14"LAO	Quercus laurifolia	Laurel Oak	3.5	North
111352	19"LAO	Quercus laurifolia	Laurel Oak	3	North
111354	19"LAO	Quercus laurifolia	Laurel Oak	3.5	North
111355	18"LAO	Quercus laurifolia	Laurel Oak	3.5	North
111358	11"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111359	11"LAO	Quercus laurifolia	Laurel Oak	2	North
111362	10"LAO	Quercus laurifolia	Laurel Oak	2	North
111363	23"LAO	Quercus laurifolia	Laurel Oak	2.5	North
111366	22"LAO	Quercus laurifolia	Laurel Oak	2	North
111368	24"LAO	Quercus laurifolia	Laurel Oak	2	North
111369	18"PN	Pinus spp.	Pine	3	North
112077	21"LO	Quercus virginiana	Live Oak	3	South
112078	28"LO	Quercus virginiana	Live Oak	2.5	South
112085	15"LAO	Quercus laurifolia	Laurel Oak	2.5	South
150261	43"LO	Quercus virginiana	Live Oak	2	South
150479	20"PN	Pinus spp.	Pine	3	South

NOTE:
THE TREES LISTED ABOVE ARE BEING USED TO PARTIALLY FULFILL LANDSCAPE BUFFER REQUIREMENTS IN THE AREAS THEY ARE LOCATED ON A 1:1 BASIS. NO ADDITIONAL CREDITS ARE BEING UTILIZED.

ALL OF THE ABOVE TREES WEE EVALUATED ONSITE TO CONFIRM SPECIES AND REVIEW HEALTH AND CONDITION. ACCORDINGLY, GRADES OF 0–5 HAVE BEEN ASSIGNED TO EACH TREE BASED ON THE ASSESSED CONDITION AT THE TIME OF THE SITE WALK–THROUGH IN APRIL 2024. ANY TREES GRADED AT A 2 OR ABOVE HAVE BEEN DEEMED OF A CONDITION CONSISTENT WITH THE STANDARDS OF CITY OF ALACHUA CODE TO MEET THE 1:1 LANDSCAPE BUFFER REQUIREMENTS. THESE TREES HAD NO OBVIOUS SIGNS OF IMMEDIATE FAILURE, CONTRIBUTE TO THE OVERALL FORESTED CONDITION OF THE BUFFER, AND ARE OF A SPECIES NATIVE TO THIS AREA. ANY TREES GRADED A 1 OR A 0 WERE IN POOR HEALTH, HAD SIGNS OF POTENTIAL FAILURE, AND/OR WERE DEAD. THESE TREES ARE NOT PROPOSED TO COUNT TOWARDS THE BUFFER REQUIREMENTS.

11801 Research Drive
Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA LA0001683
CHW Professional Consultants

SCALE: N/A
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
09/14/2023 - SUBMITTAL TO CITY OF ALACHUA
03/07/2024 - SUBMITTAL TO CITY OF ALACHUA
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: TREE MITIGATION CALCULATIONS

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

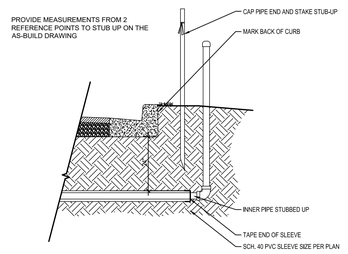
REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-26

Tech: john-michaels Plot Date: May 16,2024 2:42pm Filename: N:\2021\21-0275\Departments\03_Design\02_DWGs\01_Permitting\21-0275 Design Base.dwg

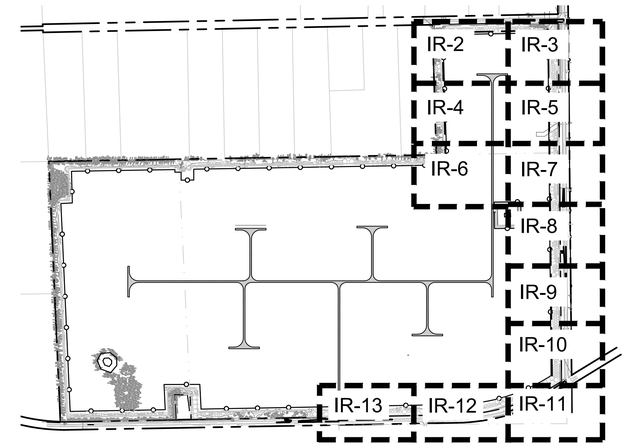
IRRIGATION_SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
W	5" Well with Goulds 85GS 5 hp pump
BF	Zurn 950XL 2" Dual Check Assembly Backflow
C	Hunter A2C-75D-PP Two Wire Controller
S	Hunter Solar Sync Weather Sensor
— — — —	Pipe Mainline: PVC Class 200 3"
= = = = = = = =	Pipe Sleeve: PVC Schedule 40



1 SLEEVING ROUGH-IN DETAIL
SCALE: N.T.S.

SHEET KEY MAP
SCALE: N.T.S.



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SCALE: N/A
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
09/14/2023 - SUBMITTAL TO CITY OF ALACHUA
03/07/2024 - SUBMITTAL TO CITY OF ALACHUA
05/02/2024 - SUBMITTAL TO CITY OF ALACHUA
05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

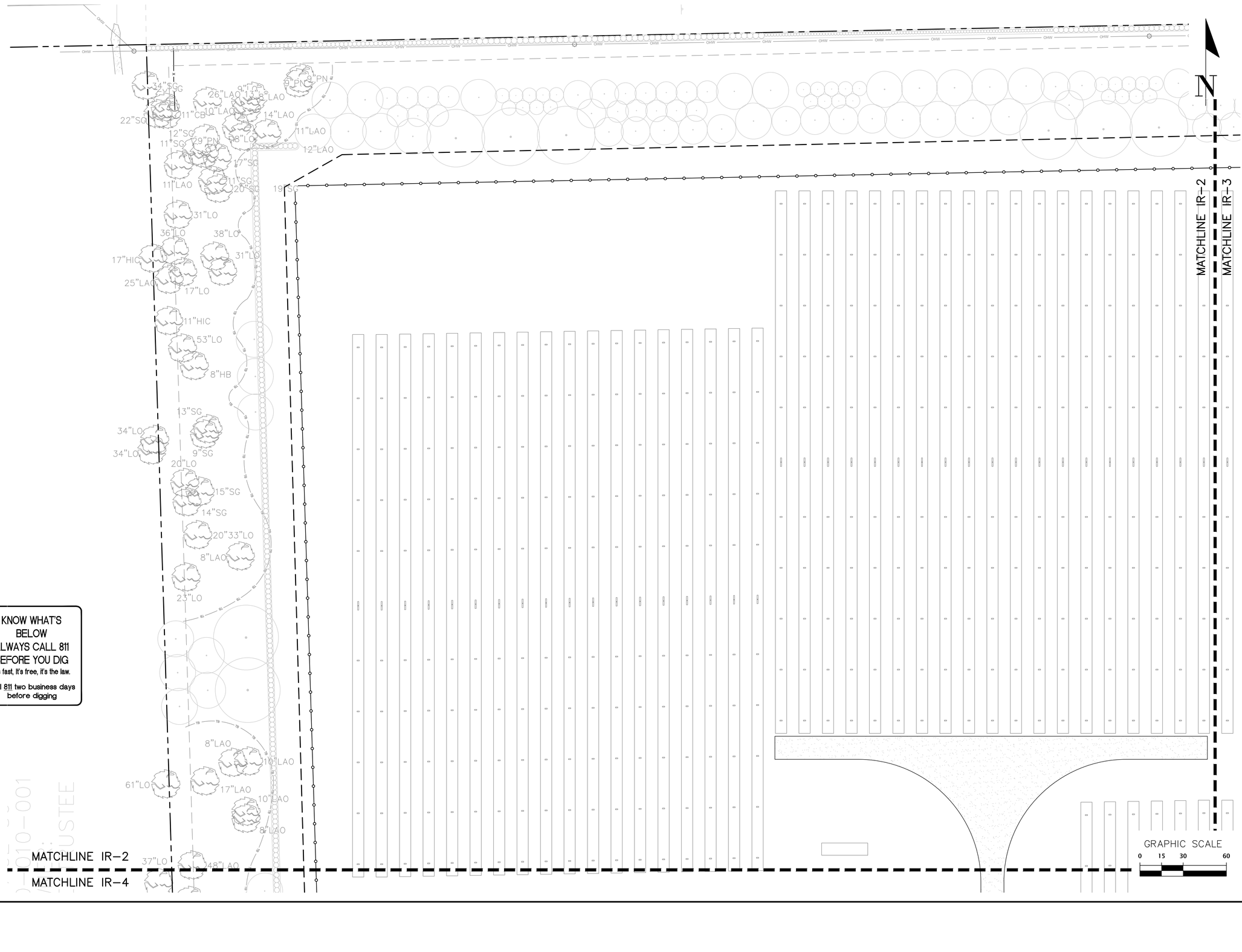
CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: IRRIGATION DETAILS & SCHEDULE

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: IR-1

Tech: john-michaels Plot Date: May 14,2024 5:03pm Filename: N:\2021\21-0275\Departments\03_Design\02_DWGs\01_Permitting\IRRIGATION DETAILS & SCHEDULE.dwg



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05/14/2024 - SUBMITTAL TO CITY OF ALACHUA

CLIENT: PLEASANT SOLAR, LLC

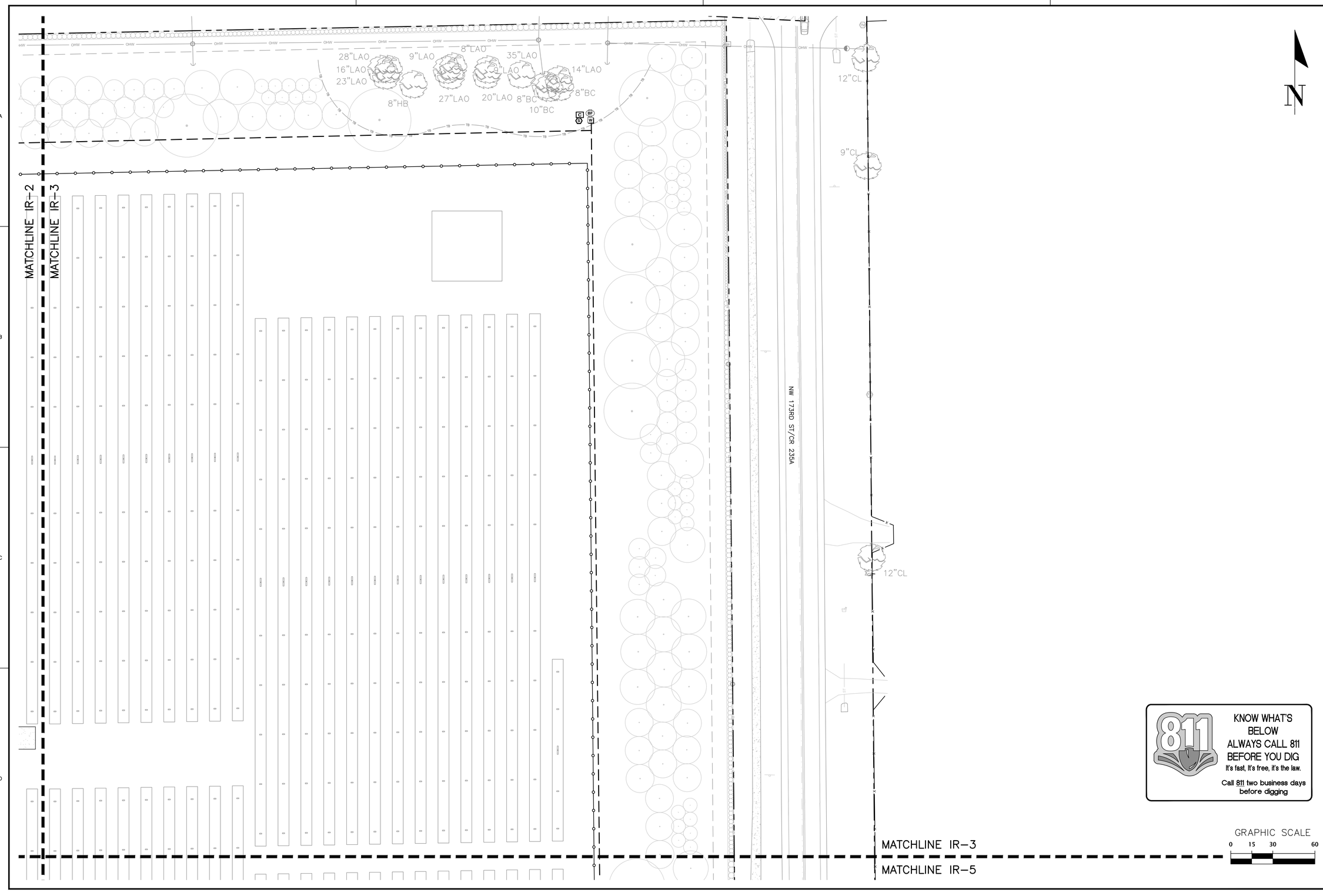
PROJECT: PLEASANT SOLAR

SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: IR-2



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CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: IR-3

MATCHLINE IR-2

MATCHLINE IR-4

LOT 1, HARRINGTON PLACE
PLAT BOOK T, PAGE
PARCEL ID: 03900-001
CURRENT OWNER:
OSWALT LUTHER E

37"LO
48"LAO
37"LO
39"LO
20"BC
9"LAO
43"LO
55"LAO
10"13"CB
27"LAO
27"LAO
48"LO
29"LAO
27"51"LAO
11"CB
8"CB
14"CB
8"CB
11"CB
8"CB
8"CB
58"LO
19"HB
12"CB
11"LO
42"LO
10"CB
51"LAO
8"CB
21"LO

MATCHLINE IR-4

MATCHLINE IR-5

MATCHLINE IR-4

MATCHLINE IR-6

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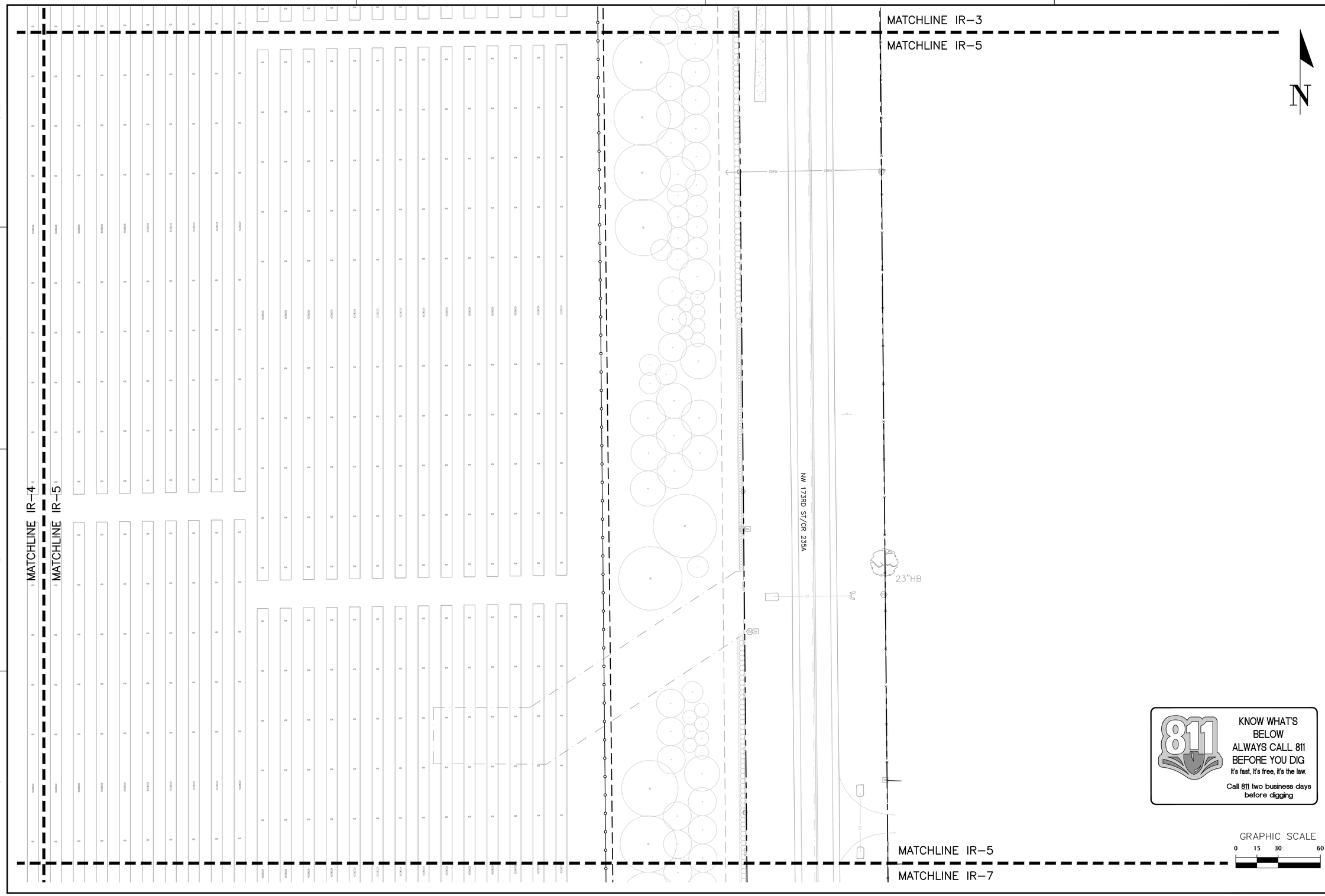
CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JWS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.: IR-4



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CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

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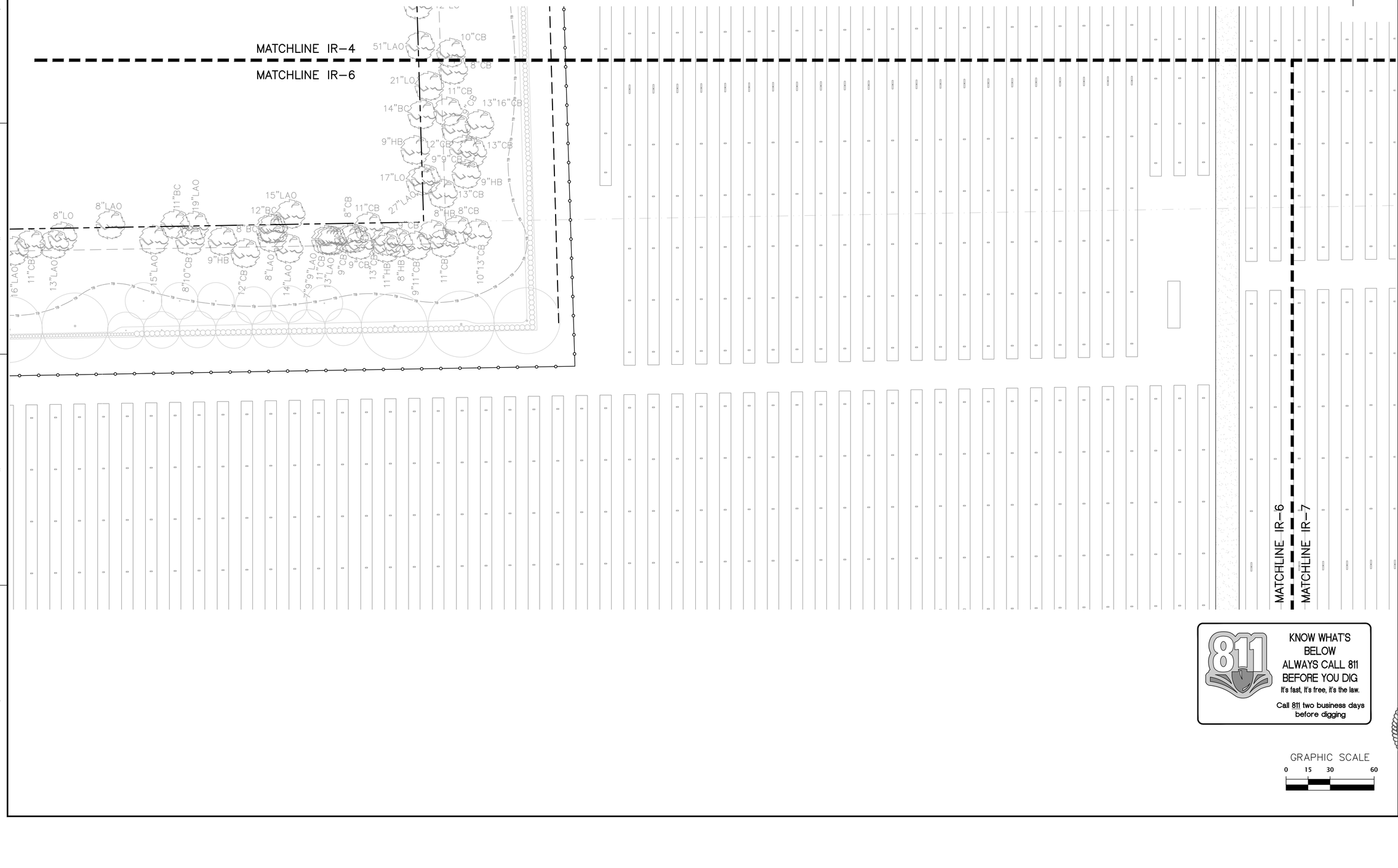

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CLIENT: PLEASANT SOLAR, LLC
PROJECT: PLEASANT SOLAR
SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

SHEET NO.:
IR-6

MATCHLINE IR-5

MATCHLINE IR-7

NW 173RD ST/CR 235A

LIMIT OF CLEAR SIGHT, TYP.

OHW

MATCHLINE IR-7

MATCHLINE IR-8

GRAPHIC SCALE

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CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. KOSARIO
DESIGNER: L. KOSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

SHEET NO.: IR-7

MATCHLINE IR-7

MATCHLINE IR-8

N

100' BUFFER FROM 4' EXISTING CHAIN LINK FENCE FOR GRAVEYARD, TYP.

IETERY

4" SLEEVE

NW 173RD ST/CR 235A

LIMIT OF CLEAR SIGHT, TYP.

MATCHLINE IR-8

MATCHLINE IR-9

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CLIENT: PLEASANT SOLAR, LLC

PROJECT: PLEASANT SOLAR

SHEET TITLE: IRRIGATION PLAN

TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
LA6667436
STATE OF FLORIDA

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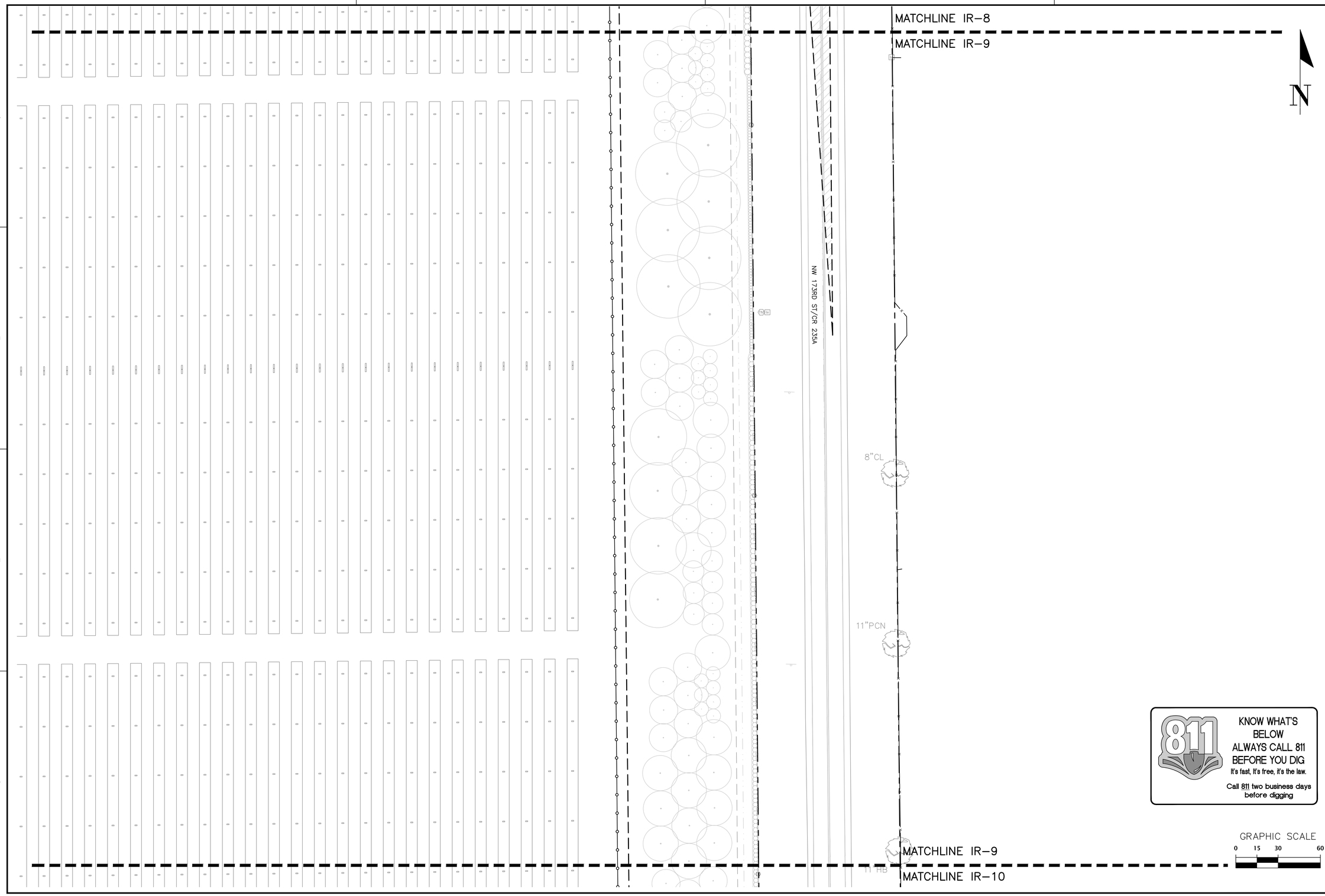

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TECHNICIAN: L. ROSARIO
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QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL SIMPSON
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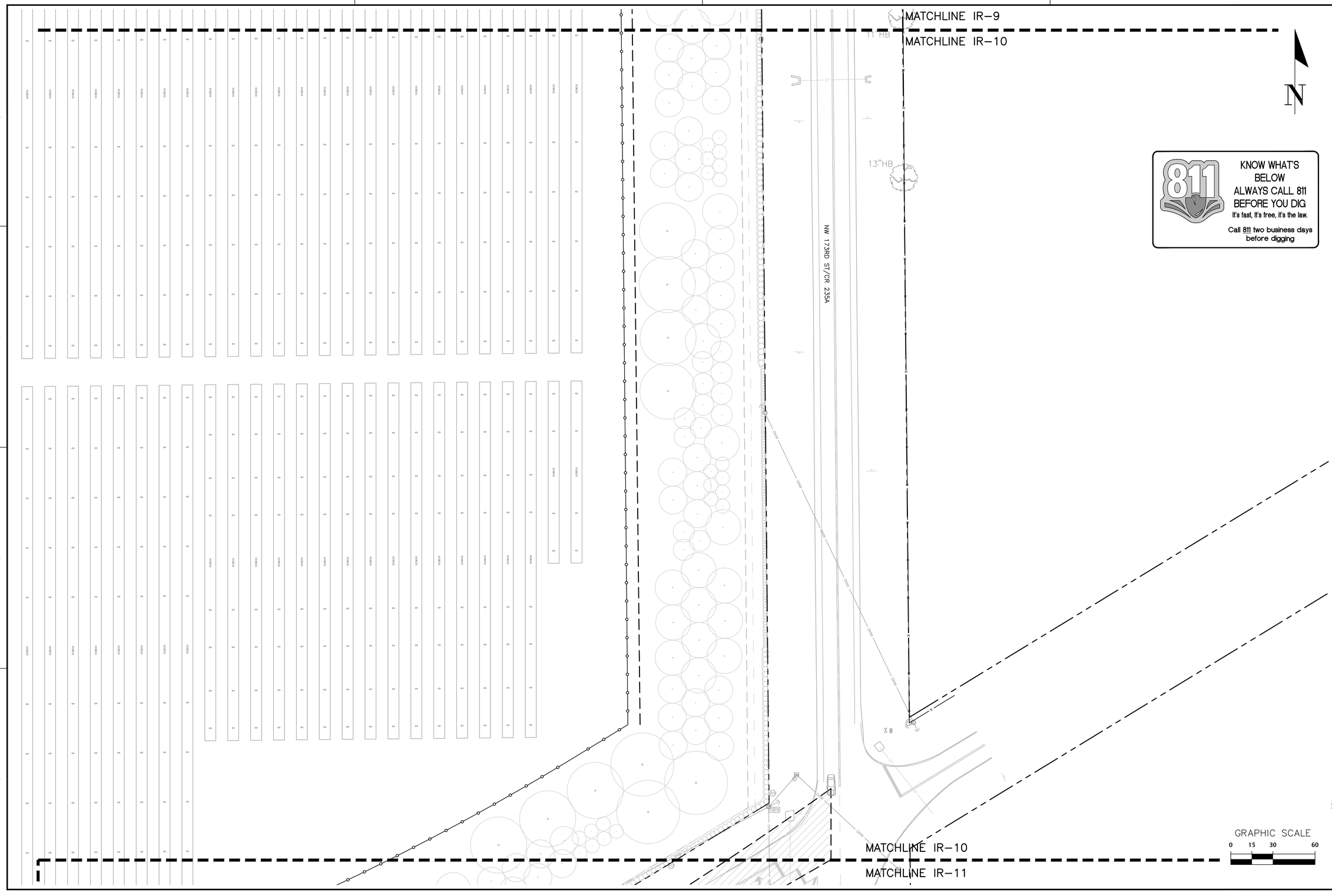

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TECHNICIAN: L. ROSARIO
DESIGNER: L. ROSARIO
QUALITY CONTROL: JMS
PROJECT NUMBER: 21-0275

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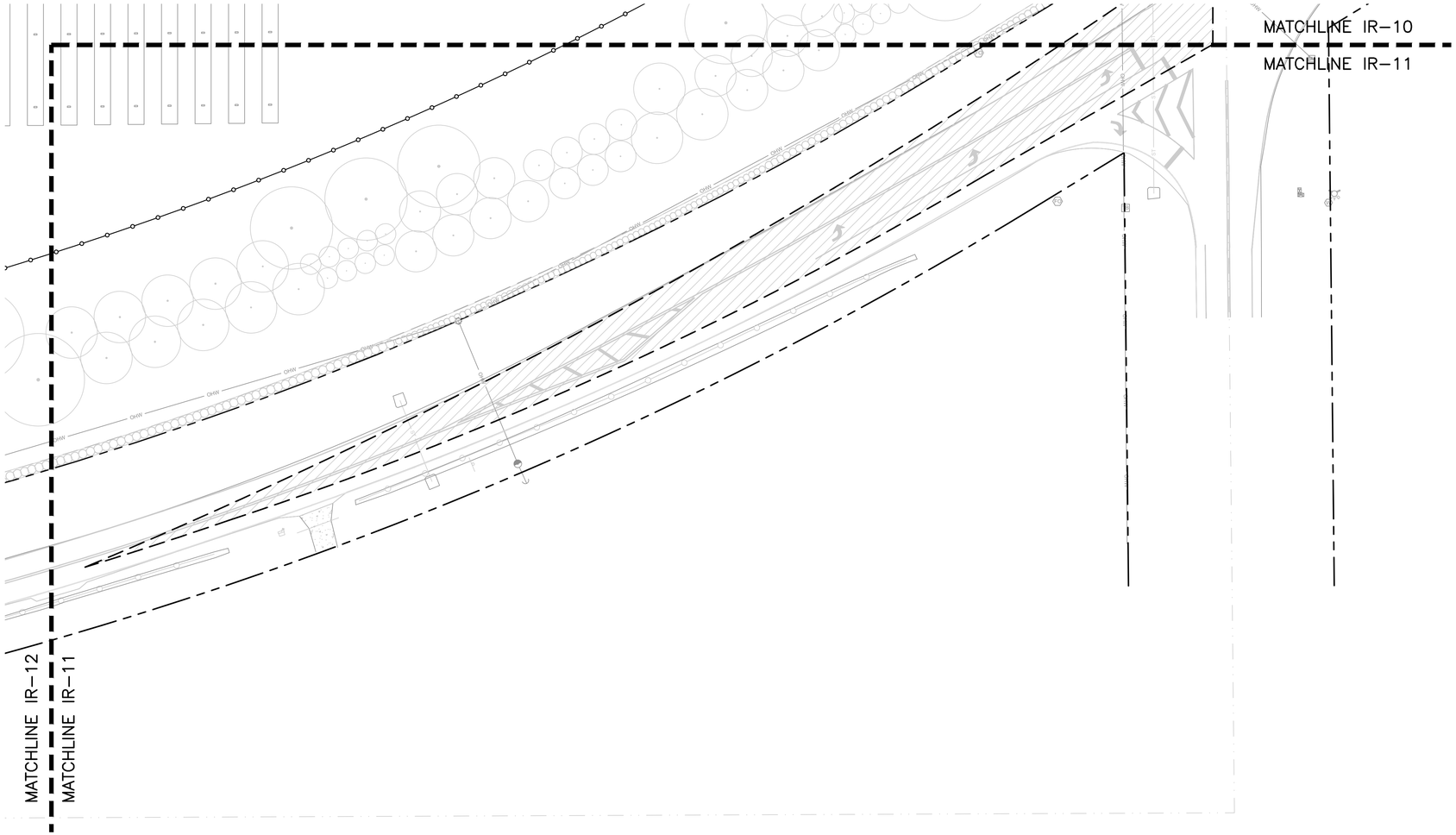
STATE OF FLORIDA

SHEET NO.: IR-10



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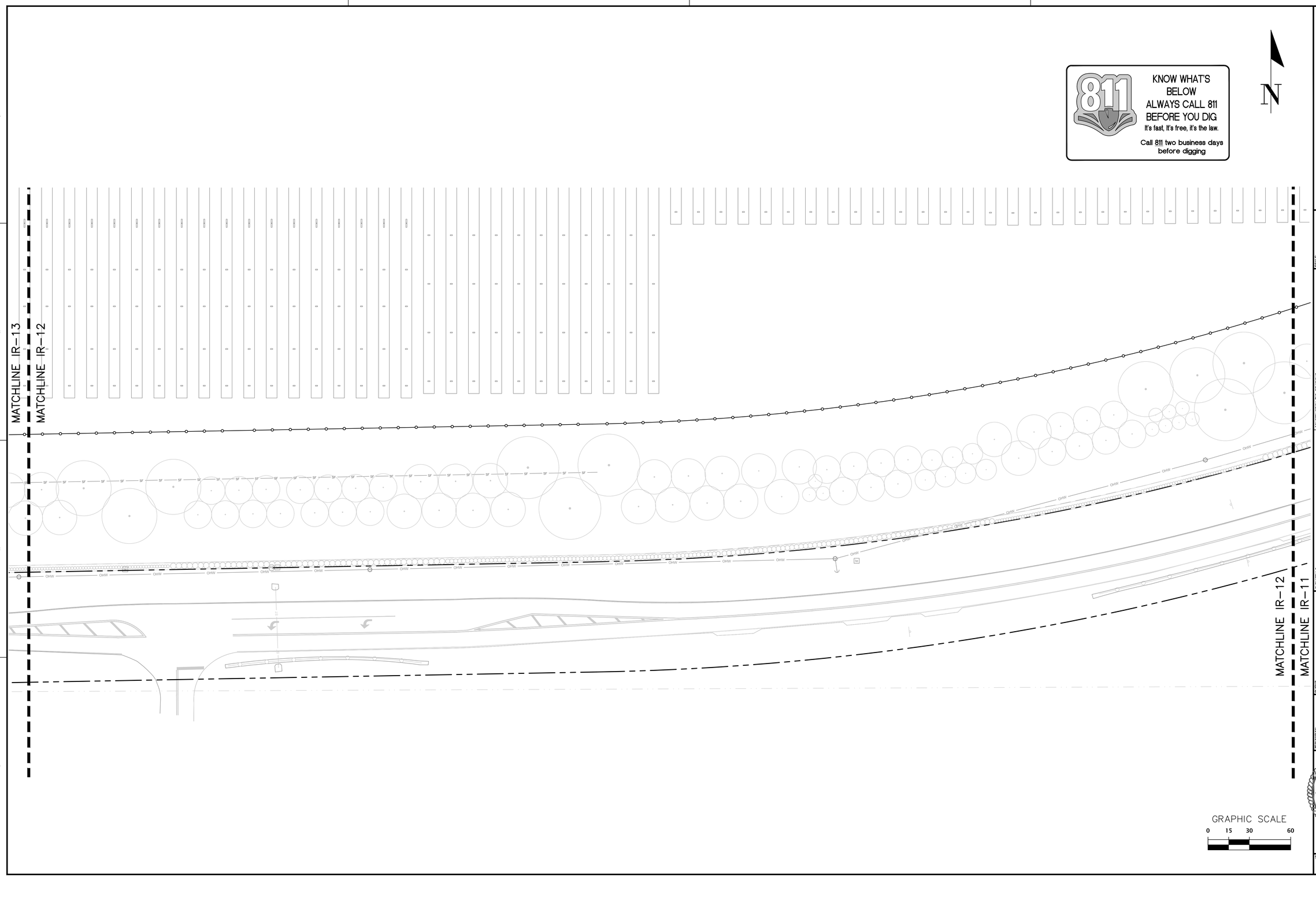

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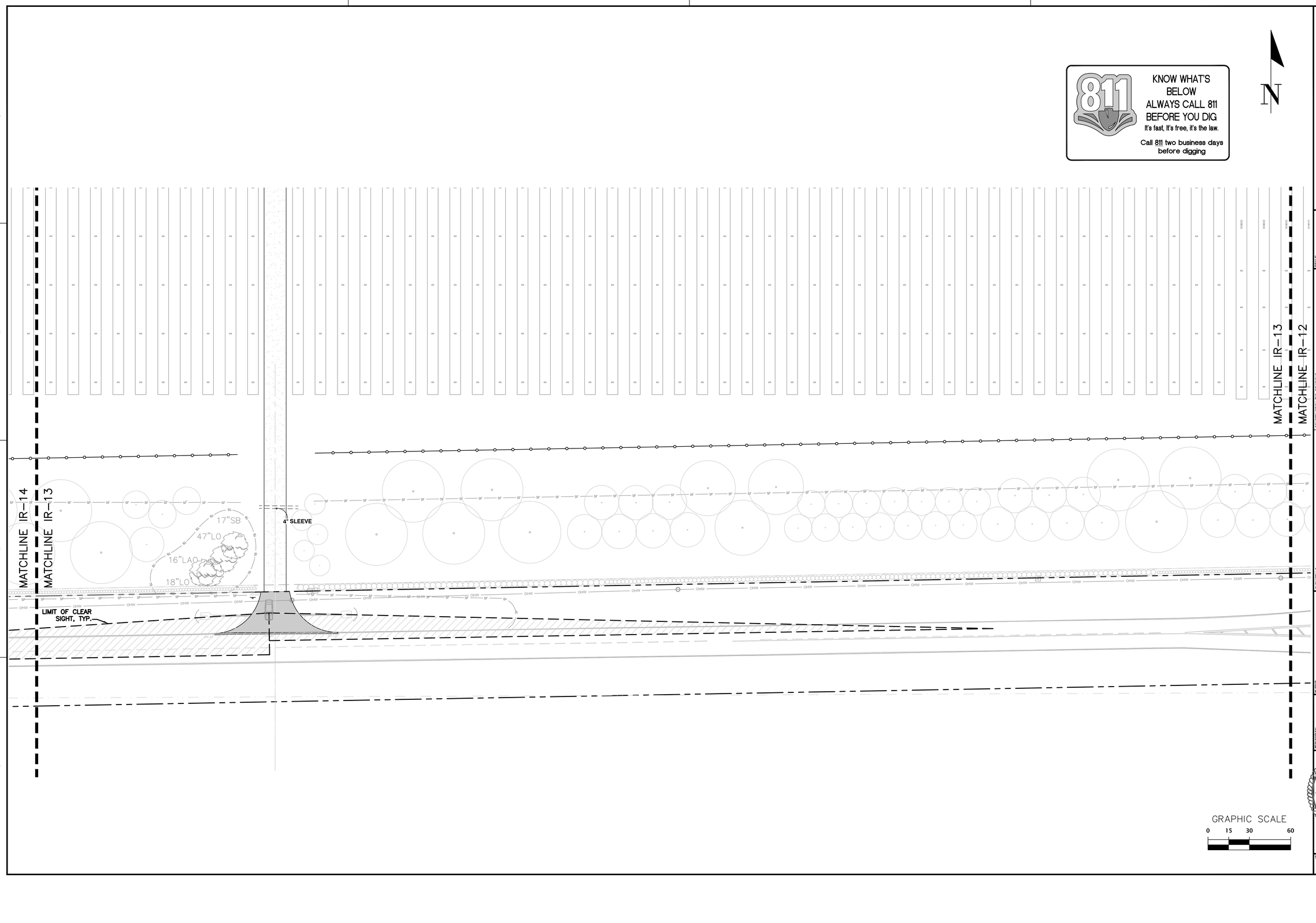

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32615-000909

Planning and Community Development May 30, 2024

City of Alachua

PO Box 9

Alachua, FL 32616

REF: Rezoning Parcels 03894-000-000, 03898-000-000

Dear Sir,

I have discovered that the rezoning of the referenced property to allow a Solar Farm to be located on the 321+ acres located north of Peggy Rd (CR2054) and west of 173rd Street (CR235A).

I am a retired Registered Professional Engineer and spent most of my 54 year career involved in the design and construction of $100-800 million dollar industrial facilities mostly in the United States with a sprinkling of international countries. The Solar Farm industry is a relatively new concept that I was too late to participate in. However, I have extensive experience in this type of development and have been outspoken about shortcomings in the design and creation of these "farms". The biggest oversight is the destruction of potential use of the land below the solar panels. I would highly recommend a requirement that the solar panels be mounted on a structural support system that will provide a **minimum** of 10 feet absolute clearance under the system with support posts placed far enough apart to allow other use for the land beneath the solar panel and support system. Other uses could include a myriad of possibilities...raise livestock, farm crops, this location would allow lease of small individual family owned/leased raised planter flower/crop, county/city park, hiking trails, maybe a city of mini-homes for senior citizens, etc.. the developer will scream at the added cost of additional engineering design, site prep, materials, labor, and other small increases. Some may also comment that shading the land under would not allow growth of anything. I would point to shade tobacco vs. bright tobacco...tobacco grown under a cotton cloth vs. tobacco grown in bright sunlight...practices that dominated southern agriculture for at least a hundred years. Shade tobacco was always higher quality. Newer research is proving that "shade" crops of various types are higher quality. Lastly, if climate change increases surface temperatures, perhaps "shade" farms will be the saving grace to allow us to continue to feed ourselves. The supporting culture could be used to gather and store rain water and be used more efficiently...when needed, where needed instead of allowing it to drain off or evaporate, then suffer when drought conditions occur.

These are general concepts that will add to cost. I would make a wild guess of 20-25%. That is a considerable increase but this complex will be there for generations, perhaps hundreds of years if solar becomes what some believe to be the replacement of the Deerhaven power generation plant. All I ask is that the developer be required to think and plan long term. Think Detroit and the Automotive industry. If

Solar proves to be the panacea many see, this facility, located where it is, will be there for a vey long time, and will be modified and retooled every time new technology proves to be profitable enough. In the not too distant future this facility will be based in the middle of a major residential/commercial area of our city...and it will be there forever. This, based on construction efforts exploding as they are now.

Thank you,



John McCanless PE

11504 NW 136 St.

Alachua, FL 32615

386-462-2005 H

352-339-3480 C

City of Alachua
THE GOOD LIFE COMMUNITY

Board/Committee Agenda Item

MEETING DATE: 6/11/2024
SUBJECT: Special Exception Permit - Tara Forest West Stormwater Facilities: A request by Christopher Potts, P.E., of JBrown Professional Group, Inc., applicant and agent for Tara Forest, LLC, property owner, for consideration of a Special Exception Permit to allow stormwater facilities in a less intense zone district, generally located north of US 441, west of NW 147th Drive, Tara Baywood and Tara Forest East Subdivisions; Consisting of portions of Tax Parcel Number 03067-001-000 and 03008-000-000; FLUM: Recreation; Zoning: Agricultural (A). (Quasi-Judicial Hearing)

PREPARED BY: Adam Hall, AICP, Principal Planner

RECOMMENDED ACTION:
Staff recommends that the Planning & Zoning Board approve the Special Exception Permit to allow stormwater retention and detention facilities on portions of Tax Parcel numbers 03067-001-000 and 03008-000-000, subject to the 10 conditions provided in Exhibit "A" and located on page 14 of the June 11, 2024 Staff Report to the Planning and Zoning Board, upon making the following motion:

Based upon the competent substantial evidence presented at this hearing, the presentation before this Board, and Staff's recommendation, this Board finds the application to be consistent with the City of Alachua Comprehensive Plan and in compliance with the Land Development Regulations and approves the Special Exception Permit to allow stormwater retention and detention facilities on portions of Tax Parcel numbers 03067-001-000 and 03008-000-000, subject to the 10 conditions provided in Exhibit "A" and located on page 14 of the June 11, 2024 Staff Report to the Planning and Zoning Board.

Summary

The proposed Special Exception Permit is a request by Christopher Potts, P.E., of JBrown Professional Group, Inc., applicant and agent for Tara Forest, LLC, property owner, for consideration of a Special Exception Permit to allow stormwater retention and detention facilities on property with less intense zoning for the Tara Forest West subdivision. The Tara Forest West subdivision preliminary plat, which is being considered concurrently with this application, proposes placing stormwater retention and detention facilities associated with the subdivision on property that has a less intense zoning designation than the principal development activity. The 523 single family lots and associated roadways and utilities are proposed to be placed with the RSF-4 (Residential Single Family -4) zone district. The stormwater facilities associated with this development are proposed to be placed on property with an A (Agricultural) zoning designation.

Section 4.3.2 (I)(4) provides use-specific standards for minor utilities, which include stormwater ponds.
"Location. Be located within reasonable proximity of the area to be served. Stormwater detention and retention facilities may

be permitted by special exception permit on properties with less intense zoning district designations under common ownership, subject to the following requirements:(i)The zoning designation of the location of the stormwater detention and retention facility allows minor utilities; and,(ii)The stormwater detention and retention facility meets the compatibility requirements as set forth in Subsection 4.3.2(I)(4)(b); and(iii)The stormwater detention and retention facility provides an enhanced natural (e.g., increased topographic relief, vegetative diversity, etc.) or recreational (e.g., perimeter trail, boardwalk, interpretive kiosk, etc.) functional use". The proposed stormwater ponds are served by recreational amenities that include a

pool, multi-purpose athletic fields, trails, and courts.

Section 2.4.4(A) of the City's LDRs states that uses that require a Special Exception Permit are those which are, "... *generally compatible with the other uses permitted in a zone district, but require individual review of their location, design, configuration, density, intensity, and public facility impact to determine the appropriateness of the use on any particular site in the district and their compatibility with adjacent uses.*" Once a Special Exception is granted, the approval shall run with the land and shall not be affected by a change in ownership, unless specifically conditioned as part of the approval.

This Special Exception Permit application is a companion application to an application for Tara Forest West Preliminary Plat application.

ATTACHMENTS:

Description

- Staff Report and Staff Supporting Materials
- Tara Forest West Stormwater Pond Site Plan
- Application and Supporting Materials
- Public Notice Materials for the 06/11/2024 PZB Hearing

City of Alachua

Planning & Community Development Department

Staff Report

Planning & Zoning Board Hearing Date: June 11, 2024
Quasi-Judicial Hearing **Application: PSE32-0003**

SUBJECT:	A request for a Special Exception Permit to allow stormwater retention and detention facilities on property with less intense zoning designation for the Tara Forest West subdivision
APPLICANT/AGENT:	Christopher Potts, P.E. JBPro, Inc.
PROPERTY OWNER:	Tara Forest, LLC
LOCATION:	Generally, north of US 441, east of I-75, and west of Tara Forest East and Tara Baywood
PARCEL ID NUMBER:	Portions of 03067-001-000 and 03008-000-000
FLUM DESIGNATION:	Recreation
ZONING:	A (Agricultural)
OVERLAY:	N/A
ACREAGE:	±198.39
PROJECT PLANNER:	Adam Hall, AICP
RECOMMENDATION:	Staff recommends that the Planning & Zoning Board approve the Special Exception Permit to allow stormwater retention and detention facilities on portions of Tax Parcel numbers 03067-001-000 and 03008-000-000, subject to the 10 conditions provided in Exhibit "A" and located on page 14 of the June 11, 2024 Staff Report to the Planning and Zoning Board.
RECOMMENDED MOTION:	*Based upon the competent substantial evidence presented at this hearing, the presentation before this Board, and Staff's recommendation, this Board finds the application to be consistent with the City of Alachua Comprehensive Plan and in compliance with the Land Development Regulations and approves the Special Exception Permit to allow stormwater retention and detention facilities on portions of Tax Parcel numbers 03067-001-000 and 03008-000-000, subject to the 10 conditions provided in Exhibit "A" and located on page 14 of the June 11, 2024 Staff Report to the Planning and Zoning Board.*

SUMMARY

The proposed Special Exception Permit is a request by Christopher Potts, P.E., of JBrown Professional Group, Inc., applicant and agent for Tara Forest, LLC, property owner, for consideration of a Special Exception Permit to allow stormwater retention and detention facilities on property with less intense zoning for the Tara Forest West subdivision. The Tara Forest West subdivision preliminary plat, which is being considered concurrently with this application, proposes placing stormwater retention and detention facilities associated with the subdivision on property that has a less intense zoning designation than the principal development activity. The 523 single family lots and associated roadways and utilities are proposed to be placed with the RSF-4 (Residential Single Family -4) zone district. The stormwater facilities associated with this development are proposed to be placed on property with an A (Agricultural) zoning designation.

Section 4.3.2 (I)(4) provides use-specific standards for minor utilities, which include stormwater ponds. "Location. Be located within reasonable proximity of the area to be served. Stormwater detention and retention facilities may be permitted by special exception permit on properties with less intense zoning district designations under common ownership, subject to the following requirements:(i)The zoning designation of the location of the stormwater detention and retention facility allows minor utilities; and,(ii)The stormwater detention and retention facility meets the compatibility requirements as set forth in Subsection 4.3.2(I)(4)(b); and(iii)The stormwater detention and retention facility provides an enhanced natural (e.g., increased topographic relief, vegetative diversity, etc.) or recreational (e.g., perimeter trail, boardwalk, interpretive kiosk, etc.) functional use". The proposed stormwater ponds are served by recreational amenities that include a pool, multi-purpose athletic fields, trails, and courts.

Section 2.4.4(A) of the City's LDRs states that uses that require a Special Exception Permit are those which are, "*...generally compatible with the other uses permitted in a zone district, but require individual review of their location, design, configuration, density, intensity, and public facility impact to determine the appropriateness of the use on any particular site in the district and their compatibility with adjacent uses.*" Once a Special Exception is granted, the approval shall run with the land and shall not be affected by a change in ownership, unless specifically conditioned as part of the approval.

This Special Exception Permit application is a companion application to an application for Tara Forest West Preliminary Plat application.

Illustration 1. Zoning Designations for Tara Forest West Subdivision

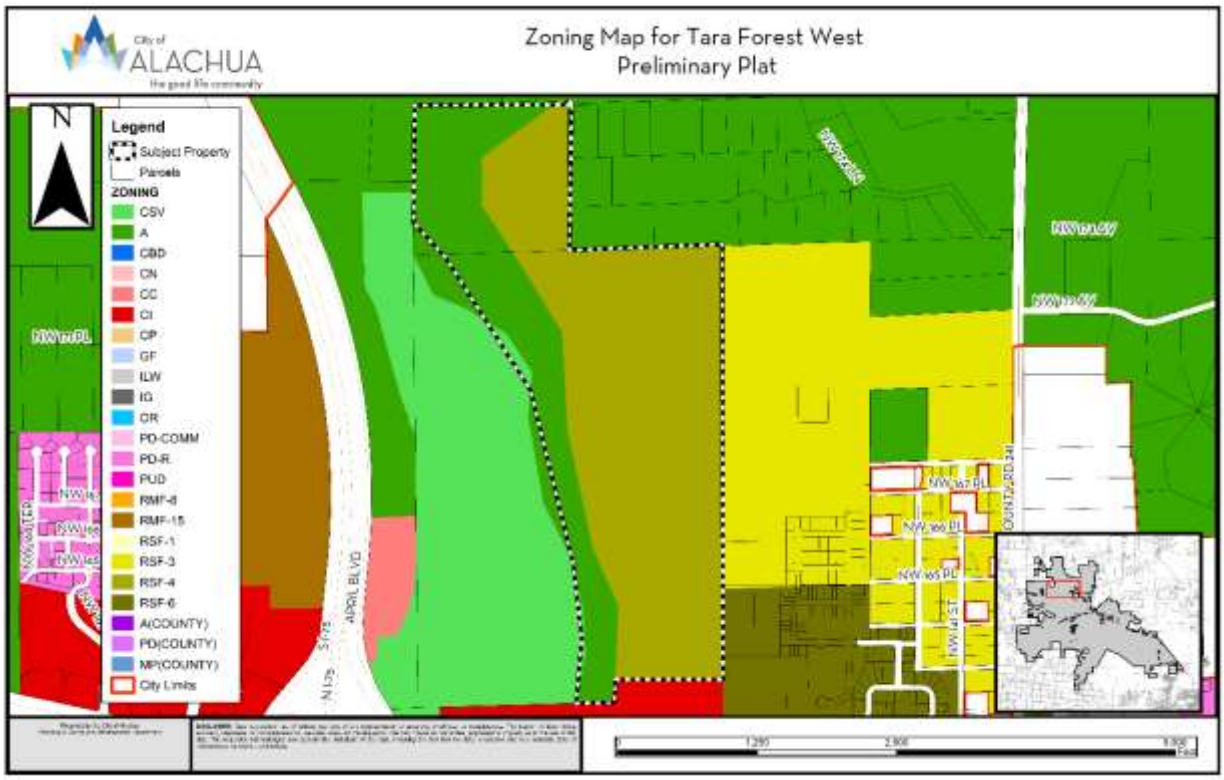
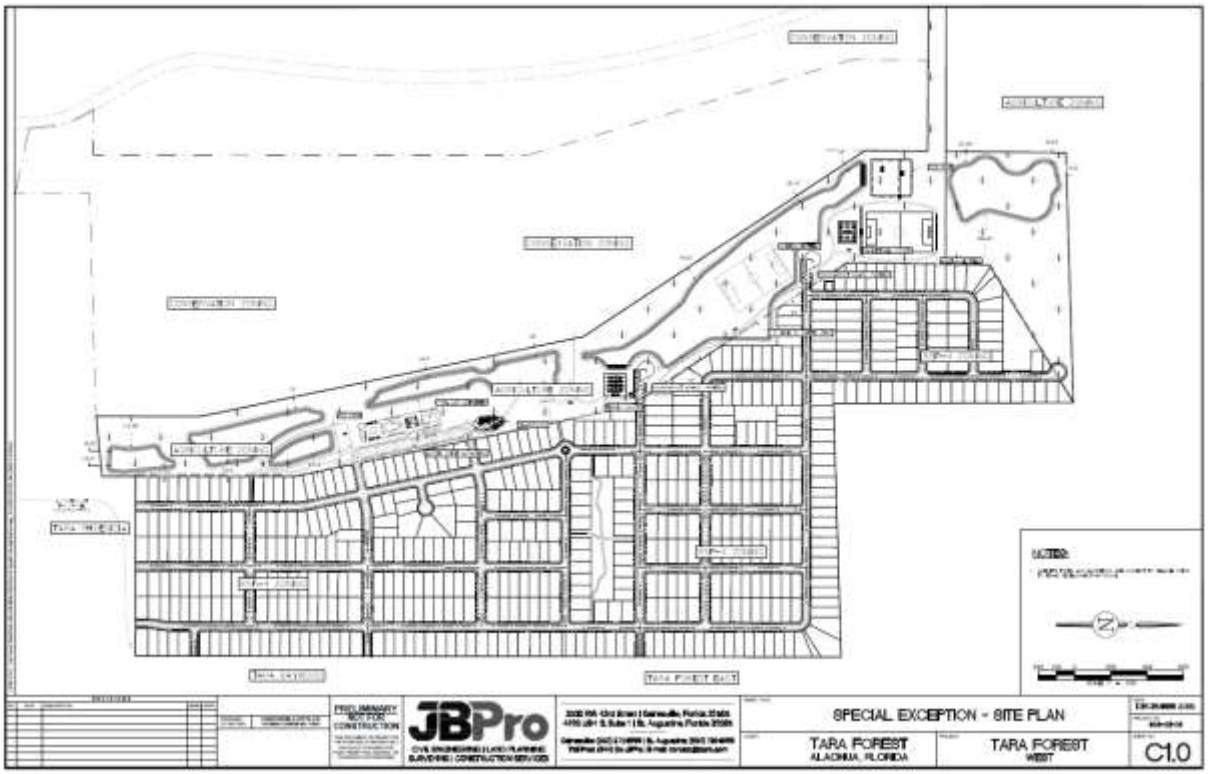


Illustration 1. Tara Forest West Enhanced Recreational Facilities Proposed Site Plan



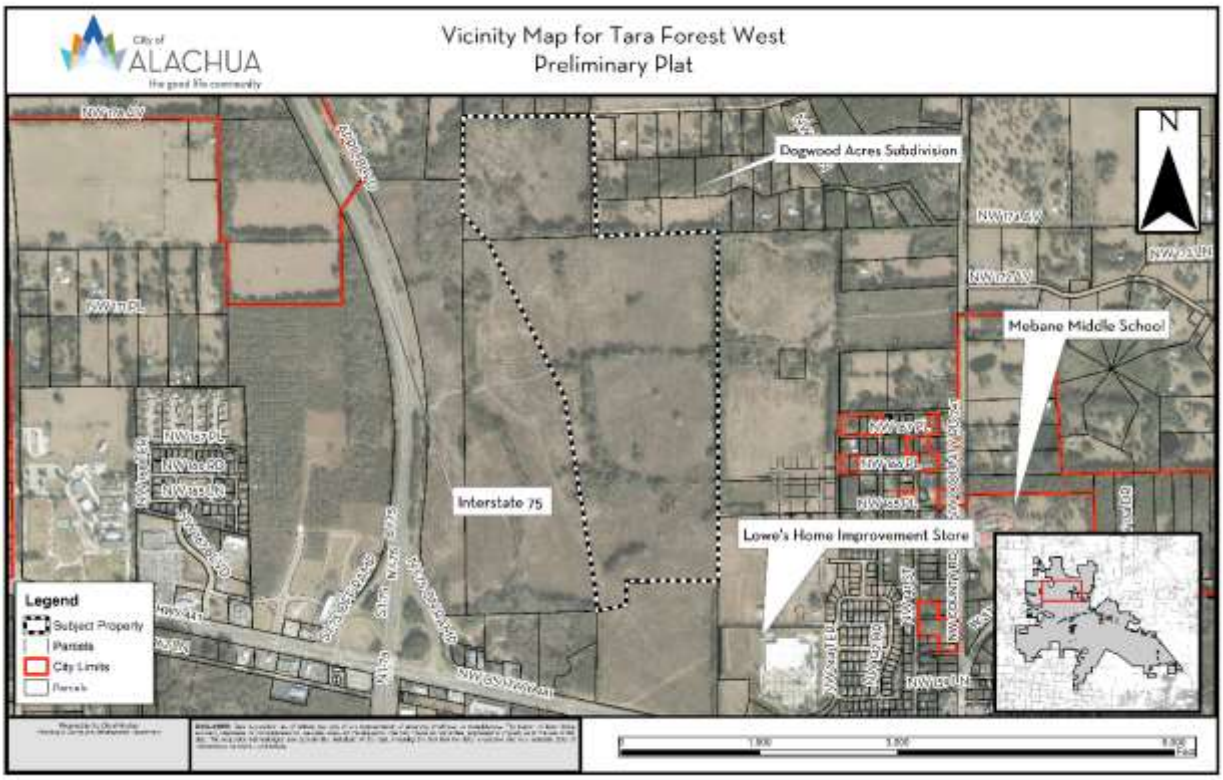
SURROUNDING USES

The existing uses, Future Land Use Map (FLUM) Designations, and zoning districts of the surrounding area are identified in Table 1. Map 1 provides an overview of the vicinity of the subject property. (NOTE: The information below is intended to provide a general overview of the area surrounding the subject property and to generally orient the reader. It is not intended to be all-inclusive, and may not identify all existing uses, FLUM Designations, and/or zoning districts surrounding the subject property.)

Table 1. Surrounding Land Uses

Direction	Existing Use(s)	FLUM Designation(s)	Zoning District(s)
North	Dogwood Acres	Moderate Density Residential	A (Agricultural)
East	Tara Forest East / Tara Baywood	Moderate Density Residential /Medium Density Residential	Residential Single Family – 3 (RSF-3)/ Residential Single Family – 6 (RSF-6)
West	Vacant / Conservation	Conservation	Conservation (CSV)
South	Vacant Commercial	Commercial	Commercial Intensive (CI)

Map 1. Vicinity Map



NEIGHBORHOOD MEETING

The purpose of a Neighborhood Meeting is to educate the owners of nearby land and any other interested members of the public about the project and to receive comments regarding the project. As required by Section 2.2.4 of the LDRs, all property owners within 400 feet of the subject property were notified of the meeting and notice of the meeting was published in a newspaper of general circulation.

A Neighborhood Meeting was held on August 18th, 2021, at the Swick House. The applicant was present and available to answer questions. Materials submitted by the applicant indicate that the meeting was attended by approximately 15 persons. A summary of the discussion which occurred at the Neighborhood Meeting has been provided by the applicant and is included within the application materials.

CONSISTENCY WITH THE COMPREHENSIVE PLAN

The Goals, Objectives, and Policies (GOPs) identified below are provided to establish a basis of the application's consistency with the Comprehensive Plan. There may be additional GOPs which the application is consistent with that are not identified within this report. An evaluation and findings of consistency with the identified GOPs is also provided below.

The property currently has a Future Land Use Map Designation of Moderate Density Residential, which permits up to 4 units per acre and Recreation. The following Comprehensive Plan Elements have Goals, Objectives, and Policies (GOPs) that support the proposed amendment to the Future Land Use Map of the City of Alachua's Comprehensive Plan:

- Future Land Use Element
- Transportation Element
- Housing Element
- Recreation Element
- Community Facilities Natural Groundwater Aquifer Recharge Element
- Conservation and Open Space Element

The applicant has provided an analysis of the proposed amendment's consistency with the Comprehensive Plan. Based upon the applicant's Comprehensive Plan Consistency Analysis and information presented below, staff finds the application consistent with the Comprehensive Plan and the Goals, Objectives, and Policies (GOPs) therein.

Future Land Use Element

Objective 1.7: Recreation

The City shall designate a Recreation land use category for all publicly or privately owned recreational lands. In order to provide the opportunity for recreation activities, and recreational uses may be allowed in any land use category provided such uses are compatible with adjacent land uses and are consistent with this Comprehensive Plan.

Policy 1.7.c: Recreation uses, such as neighborhood parks or commercial recreation, shall be allowed in other land use categories other than the Recreation land use category when compatible with adjacent land uses and land use categories.

Policy 1.7.d: Publicly owned recreation uses shall be limited to an intensity of less than or equal to 0.25 floor area ratio while privately owned recreation uses within this land use category shall be limited to less than or equal to 0.05 floor area ratio.

Analysis of Consistency with Objective 1.7 and Policies 1.7.c and 1.7.d: The subject property has a Future Land Use Designation of Recreation, which allows for recreation uses such as neighborhood parks. The floor area ratio maximum would be .05 FAR, as the proposed recreational features associated with the stormwater facilities are private.

Objective 5.1: Natural features: The City shall coordinate Future Land Use designations with appropriate topography, soils, areas of seasonal flooding, wetlands and habitat during review of proposed amendments to the Future Land Use Map and the development review process. Natural features may be included as amenities within a development project.

Policy 5.1.a: Topography: The City shall protect the natural topography of the City, including steep and seepage slopes, by requiring new development to include techniques to minimize negative impacts on the natural terrain. An emphasis will be placed on retaining the natural function of seepage slopes during development. Additionally, retention of existing native vegetation will be encouraged as one method of protecting slopes.

Policy 5.1.b: Soils: The City shall ensure soil protection and intervention measures are included in the development review process.

Policy 5.1.c: Flood prone areas: The City shall require as part of the development review process the identification of FEMA flood zone areas. Where necessary, base flood elevations and minimum finished floor elevations shall be established. The City shall also require finished floor elevations on subdivision plats, site plans and building permit plans when necessary to determine compliance with flood prone area regulations. The City shall establish standards for a limitation on filling in flood prone areas.

Policy 5.1.d: Wetlands: The City shall utilize statewide wetland delineation methodology in accordance with Florida Administrative Code (FAC) and regulations adopted by the FDEP and the Suwannee River Water Management District.

Policy 5.1.e: Habitat: The City shall require as part of the development review process, an inventory of listed species for all new developments in areas identified as known habitat for listed species if listed species are known to exist in close proximity to the development. The survey shall include detailed information regarding type, quantity, location, and habitat requirements for any listed species identified. A de minimus threshold for

properties required to complete the inventory shall be established in the City's Land Development Regulations.

Analysis of Consistency with Objective 5.1 and Policies 5.1.a – e: The subject property has historically been used agricultural operations such as silviculture. The subject property includes an approximate .64 acre wetland area. Other than gopher tortoises there are no known listed plant or animal species located on the property. If any regulated plant or animal species is identified during development, the applicant must adhere to the applicable standards in the City of Alachua Comprehensive Plan and the Land Development Regulations.

Objective 5.2: Availability of facilities and services: All new development shall be planned and constructed concurrently with the availability of facilities and services necessary for the development.

Analysis of Consistency with Objective 5.2: The proposed preliminary plat has been reviewed for its impacts to all public facilities monitored for concurrency, including parks and education facilities. A complete analysis of these impacts can be found in the "Public Facilities Impact" section of this Report.

GOAL 9: Water and Wastewater Service:

The City will ensure that new development within the corporate limits, where potable water and wastewater service are available, as defined in Policy 1.2.a and Policy 4.2.a of the Community Facilities and Natural Groundwater Aquifer Recharge Element of the Comprehensive Plan, shall connect to the City of Alachua's potable water and wastewater system.

Policy 9.2: Any new residential subdivision within the corporate limits, where potable water service is available, as defined in Policy 4.2.a of the Community Facilities and Natural Groundwater Aquifer Recharge Element of the City of Alachua Comprehensive Plan, regardless of size, that is within either a Residential or Agriculture Future Land Use Map Designation shall connect to the City of Alachua's potable water system. Any new residential subdivision within the corporate limits, where wastewater service is available, as defined in Policy 1.2.a of the Community Facilities and Natural Groundwater Aquifer Recharge Element of the City of Alachua Comprehensive Plan, regardless of size, that is within a Residential Future Land Use Map Designation shall connect to the City of Alachua's wastewater system.

Analysis of Consistency with Goal 9 and Policy 9.2: Potable water is available to the site, as defined in Policy 4.2.a of the Community Facilities and Natural Groundwater Aquifer Recharge Element of the City of Alachua Comprehensive Plan.

Housing Element

Policy 1.1.a: The City shall encourage development of a variety of housing types including conventional single family homes, accessory dwelling units, multi-family units, group homes, assisted living facilities, foster care facilities, mobile homes and manufactured housing, and shall ensure that appropriate land use designations and zoning districts exist to accommodate each type.

Analysis of Consistency with Policy 1.1.a: This project would support additional housing within the City, thereby furthering Policy 1.1.a.

Recreation Element

Policy 1.2.b: The City shall adhere to a minimum level of service of five (5.0) acres of community, neighborhood or pocket park, per 1,000 persons, with a minimum of 20 percent of this in improved, passive parks.

Analysis of Consistency with Policy 1.2.b: An analysis of the impacts to recreation facilities has been provided within this report.

Transportation Element

Objective 1.1: Level of Service: The City shall establish a safe, convenient and efficient level of service standard for all motorized and non-motorized transportation systems.

Analysis of Consistency with Objective 1.1: An analysis of the impacts to transportation facilities has been provided within this report. There are no transportation facilities that would be deficient as a result of this application.

Policy 1.4.b The City shall require any commercial, industrial, or residential development which must obtain site plan or subdivision approval to provide a sidewalk along the frontage of any collector street or arterial street when a sidewalk is not present along the frontage of the street. A sidewalk shall not be required if a sidewalk does not exist within 2,640 feet of the property on the same side of the collector or arterial street.

Analysis of Consistency with Policy 1.4.b: The proposed preliminary plat associated with this special exception shows connections to the proposed Tara Baywood and Tara Forest East projects. There are no collector or arterial streets associated with this plat.

Community Facilities Element

Policy 1.2.a: The City shall establish a Community Wastewater Service Area, which includes all areas where wastewater service is available. Wastewater

service shall be deemed available if:

1. A gravity water main exists within 100 feet of the property line of any lot with a residential land use category or an existing single family residence and wastewater service is accessible through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.
2. Gravity wastewater main exists with 500 feet of the property line of any proposed residential subdivision consisting of 5 units or less and the gravity wastewater system is accessible through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.
3. A gravity wastewater main, wastewater pumping station, or force main exists within 2,640 feet of the property line of any proposed residential subdivision comprised of more than 5 units, or any multi-family residential development, or any commercial development, or any industrial development and the gravity wastewater system, wastewater pumping station, or force main is accessible through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.

Analysis of Consistency with Policy 1.2.a: The subject property is located within the wastewater service area, and any future development on the subject property will be required to connect to a wastewater system. The proposed preliminary plat includes an area for a future lift station.

Policy 2.1.a: The City hereby establishes the following level of service standards for solid waste disposal facilities:

FACILITY TYPE	LEVEL OF SERVICE STANDARD
Solid Waste Landfill	.73 tons per capita per year

Analysis of Consistency with Objective 2.1.a: An analysis of the impacts to solid waste facilities has been provided within this report.

Policy 4.1.b: The City shall establish a Community Potable Water Service Area, which includes all areas where potable water service is available. Water service shall be deemed available if:

1. A water main exists within 100 feet of any lot within a residential land use category or an existing single family residence water service is accessible through public utility easements or right of ways. The distance shall be measured as required for construction of the

infrastructure along public utility easements and right of ways.

2. A water main exists within 500 feet of any proposed residential subdivision consisting of 5 units or less and water service is accessible through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.
3. A water main exists within 2,640 feet of any residential subdivision with more than 5 units, or any multi-family residential development, or any commercial development, or any industrial development and water service is accessible through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.

Analysis of Consistency with Policy 4.1.b: The subject property is located within the potable water service area, and any future development on the subject property will be required to connect to a potable water system.

Conservation and Open Space Element

OBJECTIVE 1.3: Listed Species

The City shall protect species listed by State and Federal agencies as endangered, threatened or of special concern, and their habitats.

Policy 1.3.a: The City shall ensure that its ordinances, regulations and policies protect listed species and their habitats.

Policy 1.3.b: The City shall utilize the development review process, land acquisition programs, environmental regulatory partnerships, stewardship programs and public education to protect listed species and their habitat, and prevent extinction of or reduction in populations of listed species.

Policy 1.3.c: The City shall obtain data from the Florida Fish and Wildlife Conservation Commission, Alachua County Environmental Protection Department, Florida Department of Environmental Protection, to maintain a periodically updated inventory of listed species and habitats located within City limits or immediately adjacent to City limits. The City will use the Florida Natural Areas Inventory as a base inventory.

Policy 1.3.d: The City shall require prior to development approval, an inventory of listed species for all new developments in areas identified as known habitat for listed species. The inventory shall include detailed information regarding type, quantity, location and habitat requirements for any listed species identified. De minimus threshold for properties required to complete the inventory shall be established in the City's Land Development Regulations.

Policy 1.3.e: The City's land use designations shall provide for the protection of threatened and endangered species.

Analysis of Consistency with Objective 1.3 and Policies 1.3.a – e:

An environmental conditions and site suitability analysis has been provided separately in this report. Future development of the site must comply with the environmental protections established in the City of Alachua Comprehensive Plan and Land Development Regulations.

Objective 1.10: Wetlands

The City shall protect and preserve wetland values and functions from adverse, human caused, physical and hydrologic disturbances.

Analysis of Consistency with Objective 1.10:

There is an approximate .64-acre area of wetlands located on the subject property. Wetland separation requirements as outlined in Goals, Objectives, and Policies of the City's Comprehensive Plan have been adhered to. The applicant will be required to meet the applicable requirements of Alachua County as well.

FINDINGS OF FACT: COMPLIANCE WITH LAND DEVELOPMENT REGULATIONS

SECTION 2.4.4(D), SPECIAL EXCEPTION STANDARDS

Section 2.4.4(D) of the City's Land Development Regulations (LDRs) establishes the standards with which all applications for a Special Exception Permit must be found to be compliant. The application has been reviewed for compliance with the standards of Section 2.4.4(D). An evaluation and findings of the application's compliance with the standards of Section 2.4.4(D) is provided below. The applicant has also provided an analysis of the application's compliance with Section 2.4.4(D) in the supporting application materials.

(D) *Special exception standards.* A special exception permit shall be approved only upon a finding the applicant demonstrates all the following standards are met:

(1) *Complies with use specific regulations.* The proposed special exception complies with all relevant standards in Section 4.3, Use specific standards.

Evaluation & Findings: Section 4.3.2 (I)(4) provides use-specific standards for minor utilities, which include stormwater ponds. "Location. Be located within reasonable proximity of the area to be served. Stormwater detention and retention facilities may be permitted by special exception permit on properties with less intense zoning district designations under common ownership, subject to the following requirements:(i)The zoning designation of the location of the stormwater detention and retention facility allows minor utilities; and,(ii)The stormwater detention and retention facility meets the compatibility requirements as set forth in Subsection 4.3.2(I)(4)(b);

and(iii)The stormwater detention and retention facility provides an enhanced natural (e.g., increased topographic relief, vegetative diversity, etc.) or recreational (e.g., perimeter trail, boardwalk, interpretive kiosk, etc.) functional use". The proposed stormwater ponds are served by recreational amenities that include a pool, multi-purpose athletic fields, trails, and courts. These meet the standards for "enhanced recreational functional use".

(2) *Compatibility.* The proposed special exception is appropriate for its location and compatible with the character of surrounding lands and the uses permitted in the zone district.

Evaluation & Findings: Compatibility is defined by the City's Comprehensive Plan as, "*a condition in which land uses or conditions can coexist in relative proximity to each other in a stable fashion over time such that no use or condition is unduly negatively impacted directly or indirectly by another use or condition.*"

When then the Future Land Use Map and Rezoning of the property was adopted by the City Commission, the Staff Report at that time noted that the defense of the Recreation future land use designation and Agriculture zoning designation was to provide for a transition and buffering between the residential uses in the Moderate Density Future Land Use Designation and the natural features in the Conservation Future Land Use Designation.

(3) *Design minimizes adverse impact.* The design of the proposed special exception minimizes adverse effects, including visual impacts of the proposed use on adjacent lands; furthermore, the proposed special exception avoids significant adverse impact on surrounding lands regarding service delivery, parking and loading, odors, noise, glare, and vibration, and does not create a nuisance.

Evaluation & Findings: The proposed stormwater facilities will be adjacent to conservation land use areas and future residential development. The facilities will have limited impacts on adjacent land uses. The applicant states that the proposed stormwater facilities will provide water quality improvements for stormwater runoff before it enters into the Conservation future land use areas.

(4) *Design minimizes environmental impact.* The proposed special exception minimizes environmental impacts and does not cause significant deterioration of light, water and air resources, wildlife habitat, stormwater management, scenic resources, and other natural resources.

Evaluation & Findings: The proposed stormwater facilities will be adjacent to conservation land use areas and future residential development. The facilities will have limited impacts on adjacent land uses. The applicant states that the proposed stormwater facilities will provide water quality improvements for stormwater runoff before it enters into the Conservation future land use areas.

(5) *Roads and other public facilities.* There is adequate public facility capacity available to serve the proposed special exception, and the proposed special exception use is designed to ensure safe ingress and egress onto the site and safe road conditions around the site.

Evaluation & Findings: Proposed facilities will be accessed through public right of way or means of other public access. As needed, proposed facilities will connect to the City's water and wastewater facilities.

(6) *Not injure neighboring land or property values.* The proposed special exception will not substantially injure the use of neighboring land for those uses that are permitted in the zone district, or reduce land values.

Evaluation & Findings: The proposed use is not anticipated to substantially injure neighboring land or property values. The adjacent properties are future residential which will not be in place until after stormwater facilities, conservation lands or commercial lands

(7) *Site plan.* A site plan (Subsection 2.4.9 of this section) has been prepared that demonstrates how the proposed special exception use complies with the other standards of this subsection.

Evaluation & Findings: A Site Plan has been submitted and reviewed concurrently with this Special Exception Permit application. The Site Plan demonstrates that the proposed use complies with the applicable requirements of the LDRs, including the standards of Section 2.4.4(D).

(8) *Complies with all other relevant laws and ordinances.* The proposed special exception use complies with all other relevant City laws and ordinances, State and Federal laws, and regulations.

Evaluation & Findings: The application is found to comply with all other applicable City laws and ordinances, State and Federal laws, and regulations.

EXHIBIT "A"
TO
TARA FOREST WEST STORMWATER FACILITIES
SPECIAL EXCEPTION
STAFF REPORT

CONDITIONS:

1. Prior to the Issuance of a Certificate of Completion of Improvements for Phase 1 of the Tara Forest West subdivision, the swimming pool and associated structures and improvements, including any parking lot, a playground area, trail connection to west property line (adjacent with the project currently known as Tara April) and dog park shall be completed as depicted on the approved special exception site plan for Tara Forest West. The pool shall have a minimum of 1,400 square feet surface area/ 32,000 gallons. The playground area shall consist of at least 7,500 square feet of fenced/useable area. The Plat for Phase 1 shall not be released or recorded until this condition is met.
2. Prior to the Issuance of a Certificate of Completion of Improvements for Phase 4 of the Tara Forest West subdivision a minimum of two sports courts, one multi-use field and any structures and improvements, including any parking lot shall be completed as depicted on the approved special exception site plan. The Plat for Phase 4 shall not be released or recorded until this condition is met.
3. Prior to the Issuance of Completion of Improvements within Phase 6 of the Tara Forest West Preliminary Plat, a minimum of two additional sports courts (total of four for entire recreation area) and associated structures and improvements, including any parking lot, one additional multi-use field (total of two for entire recreation area) and the remainder of the trail system within the recreation area shall be completed as depicted on the approved special exception site plan for Tara Forest West. The Plat for Phase 6 shall not be released or recorded until this condition is met.
4. The 7.5' Type B buffer shall be completed and installed along the boundary between the recreational area and any lots prior to any approval of any improvements within any Phase adjacent to the recreational area.
5. The total floor area of all buildings within the recreational area shall be a maximum of 13,000 square feet.
6. The total impervious surface area allowed within the recreational area shall be 260,000 square feet.
7. These conditions will be incorporated into any subdividers agreement for any final plat, as applicable.
8. Applicant agrees that it must obtain all other local, state and federal permits.
9. The applicant acknowledges and agrees that the applicant and owner will obtain all other applicable local, state, and federal permits before the commencement of site work.
10. The applicant acknowledges and agrees that Conditions 1-9 as stated above do not inordinately burden the land and shall be binding upon the property owners, including any subsequent property owners, successors, or assigns.

EXHIBIT "B"

TO

TARA FOREST WEST
SPECIAL EXCEPTION
STAFF REPORT

SUPPORTING APPLICATION MATERIALS SUBMITTED BY CITY STAFF TO THE PLANNING AND ZONING BOARD

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

May 23, 2024

Also sent by electronic mail to chris.potts@jbpro.com

Chris Potts, P.E.
JBrown Professional Group, LLC
3530 NW 43rd Street
Gainesville, FL 32606

RE: Project Assistance Team (PAT) Comments for Tara Forest West Special Exception

Dear Mr Potts:

On April 15, 2024, the City of Alachua received your revised application for the Special Exception related to Tara Forest West, which proposes to place stormwater management facilities within a zoning district different from the proposed residential uses for the Tara Forest West preliminary plat.

The revised application has been reviewed for compliance with the applicable review standards, including the City's Comprehensive Plan and Land Development Regulations (LDRs). Based upon Staff's review, revisions must be made to the application before it may be scheduled for a public hearing before the City's Planning & Zoning Board (PZB). Please address all insufficiencies outlined below in writing and provide an indication as to how they have been addressed by 12:00 PM on Thursday, May 30, 2024. A total of four (4) copies of the complete application package (i.e., all application materials and attachments) and a CD containing a PDF of all application materials must be provided by this date. Upon receipt of your revised application, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the PZB. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time.

Please address the following insufficiencies (begins on next page):

Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations. **

2. *Use Specific Standards*
    a. Section 4.3.2 (I) (4)(a) requires that the stormwater detention and retention facility provides enhanced natural or recreational functional use. The proposed preliminary plat indicates a variety of proposed recreational amenities, but the site plan submitted with the special exception only shows the stormwater facilities. The site plan and preliminary plat must be the same and indicate the recreational (or enhanced natural) elements that will be provided through provision of the stormwater facilities in that location.

NEW COMMENT: The revised site plan does show the enhanced recreation facilities that meet this section. As a condition of the special exception approval, language must be drafted that would require such improvements to be made. The language below is tentative and subject to change.

1. Prior to the Issuance of a Certificate of Completion of Improvements for Phase 1 of the Tara Forest West subdivision, the swimming pool and associated structures and improvements, including any parking lot, a playground area, trail connection to west property line (adjacent with the project currently known as Tara April) and dog park shall be completed as depicted on the approved special exception site plan for Tara Forest West. The pool shall have a minimum of 1,400 square feet surface area/ 32,000 gallons. The playground area shall consist of at least 7,500 square feet of fenced/useable area.
2. Prior to the Issuance of Completion of Improvements for Phase 4 of the Tara Forest West subdivision a minimum of two sports courts, one multi-use field and any structures and improvements, including any parking lot shall be completed as depicted on the approved special exception site plan.
3. Prior to the Issuance of Completion of Improvements within Phase 6 of the Tara Forest West Preliminary Plat, a minimum of two additional sports courts (total of four for entire recreation area) and associated structures and improvements, including any parking lot, one additional multi-use field (total of two for entire recreation area) and the remainder of the trail system within the recreation area shall be completed as depicted on the approved special exception site plan for Tara Forest West.
4. The 7.5' Type B buffer shall be completed and installed along the boundary between the recreational area and any lots prior to any approval of any improvements within any Phase adjacent to the recreational area.
5. The total floor area of all buildings within the recreational area shall be a maximum of 13,000 square feet.
6. The total impervious allowed within the recreational area shall be 160,000 square feet.
7. Construction of the amenities and amenity structures may begin prior to the approval of a final plat upon the provision of a surety device in the amount of 120% of the cost of construction of the amenity or amenity structure. No final inspection for any amenity structure requiring a building permit shall be scheduled until the Certificate of Completion of Improvements for the Phase has been issued.
8. These conditions will be incorporated into any subdividers agreement for any final plat, as applicable.
9. Applicant agrees that it must obtain all other local, state and federal permits.

NEW COMMENT: The trail connection to the west property line must be depicted in the site plan. Further, the site plan for the special exception must include the phasing lines.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1603 or via e-mail at ahall@cityofalachua.com. We look forward to receiving your revised application.

Sincerely,

Adam Hall, AICP
Principal Planner
cc: Kathy Winburn, Planning & Community Development Director
Justin Tabor, AICP, Principal Planner
Carson Crockett, Planner
Project File

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

June 28, 2023

Also sent by electronic mail to chris.potts@jbpro.com

Chris Potts, P.E.
JBrown Professional Group, LLC
3530 NW 43rd Street
Gainesville, FL 32606

RE: Project Assistance Team (PAT) Comments for Tara Forest West Special Exception

Dear Mr Potts:

On April 26, 2023, the City of Alachua received your revised application for the Special Exception related to Tara Forest West, which proposes to place stormwater management facilities within a zoning district different from the proposed residential uses for the Tara Forest West preliminary plat.

The revised application has been reviewed for compliance with the applicable review standards, including the City's Comprehensive Plan and Land Development Regulations (LDRs). Based upon Staff's review, revisions must be made to the application before it may be scheduled for a public hearing before the City's Planning & Zoning Board (PZB). Please address all insufficiencies outlined below in writing and provide an indication as to how they have been addressed by 4:00 PM on Thursday, July 13, 2023. A total of four (4) copies of the complete application package (i.e., all application materials and attachments) and a CD containing a PDF of all application materials must be provided by this date. Upon receipt of your revised application, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the PZB. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time. Additionally, please note that the related Preliminary Plat requires connection to US 441 and staff does not anticipate forwarding the preliminary plat application or this special exception application to the Planning and Zoning Board until such time as the Tara Phoenicia Infrastructure Plan is forwarded to the City Commission.

Please address the following insufficiencies (begins on next page):

Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations. **

2. *Use Specific Standards*
    a. Section 4.3.2 (I) (4)(a) requires that the stormwater detention and retention facility provides enhanced natural or recreational functional use. The proposed preliminary plat indicates a variety of proposed recreational amenities, but the site plan submitted with the special exception only shows the stormwater facilities. The site plan and preliminary plat must be the same and indicate the recreational (or enhanced natural) elements that will be provided through provision of the stormwater facilities in that location.

NEW COMMENT: The revised site plan does show the enhanced recreation facilities that meet this section. As a condition of the special exception approval, language must be drafted that would require such improvements to be made. The language below is tentative and subject to change.

- **Prior to the application for any building permit within Phase 3 of the Tara Forest West Preliminary Plat, the pool and associated structures and improvements, including any parking lot, shall be completed as depicted on the approved special exception site plan for Tara Forest West. The pool shall be a minimum of 1,400 square feet surface area/ 32,000 gallons.**
- **Prior to the application for any building permit within Phase 4 of the Tara Forest West Preliminary Plat, a playground area of at least 7,500 fenced/ usable area shall be completed as depicted on the approved special exception site plan for Tara Forest West.**
- **Prior to the application for any building permit within Phase 5 of the Tara Forest West Preliminary Plat, a minimum of two tennis courts and associated structures and improvements, including any parking lot, shall be completed as depicted on the approved special exception site plan for Tara Forest West.**
- **Prior to the application for of any building permit within Phase 6 of the Tara Forest West Preliminary Plat, a minimum of two basketball courts and two multi-use fields and any associated structures and improvements, including any parking lot, shall be completed as depicted on the approved special exception site plan for Tara Forest West. The trail as depicted on the approved special exception site plan for Tara Forest West shall also be completed prior to any issuance of building permit within Phase 6 of the Tara Forest West Preliminary Plat.**
- **The 7.5' Type B buffer shall be completed and installed along the boundary between the recreational area and any lots prior to any approval of any improvements within any Phase adjacent to the recreational area.**
- **The total floor area of all buildings within the recreational area shall be 13,000 square feet.**
- **The total impervious allowed within the recreational area shall be 160,000 square feet.**
- **These conditions will be incorporated into any subdividers agreement for any final plat, as applicable.**

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1603 or via e-mail at ahall@cityofalachua.com. We look forward to receiving your revised application.

Sincerely,

Adam Hall, AICP
Principal Planner

cc: Kathy Winburn, Planning & Community Development Director
Justin Tabor, AICP, Principal Planner
Carson Crockett, Planner
Project File

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

November 14, 2022

Also sent by electronic mail to chris.potts@jbpro.com

Chris Potts, P.E.
JBrown Professional Group, LLC
3530 NW 43rd Street
Gainesville, FL 32606

RE: Project Assistance Team (PAT) Comments for Tara Forest West Special Exception

Dear Mr Potts:

On June 8, 2022, the City of Alachua received your revised application for the Special Exception related to Tara Forest West, which proposes to place stormwater management facilities within a zoning district different from the proposed residential uses for the Tara Forest West preliminary plat.

The revised application has been reviewed for compliance with the applicable review standards, including the City's Comprehensive Plan and Land Development Regulations (LDRs). Based upon Staff's review, revisions must be made to the application before it may be scheduled for a public hearing before the City's Planning & Zoning Board (PZB). Please address all insufficiencies outlined below in writing and provide an indication as to how they have been addressed by 4:00 PM on Thursday, December 1, 2022. A total of four (4) copies of the complete application package (i.e., all application materials and attachments) and a CD containing a PDF of all application materials must be provided by this date. Upon receipt of your revised application, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the PZB. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time.

Please address the following insufficiencies (begins on next page):

Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations. **

1. *Special Exception Standards*
    a. Section 2.4.4 (D)(7) requires that a site plan or preliminary plat to be submitted that demonstrates compliance with Section 2.4.4. Section 2.4.4 (D)(1) requires that the proposed special exception complies with the relevant use specific standards. Please see comment 2.a. below.
    b. The provided response found within the Statement and Analysis of Compliance for the Special Exception for Section 2.4.4 (D)(1) states that the stormwater facilities will be located within lands zoned Conservation (CSV) and Agricultural (A). Please verify. Minor Utilities are not permitted within lands zoned Conservation (CSV).
    c. The provided response found within the Statement and Analysis of Compliance for the Special Exception for Section 2.4.4 (D)(1) does not explicitly address compliance with Section 4.3.2 (I)(4)(a)(iii). Please see comment 2.a below.
    d. The provided response found within the Statement and Analysis of Compliance for the Special Exception for Section 2.4.4 (D)(2) states that the facilities are compatible with recreation zoned lands. This must be clarified. There do not appear to be any recreation zoned lands adjacent to location of stormwater ponds. The ponds are being placed on lands with the Recreation Future Land Use, but the lands adjacent to the west are zoned Conservation (CSV). Please provide further analysis of compatibility with CSV zoning district.
    e. The provided response found within the Statement and Analysis of Compliance for the Special Exception for Section 2.4.4 (D)(3) states that the project will improve quality of water reaching the conservation land. Please provide additional analysis or data to support this statement. Are there sources upstream currently existing that are degrading the quality of water reaching the conservation land?
    f. The provided response found within the Statement and Analysis of Compliance for the Special Exception for Section 2.4.4 (D)(4) states that the project will improve quality of water reaching the conservation land. Please provide additional analysis or data to support this statement. Are there sources upstream currently existing that are degrading the quality of water reaching the conservation land?
    g. The provided response found within the Statement and Analysis of Compliance for the Special Exception for Section 2.4.4 (D)(5) states that the project will not require road or other public facilities. If recreation facilities are being proposed, then site plan/preliminary plat will be required to show how they will be accessed, configuration of parking, and maintenance access considerations.
    h. The provided response found within the Statement and Analysis of Compliance for the Special Exception for Section 2.4.4 (D)(8) must address compliance with Section 6.2.2 (D)(3)(c). Please see comment 3.a below.

2. *Use Specific Standards*
    a. Section 4.3.2 (I) (4)(a) requires that the stormwater detention and retention facility provides enhanced natural or recreational functional use. The proposed preliminary plat indicates a variety of proposed recreational amenities, but the site plan submitted with the special exception only shows the stormwater facilities. The site plan and preliminary plat must be the same and indicate the recreational (or enhanced natural) elements that will be provided through provision of the stormwater facilities in that location.

3. All Other Relevant Laws and Ordinances
    a. Section 6.2.2 (D)(3)(c) requires a 7.5' Type B buffer between single family detached uses and Parks and Open Areas. The Conservation (CSV) zoned lands are considered open areas. The proposed site plan/preliminary plat should indicate this buffer. Existing trees may be used to meet the requirement, where possible.
4. Miscellaneous/ General Comments
    a. Provided site plan indicates that the proposed stormwater facilities are located on "Recreation Zoning". This must be revised. The City of Alachua does not have a Recreation zoning district. The stormwater ponds appear to be located on lands zoned Agricultural (A). Please verify.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1603 or via e-mail at ahall@cityofalachua.com. We look forward to receiving your revised application.

Sincerely,

Adam Hall, AICP
Principal Planner

cc: Kathy Winburn, AICP, Planning & Community Development Director
Justin Tabor, AICP, Principal Planner
Project File

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

February 2, 2022

Also sent by electronic mail to chris.potts@jbpro.com

Christopher Potts, P.E.
JBrown Professional Group, LLC
3530 NW 43rd Street
Gainesville, FL 32606

RE: Completeness Review of Tara Forest West Special Exception Permit for Stormwater Pond located on properties with less intense zoning district designation

Dear Mr Potts:

On January 27, 2022, the City of Alachua received your application for the Special Exception to permit stormwater ponds related to the Tara Forest West residential subdivision, as permitted under Section 4.3.2 (I)(4).

According to Section 2.2.6 of the Land Development Regulations (LDRs), upon receipt of an application, a completeness review shall be conducted to determine that the application contains all the necessary information and materials, is in proper form and of sufficient detail, and is accompanied by the appropriate fee. The Planning Department has reviewed the aforementioned application for completeness and finds that the application is incomplete.

The comments below are based solely on a preliminary review of your application for completeness. An in-depth review of the content of the application will be performed, and the findings of the in-depth review will be discussed at a Project Assistance Team (PAT) Meeting, which will be scheduled after the application is determined to be complete.

In order to provide a complete application, you must address the following:

1. **Special Exception Application, Response D.2, Analysis of Compliance with Special Exception Standards:**
   Submitted materials do not explicitly address each of the Special Exception standards identified on the application materials and items D.2.a through h, of the Special Exception Permit application.
2. **Special Exception Application, Response D.5, Neighborhood Meeting Materials:**
   Submitted materials appear to be for preliminary plat for Tara Forest West and not for the Special Exception Permit. Please provide materials for the neighborhood meeting materials as required by Section 2.2.4 of the City's Land Development Regulations (LDRs).
3. **Special Exception Application, Response D.10, Fee:**
   Special Exception Application fee does not appear to have been submitted. Please submit fee.

Per Section 2.2.6 (B), failure to address the deficiencies noted above within 45 calendar days will result in administrative withdrawal of the application. Three hard copies of submitted application are available for retrieval from the Building Department at City Hall. If you have any questions regarding the information above, please contact me at 386-418-6100 x 1603 or via e-mail at ahall@cityofalachua.com.

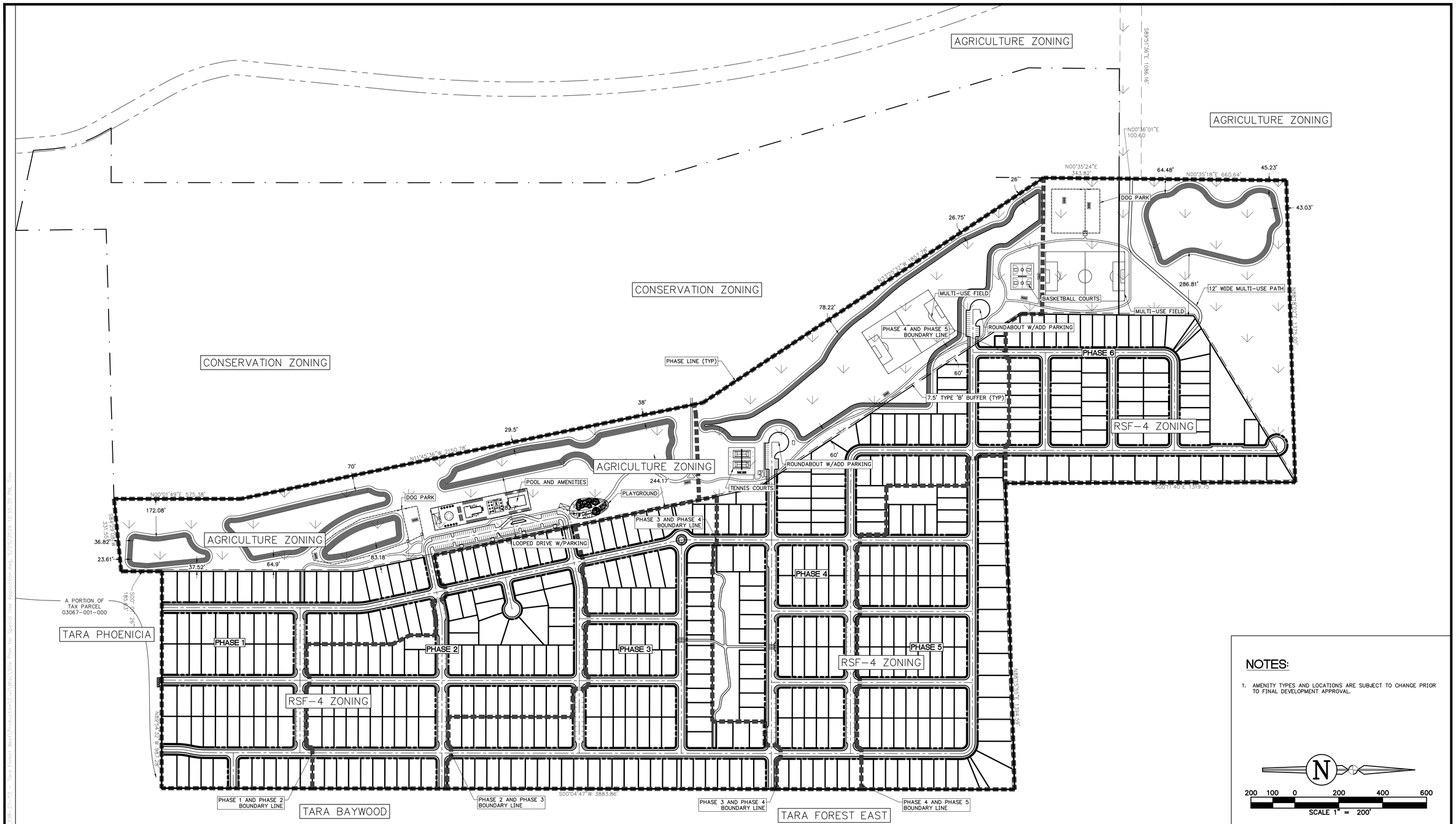
Sincerely,



Adam Hall, AICP
Principal Planner

c:

Kathy Winburn, AICP, Planning & Community Development Director *(by electronic mail)*
Justin Tabor, AICP, Principal Planner *(by electronic mail)*
Project File



NOTES:

1. AMENITY TYPES AND LOCATIONS ARE SUBJECT TO CHANGE PRIOR TO FINAL DEVELOPMENT APPROVAL.

N

200 100 0 200 400 600

SCALE 1" = 200'

REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: **CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842**

PRELIMINARY NOT FOR CONSTRUCTION

THIS DOCUMENT IS ISSUED FOR THE PURPOSE OF REVIEW ONLY AND IS NOT INTENDED FOR FINAL PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES.

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SURVEYING | CONSTRUCTION SERVICES

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4420 US-1 S, Suite 1 | St. Augustine, Florida 32086

Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE: SPECIAL EXCEPTION - SITE PLAN

DATE: MAY 2024

PROJECT NO: 398-21-03

CLIENT: TARA FOREST
ALACHUA, FLORIDA

PROJECT: TARA FOREST
WEST

SHEET NO: 1.0

City of ALACHUA

THE GOOD LIFE COMMUNITY

FOR PLANNING USE ONLY
Case #: _____
Application Fee: $_____
Filing Date: _____
Acceptance Date: _____
Review Type: P&Z; CC

Special Exception Permit Application

Reference City of Alachua Land Development Regulations Article 2.4.4

A. PROJECT

1. Project Name: Tara Forest West
2. Address of Subject Property: 15845 NW US Hwy 441 Alachua, FL
3. Parcel ID Number(s): 03067-001-000 and 03008-000-000
4. Existing Use of Property: Timberland
5. Future Land Use Map Designation : Moderate Density Residential, Conservation, Commercial
6. Zoning Designation: RSF-4, CI
7. Acreage: 335.63

B. APPLICANT

1. Applicant's Status ☐ Owner (title holder) ☒ Agent
2. Name of Applicant(s) or Contact Person(s): Christopher A. Potts, PE Title: Director of Engineering
   Company (if applicable): JBrown Professional Group Inc.
   Mailing address: 3530 NW 43rd Street
   City: Gainesville State: FL ZIP: 32606
   Telephone: (352) 375-8999 FAX: (352) 375-0833 e-mail: chris.potts@jbpro.com
3. If the applicant is agent for the property owner*:
   Name of Owner (title holder): Tara Forest, LLC.; Sayed Moukhtara
   Mailing Address: 7717 NW 20th Lane
   City: Gainesville State: FL ZIP: 32605

   * Must provide executed Property Owner Affidavit authorizing the agent to act on behalf of the property owner.

C. ADDITIONAL INFORMATION

1. Is there any additional contact for sale of, or options to purchase, the subject property? ☐ Yes ■ No
   If yes, list names of all parties involved: _____
   If yes, is the contract/option contingent or absolute? ☐ Contingent ☐ Absolute

D. ATTACHMENTS

1. Statement of proposed special exception including the identification of the provision of the Land Development Regulations under which the special exception permit is sought, and stating the grounds on which it is requested.

2. Analysis of compliance with the Standards for a Special Exception, as defined in Section 2.4.4 of the Land Development Regulations (LDRs), and listed below:
   a. Complies with Use Specific Regulations
   b. Compatibility
   c. Design Minimizes Adverse Impact
   d. Design Minimizes Environmental Impact
   e. Roads and Other Public Facilities
   f. Not Injure Neighboring Land or Property Values
   g. Site Plan
   h. Complies will All Other Relevant Laws and Ordinances

3. Materials which demonstrate that the special exception permit would promote the public health, safety, morals, order, comfort, convenience, appearance, prosperity or the general welfare, which shall include (at a minimum):

a. A site plan showing the proposed placement of structures on the property; provisions for ingress and egress, off-street parking and off-street loading areas, and refuse and service areas; and required yards and other open spaces;
b. Access and points of connection to utilities (electric, potable water, sanitary sewer, gas, etc.)
c. Plans for screening and buffering with reference to type, character and dimensions;
d. Proposed landscaping, signs and lighting, including type, dimensions and character;
e. Any specific requirements of the zoning district.

4. Two (2) sets of labels for all property owners within 400 feet of the subject property boundaries – even if property within 400 feet falls outside of City limits. (Obtain from the Alachua County Property Appraiser).

5. Neighborhood Meeting Materials, including:
   i. Copy of the required published notice (advertisement) – must be published a newspaper of general circulation, as defined in Article 10 of the City's Land Development Regulations
   ii. Copy of written notice (letter) sent to all property owners within 400 feet, and mailing labels or list of those who received written notice
   iii. Written summary of meeting – must include (1) those in attendance; (2) a summary of the issues related to the development proposal discussed; (3) comments by those in attendance about the development proposal; and, (4) any other information deemed appropriate.

6. Map of the subject property and surrounding area with zoning.

7. Legal description with tax parcel number.

8. Proof of ownership.

9. Proof of payment of taxes.

10. **Fee.** Please see fee schedule for fee determination. No application shall be accepted for processing until the required application fee is paid in full by the applicant. Any necessary technical review will be billed to the applicant at the rate of the reviewing entity. The invoice shall be paid in full prior to any legislative and/or quasi-judicial action of any kind on the petition, appeal, or development application.

All 10 attachments are required for a complete application. A completeness review of the application will be conducted within 5 business days of receipt. If the application is determined to be incomplete, the application will be returned to the applicant.

I/We certify and acknowledge that the information contained herein is true and correct to the best of my/our knowledge.

Signature of Applicant

Signature of Co-applicant

CHRISTOPHER POTTS

Typed or printed name and title of applicant

Typed or printed name of co-applicant

State of Florida County of Alachua

The foregoing application is acknowledged before me this 27th day of January, 2022, by Christopher Potts

_____, who is/are personally known to me, or who has/have produced _____ as identification.

NOTARY SEAL

Jennifer Newbegin
Notary Public
State of Florida
Comm# HH075654
Expires 12/29/2024

Signature of Notary Public, State of Florida

Gainesville
3530 NW 43rd Street
Gainesville, FL 32606

St. Augustine
4420 US-1 S, Suite 1
St. Augustine, FL 32086

jbpro.com
(844) Go-JBPro
contact@jbpro.com

Tara Forest West

Special Exception Statement and Analysis of Compliance

(1) *Complies with use specific regulations. The proposed special exception complies with all relevant standards in Section 4.3, Use specific standards, or Section 5.2.3(B), as applicable.*

Response: Stormwater retention facilities are classified as a minor utility as identified in Section 4.3.I(4). Per table 4.1.1 – permitted uses, minor utilities are a permitted use within a zoning district of conservation and agriculture which complies with the zoning designation of the location of the stormwater detention or retention facility allows minor utilities. The stormwater retention facilities will be placed within the recreation zoned lands which do not require screening or buffering from the adjacent conservation zoned lands or the RSF-4 zoned lands. The proposed location as shown in the preliminary plat master drainage plan will assist with the topographic relief. The existing topography has significant slope and slopes from the east to west. For the RSF-4 zoned lands stormwater runoff to be collected and treated, the stormwater retention facilities need to be placed downstream which is the recreational lands and under one common ownership. The stormwater retention facilities will improve the water quality of the stormwater runoff that enters the conservation and flood plain to the west. This improves the environmental quality of the water and reduces adverse impacts to the surrounding developments. The proposed location of the stormwater retention facilities is shown on the preliminary plat plan sheets which meets the requirements of Section 2.4.4(D)(7).

(2) *Compatibility. The proposed special exception is appropriate for its location and compatible with the character of surrounding lands and the uses permitted in the zone district.*

Response: The stormwater retention facilities are proposed within the less intense zoning district. The facilities are placed downstream of the proposed development and are compatible with the recreation zoned lands.

(3) *Design minimizes adverse impact. The design of the proposed special exception minimizes adverse effects, including visual impacts of the proposed use on adjacent lands; furthermore, the proposed special exception avoids significant adverse impact on surrounding lands regarding service delivery, parking and loading, odors, noise, glare, and vibration, and does not create a nuisance.*

Response: The proposed special exception request is for the placement of stormwater retention facilities to be constructed within less intense zoning district under common ownership. The proposed locations will not adversely impact the

surrounding lands. The facilities will provide water quality and quantity improving the quality of water reaching the conservation lands.

(4) *Design minimizes environmental impact. The proposed special exception minimizes environmental impacts and does not cause significant deterioration of light, water and air resources, wildlife habitat, stormwater management, scenic resources, and other natural resources.*

Response: The proposed locations of the stormwater retention facilities will not adversely impact the environment. The facilities will provide water quality and quantity improving the quality of water reaching the environmental sensitive lands.

(5) *Roads and other public facilities. There is adequate public facility capacity available to serve the proposed special exception, and the proposed special exception use is designed to ensure safe ingress and egress onto the site and safe road conditions around the site.*

Response: The proposed special exception request is for the placement of stormwater retention facilities to be constructed within less intense zoning district under common ownership. This request will not require road or other public facilities.

(6) *Not injure neighboring land or property values. The proposed special exception will not substantially injure the use of neighboring land for those uses that are permitted in the zone district, or reduce land values.*

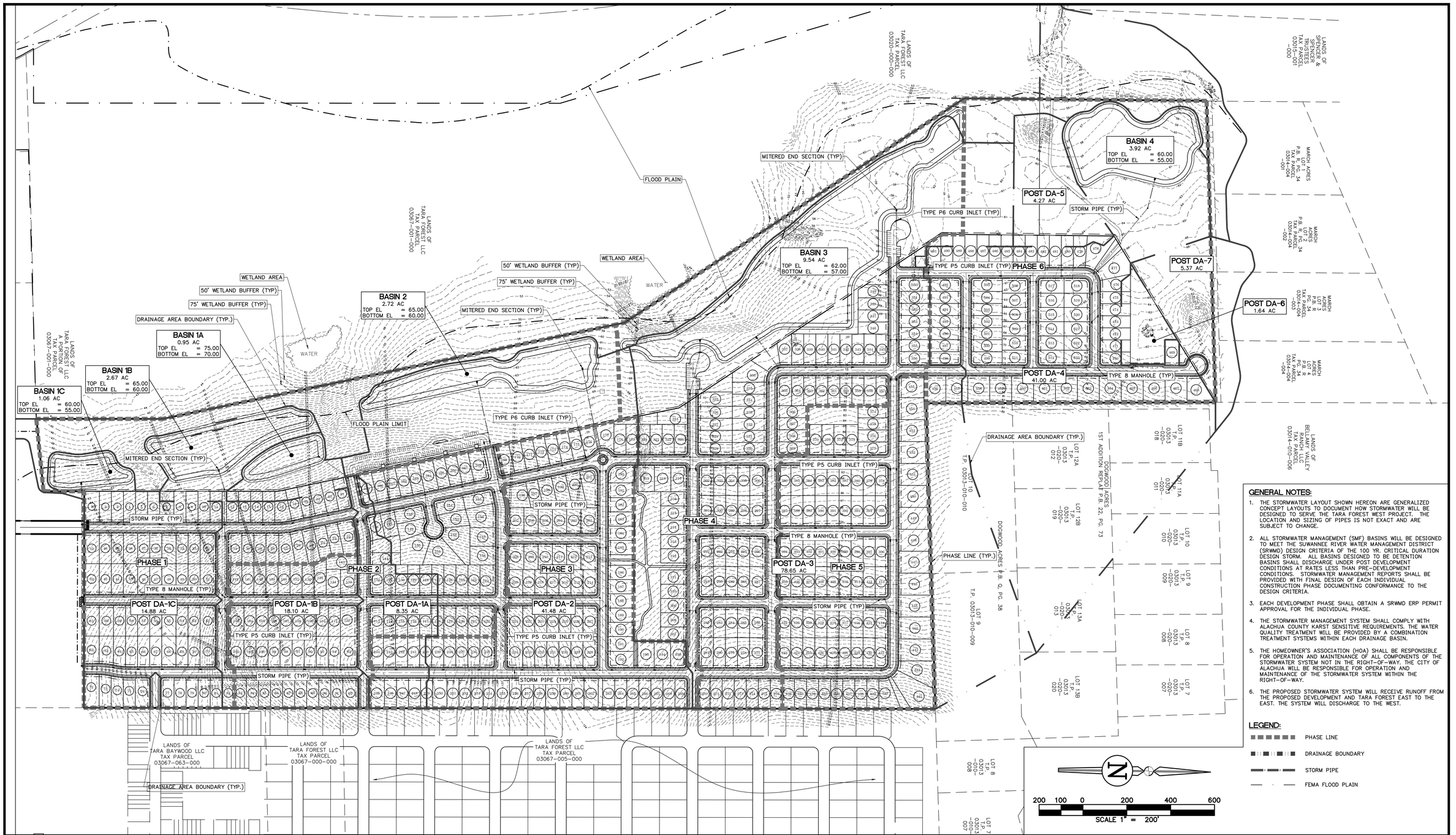
Response: The proposed special exception request is for the placement of stormwater retention facilities to be constructed within less intense zoning district under common ownership. This request will not impact the value of adjacent lands but provide the necessary water retention.

(7) *Drawings. A site plan (Subsection 2.4.9 of this section) or preliminary plat (Subsection 2.4.10(G)(3) of this section) has been prepared that demonstrates how the proposed special exception use complies with the other standards of this subsection.*

Response: A site plan is enclosed in the submittal package.

(8) *Complies with all other relevant laws and ordinances. The proposed special exception use complies with all other relevant City laws and ordinances, State and Federal laws, and regulations*

Response: The proposed special exception will still obtain all necessary local, state and federal permits that are applicable.



GENERAL NOTES:

1. THE STORMWATER LAYOUT SHOWN HEREON ARE GENERALIZED CONCEPT LAYOUTS TO DOCUMENT HOW STORMWATER WILL BE DESIGNED TO SERVE THE TARA FOREST WEST PROJECT. THE LOCATION AND SIZING OF PIPES IS NOT EXACT AND ARE SUBJECT TO CHANGE.
2. ALL STORMWATER MANAGEMENT (SMF) BASINS WILL BE DESIGNED TO MEET THE SUWANNEE RIVER WATER MANAGEMENT DISTRICT (SRWMD) DESIGN CRITERIA OF THE 100 YR. CRITICAL DURATION DESIGN STORM. ALL BASINS DESIGNED TO BE DETENTION BASINS SHALL DISCHARGE UNDER POST DEVELOPMENT CONDITIONS AT RATES LESS THAN PRE-DEVELOPMENT CONDITIONS. STORMWATER MANAGEMENT REPORTS SHALL BE PROVIDED WITH FINAL DESIGN OF EACH INDIVIDUAL CONSTRUCTION PHASE DOCUMENTING CONFORMANCE TO THE DESIGN CRITERIA.
3. EACH DEVELOPMENT PHASE SHALL OBTAIN A SRWMD ERP PERMIT APPROVAL FOR THE INDIVIDUAL PHASE.
4. THE STORMWATER MANAGEMENT SYSTEM SHALL COMPLY WITH ALACHUA COUNTY KARST SENSITIVE REQUIREMENTS. THE WATER QUALITY TREATMENT WILL BE PROVIDED BY A COMBINATION TREATMENT SYSTEMS WITHIN EACH DRAINAGE BASIN.
5. THE HOMEOWNER'S ASSOCIATION (HOA) SHALL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF ALL COMPONENTS OF THE STORMWATER SYSTEM NOT IN THE RIGHT-OF-WAY. THE CITY OF ALACHUA WILL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE STORMWATER SYSTEM WITHIN THE RIGHT-OF-WAY.
6. THE PROPOSED STORMWATER SYSTEM WILL RECEIVE RUNOFF FROM THE PROPOSED DEVELOPMENT AND TARA FOREST EAST TO THE EAST. THE SYSTEM WILL DISCHARGE TO THE WEST.

LEGEND:

- PHASE LINE
- DRAINAGE BOUNDARY
- STORM PIPE
- FEMA FLOOD PLAIN

REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: **CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842**

PRELIMINARY NOT FOR CONSTRUCTION

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JBPro
CIVIL ENGINEERING | LAND PLANNING
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4420 US-1 S, Suite 1 | St. Augustine, Florida 32086

Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE: **MASTER DRAINAGE PLAN**

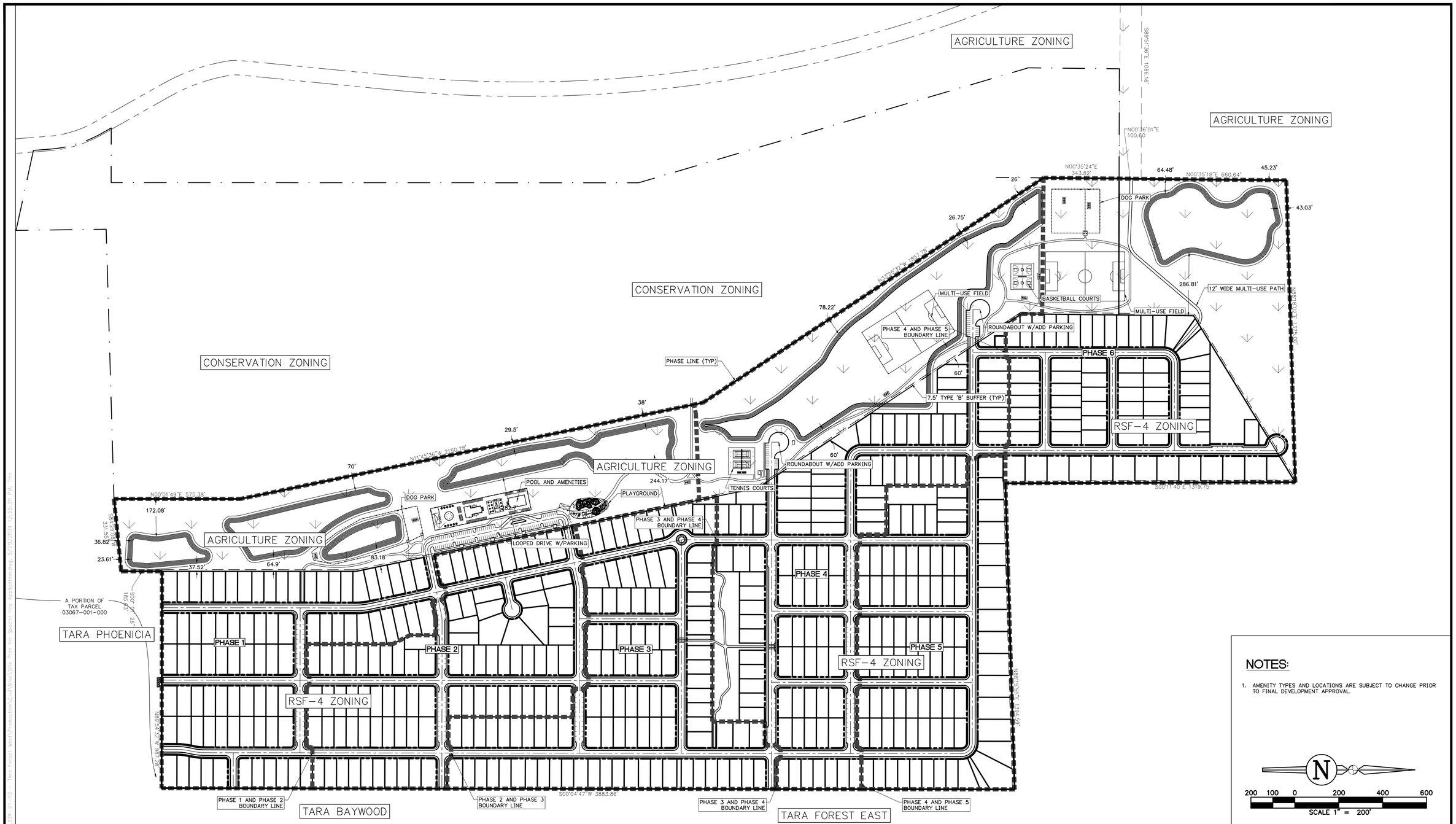
DATE: MAY 2024

PROJECT NO: 398-21-03

CLIENT: **TARA FOREST**
ALACHUA, FLORIDA

PROJECT: **TARA FOREST**
WEST

SHEET NO: **C3.0**



NOTES:

1. AMENITY TYPES AND LOCATIONS ARE SUBJECT TO CHANGE PRIOR TO FINAL DEVELOPMENT APPROVAL.

N

200 100 0 200 400 600

SCALE 1" = 200'

REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: **CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842**

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SURVEYING | CONSTRUCTION SERVICES

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Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE: SPECIAL EXCEPTION - SITE PLAN

DATE: MAY 2024

PROJECT NO: 398-21-03

CLIENT: TARA FOREST
ALACHUA, FLORIDA

PROJECT: TARA FOREST
WEST

SHEET NO: 1.0

ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

BAKER WILLIAM S & PAMELA A
14655 NW 174TH AVE
ALACHUA, FL 32615

BOODRAM SEETERAM & DAVEKA
2620 1 ST AVE
HALETHORPE, MD 21227

CHENEVEY & GRAY-CHENEVEY
15135 NW 174TH AVE
ALACHUA, FL 32615

CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

DURANTE & KOJO
14907 NW 174TH AVE
ALACHUA, FL 32615

ESCOFFERY-LAWRENCE & LAWRENCE
14745 NW 174TH AVE
ALACHUA, FL 32615

FIRST STREET GROUP L C
PO BOX 1990
ALACHUA, FL 32616

FLYNN PAUL & LINDA
15118 NW 174TH AVE
ALACHUA, LA 32615

KOROSIC CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

LBJ ALACHUA LLC
4 DORCHESTER RD
SCARSDALE, NY 10583

LOWES HOME CENTERS INC
1000 LOWES BOULEVARD TAX DEPT
MOORESVILLE, NC 28117

MI APA LATIN CAFE OF ALACHUA LLC
15634 NW HWY 441 STE F
ALACHUA, FL 32615

MOHAN-LERRA FAMILY PARTNERSHIP
16715 NW 129TH TER
ALACHUA, FL 32615

NATIONAL SPELEOLOGICAL SOCIETY II
6001 TULASKI PIKE NW
HUNTSVILLE, AL 35810

PRATTO & PRATTO
3131 NW 111TH ST
GAINESVILLE, FL 32606

SMITH DAVE EUGENE & PAMELA PEARS
15314 NW 89TH ST
ALACHUA, FL 32615

STALBAUM & STALBAUM
4526 SW 63RD BLVD
GAINESVILLE, FL 32608

TARA BAYWOOD LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

WAFFLE HOUSE INC
5986 FINANCIAL DR
NORCROSS, GA 30071

YOUNG ESTATES LLC
14414 NW 60TH AVE
ALACHUA, FL 32615

MICHELE L. LIEBERMAN
COUNTY MANAGER
12 SE 1ST STREET
GAINESVILLE, FL 32601

ANTOINETTE ENDELICATO
5562 NW 93RD AVENUE
GAINESVILLE, FL 32653

LINDA DIXON, AICP
ASSISTANT DIRECTOR PLANNING
PO BOX 115050
GAINESVILLE, FL 32611

TAMARA ROBBINS
PO BOX 2317
ALACHUA, FL 32616

LYNDA COON
7216 NW 126TH AVENUE
ALACHUA, FL 32615

JOSEPH & PHYLLIS STRICKLAND
14103 NW 156TH PLACE
ALACHUA, FL 32615

JEAN CALDERWOOD
14095 NW 174TH AVENUE
ALACHUA, FL 32615

LYNN HORTON
19005 NW 138TH AVENUE
ALACHUA, FL 32615

JBPRO
3530 NW 43RD STREET
GAINESVILLE, FL 32606

Gainesville
3530 NW 43rd Street
Gainesville, FL 32606

St. Augustine
4420 US-1 S, Suite 1
St. Augustine, FL 32086

jbpro.com
(844) Go-JBPro
contact@jbpro.com

Tara Forest West – Special Exception Neighborhood Workshop Summary

Meeting Location: Swick House Cedar Room
Meeting Date and Time: June 2nd at 6pm
Meeting Presenter: Kyle Willems, PE, JBPro & Logan Peters, PE, JBPro

The neighborhood meeting began on time, with approximately 7 neighbors in attendance. Mr. Willems gave a PowerPoint presentation which described the nature of the application for a Special Exception and provided a visual representation of the stormwater design for the development at this stage of the permitting and review process. Many questions were asked and sparked a good discussion on topics like environmental and flooding impacts to adjacent properties. The timeline to final buildout was also briefly discussed. Specific questions are listed below, with responses.

1. What would stormwater look like without the Special Exception?
   Response: Mr. Willems explained that the first goal of stormwater design is to place the basins in the lowest possible location topographically. With that in mind, if the basins could not be placed in the recreation zoned portion of the parcel, they would have to be located in the lowest topographical area of the residentially zoned portion of the parcel. It was discussed that designing the basins within the residential area would decrease the number of lots for the development.

2. How will stormwater be routed away from Dogwood Acres?
   Response: Mr. Willems explained that the overall grading for the proposed subdivision routes most of the runoff to the basins via sheet flow and storm pipes. If there is any land that remains undeveloped, which also naturally flows offsite, that runoff will flow as it does in existing conditions. Mrs. Peters elaborated by stating the design criteria ensures that post-development conditions must provide equal to or less runoff volume and runoff rates that what is naturally occurring in pre-development conditions.

3. What are the impacts to wildlife? Specifically, gopher tortoises and deer.
   Response: Mr. Willems and Mrs. Peters agreed there will be impacts to wildlife with the proposed subdivision, as there is with all developments. It was also stated that the recreation zoned portion of the property, which was the subject of the neighborhood workshop, would include minimal improvements and that impacts would also be minimal. The protocol surrounding gopher tortoise permitting with FWC was discussed as well.

4. What happens if the current developer sells the property?
   Response: Neighbors were concerned about changes in the proposed development should the ownership change. Mr. Willems and Mrs. Peters assured the neighbors that the developer has no intention of selling the property while it is still under design and permitting. It was also mentioned that in the rare and unlikely event that the property does get sold, the new owner would have the option to continue with the currently proposed subdivision design or begin with a new concept.

Neighborhood Workshop

FOR

Tara Forest West
Special Exception

North of US 441 S, Northwest of Lowe's

June 2, 2022

Presentation Outline

1. Project Location
2. Project Zoning
3. Special Exception
4. Questions & Comments

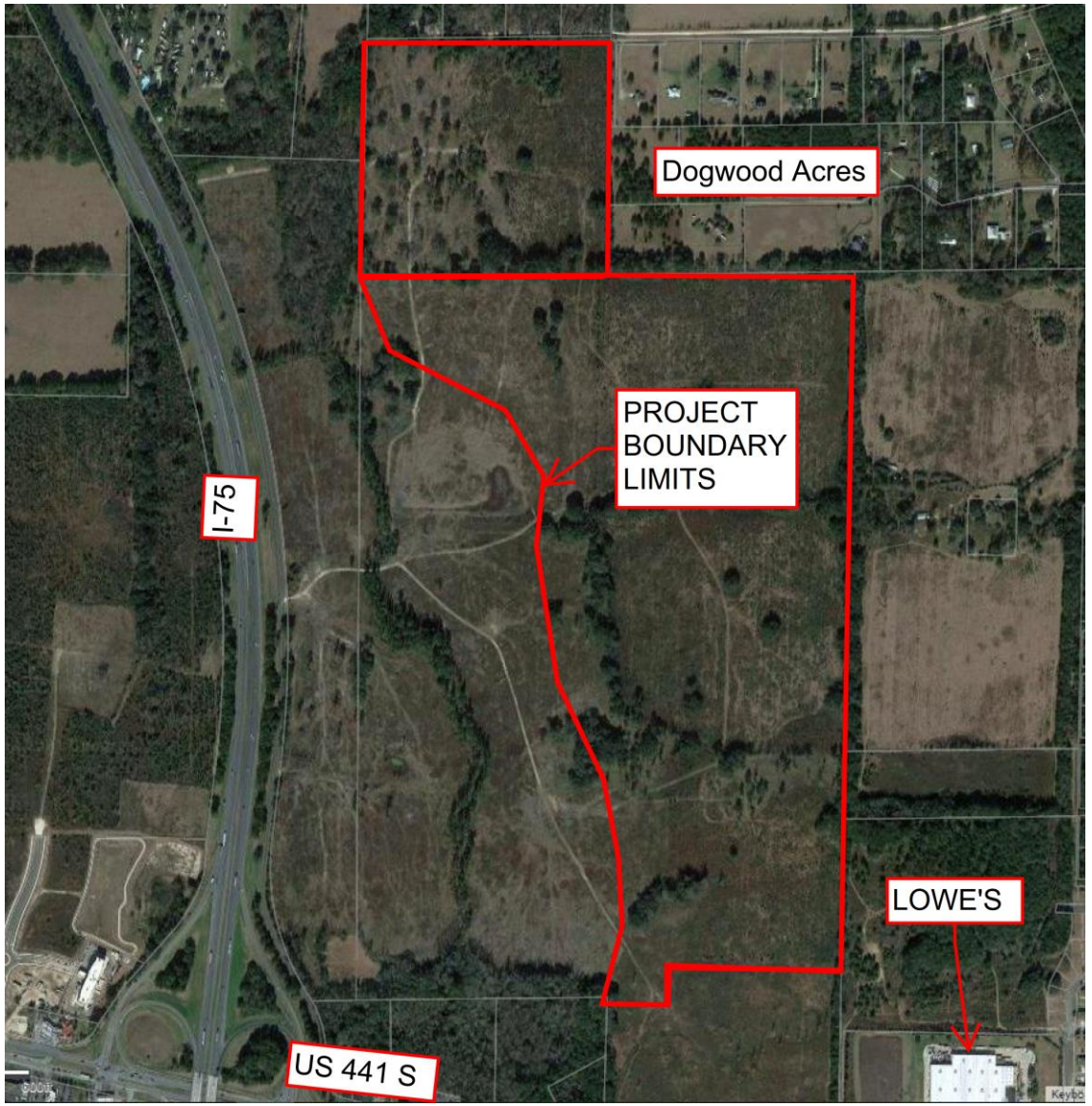
Project Location

General Information

- Parcel's 03008-000-000 & a portion of 03067-001-000
- 200.68 total acres

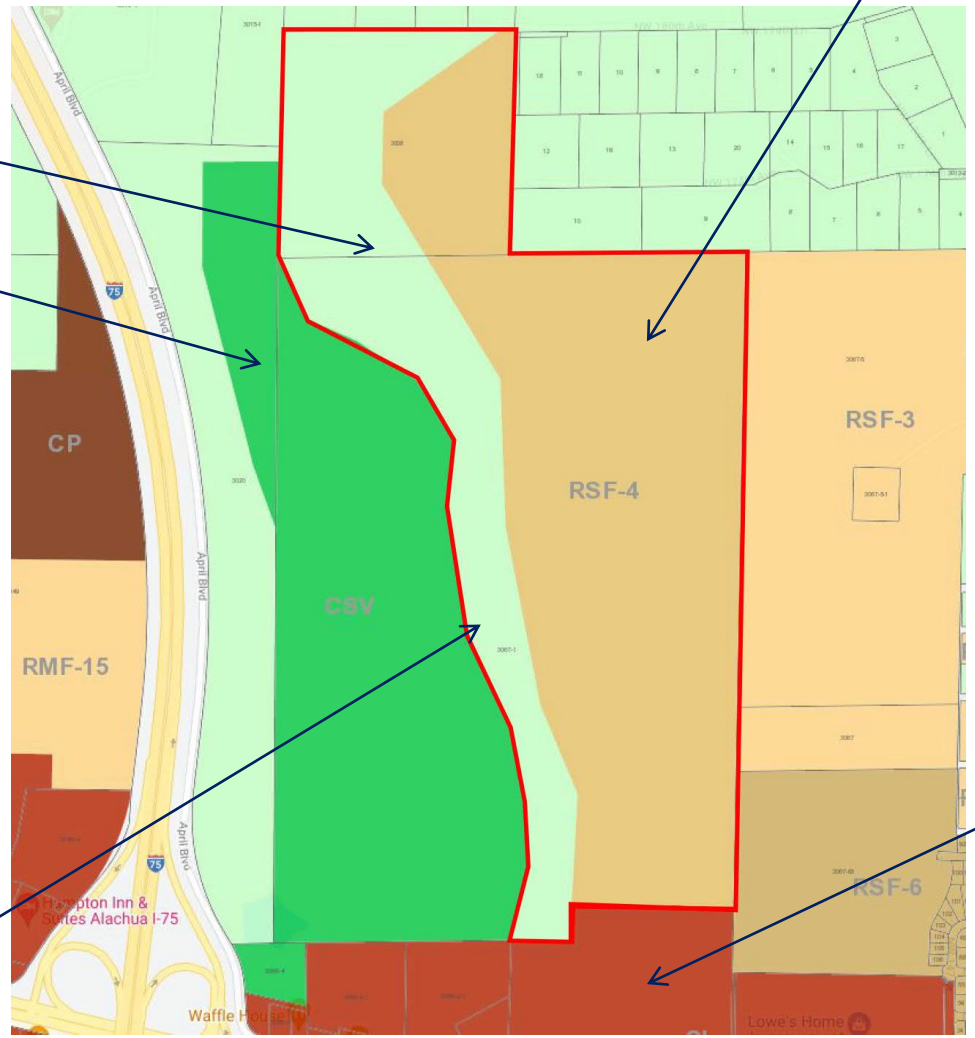
Surrounding Properties

- Lowe's
- Baywood Center
- Baywood Subdivision
- Dogwood Acres



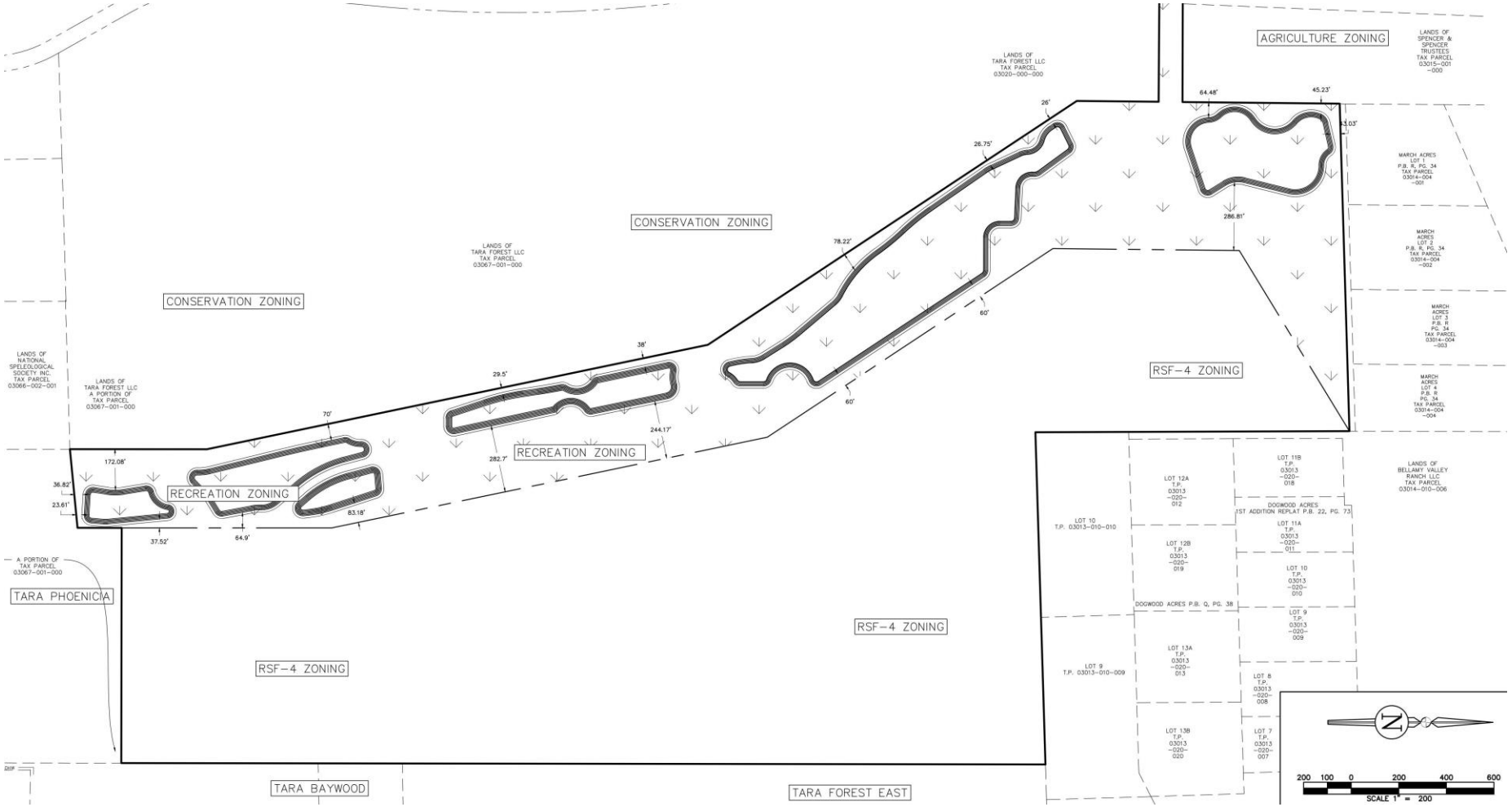
Project Zoning

- Recreation lands located on the lower elevation.
- Stormwater retention systems are proposed within the Recreation lands to serve the proposed Residential Development to the east.



Site Plan

- Stormwater systems are considered Minor Utilities per Section 4.3.2(I)(4)(a)
- A Special Exception permit application is required for placement of stormwater systems within a less intense zoned parcel that is under common ownership.
- Proposed uses within the Recreation lands are:
  - Stormwater Systems
  - Playgrounds
  - Multi-Purpose Fields
  - Trails
  - Community Pool



Proposed Next Steps

- **Public Comments and Discussion**
- **City Staff Review of Special Exception Application**
- **Planning & Zoning Board (Public Hearing)**
- **City Commission Meeting (Public Hearing)**

Questions & Comments

Kyle Willems, PE – kyle.willems@jbpro.com

Logan Peters, PE – logan.peters@jbpro.com

Chris Potts, PE – chris.potts@jbpro.com

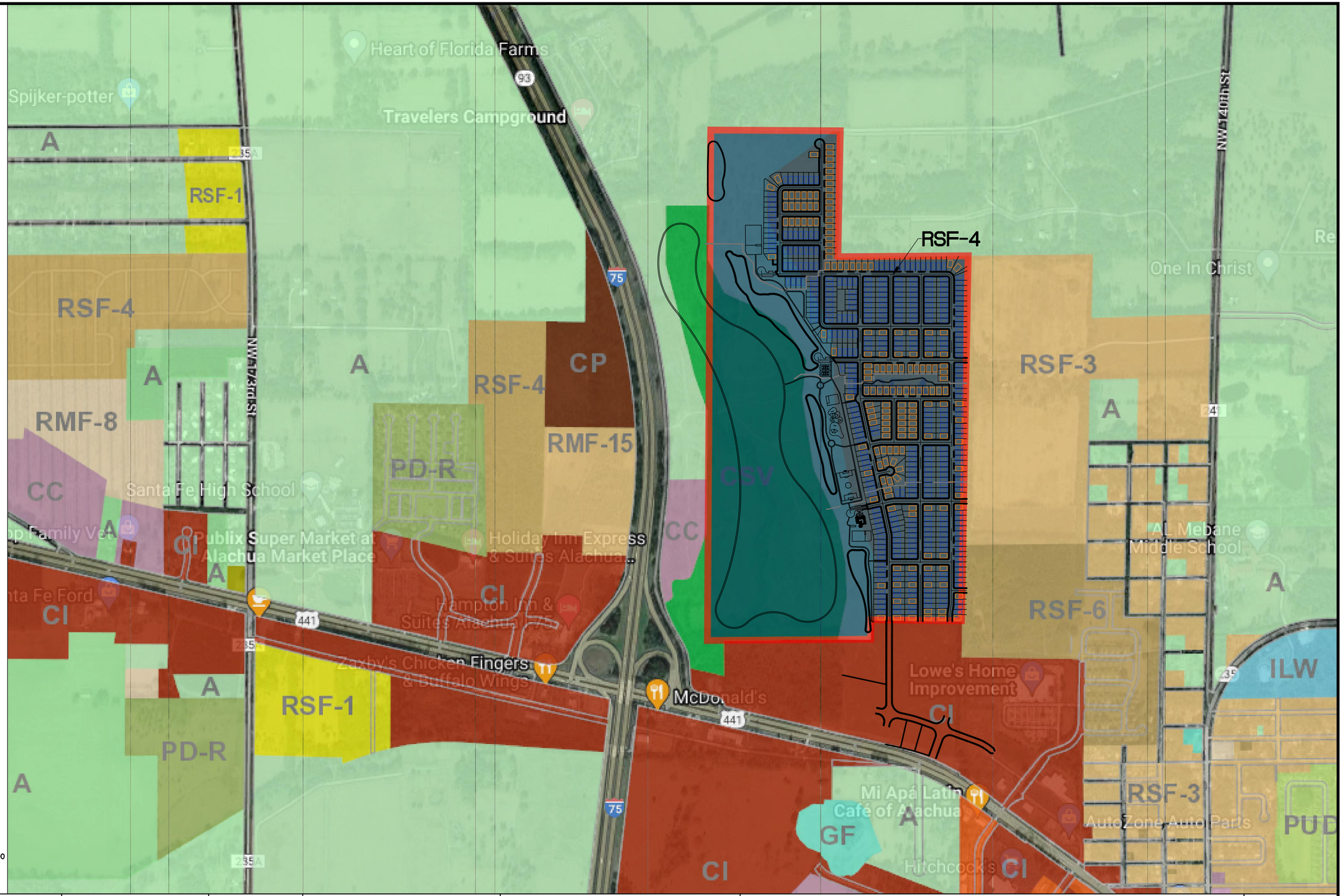
JBPro Office – (352) 375-8999

JBPro
Civil Engineering | Land Planning
Surveying | Construction Services

Gainesville | St. Augustine
3530 NW 43rd Street
Gainesville, FL 32606

Tara Forest West
Special Exception
Neighborhood Meeting
Sign-In Sheet

Name	Address	Phone	Email
Jimmy Anuszewski	15021 NW 174th Ln 32615	2392816619	GATORJIMBO @ GSRDUC.com
TAM & BILL BAKER	14655NW 174 AVE 32615	407-718-0959	Pbaker27@me.com
R. Tovar	14228 NW 18th Ave. 32615	352-870-6151	rjhad@hotmail.com
Mike Chasteen	14336 NW 180 Ave 32615	352-682-5041	MChasteen29@gmail.com
Chris Cheneveg	15135 NW 174th ave. 32615	954 851.2723	Chris@Bagerlaw.com crcheneveg@aol.com



REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: LOGAN B. PETERS, P.E. FLORIDA LICENSE NO. 88516

PRELIMINARY
NOT FOR CONSTRUCTION

THIS DOCUMENT IS ISSUED FOR THE PURPOSE OF REVIEW ONLY AND IS NOT INTENDED FOR FINAL PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES.

JBPro
CIVIL ENGINEERING | LAND PLANNING
SURVEYING | CONSTRUCTION SERVICES

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4420 US-1 S, Suite 1 | St. Augustine, Florida 32086

Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE: PROPERTY MAP AND ZONING

DATE: JANUARY 2022

PROJECT NO: 398-19-03

CLIENT: TARA FOREST ALACHUA, FLORIDA

PROJECT: TARA FOREST WEST

SHEET NO: CX.X

J:\398-21-03 - Tara Forest West\Production\Civil\Preliminary Plat\Sheets\C3.0 Master Drainage Plan - Copy.dwg, 1/5/2022 2:43:39 PM, Brandon

ORDINANCE 10-23

AN ORDINANCE OF THE CITY OF ALACHUA, FLORIDA, RELATING TO THE AMENDMENT OF THE OFFICIAL ZONING ATLAS; AMENDING THE OFFICIAL ZONING ATLAS FROM AGRICULTURE (A) AND COMMERCIAL INTENSIVE (CI) TO CONSERVATION (CSV), AGRICULTURE (A), RESIDENTIAL SINGLE FAMILY – 4 (RSF-4), RESIDENTIAL MULTIPLE FAMILY – 8 (RMF-8), AND COMMERCIAL INTENSIVE (CI) ON APPROXIMATELY 523 ACRES; LOCATED NORTH OF U.S. HIGHWAY 441 AND ADJACENT TO AND ON THE EAST AND WEST SIDE OF INTERSTATE HIGHWAY 75 (I-75); ALACHUA, FLORIDA. TAX PARCEL NUMBERS 03008-000-000, 03020-000-000, 03049-000-000, 03066-004-000, AND 03067-001-000; REPEALING ALL ORDINANCES IN CONFLICT; PROVIDING SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

RECITALS

WHEREAS, an application for a Site-Specific Amendment to the Official Zoning Atlas (rezoning), as described below, has been filed with the City; and,

WHEREAS, a duly advertised public hearing was conducted on the proposed amendment on August 10, 2010 by the Planning and Zoning Board, sitting as the Local Planning Agency (LPA) and the LPA reviewed and considered all comments received during the public hearing concerning the application and made its recommendation to the City Commission; and,

WHEREAS, the City Commission held a duly advertised public hearing on September 13, 2010 and October 11, 2010 on the proposed amendment and provided for and received public participation; and,

WHEREAS, the City Commission has determined and found said application for the amendment, to be consistent with the City of Alachua Comprehensive Plan and Land Development Regulations; and,

WHEREAS, for reasons set forth in this Ordinance that is hereby adopted and incorporated as findings of fact, that the Alachua City Commission finds and declares that the enactment of this amendment is in the furtherance of the public health, safety, morals, order, comfort, convenience, appearance, prosperity, or general welfare.

NOW, THEREFORE, BE IT ORDAINED BY THE PEOPLE OF THE CITY OF ALACHUA, FLORIDA:

Section 1. Official Zoning Atlas Amended

The Official Zoning Atlas is hereby amended from Agriculture (A) (±483 acres) and Commercial Intensive (CI) (±40 acres) to Conservation (CSV) (±115 acres), Agriculture (A) (±107 acres), Residential Single Family – 4 (RSF-4) (±174.5 acres), Residential Multiple Family – 8 (RMF-8) (±36.1 acres), and Commercial Intensive (CI) (±90 acres) for Tax Parcel Numbers 03008-000-000, 03020-000-000, 03049-000-000, 03066-004-000, and 03067-001-000, in accordance with the legal description found in Exhibit A attached hereto.

Section 2. Findings of Fact and Conclusions of Law

1. The above recitals are true and correct and incorporated herein by reference.
2. The proposed Rezoning is in compliance with the Land Development Regulations.
3. The amendment will not cause a reduction in the adopted level of service standards for roads, water, sewer, waste, stormwater, and recreation.

Section 3. Ordinance to be Construed Liberally

This ordinance shall be liberally construed in order to effectively carry out the purposes hereof which are deemed to be in the best interest of the public health, safety and welfare of the citizens and residents of Alachua, Florida.

Section 4. Repealing Clause

All ordinance or parts of ordinances in conflict herewith are, to the extent of the conflict, hereby repealed.

Section 5. Severability

It is the declared intent of the City Commission of the City of Alachua that, if any section, sentence, clause, phrase, or provision of this ordinance is for any reason held or declared to be unconstitutional, void, or inoperative by any court or agency of competent jurisdiction, such holding of invalidity or unconstitutionality shall not affect the remaining provisions of this ordinance, and the remainder of the ordinance after the exclusions of such part or parts shall be deemed to be valid.

Section 6. **Effective Date**

This ordinance shall take effect immediately after its passage and adoption.

PASSED on first reading the 13th day of September, 2010.

PASSED and **ADOPTED,** in regular session, with a quorum present and voting, by the City Commission, upon second and final reading this 11th day of October, 2010.

CITY COMMISSION OF THE
CITY OF ALACHUA, FLORIDA

Gib Coerper, Mayor

SEAL

ATTEST:

Traci L. Cain, City Manager/Clerk

APPROVED AS TO FORM

Marian B. Rush, City Attorney

EXHIBIT "A"

Parcel 03008-000-000, 03020-000-000, 03049-000-000, 03066-004-000, AND 03067-001-000

Taxpayer:	MEGAHEE ENTERPRISES, LTD., LLLP.	**Legal:**
Mailing:	2632 NW 43rd ST # 94 GAINESVILLE, FL 32606	**PARCEL "A" – "RESIDENTIAL SINGLE FAMILY – 4 (RSF-4)" WEST OF INTERSTATE HIGHWAY NO. 75** **40.00 ACRES MORE OR LESS**
Location:		A TRACT OF LAND SITUATED IN SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
Sec-Twn-Rng:	10-8-18	COMMENCE AT THE NORTHEAST CORNER OF SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN S88°27'52"W, ALONG THE NORTH LINE OF SAID SECTION 9, 1312.38 FEET TO A POINT ON A WESTERLY LINE OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 1582, PAGE 1576 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, SAID POINT BEING THE NORTHEAST CORNER OF GOVERNMENT LOT 2 OF SECTION 9; THENCE RUN SOUTH 01°59'25" EAST ALONG SAID WESTERLY LINE, 685.49 FEET TO THE SOUTHEAST CORNER OF THE NORTH 1/4 OF SAID GOVERNMENT LOT 2; THENCE SOUTH 88°51'35" WEST ALONG THE SOUTH LINE OF SAID NORTH 1/4 OF SAID GOVERNMENT LOT 2, A DISTANCE OF 388.01 FEET TO THE **POINT OF BEGINNING;** THENCE DEPARTING SAID SOUTH LINE, SOUTH 01°08'25" EAST, A DISTANCE OF 2428.36 FEET; THENCE SOUTH 86°50'13" WEST, A DISTANCE OF 609.29 FEET TO THE EAST LINE OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 27, PAGE 296 OF SAID PUBLIC RECORDS; THENCE NORTH 03°09'47" WEST, ALONG THE EAST LINE OF SAID LANDS, A DISTANCE OF 1571.87 FEET TO THE NORTHEAST CORNER OF SAID LANDS; THENCE SOUTH 83°31'01" WEST, ALONG THE NORTH LINE OF SAID LANDS, A DISTANCE OF 181.99 FEET TO AN INTERSECTION WITH THE EASTERLY BOUNDARY OF EXCEPTION PARCEL #3, AS RECORDED IN OFFICIAL RECORDS BOOK 463, PAGE 378 OF SAID PUBLIC RECORDS; THENCE NORTH 01°43'40" WEST, ALONG THE EASTERLY LINE OF SAID EXCEPTION PARCEL #3, A DISTANCE OF 895.97 FEET TO THE AFOREMENTIONED SOUTH LINE OF THE NORTH 1/4 OF GOVERNMENT LOT 2; THENCE NORTH 88°51'35" EAST, ALONG SAID SOUTH LINE, A DISTANCE OF 854.78 FEET TO THE **POINT OF BEGINNING,** SAID TRACT OF LAND CONTAINING 40.00 ACRES MORE OR LESS.
Tax Jurisdiction:	Alachua 1700	
Area:	ALACHUA COMMERCIAL	
Subdivision:		

	PARCEL "B" – "RESIDENTIAL MULTIPLE FAMILY – 8 (RMF-8)" WEST OF INTERSTATE HIGHWAY NO. 75 **36.14 ACRES MORE OR LESS** A TRACT OF LAND SITUATED IN SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHEAST CORNER OF SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN SOUTH 88°27'52" WEST, ALONG THE NORTH LINE OF SAID SECTION 9, 1312.38 FEET TO A POINT ON A WESTERLY LINE OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 1582, PAGE 1576 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, SAID POINT BEING THE NORTHEAST CORNER OF GOVERNMENT LOT 2 OF SECTION 9 AND THE **POINT OF BEGINNING**; THENCE RUN NORTH 01°59'25" WEST, ALONG SAID WESTERLY LINE, 330.60 FEET TO A POINT ON THE WEST RIGHT OF WAY LINE OF STATE ROAD NO 93 (ALSO KNOWN AS INTERSTATE HIGHWAY NO. 75), SAID POINT BEING ON A CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 5579.58 FEET, AND BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF SOUTH 18°03'15" EAST, 1850.92 FEET; THENCE SOUTHERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 19°05'42", AN ARC LENGTH OF 1859.51; THENCE DEPARTING SAID WESTERLY RIGHT OF WAY LINE, SOUTH 81°29'36" WEST, A DISTANCE OF 450.14 FEET; THENCE RUN SOUTH 01°08'25" EAST, A DISTANCE OF 774.83 FEET; THENCE RUN SOUTH 08°39'32" WEST, A DISTANCE OF 841.86 FEET; THENCE RUN SOUTH 86°50'13" WEST, A DISTANCE OF 321.92 FEET; THENCE RUN NORTH 01°08'25" WEST, A DISTANCE OF 2428.36 FEET TO THE SOUTH LINE OF THE NORTH 1/4 OF AFOREMENTIONED GOVERNMENT LOT 2; THENCE RUN NORTH 88°51'35" EAST, ALONG SAID SOUTH LINE, A DISTANCE OF 388.01 FEET TO THE SOUTHEAST CORNER OF SAID NORTH 1/4 OF GOVERNMENT LOT 2; THENCE RUN NORTH 01°59'25" WEST, ALONG THE EAST LINE OF SAID OF GOVERNMENT LOT 2, A DISTANCE OF 685.49 FEET TO THE **POINT OF BEGINNING,** SAID TRACT OF LAND CONTAINING 36.14 ACRES MORE OR LESS. **PARCEL "C" – "COMMERCIAL INTENSIVE (CI)" WEST OF INTERSTATE HIGHWAY NO. 75** **50.00 ACRES MORE OR LESS** A TRACT OF LAND SITUATED IN SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA

	COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHEAST CORNER OF SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN SOUTH 88°27'52" WEST, ALONG THE NORTH LINE OF SAID SECTION 9, 1166.40 FEET TO A POINT ON THE WESTERLY RIGHT OF WAY LINE OF STATE ROAD NO 93 (ALSO KNOWN AS INTERSTATE HIGHWAY NO. 75), SAID POINT BEING ON A CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 5579.58 FEET, AND BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF SOUTH 16°11'34" EAST, 1492.51 FEET; THENCE SOUTHERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 15°22'21", AN ARC LENGTH OF 1497.00 FEET TO THE **POINT OF BEGINNING;** THENCE CONTINUE ALONG SAID WESTERLY RIGHT OF WAY LINE THE FOLLOWING COURSES AND DISTANCES; THENCE SOUTHERLY WITH A CURVE CONCAVE WESTERLY, HAVING A CENTRAL ANGLE OF 12°55'46", A RADIUS OF 5579.58 FEET, AN ARC LENGTH OF 1259.10 FEET AND A CHORD BEARING AND DISTANCE OF SOUTH 02°02'31" EAST, 1256.43 FEET TO THE END OF SAID CURVE; THENCE SOUTH 04°25'25" WEST, 677.53 FEET; THENCE SOUTHWESTERLY WITH A CURVE CONCAVE NORTHWESTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 22°01'31", A RADIUS OF 894.93 FEET, AN ARC LENGTH OF 344.02 FEET AND A CHORD BEARING AND DISTANCE OF SOUTH 28°22'41" WEST, 341.91 FEET; THENCE SOUTH 39°23'26" WEST, 407.80 FEET; THENCE SOUTHWESTERLY WITH A CURVE CONCAVE SOUTHEASTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 12°10'00", HAVING A RADIUS OF 507.62 FEET, AN ARC LENGTH OF 107.79 FEET, AND A CHORD BEARING AND DISTANCE OF SOUTH 33°26'40" WEST, 107.59 FEET; THENCE SOUTH 27°23'48" WEST, 161.37 FEET TO A CORNER OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 1582, PAGE 1576 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA; THENCE LEAVE SAID RIGHT OF WAY LINE AND RUN NORTH 79°06'35" WEST, ALONG A SOUTHERLY LINE OF SAID LANDS, 524.10 FEET TO A CORNER OF SAID LANDS; THENCE RUN SOUTH 10°53'25" WEST ALONG A SOUTHERLY LINE OF SAID LANDS, 175.00 FEET TO THE NORTH RIGHT OF WAY LINE OF STATE ROAD NO. 25 (ALSO KNOWN AS U.S. HIGHWAY NO. 441); THENCE RUN NORTH 79°06'35" WEST, ALONG SAID NORTH RIGHT OF WAY LINE, 323.10 FEET TO THE SOUTHEAST CORNER OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 27, PAGE 296 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA; THENCE RUN NORTH 03°09'47" WEST, ALONG THE EAST LINE OF SAID LANDS, 1068.68 FEET; THENCE DEPARTING SAID EAST LINE, NORTH 86°50'13" EAST, A DISTANCE OF 931.21 FEET; THENCE RUN NORTH 08°39'32" EAST, A DISTANCE OF 841.86 FEET; THENCE RUN NORTH

	01°08’25” WEST, A DISTANCE OF 774.83 FEET; THENCE RUN NORTH 81°29’36” EAST, A DISTANCE OF 450.14 FEET TO THE **POINT OF BEGINNING,** SAID TRACT OF LAND CONTAINING 50.00 ACRES MORE OR LESS. **PARCEL “D” – “AGRICULTURE (A)” EAST OF INTERSTATE HIGHWAY NO. 75 43.00 ACRES MORE OR LESS** A TRACT OF LAND SITUATED SECTIONS 4, 9, AND 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCIRBED AS FOLLOWS: COMMENCE AT THE SOUTHEAST CORNER OF SECTION 4, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN NORTH 00°39’57” WEST, ALONG THE EAST LINE OF SAID SECTION 4, 660.58 FEET TO THE NORTHEAST CORNER OF THE SOUTH ½ OF GOVERNMENT LOT 7 OF SAID SECTION 4, AND THE **POINT OF BEGINNING**; THENCE RUN SOUTH 88°52’31” WEST, DEPARTING SAID EAST LINE OF SECTION 4, 1085.39 FEET TO THE EASTERLY RIGHT OF WAY LINE OF A COUNTY MAINTAINED PAVED SERVICE ROAD FOR INTERSTATE HIGHWAY NO. 75; THENCE RUN THE FOLLOWING SIX (6) COURSES AND DISTANCES ALONG SAID EASTERLY RIGHT OF WAY LINE; (1) THENCE SOUTH 28°28’08” EAST, A DISTANCE OF 108.03 FEET; (2) THENCE SOUTHERLY WITH A CURVE CONCAVE WESTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 32°53’33”, A RADIUS OF 5945.58 FEET, AN ARC LENGTH OF 3413.25 FEET AND A CHORD BEARING AND DISTANCE OF SOUTH 12°01’22” EAST, 3366.57 FEET; (3) THENCE RUN SOUTH 04°25’25” WEST, 711.16 FEET; (4) THENCE SOUTHERLY WITH A CURVE CONCAVE EASTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 14°48’53”, A RADIUS OF 161.18 FEET, AN ARC LENGTH OF 41.68 FEET AND A CHORD BEARING AND DISTANCE OF SOUTH 02°58’59” EAST, 41.56 FEET; (5) THENCE SOUTHEASTERLY WITH A CURVE CONCAVE NORTHEASTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 20°11’12”, A RADIUS OF 828.93 FEET, AN ARC LENGTH OF 292.05 FEET AND A CHORD BEARING AND DISTANCE OF SOUTH 20°28’59” EAST, 290.54 FEET; (6) THENCE RUN SOUTH 30°34’35” EAST, 303.35 FEET; THENCE NORTH 88°46’05” EAST, DEPARTING SAID EASTERLY RIGHT OF WAY LINE, A DISTANCE OF 248.78 FEET; THENCE NORTH 01°13’55” WEST, A DISTANCE OF 2401.40 FEET; THENCE RUN NORTH 17°41’04” WEST, A DISTANCE OF 1849.70 FEET; THENCE RUN NORTH 00°39’56” WEST, A DISTANCE OF 414.61 FEET; THENCE RUN NORTH 88°52’31” EAST, A DISTANCE OF 500.02 FEET TO THE AFOREMENTIONED EAST LINE OF SECTION 4; THENCE RUN NORTH 00°39’57” WEST, ALONG SAID EAST LINE OF SECTION 4, A DISTANCE OF 100.00 FEET

TO THE **POINT OF BEGINNING**; SAID TRACT OF LAND CONTAINING 43.00 ACRES MORE OR LESS.

PARCEL "E" – "CONSERVATION (CSV)" EAST OF INTERSTATE HIGHWAY NO. 75 115.00 ACRES MORE OR LESS

A TRACT OF LAND SITUATED IN SECTIONS 3, 4, 9, AND 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCIRBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF SECTION 4, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN NORTH 00°39'57" WEST, ALONG THE EAST LINE OF SAID SECTION 4, 216.17 FEET TO THE **POINT OF BEGINNING**; THENCE RUN SOUTH 34°40'48" EAST, DEPARTING SAID EAST LINE OF SECTION 4, A DISTANCE OF 1857.79 FEET; THENCE RUN SOUTH 13°00'52" EAST, A DISTANCE OF 2150.78 FEET; THENCE RUN SOUTH 01°13'55" EAST, A DISTANCE OF 576.44 FEET TO THE NORTHEAST CORNER OF SAID SOUTHWEST ¼ OF THE SOUTHWEST 1/4 OF SAID SECTION 10; THENCE RUN SOUTH 87°05'19" WEST, ALONG THE NORTH LINE OF SAID SOUTHWEST ¼ OF THE SOUTHWEST 1/4, 1228.23 FEET TO THE NORTHEAST CORNER OF THAT CERTAIN PARCEL OF LAND DESCRIBED IN OFFICIAL RECORD BOOK 2209, PAGE 2673 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, SAID PARCEL OF LAND BEING HEREINAFTER REFERRED TO AS THE "ADJACENT PARCEL"; THENCE RUN SOUTH 02°01'16" EAST, 410.28 FEET TO A BOUNDARY CORNER OF SAID "ADJACENT PARCEL"; THENCE RUN NORTH 79°00'47" WEST, ALONG A BOUNDARY LINE OF SAID "ADJACENT PARCEL" AND A WESTERLY PROJECTION THEREOF, 372.98 FEET TO THE EAST RIGHT OF WAY LINE OF A COUNTY MAINTAINED PAVED SERVICE ROAD FOR INTERSTATE HIGHWAY NO. 75; THENCE RUN NORTH 05°25'05" WEST, ALONG SAID RIGHT OF WAY LINE, 70.38 FEET TO THE BEGINNING OF A CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 573.62 FEET; THENCE RUN NORTHERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH A CENTRAL ANGLE OF 24°59'13", AN ARC DISTANCE OF 250.16 FEET (CHORD BEARING AND DISTANCE OF NORTH 17°47'24" WEST, 248.18 FEET RESPECTIVELY) TO THE END OF SAID CURVE; THENCE RUN NORTH 32°28'58" WEST, ALONG SAID RIGHT OF WAY LINE, 12.04 FEET TO THE INTERSECTION OF SAID RIGHT OF WAY LINE WITH THE WESTERLY PROJECTION OF THE AFOREMENTIONED NORTH LINE OF THE SOUTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 10; THENCE RUN NORTH 30°34'35" WEST, ALONG SAID EAST

RIGHT OF WAY LINE, 40.98 FEET; THENCE RUN NORTH 88°46’05” EAST, DEPARTING SAID EAST RIGHT OF WAY LINE, 248.78 FEET; THENCE RUN NORTH 01°13’55” WEST, 2401.40 FEET; THENCE RUN NORTH 17°41’04” WEST, 1849.70 FEET; THENCE RUN NORTH 00°39’56” WEST, 414.61 FEET; THENCE RUN NORTH 88°52’31” EAST, 500.02 FEET TO THE AFOREMENTIONED EAST LINE OF SECTION 4; THENCE RUN SOUTH 00°39’57” EAST, ALONG SAID EAST LINE OF SECTION 4, 343.81 FEET TO THE **POINT OF BEGINNING**; SAID TRACT OF LAND CONTAINING 115.00 ACRES MORE OR LESS.

PARCEL “F” – “AGRICULTURE (A)” EAST OF INTERSTATE HIGHWAY NO. 75
63.89 ACRES MORE OR LESS

A TRACT OF LAND SITUATED IN SECTIONS 3 AND 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCIRBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 3, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN NORTH 00°39’57” WEST, ALONG THE WEST LINE OF SAID SECTION 3, 216.77 FEET TO THE **POINT OF BEGINNING**; THENCE RUN NORTH 00°39’57” WEST, ALONG THE WEST LINE OF SAID SECTION 3, 1103.06 FEET TO THE NORTHWEST CORNER OF GOVERNMENT LOT 4 OF SAID SECTION 3; THENCE RUN NORTH 86°59’10” EAST, ALONG THE NORTH LINE OF SAID GOVERNMENT LOT 4, 1376.16 FEET TO THE NORTHEAST CORNER OF THE WEST 1/2 OF SAID GOVERNMENT LOT 4; THENCE RUN SOUTH 57°23’45” WEST, 889.69 FEET; THENCE RUN SOUTH 00°39’57” EAST, 783.39 FEET; THENCE RUN SOUTH 34°40’48” EAST, 1437.62 FEET; THENCE RUN SOUTH 13°00’52” EAST, 1869.48 FEET; THENCE RUN SOUTH 01°13’55” EAST, 1069.69 FEET; THENCE RUN SOUTH 83°13’47” WEST, 331.55 FEET TO THE NORTHEAST CORNER OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF AFOREMENTIONED SECTION 10; THENCE RUN NORTH 01°13’55” WEST, 576.44 FEET; THENCE RUN NORTH 13°00’52” WEST, 2150.78 FEET; THENCE RUN NORTH 34°40’48” WEST, 1857.79 FEET TO THE **POINT OF BEGINNING**; SAID TRACT OF LAND CONTAINING 63.89 ACRES MORE OR LESS.

PARCEL “G” – “RESIDENTIAL SINGLE FAMILY – 4 (RSF-4)” EAST OF INTERSTATE HIGHWAY NO. 75
134.50 ACRES MORE OR LESS

A TRACT OF LAND SITUATED IN SECTIONS 3, AND 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA

COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCIRBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SECTION 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN NORTH 86°59'52" EAST, ALONG THE NORTH LINE OF SAID SECTION 10, 1394.10 FEET TO THE SOUTHEAST CORNER OF THE WEST ½ OF GOVERNMENT LOT 4 OF SAID SECTION 3, AND THE **POINT OF BEGINNING**; THENCE CONTINUE NORTH 86°59'52" EAST, ALONG SAID NORTH LINE OF SECTION 10, 1393.88 FEET TO THE EAST LINE OF THE WEST ½ OF SAID SECTION 10, THENCE RUN SOUTH 01°10'34" EAST, ALONG SAID EAST LINE, 3883.86 FEET; THENCE RUN SOUTH 88°49'26" WEST, 987.56 FEET; THENCE RUN NORTH 01°13'55" WEST, 883.19 FEET; THENCE RUN NORTH 13°00'52" WEST, 1869.48 FEET; THENCE RUN NORTH 34°40'48" WEST, 1437.62 FEET; THENCE RUN NORTH 00°39'57" WEST, 783.39 FEET; THENCE RUN NORTH 57°23'45" EAST, 889.69 FEET TO THE NORTH EAST CORNER OF THE WEST 1/2 OF AFOREMENTIONED GOVERNMENT LOT 4 OF SECTION 3; THENCE RUN SOUTH 01°26'39" EAST, ALONG THE EAST LINE OF SAID WEST 1/2 OF GOVERNMENT LOT 4 OF SECTION 3, 1319.50 FEET TO THE **POINT OF BEGINNING**; SAID TRACT OF LAND CONTAINING 134.50 ACRES MORE OR LESS.

PARCEL "H" – "COMMERCIAL INTENSIVE (CI)" EAST OF INTERSTATE HIGHWAY NO. 75
40.00 ACRES MORE OR LESS

A TRACT OF LAND SITUATED IN SECTIONS 10 AND 15, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCIRBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SECTION 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN NORTH 86°59'52" EAST, ALONG THE NORTH LINE OF SAID SECTION 10, 2787.98 FEET TO THE EAST LINE OF THE WEST ½ OF SAID SECTION 10; THENCE RUN SOUTH 01°10'34" EAST, ALONG SAID EAST LINE 3883.86 FEET TO THE **POINT OF BEGINNING**; THENCE CONTINUE SOUTH 01°10'34" EAST, ALONG SAID EAST LINE AND A SOUTHERLY PROJECTION THEREOF, 1600.00 FEET TO THE NORTH RIGHT OF WAY LINE OF STATE ROAD NO. 25 (ALSO KNOWN AS U.S. HIGHWAY NO. 441); THENCE RUN NORTHWESTERLY ALONG SAID RIGHT OF WAY LINE WITH A CURVE CONCAVE SOUTHWESTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 15°06'09", A RADIUS OF 2996.79 FEET, AN ARC LENGTH OF 789.93 FEET AND A CHORD BEARING AND DISTANCE OF NORTH 71°39'28" WEST, 787.64 FEET; THENCE RUN NORTH 79°06'35" WEST, ALONG

	SAID RIGHT OF WAY LINE, 586.97 FEET TO THE INTERSECTION OF SAID RIGHT OF WAY LINE WITH THE EAST LINE OF THE SOUTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 10; THENCE RUN NORTH 01°13'35" WEST ALONG SAID EAST LINE, 995.32 FEET TO THE NORTHEAST CORNER OF SAID SOUTHWEST ¼ OF THE SOUTHWEST 1/4; THENCE RUN NORTH 83°13'47" EAST, 331.55 FEET; THENCE RUN NORTH 01°13'55" WEST, 186.50 FEET; THENCE RUN NORTH 88°49'26" EAST, 987.56 FEET TO THE **POINT OF BEGINNING**; SAID TRACT OF LAND CONTAINING 40.00 ACRES MORE OR LESS.

RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 3230894 5 PG(S)
12/9/2019 2:25 PM
BOOK 4738 PAGE 321
J.K. JESS IRBY, ESQ.
Clerk of the Court, Alachua County, Florida
ERECORDED Receipt # 924842
Doc Stamp-Mort: $0.00
Doc Stamp-Deed: $20,741.70
Intang. Tax: $0.00

PREPARED BY AND RETURN TO:
Mary A. Robison, Esquire (KDB)
Fisher, Tousey, Leas & Ball, P.A.
501 Riverside Avenue, Suite 600
Jacksonville, Florida 32202

NOTE TO CLERK: CONSIDERATION ON THIS TRANSFER IS IN THE AMOUNT OF $2,963,090.51. DOCUMENTARY STAMP TAX IN THE AMOUNT OF $20,741.70 IS BEING PAID ON THIS TRANSFER.

SPECIAL WARRANTY DEED

THIS SPECIAL WARRANTY DEED, made and entered into as of the 5th day of December, 2019, by LUTHER ACQUISITIONS, LLC, a Florida limited liability company, and MEGAHEE ENTERPRISES, LTD., LLLP, a Florida limited liability limited partnership, successor by conversion to Megahee Enterprises, Ltd., a Florida limited partnership, the address for which is 2513 S.W. 50th Boulevard, Gainesville, Florida 32608 (collectively, the "Grantors"), to TARA FOREST, LLC, a Florida limited liability company, the address for which is 7717 N.W. 20th Lane, Gainesville, Florida 32605 (the "Grantee").

W I T N E S S E T H:

THAT, for and in consideration of the sum of Ten and No/100 Dollars ($10.00), and other good and valuable consideration, the receipt and sufficiency of which are acknowledged by Grantors, Grantors hereby grant, bargain, sell, convey and confirm unto Grantee all that certain real property together with the improvements thereon (collectively, the "Real Property") in Alachua County, Florida, and more particularly described as follows:

SEE EXHIBIT "A" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

RE Nos.: 03067-001-000, 03008-000-000, 03066-002-000 and 03020-000-000

TOGETHER WITH all the tenements, hereditaments and appurtenances thereto belonging or in any way appertaining.

TO HAVE AND TO HOLD the same unto Grantee in fee simple, forever.

Subject to conditions, covenants, restrictions, reservations, easements, rights-of-way, taxes assessed subsequent to December 31, 2019, and all applicable zoning ordinances; provided, however, this reference will not serve to reimpose any such conditions, covenants, restrictions, reservations or easements.

And Grantors do hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever, claiming by, through or under Grantors, but not otherwise.

IN WITNESS WHEREOF, Grantors have caused this Special Warranty Deed to be executed on their behalf as of the day and year first above written.

LUTHER ACQUISITIONS, LLC, a Florida limited liability company

By: _____
Joan M. Jones, Manager

_____
Witness Print Name: Nancy Perry

_____
Witness Print Name: Mary A Robison

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 4th day of December, 2019, by Joan M. Jones, Manager of LUTHER ACQUISITIONS, LLC, a Florida limited liability company, on behalf of the company, who [X] is personally known to me or [ ] has produced _____ as identification.

_____
Print Name: Mary A Robison
Title: Notary Public
Serial No. (if any) GG003460
Commission Expires: 10/6/20

Notary Stamp

MARY A. ROBISON
Commission # GG 003460
Expires October 6, 2020
Bonded Thru Troy Fain Insurance 800-385-7019

Signed, sealed and delivered
in the presence of:

Witness Print Name: Nancy Perry

Witness Print Name: Mary A Robison

MEGAHEE ENTERPRISES, LTD., LLLP,
a Florida limited liability limited partnership

By: _____
Joan M. Jones
Its: General Partner

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 4th day of December, 2019, by Joan M. Jones, a General Partner of MEGAHEE ENTERPRISES, LTD., LLLP, a Florida limited liability limited partnership, on behalf of the partnership, who [X] is personally known to me or [ ] has produced _____ as identification.

Notary Stamp

MARY A. ROBISON
Commission # GG 003460
Expires October 6, 2020
Bonded Thru Troy Fain Insurance 800-385-7019

Print Name: Mary A Robison
Title: Notary Public
Serial No. (if any) GG003460
Commission Expires: 10/6/20

987932

EXHIBIT "A"

Parcel One & Part of Parcel 7:

That part of the East ½ of Section 9, Township 8 South, Range 18 East, lying North of the North right of way of U.S. Highway 441,

Less and except the North ¼ of Government Lot 2; and

Less and Except the right of way of State Road 93 a/k/a Interstate I-75; and

Less and Except that part of Government Lot 7 lying East of the East right of way of State Road 93 a/k/a Interstate I-75;

Also Less and Except the following described property:

Commence at the Southeast corner of Section 9, Township 8 South, Range 18 East, and run North 3° 37' 28" West 286.74 feet to the North right of way of Old State Road No. 25; thence North 79°23'05" West along said right of way 1055.3 feet to its intersection with the West right of way of Interstate No. 75, thence run North 4°26'55" East along said Interstate Road right of way 212.91 feet to its intersection with the South right of way of State Road No. 25 (U.S. No. 441), thence run North 79°06'35" West along said State Road right of way 306.92 feet, thence run North 1°48' 35" West 205.01 feet, thence run North 79°06'35" West 355.34 feet to the North right of way of State Road No. 24 (U.S. No. 441) and the Point of Beginning, thence run North 79° 06'35" West along said right of way 175.00 feet, thence run North 10°53'25" East 175.00 feet, thence South 79°06'35" East 349.10 feet to the Westerly right of way of Interstate Road No. 75, thence South 27°21'25" West along said right of way 38.71 feet to the p.c. of a 34° 11'20" curve, having a radius of 170.10 feet, an internal angle of 73°32' and being concave to a Northwesterly direction, thence run in a Southwesterly direction along the arc of said right of way curve a distance of 215.08 feet to the P.T. of said curve, thence South 10° 53'25" West 16.00 feet to the Point of Beginning. All being and lying in Section 9, Township 8 South, Range 18 East, Alachua County, Florida.

Also Less and Except:

Commence at the Northeast corner of Government Lot Seven (7), Section Nine (9), Township Eight (8) South, Range Eighteen (18) East, and run South 01°48'22" East, along the East line of said Government Lot Seven (7), 1677.39 feet; thence run North 79°06'35" West, 351.65 feet to the intersection with the West right of way line of Interstate Highway No. 75 and the North right of way line of U.S. Highway 441; thence run North 79°06'35" West, along said North right of way line 175.00 feet to the Point of Beginning; thence continue North 79°06'35" West along said North right of way line, 175.00 feet; thence run North 10°53'25" East, 175.00 feet; thence run South 79°06'35" East, 175.00 feet; thence run South 10°53'25" West, 175.00 feet; to the Point of Beginning.

Together with the following described lands:

The East Sixty-four and 79/100 (64.79) feet of that part of Government Lot Three (3), in Section Fifteen (15), Township Eight (8) South, Range Eighteen (18) East, lying North and East of State Roads Nos. 20 and 25, Alachua County, Florida.
And That part of Government Lot Three (3), in Section Fifteen (15), Township Eight (8) South, Range Eighteen (18) East, lying North and East of U.S. Highway 441 less the East Sixty-four and 79/100 (64.79) feet, Alachua County, Florida.
Less and Except therefrom the lands described in Official Records Book 4334, Page 1074 in favor of the City of Alachua, of the Public Records of Alachua County, Florida.

Together with the following described parcel:

The West ½ of Section 10, Township 8 South, Range 18 East, lying North of the North right of way of U.S. Highway 441, Alachua County, Florida. Less and Except the Southwest ¼ of the Southwest ¼, but including that part of the Southwest ¼ of the Southwest ¼ lying within the following described property:

Commence at the Southwest corner of Section 10, Township 8 South, Range 18 East and run North 1°48'58" West along the West line of said Section 1352.21 feet to the Point of Beginning; thence continue North 01°48'58" West along said West Section line 562.78 feet; thence run South 36°22'41" East 524.13 feet; thence run North 89°12'27" East 1039.09 feet; thence run South 38°29'43" East 109 feet, thence run South 87°09'17" West, 1401.60 feet to the West line of Section 10, Township 8 South, Range 18 East and the Point of Beginning. All being and lying in the Southwest ¼ of Section 10, Township 8 South, Range 18 East, Alachua County, Florida.

Parcel Two:

The Southwest ¼ of the Southwest ¼ of the West ½ of Lot 4, all lying and being in Section 3, Township 8 South, Range 18 East, Alachua County, Florida.

Parcel Three:

A tract of land situated in Section 10, Township 8 South, Range 18 East, Alachua County, Florida, said tract of land being more particularly described as follows:
Commence at a concrete monument at the Southwest corner of aforementioned Section 10, Township 8 South, Range 18 East for a point of reference and run North 88°24'02"East, along the South line of said Section 10, a distance of 792.27 feet; thence run North 00° 39'21" West, along the East line of the West 792.16 feet of the Southwest ¼ of the Southwest ¼ of said Section 10, a distance of 508.06 feet to a concrete monument (LS#3456) on the Northerly right of way line of State Road 20-25 a/k/a U.S. Highway 441 (200 foot right of way); thence run South 77°51'07"East, along said Northerly right of way line, a distance of 143.86 feet to a concrete monument (LS#3456) and the True Point of Beginning; thence run North 12°08'53" East, a distance of 200.00 feet to a concrete monument (LS#3456); thence run South 77°51'07"East, a distance of 59.81 feet to a concrete monument (LS#3456); thence run North 60°49'36" East, a distance of 101.29 feet to a concrete monument (LS#3456); thence run North 07°01'30" East, a distance of 70.52 feet to a concrete monument (LS#3456); thence run North 28°08'16"West, a distance of 91.36 feet to a concrete monument (LS#3456); thence run North 60°43'36" East, a distance of 367.96 feet to a concrete monument (LS#3456) on the East line of the aforementioned Southwest ¼ of the Southwest ¼ of Section 10; thence run South 00°00'26" East, along said East line, a distance of 665.16 feet to a concrete monument (LS#940) on the aforementioned Northerly right of way line; thence run North 77°51'07" West, along said Northerly right of way line, a distance of 486.49 feet to the True Point of Beginning.

Balance of Parcel 7:

The South ½ of the East ½ of Government Lot 7, in Section 4, Township 8 South, Range 18 East, Alachua County, Florida. Less and Except the right of way of State Road No. 93 a/k/a Interstate 75, and Less and Except the 66-foot access road.

ALATB15081F

John Power TAX COLLECTOR Serving Alachua County
FLORIDA STERLING AWARD RECIPIENT

2023 PAID REAL ESTATE 12766

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

ACCOUNT NUMBER	PROPERTY ADDRESS	MILLAGE CODE
03067 001 000	UNASSIGNED LOCATION RE	1700

TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

EXEMPTIONS:

SCAN TO PAY ONLINE

AD VALOREM TAXES

TAXING AUTHORITY	MILLAGE RATE	ASSESSED VALUE	EXEMPTION(S)	TAXABLE VALUE	TAXES LEVIED
COUNTY GENERAL	7.6414	101,470	0	101,470	775.37
LIBRARY GENERAL	1.0339	101,470	0	101,470	104.91
SCHOOL CAP PROJECT	1.5000	101,470	0	101,470	152.21
SCHOOL DISCRNRY & CN	0.7480	101,470	0	101,470	75.90
SCHOOL GENERAL	3.1840	101,470	0	101,470	323.08
SCHOOL VOTED	1.0000	101,470	0	101,470	101.47
CHILDREN'S TRUST	0.4612	101,470	0	101,470	46.80
SUWANNEE RIVER WATER MGT DIST	0.3113	101,470	0	101,470	31.59
CITY OF ALACHUA	5.9500	101,470	0	101,470	603.75

TOTAL MILLAGE 21.8298 AD VALOREM TAXES $2,215.08

LEGAL DESCRIPTION

W1/2 N OF HIWAY LESS S 995.32 FT OF SW 1/4 OF SW1/4)ALSO IN SEC 15-8-18 THAT PAR
See Additional Legal on Tax Roll

NON-AD VALOREM ASSESSMENTS

LEVYING AUTHORITY	UNIT	RATE	AMOUNT

NON-AD VALOREM ASSESSMENTS $0.00

PAY ONLY ONE AMOUNT.

COMBINED TAXES AND ASSESSMENTS $2,215.08

IF PAID BY	Mar 31, 2024				
PLEASE PAY	$0.00				

Please Retain this Portion for your Records. Receipt Available Online.

JOHN POWER, CFC
ALACHUA COUNTY TAX COLLECTOR

2023 PAID REAL ESTATE 12766

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

PLEASE PAY IN U.S. FUNDS TO JOHN POWER, TAX COLLECTOR • P.O. Box 44310 • Jacksonville, FL 32231-4310

ACCOUNT NUMBER	PROPERTY ADDRESS
03067 001 000	UNASSIGNED LOCATION RE

TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

PAY ONLY ONE AMOUNT

IF PAID BY	PLEASE PAY
☐ Mar 31, 2024	$0.00
☐	
☐	
☐	
☐	

WANT TO RECEIVE YOUR BILL ELECTRONICALLY NEXT YEAR? VISIT www.AlachuaCollector.com AND SIGN UP FOR E-BILLS!

Receipt # 23-0136191 $2,215.08 Paid 03/24/2024

Creative Environmental Solutions, Inc.
Geologists ▸ Engineers ▸ Environmental Scientists
700 DeSoto Avenue ● Brooksville, FL ● 34601

July 18, 2021

Christopher Potts, P.E.
Director of Engineering
JB Pro
3530 NW 43rd Street
Gainesville, FL 32606

RE: 378± Acre Tara Forest, Tara Phoenicia, and Tara Baywood Site, Alachua County Environmental Resources Assessment

Dear Christopher:

This letter report and attachments are Creative Environmental Solutions, Inc. (CES) Environmental Resources Assessment of the 378± Acre Tara Forest, Tara Phoenicia, and Tara Baywood site. The study site is in Alachua County, Florida in Sections 3 and 10, Township 8 South, Range 18 East.

The following are attachments to this report:

Figure 1: Vicinity Aerial
Figure 2: Quad Map
Figure 3: Habitat Map
Figure 4: Listed Species Map
Figure 5: Soil Map
Figures 6 and 6B: Historical Aerials
Figure 7: Wetland Delineation Map
Figure 8: Flood Map
Figure 9: Topo Map
Figure 10: Parcels Map
Figure 11: Site Photos
Figure 12: FNAI Report
Table 1: Probability of Occurrence of Listed Wildlife Species
Alachua County Environmental Resources Assessment Checklist
Literature Reviewed

CES completed the assessment of the referenced site in accordance with Alachua County Environmental Resources Assessment Checklist requirements, a copy of which is attached. Our study identified and mapped habitat communities, and the use and/or likely presence of fauna or flora species listed as endangered, threatened, or species of special concern by either federal or state agencies. The listed species study was preliminary and an overview, and was not a complete study for any one listed fauna or flora species. The report provides confirmation of the presence of listed fauna or flora species encountered and/or the likelihood of fauna and flora species occurring on the site at the time of the inspection(s), based on known habitat preferences and geographical distribution.

The site inspections were conducted on May 5, 2021, June 11, 2021 and July 12, 2021.

The following outlines the checklist and provides discussion on each issue:

HABITAT CHARACTERIZATION

Site Overview

The site abuts silvercultural property to the west, rural residential to the north, NW 140th Street (CR 241) and residential developments to the east, and US 441 and commercial developments to the south. Based on Figures 6 and 6B and the site inspections, the site has been historically used for silvercultural and agricultural uses for many years (80 year at least). A habitable house and two old barns exist on the site. Most of the site was in planted pines before timbering took place between 2014 and 2019.

Land Covers

Eight (8) land covers were identified within the study site in accordance with the Florida Land Cover Classification System (FLCCS), (Sept. 2018). These land covers are delineated on Figure 3.

These land covers were:

CLC Class[1]	Habitat Type	Ac.
1110	Upland Hardwood Forest	32.0
1400	Mixed Hardwood-Pine	21.0
1831	Rural Open	14.0
1832	Rural Structure (Driveway, House, Barn)	12.0
1870	Extractive (Clay Pit)	3.8
2123	Floodplain Marsh	0.2
183312	Former Hay Field (Old-field Successive)	70.0
183332	Coniferous Plantations (Clear-cut)	225.0
	Total	378.0

Surface Waters (ponds, lakes, streams, springs, etc.)

No surface waters exist on the site, although a small (0.2± acre) floodplain marsh (see Photo 6) encroaches the site along its west boundary. This marsh is further discussed in the Wetlands portion of the report below.

Wetlands

2123: Floodplain Marsh

A small portion (0.2± acre) of a floodplain marsh (see Photo 6) encroaches the site along its west boundary. This area was disturbed from recent logging activities. This area is a portion of a larger marsh system created by tail-waters from a nearby creek (Mill Creek) west of the site.

Dominant vegetation in the onsite and offsite portions of this area consisted of Bahiagrass (*Paspalum notatum*) stressed from recent water inundation, buttonweed *(Diodia virginiana*), flatsedge (*Cyperus haspan*), smartweed (*Polygonum punctatum*), maidencane (*Panicum hemitomon*), dog fennel (*Eupatorium spp.*) and soft-rush (*Juncus effusus*). CES flagged the wetland lines on the project site per Chapter 62-340, Florida Administrative Code. Onsite and adjacent wetland delineations are shown on Figure 7.

Uplands

1110: Upland Hardwood Forest

Dominant trees in this area consisted of laurel oak (*Quercus laurifolia*), live oak (*Quercus virginiana*), sweet gum (*Liquidambar styraciflua*), black cherry(*Prunus serotina*), water oak (*Quercus nigra*), and

magnolia (*Magnolia grandifolia*). Green briar (*Smilax spp*.), grapevine (*Vitis spp.*), and beautybush (*Callicarpa americana*), Carolina cherry laurel (*Prunus caroliniana*), and hog plum (*Prunus umbellata*) were dominant ground and shrub cover species.

1400: Mixed Hardwood-Pine
Dominant trees in this area consisted of loblolly pine (*Pinus taeda*), laurel oak, live oak, sweet gum, black cherry, water oak and magnolia. Green briar, grapevine, and beautybush were dominant ground and shrub cover species.

1831: Rural Open
This area was disturbed from past land uses. The vegetation was dense ground cover mainly consisting of Bahiagrass, blackberry, grapevine, hairy indigo (*Indigofera hirsuta*), showy rattlebox (*Crotalaria spectabilis*), ragweed (*Ambrosia artemisiifolia*), beggarticks (*Bidens alba*) and broomsedge (*Andropogon spp.*).

1832: Rural Structure (Driveway, House, Barn)
A house and an old barn are in this area. Vegetation in the open areas mainly consisted of laurel oak, live oak and Bahiagrass. A potable well and septic system are within this area.

1870: Extractive (Clay Pit)
A 3.8± acre apparent clay pit was observed in the southeast portion of the site. Based on Figures 6 and 6B, the pit was excavated in 2007 for construction material for adjacent residential and commercial (Lowes) developments.

434: Upland Hardwood-Pine Mixed
Dominant trees in this area consisted of sweet gum, laurel oak, water oak, live oak, loblolly pine and magnolia (*Magnolia grandifolia*). Saw palmetto (*Serenoa repens*), green briar (*Smilax spp*.), grapevine, and beautybush (*Callicarpa americana*) were dominant ground and shrub cover species.

183312: Former Hay Field (Old-field Successive)
Two former apparent hay field areas were noted on the site. It appeared, based on Figures 6 and 6B and the site inspections, these areas have been out of use since approximately 2018. Dominant vegetation in this area consisted of Bahiagrass, Bernudagrass, dog fennel, blackberry, and beggertick.

183332: Coniferous Plantations (Clear-cut)
This land cover made up the major portion of the site. Based on Figures 6 and 6B and the site inspections, clear-cutting of this land cover type occurred between 2014 and 2019. This area is very disturbed with a dense dominant vegetative cover of catbriar, dog fennel, grapevine, and groundsel tree (*Baccharis halimifolia*) as well as sweet gum, laurel oak, blackcherry, Chinese tallow (*Sapium sebiferum*), and Chinaberry (*Melia azedarach*) saplings.

Non-native Invasive Species
Our inspection included identifying and estimating percent coverage non-native invasive plants species listed by the Florida Exotic Pest Plant Council (FLEPPC). A copy of the list can be found at:

http://www.fleppc.org/list/list.htm

The following defines Categories I and II per FLEPPC:

CATEGORY I
Invasive exotics that are altering native plant communities by displacing native species, changing community structures or ecological functions, or hybridizing with natives.

CATEGORY II
Invasive exotics that have increased in abundance or frequency but have not yet altered Florida plant communities to the extent shown by Category I species.

The following is a list of non-native plants observed on the site and FLEPPC Category designation:

Non-native Invasive Plants Observed on the Site			
Common Name	**Latin Name**	**Listed**	**Comment**
Chinaberry	*Melia azedarach*	II	Found scattered within clear-cut area. Estimated Coverage: <2%)
Air-potato	*Dioscorea bulbifera*	I	Found scattered throughout the site. Estimated Coverage: <3%)
Silktree	*Albizia julibrissin*	I	Found scattered throughout the site. Estimated Coverage: <1%)
Chinese tallow	*Sapium sebiferum*	I	Found scattered within clear-cut area. Estimated Coverage: <1%)
*Listed by the FLEPPC I = Category I, II Category II, NL = Not Listed			

Surface Water or Wetland Buffers
Surface water and wetland buffers will be established in accordance with county and state regulations.

Floodplains (100-year)
According to a Alachua County Department of Growth Management Wetlands and Floodplains map (Figure 8), floodplain exist along the western boundary of the site and in the souther portion of the site.

Special Area Study Resource Protection Areas (Cross Creek, Idylwild/Serenola, etc)
The site is not within or near a Special Area Study Resource Protection Area.

Strategic Ecosystems (within or adjacent to mapped areas)
The site is not within or adjacent to a Strategic Ecosystem.

Significant Habitat (biologically diverse natural areas)
The site is not within or adjacent to Significant Habitat (biologically diverse natural areas).

Listed Species/Listed Species Habitats (FNAI S1, S2, & S3; State or Federally E, T, SSC)

No listed species except gopher tortoises (GT) were observed on the site. Based on our sample survey of potential onsite GT habitats, we estimate 6.8 (7) GTs inhabit the site. Figure 4 summarizes the gopher tortoise survey on the site. A copy of a FNAI report is attached. A table listing the estimated probability of occurrence with comments of the listed fauna species is attached as Table 1.

Recreation/Conservation/Preservation Lands
The site is not within or adjacent to Recreation/Conservation/Preservation Lands.

Significant Geological Features (caves, springs, sinkholes, etc.)
No Significant Geological Features (caves, springs, sinkholes, etc.) were observed on the site. A sinkhole was observed adjacent to the southwest corner of the site. Figure 3 shows the location of the sinkhole.

High Aquifer Recharge Areas
According to a Alachua County Aquifer Recharge Area map, the site is within a "Perforated" zone. No surface features indicating a direct connection to the Floridan aquifer were observed on the site during the inspections.

Wellfield Protection Areas
The site is not within a Wellfield Protection Area.

Wells
A residential or private well exists on the site adjacent to the house. A septic system also exists in this area.

Soils
The following table summarizes onsite soil series, acreage and percentage of each soils series on the site, and their descriptions:

Soil I.D.	Name	Ac.	Description
3	Arredondo fine sand, 0 to 5% slopes	108.3	Well Drained, WT: >80"
5	Ft Meade fine sand, 0 to 5% slopes	31.5	Well Drained, WT: >80"
8	Millhopper sand, 0 to 5% slopes	27.8	Moderately Well Drained, WT: 42-72"
29	Lochloosa fine sand, 2 to 5% slopes	21.2	Somewhat Well Drained, WT: 18-42"
30	Kendrick sand, 2 to 5% slopes	15.7	Well Drained, WT: >80"
33	Norfolk loamy fs, 2 to 5% slopes	14.9	Well Drained, WT: 42-72"
35	Gainesville sand, 0 to 2% slopes	24.0	Well Drained, WT: >80"
38	Pits and Dumps	19.9	NA
69	Arredondo fine sand, 5 to 8% slopes	15.9	Well Drained, WT: >80"
72	Lochloosa fine sand, 2 to 5% slopes	25.1	Somewhat Well Drained, WT: 18-42"
73	Kendrick sand, 5 to 8% slopes	40.2	Well Drained, Water Table: >80"
74	Blichton sand, 2 to 5% slopes	0.8	Well Drained, Water Table: >80"
76	Bivans sand, 5 to 8% slopes	9.4	Somewhat Well Drained, WT: 18-42"
78	Norfolk loamy fs, 5 to 8% slopes	23.3	Well Drained, WT: 42-72"

A soil map is attached as Figure 5.

Mineral Resource Areas
According to Alachua County Comprehensive Plan, the site is not within a mineral resource area.

Topography/Steep Slopes
According to a Alachua County Department of Growth Management topographical map (Figure 9) at 2 foot intervals, elevations on the site range from approximately 162 feet in the northeastern portion of the site to 45 feet in the southwestern portion of the site. Based on Figure 9, the general flow of surface waters on the site would be to the west and southwest towards Mill Creek.

Historical and Paleontological Resources
No cultural sites or other historical/archaeological resources are recorded on or immediately adjacent to this property. No evidence was observed of human burials, middens, old building sites or other evidence that historical or archaeological sites exist on the site.

Hazardous Materials Storage Facilities and Contamination (soil, surface water, ground water)
No evidence was observed of hazardous material storage or facilities exist or existed on the site. Based on historical aerial review, no red-flag warnings of the site being used for hazardous material storage, production, or use was discerned. Copies of historical aerials is attached as Figures 6 and 6B. No evidence of contaminated soils, surface water, or groundwater was observed during the site inspection.

We appreciate the opportunity to provide our services. If you have any questions, please contact me.

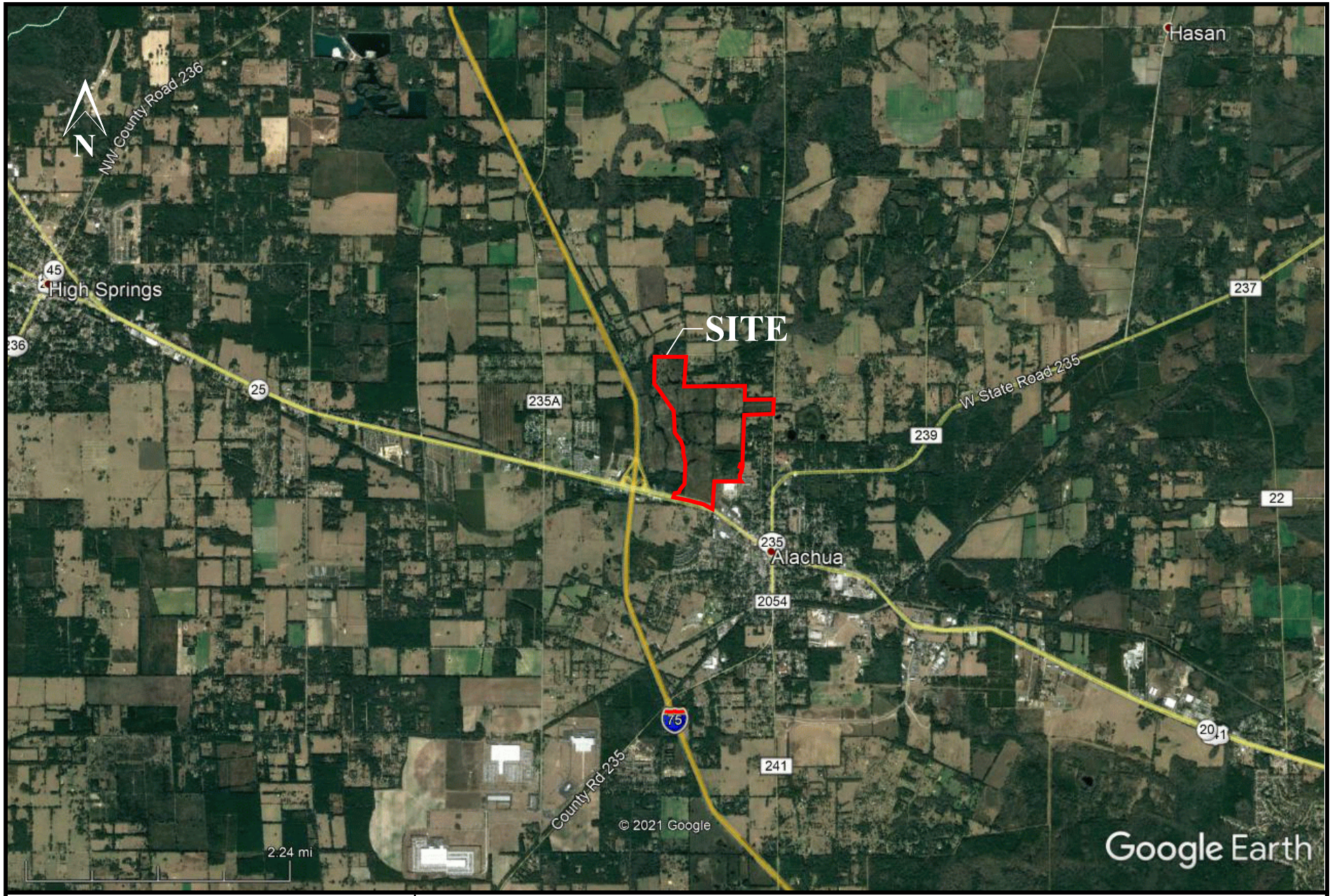
Sincerely,



George Foster
President

Tel: 352.796.3374 ● Fax: 352.796.2449
info@creativeenvironmental.com

Figures



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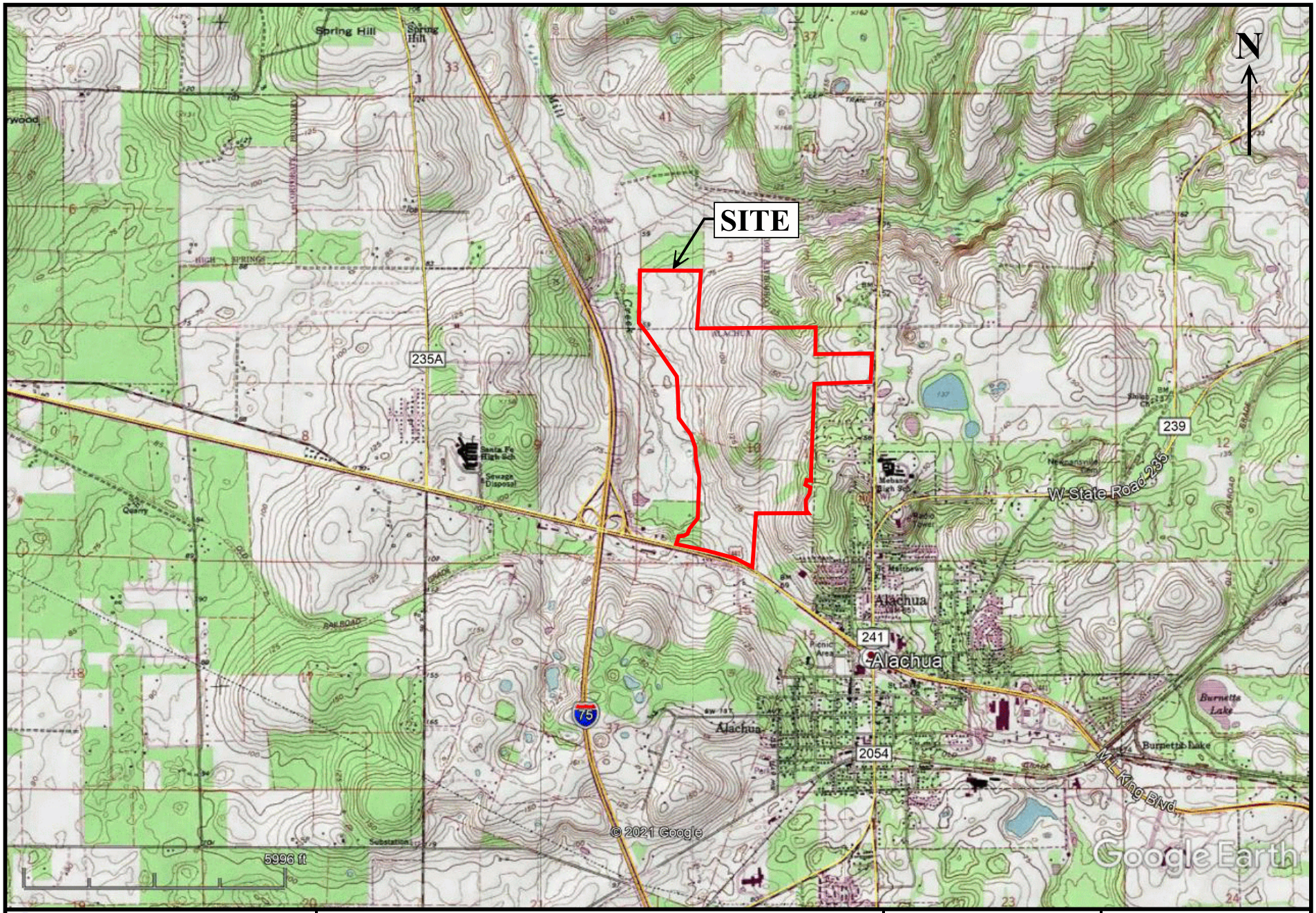
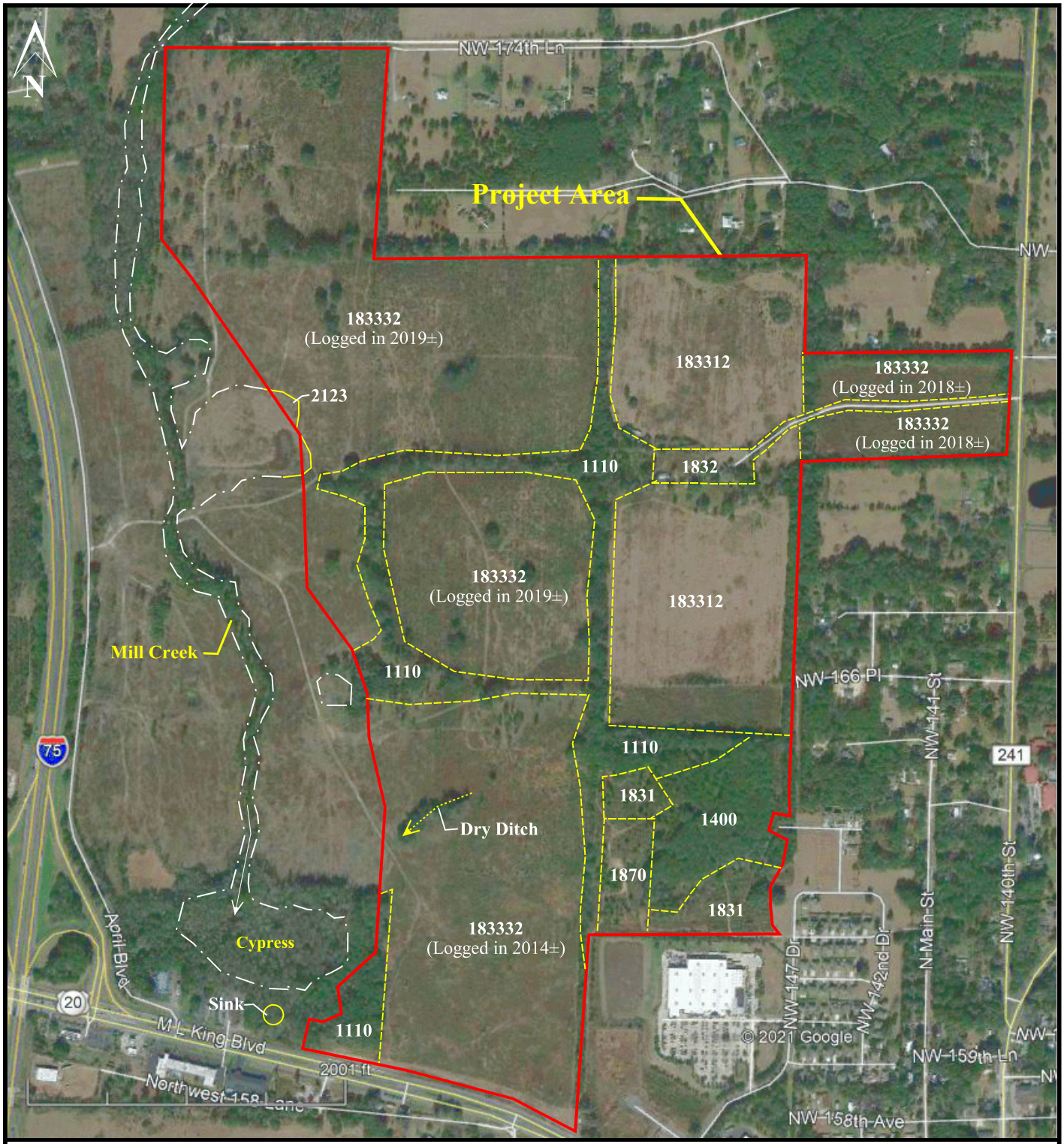
Alachua County

Figure 1: Vicinity Aerial



Creative Environmental Solutions, Inc. Engineers, Environmental Scientists, and Geologists 700 Desoto Ave., Brooksville, FL 34601	*378± Acre Tara Forest, Tara Phoenicia, and Tara Baywood Site* **Alachua County**	**High Springs and Alachua, Fla Quad Maps**	**Figure 2: Quad Map** Sec 3 & 10 , T8-S, R-18E



CLC	Class[1]	Habitat Type	Ac.
1110		Upland Hardwood Forest	32.0
1400		Mixed Hardwood-Pine	21.0
1831		Rural Open	14.0
1832		Rural Structure (Driveway, House, Barn)	12.0
1870		Extractive (Clay Pit)	3.8
2123		Floodplain Marsh	0.2
183312		Former Hay Field (Old-field Successive)	70.0
183332		Coniferous Plantations (Clear-cut 2014-19)	225.0
		Total	378.0

LEGEND

CLC Code

Habitat Delineation

Flagged Wetland Line

Offsite Wetland Line

1. The Florida Cooperative Land Cover Map, (Sept. 2018)

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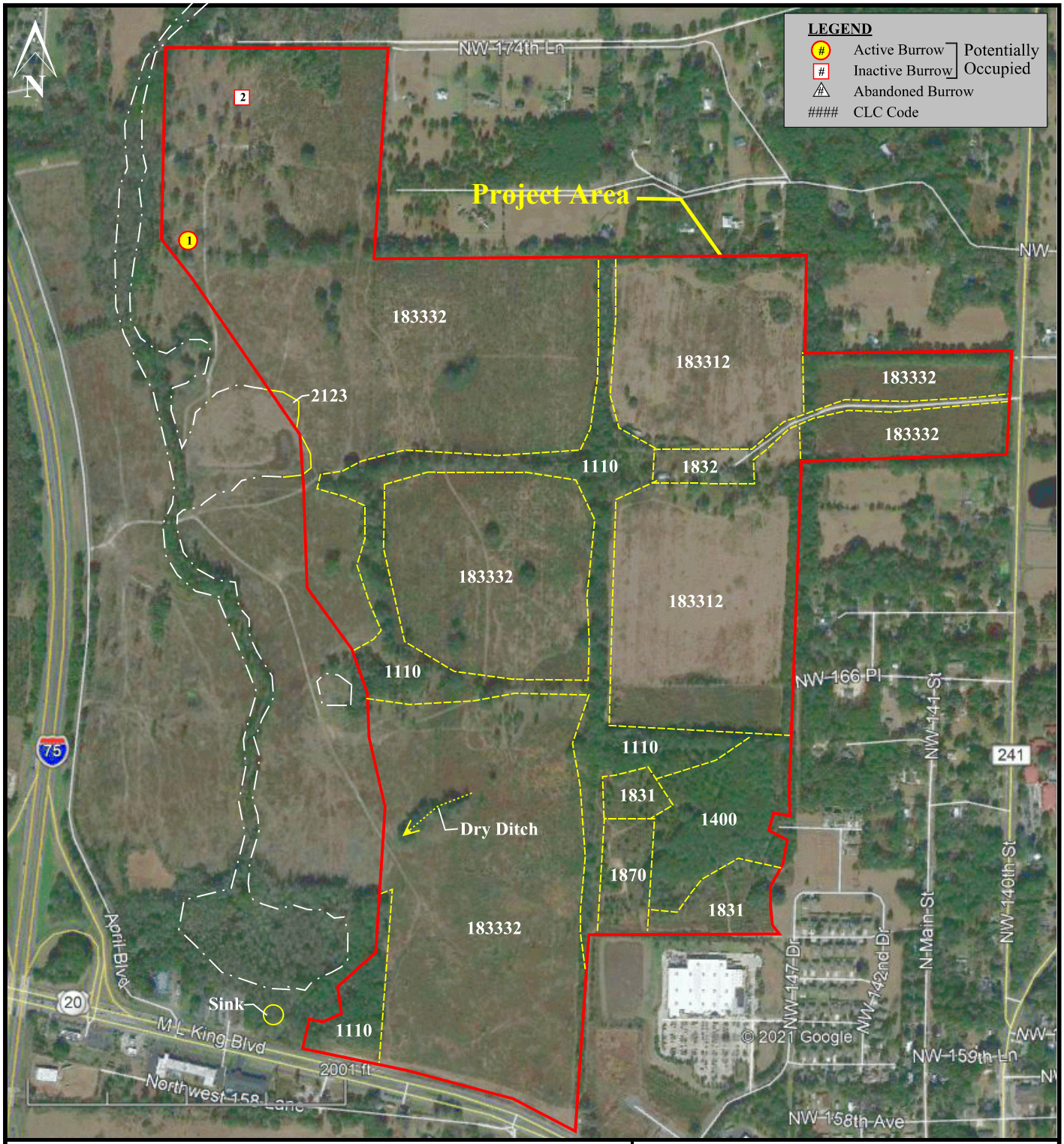
Figure: 3 Habitat Map
Image Date: 1/18/21



GOPHER TORTOISE SURVEY RESULTS

CLC	Class[1]	Habitat Type	Ac.	%Cover	Sample Ac	POB[2]	GTs[3]	GT/Ac	GTs[4]
1110		Upland Hardwood Forest	32.0	15	4.8	0	0	0	0
1400		Mixed Hardwood-Pine	21.0	15	3.2	0	0	0	0
1831		Rural Open	14.0	15	2.1	0	0	0	0
1832		Rural Structure	12.0	100	12.0	0	0	0	0
1870		Extractive (Clay Pit)	3.8	100	3.8	0	0	0	0
2123		Floodplain Marsh	0.2	0	0	0	0	0	0
183312		Former Hay Field	70.0	15	10.5	0	0	0	0
183332		Coniferous Plantations	225.0	15	33.8	2	1	0.03	6.8
		Total	378.0	NA	NA	NA	NA	NA	6.8

Survey Summary:
The site was inspected on 5/521, 6/11/21, and 7/12/21. No listed species except gopher tortoises (GT) were observed on the site. Based on our sample survey (see table) of potential onsite GT habitat, we estimate 6.8 (≈7) GTs inhabit the site.

Table Footnotes:
1. The Florida Cooperative Land Cover Map, (Sept. 2018)
2. Potentially Occupied Burrow (Active and Inactive Burrows)
3. PO Burrows X 0.5 = Estimated GTs
4. Estimated Number of GTs Extrapolated Over Habitat

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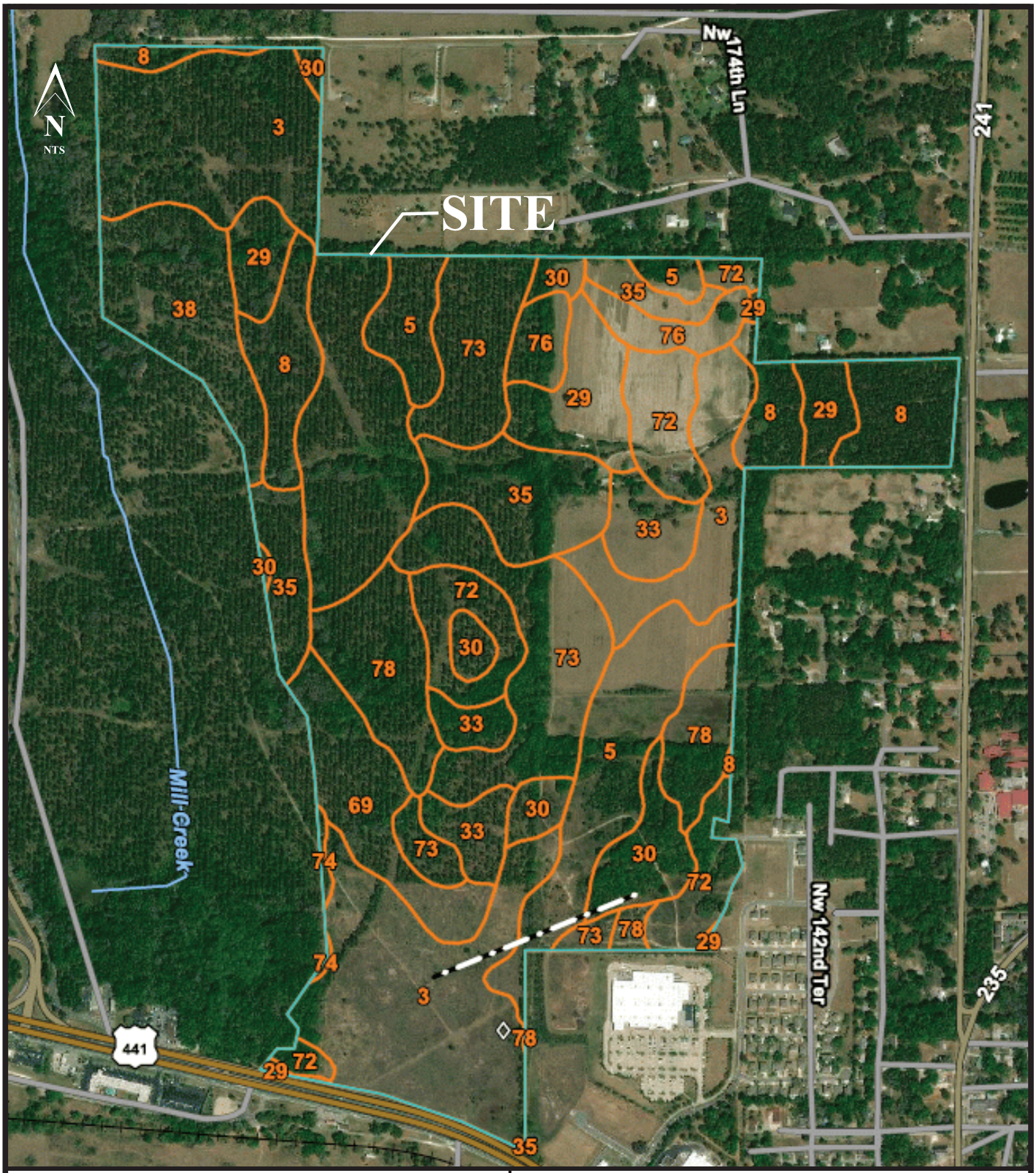
Figure: 4 Listed Species Map
Image Date: 1/18/21



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5	Ft Meade fine sand, 0 to 5% slopes	31.5	Well Drained, WT: >80"
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35	Gainesville sand, 0 to 2% slopes	24.0	Well Drained, WT: >80"
38	Pits and Dumps	19.9	NA

Soil I.D.	Name	Ac.	Description
69	Arredondo fine sand, 5 to 8% slopes	15.9	Well Drained, WT: >80"
72	Lochloosa fine sand, 2 to 5% slopes	25.1	Somewhat Well Drained, WT: 18-42"
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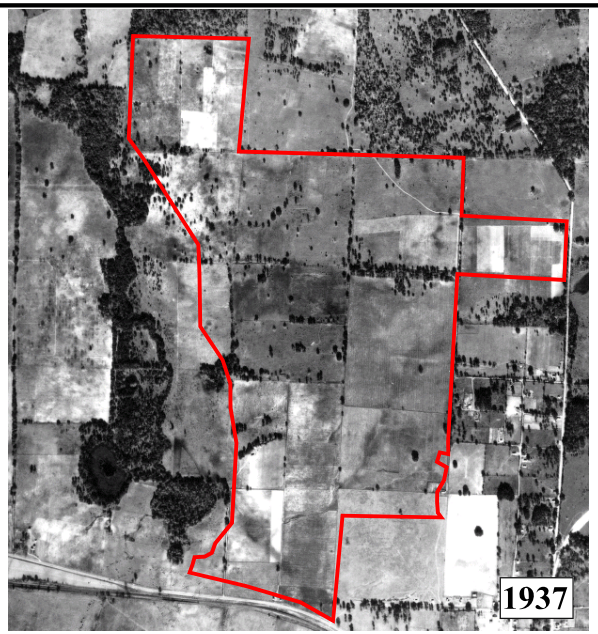
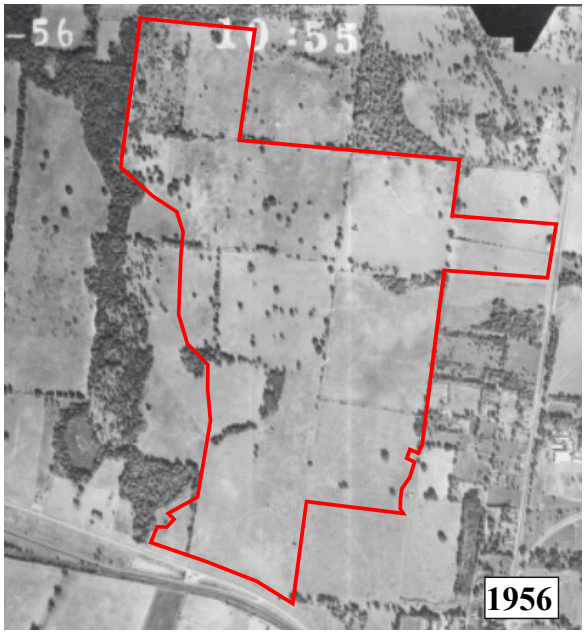
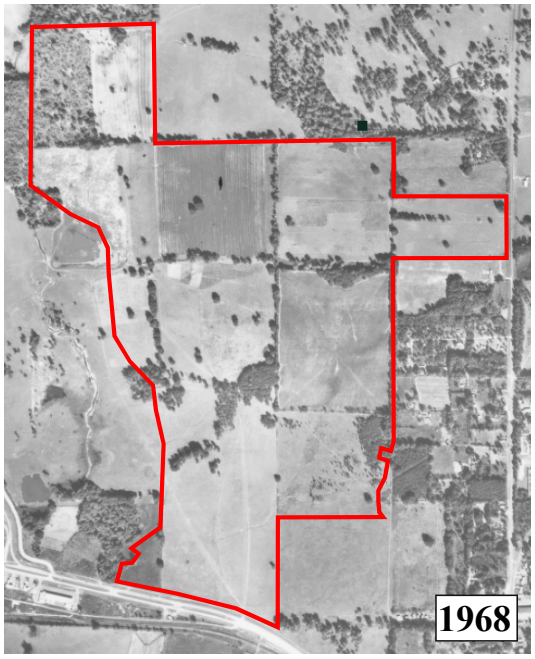
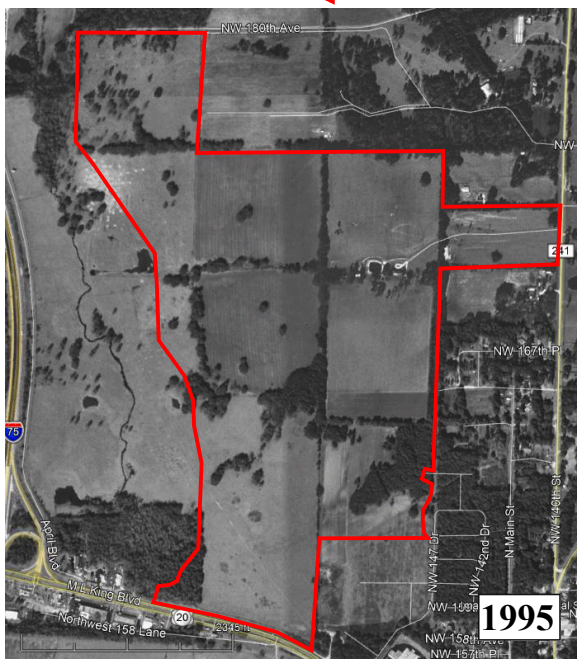
Figure 5: Soil Map
From USDA Web Soil Survey
http://websoilsurvey.nrcs.usda.gov











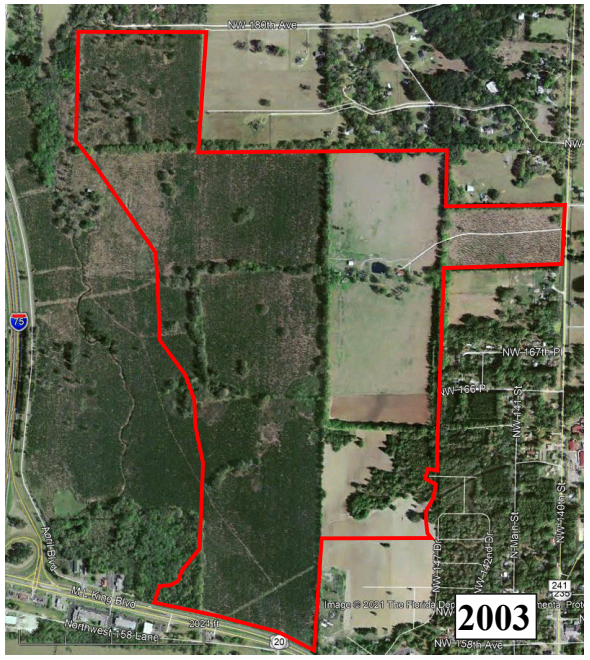


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Figure: 6 Historical Aerials
Images From: The University of Florida Map & Digital Imagery Library and Google Earth

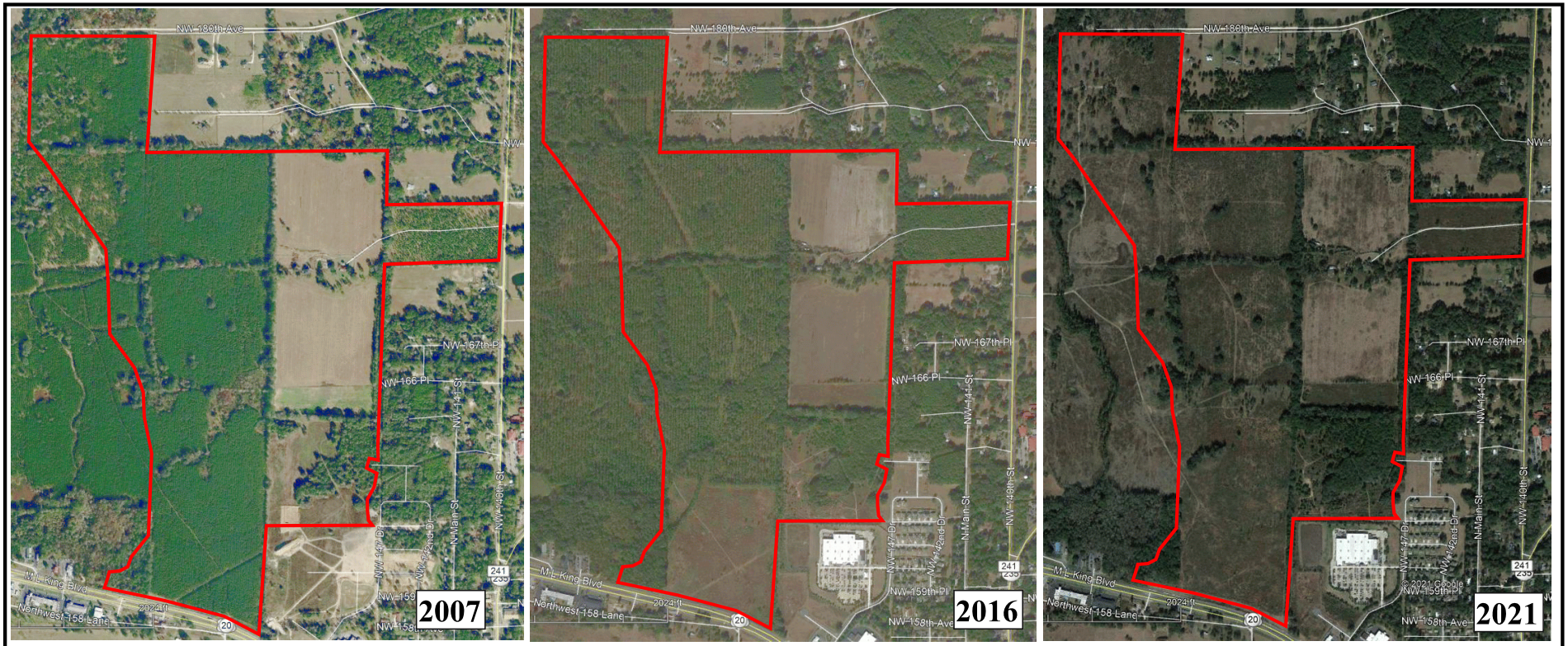

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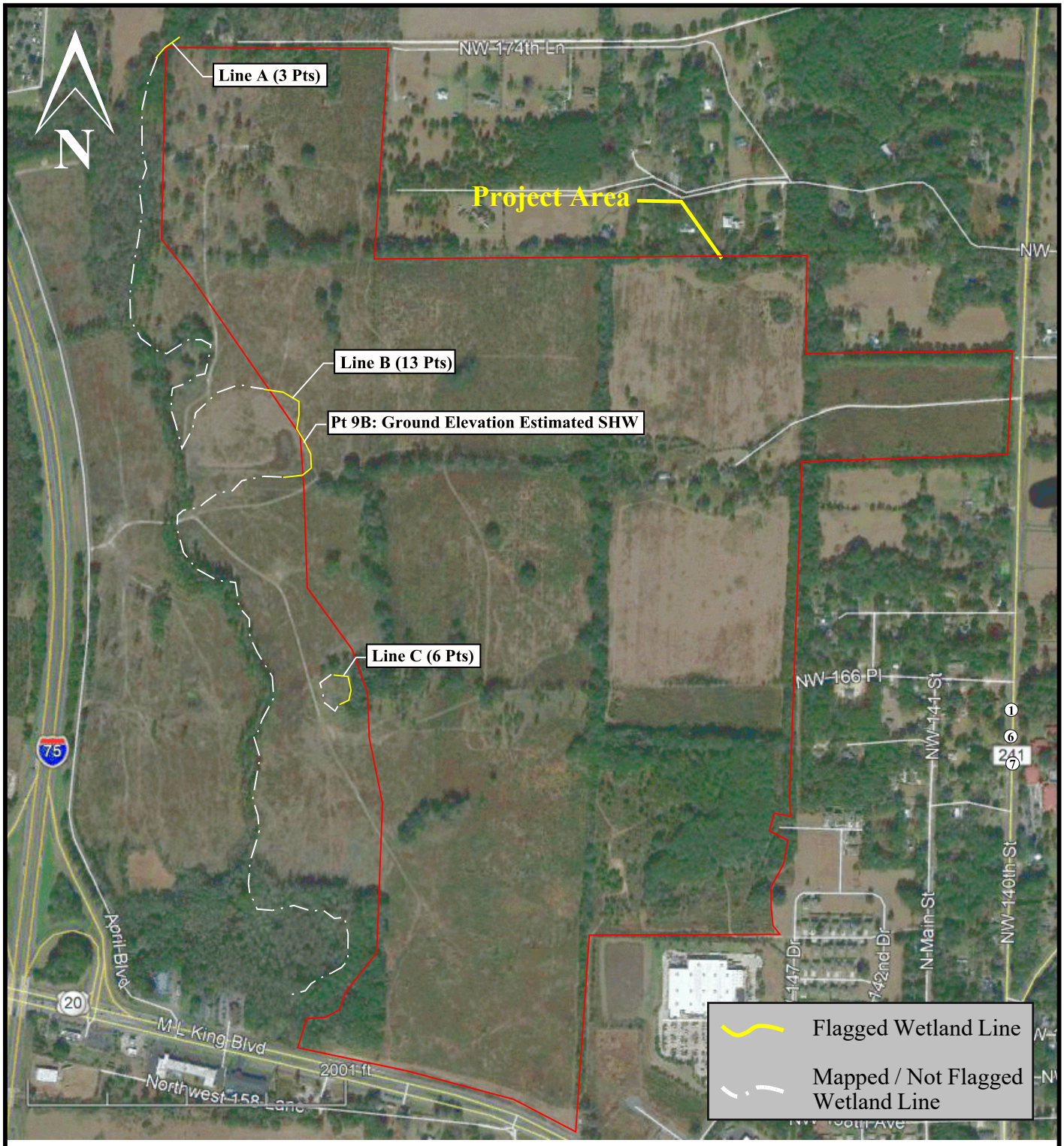
Figure: 6B Historical Aerials
Images From: The University of Florida Map & Digital Imagery Library and Google Earth



Wetland Delineation Notes:
Wetland lines were delineated on 6/11/21. The wetland lines were marked with orange ribbons.

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Figure 7: Wetland Delineation Map
Image Date: 1/18/21

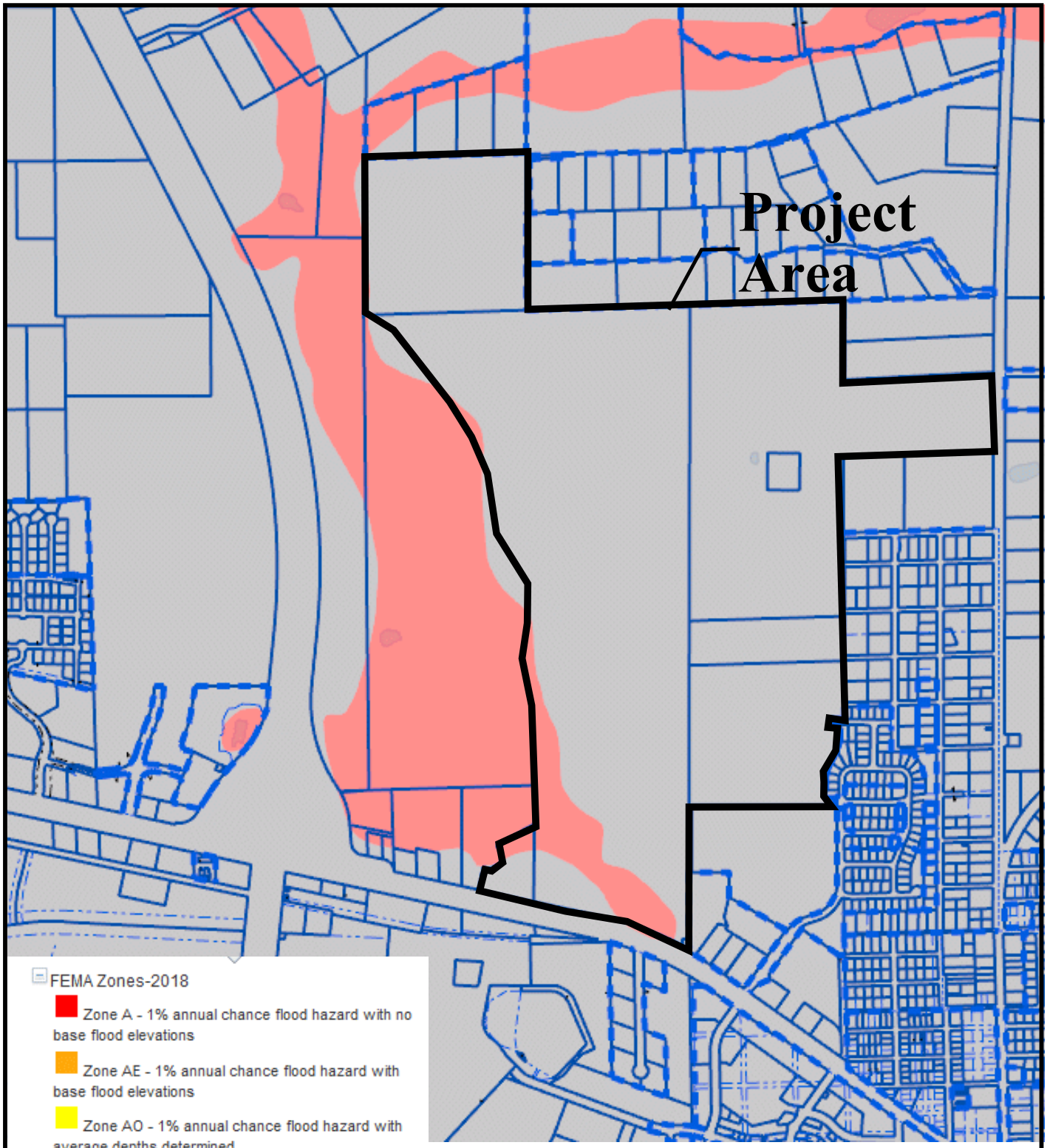

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Figure 8: Flood Map

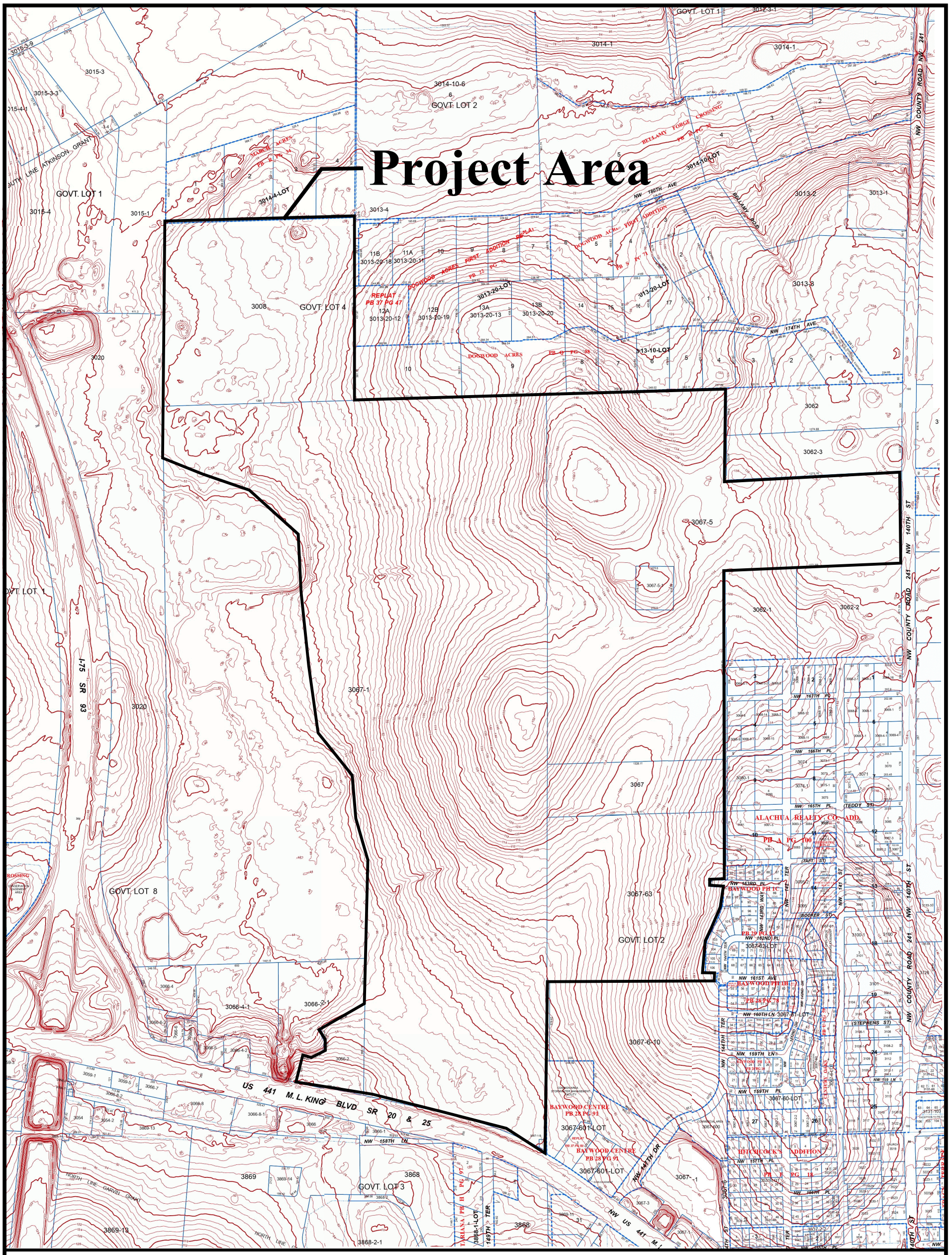

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Figure 9: Topo Map
Composite From Alachua County Property Appraiser Website

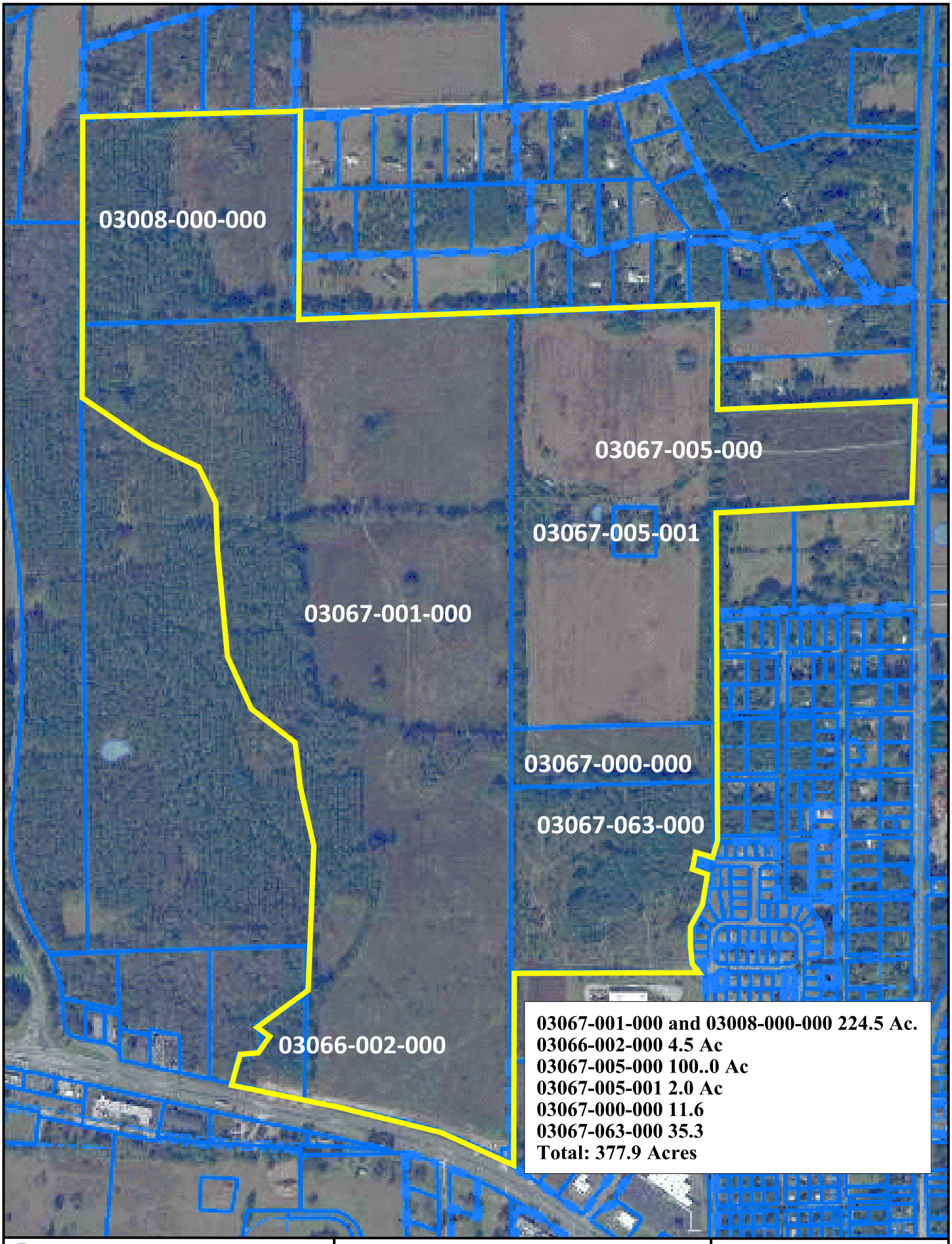

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Figure 10: Parcels Map



1.Typical upland onsite hardwood forest



2. Typical former onsite hay field



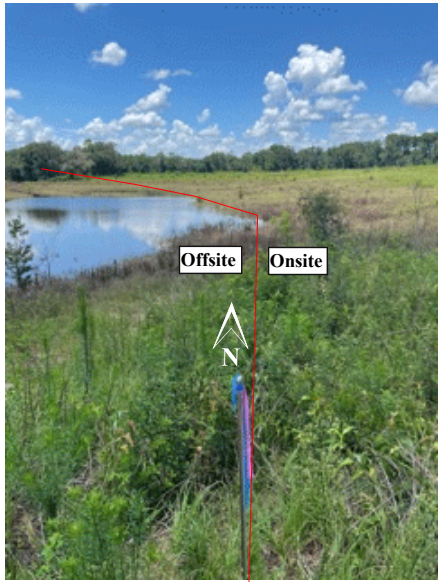
3. Typical onsite clear-cut planted pine habitat with successive hardwood species



4. Typical onsite clear-cut pine habitat



5. Offsite clear-cut pine floodplain to west of site



6. Where floodplain marsh encroaches site.



7. Typical former onsite hay field



8. An onsite bush-hog trail through clear-cut planted pine habitat

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Figure: 11 Site Photos

Imagte Date: 7/12/21

Table 1: Probability of Occurrence of Listed Wildlife Species

Common Name	Scientific Name	Status FWC/USFWS[1]	Estimated Probability of Occurrence			Comments
			Observed	Possible	Unlikely	
BIRDS						
Little Blue Heron	*Egretta caerulea*	SSC/---		X		Feeding habitat present in wetlands. Not typical nesting habitat (estuarine)
Tricolored Heron	*Egretta tricolor*	SSC/---		X		Feeding habitat present in wetlands. Nesting usually occurs February through April. No shrub wetlands onsite, preferred nesting habitat.
FL. Sandhill Crane	*Grus canadensis pratensis*	T/--		X		Feeding habitat present in wetlands. Nesting usually occurs January through May. No nests observed. No marsh onsite, preferred nesting habitat. Lake Lona water levels probably fluctuates too much for nesting.
Wood Stork	*Mycteria americanca*	E/E		X		Feeding habitat present in wetlands. Wetland areas not for nesting, prefer cypress and mangrove. Nesting usually occurs November through April.
Southeastern Amer. Kestrel	*Falco sparverius paulus*	T/--		X		The open areas (hay field and timbered pine areas) could provide habitat for this species. No kestrels or potential nest sites were observed on or adjacent the site.
Bald Eagle	*Haliaeetus leucocephalus*	NL/NL		X		Potential nesting and feeding habitat present. No nest observed. Closest recorded eagle nest is over 3 miles from the site.
MAMMALS						
Sherman's Fox Squirrel	*Sciurus niger shermani*	SSC/--		X		Somewhat preferred habitat present. None observed.
REPTILES						
Eastern Indigo Snake	*Drymarchon corais couperi*	T/T		X		Potential habitat present, gopher tortoise burrows present, a known retreat. Reclusive.
Gopher Tortoise	*Gopherus polyphemus*	T/--	X			Tortoise burrows noted onsite.
Florida Pine Snake	*Pituophis melanoleucus m.*	SSC/--		X		Marginal onsite habitat. Pocket gopher activity noted onsite, a preferred prey.
Short-tailed Snake	*Stilosoma extenuatum*	T/--		X		Possible habitat present. Reclusive and little known snake.
AMPHIBIANS						
Florida Gopher Frog	*Rana capito aesopus*	SSC/--		X		Tortoise burrows onsite, known preferred dwelling. None seen at entrances.

1. FWC = Florida Fish & Wildlife Conservation Commission; USFWS = United States Fish and Wildlife Service; E = Endangered; T = Threatened; T(S/A) = Similarity of Appearance; T(E/P) = Threatened (Experimental Population; SSC = Species of Special Concern, NL = Not listed / de-listed, but protected.

Fig 12 FNAI Biodiversity Matrix

1018 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
850-224-8207
850-681-9364 fax
www.fnai.org

Florida Natural Areas Inventory

Biodiversity Matrix Query Results

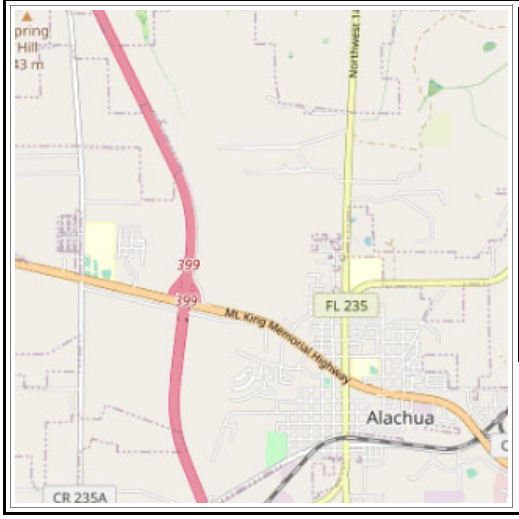
UNOFFICIAL REPORT

Created 7/18/2021

(Contact the FNAI Data Services Coordinator at 850.224.8207 or kbrinegar@fnai.fsu.edu for information on an official Standard Data Report)

NOTE: The Biodiversity Matrix includes only rare species and natural communities tracked by FNAI.

Report for 2 Matrix Units: 24587 , 24588



Descriptions

DOCUMENTED - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit.

DOCUMENTED-HISTORIC - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit; however the occurrence has not been observed/reported within the last twenty years.

LIKELY - The species or community is *known* to occur in this vicinity, and is considered likely within this Matrix Unit because:

1. documented occurrence overlaps this and adjacent Matrix Units, but the documentation isn't precise enough to indicate which of those Units the species or community is actually located in; *or*
2. there is a documented occurrence in the vicinity and there is suitable habitat for that species or community within this Matrix Unit.

POTENTIAL - This Matrix Unit lies within the known or predicted range of the species or community based on expert knowledge and environmental variables such as climate, soils, topography, and landcover.

Matrix Unit ID: 24587

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

3 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Drymarchon couperi Eastern Indigo Snake	G3	S3	LT	FT
Mycteria americana Wood Stork	G4	S2	LT	FT
Upland hardwood forest	G5	S3	N	N

Matrix Unit ID: 24588

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

2 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Drymarchon couperi Eastern Indigo Snake	G3	S3	LT	FT
Upland hardwood forest	G5	S3	N	N

Matrix Unit IDs: 24587 , 24588

27 **Potential** Elements Common to Any of the 2 Matrix Units

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Agrimonia incisa Incised Groove-bur	G3	S2	N	T
Aquatic cave	G3	S3	N	N
Asplenium heteroresiliens Wagner's Spleenwort	GNA	S1	N	N
Asplenium plenum Ruffled Spleenwort	G1Q	S1	N	N
Asplenium x curtissii Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana Florida Burrowing Owl	G4T3	S3	N	SSC

Calopogon multiflorus Many-flowered Grass-pink	G2G3	S2S3	N	T
Gopherus polyphemus Gopher Tortoise	G3	S3	C	ST
Grus canadensis pratensis Florida Sandhill Crane	G5T2T3	S2S3	N	ST
Hartwrightia floridana Hartwrightia	G2	S2	N	T
Hydroptila wakulla Wakulla Springs Vari-colored Microcaddisfly	G2	S2	N	N
Lampropeltis extenuata Short-tailed Snake	G3	S3	N	ST
Lithobates capito Gopher Frog	G3	S3	N	SSC
Litsea aestivalis Pondspice	G3?	S2	N	E
Matelea floridana Florida Spiny-pod	G2	S2	N	E
Melanoplus querneus Larger Sandhill Grasshopper	G2G3	S2S3	N	N
Myotis austroriparius Southeastern Bat	G3G4	S3	N	N
Neofiber alleni Round-tailed Muskrat	G3	S3	N	N
Peucaea aestivalis Bachman's Sparrow	G3	S3	N	N
Pituophis melanoleucus mugitus Florida Pine Snake	G4T3	S3	N	SSC
Podomys floridanus Florida Mouse	G3	S3	N	SSC
Procambarus pallidus Pallid Cave Crayfish	G2G3	S2S3	N	N
Pycnanthemum floridanum Florida Mountain-mint	G3	S3	N	T
Salix floridana Florida Willow	G2	S2	N	E
Sciurus niger shermani Sherman's Fox Squirrel	G5T3	S3	N	SSC
Sideroxylon alachuense Silver Buckthorn	G1	S1	N	E
Ursus americanus floridanus Florida Black Bear	G5T2	S2	N	N

Disclaimer

The data maintained by the Florida Natural Areas Inventory represent the single most comprehensive source of information available on the locations of rare species and other significant ecological resources statewide. However, the data are not always based on comprehensive or site-specific field surveys. Therefore, this information should not be regarded as a final statement on the biological resources of the site being considered, nor should it be substituted for on-site surveys. FNAI shall not be held liable for the accuracy and completeness of these data, or opinions or conclusions drawn from these data. FNAI is not inviting reliance on these data. Inventory data are designed for the purposes of conservation planning and scientific research and are not intended for use as the primary criteria for regulatory decisions.

Unofficial Report

These results are considered unofficial. FNAI offers a Standard Data Request option for those needing certifiable data.

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Environmental Resources Assessment Checklist

Alachua County Board of County Commissioners
Department of Growth Management

10 SW 2nd Ave., Gainesville, FL 32601
Website: https://growth-management.alachuacounty.us

Submit application to: **Development Review**
Tel. 352.374.5249
Email: developmentreview@alachuacounty.us

ENVIRONMENTAL RESOURCES ASSESSMENT CHECKLIST

Pursuant to Alachua County Comprehensive Plan 2002, as amended, Conservation Open Space Element Policy 3.4.1, applications for land use change, zoning change, and development approval shall be required to submit an inventory of natural resource information. The inventory shall include site specific identification, analysis and mapping of each resource present on or adjacent to the site. The identification and analysis shall indicate information sources consulted.

Natural Resources Checklist:
Check "Yes" for each resource or resource characteristic identified and discuss and provide supporting material.
Check "N/A" for each resource or resource characteristic not present or otherwise relevant to the application.

Yes	☐	N/A	☒	Surface Waters (ponds, lakes, streams, springs, etc.)
Yes	☒	N/A	☐	Wetlands
Yes	☒	N/A	☐	Surface Water or Wetland Buffers
Yes	☒	N/A	☐	Floodplains (100-year)
Yes	☐	N/A	☒	Special Area Study Resource Protection Areas (Cross Creek, Idylwild/Serenola, etc.)
Yes	☐	N/A	☒	Strategic Ecosystems (within or adjacent to mapped areas)
Yes	☐	N/A	☒	Significant Habitat (biologically diverse natural areas)
Yes	☒	N/A	☐	Listed Species/Listed Species Habitats (FNAI S1, S2, & S3; State or Federally E, T, SSC)
Yes	☒	N/A	☐	Non-native Invasive Species
Yes	☐	N/A	☒	Recreation/Conservation/Preservation Lands
Yes	☐	N/A	☒	Significant Geological Features (caves, springs, sinkholes, etc.)
Yes	☒	N/A	☐	High Aquifer Recharge Areas
Yes	☐	N/A	☒	Wellfield Protection Areas
Yes	☒	N/A	☐	Wells
Yes	☒	N/A	☐	Soils
Yes	☐	N/A	☒	Mineral Resources Areas
Yes	☐	N/A	☒	Topography/Steep Slopes
Yes	☐	N/A	☒	Historical and Paleontological Resources
Yes	☐	N/A	☒	Hazardous Materials Storage Facilities
Yes	☐	N/A	☒	Contamination (soil, surface water, ground water)

Signed: _____ **Project #:** _____ **Date:** 7/18/21

For assistance in completing this form, please visit the Alachua County Environmental Protection Department (ACEPD) website at http://alachuacounty.us/Depts/EPD/Pages/EPD.aspx or contact ACEPD at (352) 264-6800.

JBPro
Civil Engineering | Land Planning
Surveying | Construction Services

Gainesville | St. Augustine
3530 NW 43rd Street
Gainesville, FL 32606

April 13, 2023

Adam Hall
Principal Planner
City of Alachua
PO Box 9
Alachua, Florida 32616-0009

RE: Tara Forest West Special Exception Application

Tara Forest West is a project consisting of 538 lots subdivision on 200+/- acres. JBPro is proposing six (6) separate stormwater basins to properly attenuate the stormwater runoff from the proposed impervious areas, which will consist of lot, roadway, infrastructure, and utility improvements.

The proposed subdivision falls under several different jurisdictions including the City of Alachua, Alachua County, and Suwannee River Water Management District. All three entities have their own rules and regulations governing the water quantity and water quality of all runoff created from the development of this site. Specifically, these regulations call for stormwater discharge facilities to be designed so as not to lower the receiving water quality below the minimum conditions necessary to assure the suitability of water for the designated use of its classification as established in F.A.C. Chapter 62-302.

JBPro's design will meet all the requirements presented by these governing entities to allow continued conservation of this land. Our design looks at not only the proposed development, but also at the existing conditions to ensure nothing is missed. Environmental assessments are performed on the property, to allow us to design around existing constraints and minimize the impact of the development, see **Attachment A**. The main source of water quantity and quality treatment are through the proposed stormwater basins. As seen in **Attachment B** the location of the six (6) proposed stormwater basins have been selected based on the existing topography to be on the low end of the property just east of the conservation land to best allow stormwater runoff collection and facilitate treatment.

If you have questions or require additional information, please contact myself at logan.peters@jbpro.com or Chris Potts at chris.potts@jbpro.com. We can be reached by phone at (352) 375-8999. Thank you for your help with this project.

Sincerely,

Logan Peters

Logan B. Peters, P.E.
Engineering Project Manager
JBrown Professional Group Inc.

JBPro

Gainesville
3530 NW 43rd Street
Gainesville, FL 32606

St. Augustine
4420 US-1 S, Suite 1
St. Augustine, FL 32086

jbpro.com
(844) Go-JBPro
contact@jbpro.com

May 30, 2024

Mr. Adam Hall, AICP
Planner
City of Alachua
15100 NW 142 Terrace
Alachua, FL 32615

RE: Tara Forest West Special Exception

Hello Adam,

Please find attached a resubmittal package for Tara Forest West Preliminary Plat. The property consists of Alachua County Parcel Numbers 03067-001-000, 0320-000-000 and 03008-000-00, and is 200.68 acres total. This resubmittal package is provided to address comments provided by the City of Alachua via email on May 23, 2024. Included in this submittal package are hard copies of the following:

- Comment Response Letter
- Revised Site Plan for Special Use Application (7 copies)
- Complete Application Package (2 copies)

Please find below responses to the comments for the above referenced project. The comments have been replicated below followed by responses in bold.

Deficiencies to be addressed:

1. Use Specific Standards
   a. Section 4.3.2 (I) (4)(a) requires that the stormwater detention and retention facility provide enhanced natural or recreational functional use. The proposed preliminary plat indicates a variety of proposed recreational amenities, but the site plan submitted with the special exception only shows the stormwater facilities. The site plan and preliminary plat must be the same and indicate the recreational (or enhanced natural) elements that will be provided through provision of the stormwater facilities in that location. The revised site plan does show the enhanced recreation facilities that meet this section. As a condition of the special exception approval, language must be drafted that would require such improvements to be made. The language below is tentative and subject to change.
      i. Prior to the Issuance of a Certificate of Completion of Improvements for Phase 3 of the Tara Forest West Preliminary Plat, the swimming pool and associated structures and improvements, including any parking lot, a playground area, trail connection to west property line (adjacent with the project currently known as Tara April) and dog park, shall be completed as depicted on the approved special exception site plan for Tara Forest West. The pool shall have a minimum of 1,400 square feet surface area/ 32,000 gallons. The playground area shall consist of at least 7,500 square feet of fenced/usable area.

ii. Prior to the Issuance of a Certificate of Completion of Improvements for Phase 4 of the Tara Forest West Preliminary Plat, a minimum of two sports courts, one multi-use field, and any structures and improvements, including any parking lot, shall be completed as depicted on the approved special exception site plan for Tara Forest West.
iii. Prior to the Issuance of a Certificate of Completion of Improvements for Phase 6 of the Tara Forest West Preliminary Plat, a minimum of two additional sports courts (total of four for the entire Tara Forest West Preliminary Plat) and associated structures and improvements, including any parking lot, and one additional multi-use field (total of two for entire recreation area), and the remainder of the trail system within the recreation area shall be completed as depicted on the approved special exception site plan for Tara Forest West.
iv. The 7.5' Type B buffer shall be completed and installed along the boundary between the recreational area and any lots prior to any approval of any improvements within any Phase adjacent to the recreational area.
v. The maximum total floor area of all buildings within the recreational area shall be 13,000 square feet.
vi. The total impervious allowed within the recreational area shall be a maximum of 160,000 square feet.
vii. Construction of the amenities and amenity structures may begin prior to the approval of a final plat upon the provision of a surety device in the amount of 120% of the cost of construction of the amenity or amenity structure. No final inspection for any amenity structure requiring a building permit shall be scheduled until the Certificate of Completion of Improvements for the Phase has been issued.
viii. These conditions will be incorporated into any subdivider's agreement for any final plat, as applicable.
ix. Applicant agrees that it must obtain all other local, state and federal permits.

NEW COMMENT: The trail connection to the west property line must be depicted in the site plan. Further, the site plan for the special exception must include the phasing lines.
Response: So noted. The proposed trail has been included and labeled as "12' Multi-Use Path" on the revised Site Plan for Special Use Application. Phase lines and labels indicating the phase number have also been included. Additionally, we accept all of the above conditions, but would like to request a modification to the total impervious area allowed within the recreational area from 160,000 sf to 300,000 sf.

If you have any questions or need additional information, please feel free to contact me or Logan Peters.

Sincerely,

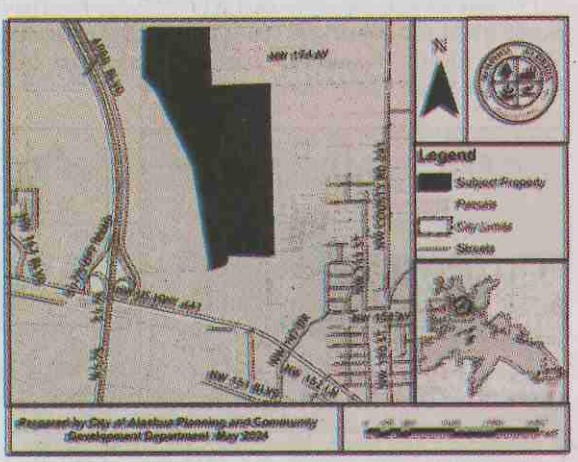
Christopher Potts

Christopher Potts, PE
Director of Engineering, JBPro

City of ALACHUA

NOTICE OF PUBLIC HEARING BEFORE THE PLANNING AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

Notice is hereby given that the Planning and Zoning Board of the City of Alachua will hold a public hearing on June 11, 2024 at 6:00 p.m. The hearing will be held in the James A. Lewis Commission Chambers in City Hall, located at 15100 NW 142nd Terrace, Alachua, Florida, to consider the following: A request by Christopher Potts, P.E. of JBrown Professional Group, Inc., applicant, on behalf of Tara Forest, LLC, property owner, for consideration of a Special Exception Permit to allow stormwater retention and detention facilities on a portion of a ±198.39 acre subject property. The subject property is generally located north of US 441 and west of NW 147th Drive; Portions of Tax Parcel Numbers 03008-000-000 and 03067-001-000; Future Land Use Map (FLUM) Designations: Moderate Density Residential, and Recreation; Zoning: Residential Single Family -4 (RSF-4), and Agricultural (A).



At the public hearing, all interested parties may appear and be heard with respect to the application. Copies of the application are available for public inspection at the Planning and Community Development Department, 15100 NW 142nd Terrace, Alachua, Florida, on any regular business day between the hours of 7:30 a.m. to 6:00 p.m. Written comments on the application may be sent to the following address: City of Alachua, Planning and Community Development, P.O. Box 9, Alachua, FL 32616. Notice is given pursuant to Section 286.0105, Florida Statutes, that, in order to appeal any decision made at the public hearing, you will need a record of the proceedings, and that, for such purpose, you may need to ensure that a verbatim record of the proceedings is made, which includes the testimony and evidence upon which the appeal is to be based. In accordance with the Americans with Disabilities Act, any persons with a disability requiring reasonable accommodation in order to participate in this meeting should call the City Clerk at (386) 418-6100 x 1501 at least 48 hours prior to the public hearing.

(Published: Alachua County Today - May 30, 2024)

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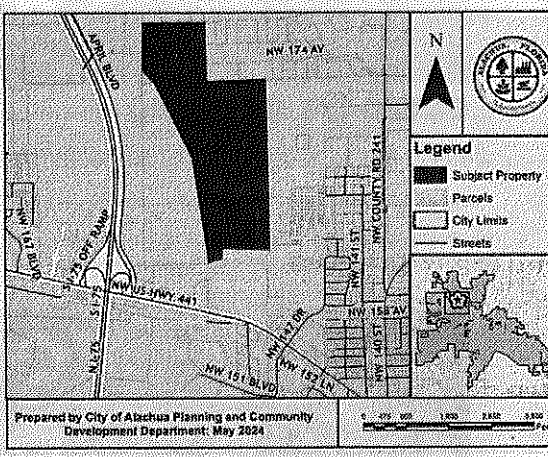

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(Published: Alachua County Today - May 30, 2024)

AFFIDAVIT FOR POSTED LAND USE SIGN

RECEIVED
MAY 28 2024
BY: Company

I, David Della, POSTED THE LAND USE
(Name)
SIGN ON May 28th 2024 FOR THE Tara Forest West Preliminary Plat
(Date) (State type of action and project name)
LAND USE ACTION.

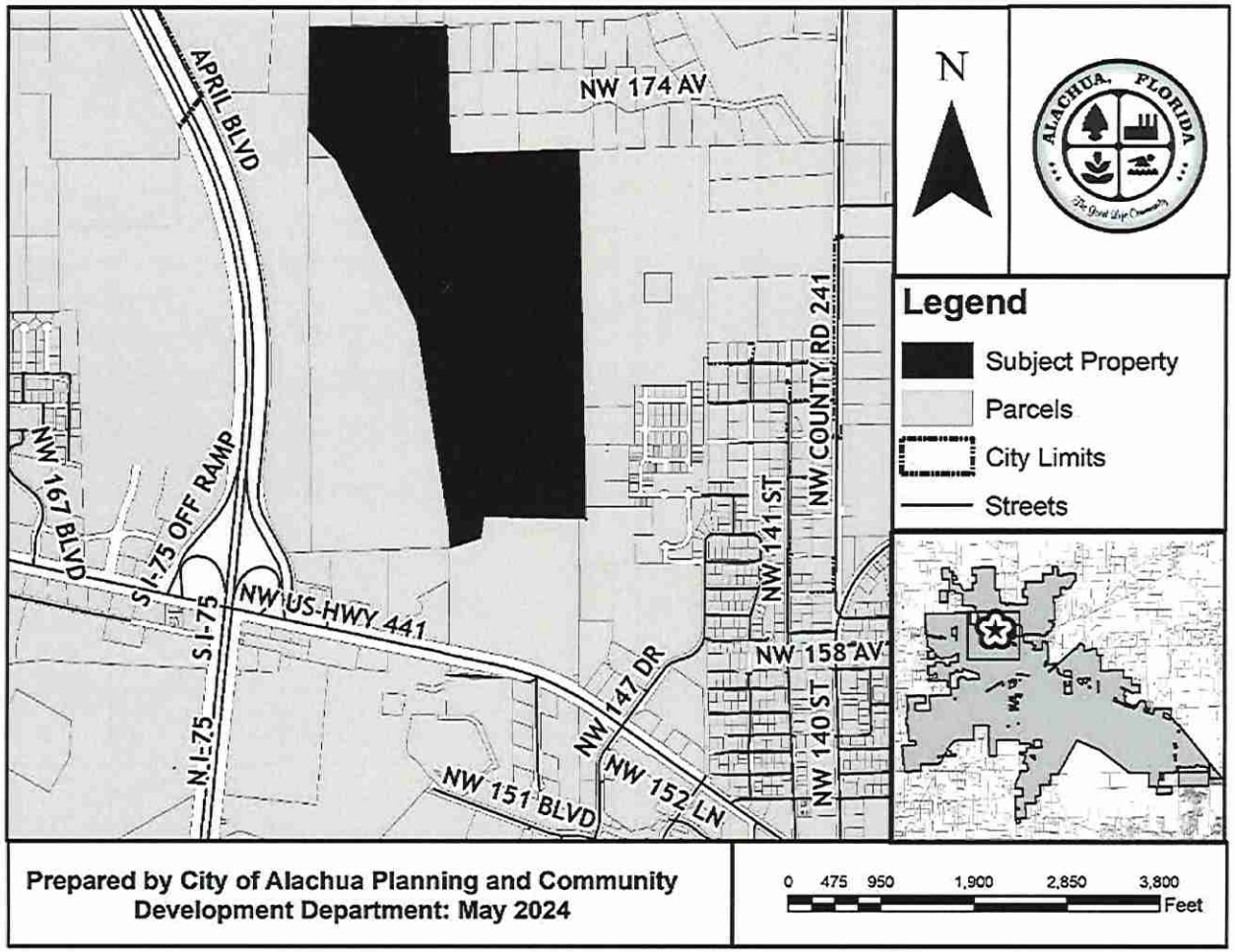
AS PER ARTICLE 2.2.9 D OF THE LAND DEVELOPMENT REGULATIONS.

THIS WILL BE INCLUDED IN THE STAFF REPORT.

(Signature)

Three (3)
(Number of signs)

Notice is hereby given that the Planning and Zoning Board of the City of Alachua will hold a public hearing(s). The hearing(s) will be held in the James A. Lewis Commission Chambers in City Hall, located at 15100 NW 142nd Terrace, Alachua, Florida, to consider the following: A request by Christopher Potts, P.E. of JBrown Professional Group, Inc., applicant, on behalf of Tara Forest, LLC, property owner, for consideration of a Special Exception Permit to allow stormwater retention and detention facilities on a portion of a ±198.39 acre subject property. The subject property is generally located north of US 441 and west of NW 147th Drive; Portions of Tax Parcel Numbers 03008-000-000 and 03067-001-000; Future Land Use Map (FLUM) Designations: Moderate Density Residential, and Recreation; Zoning: Residential Single Family -4 (RSF-4), and Agricultural (A).



RECEIVED
MAY 28 2024
BY:

JUNE 11, 2024 @ 6:00 PM

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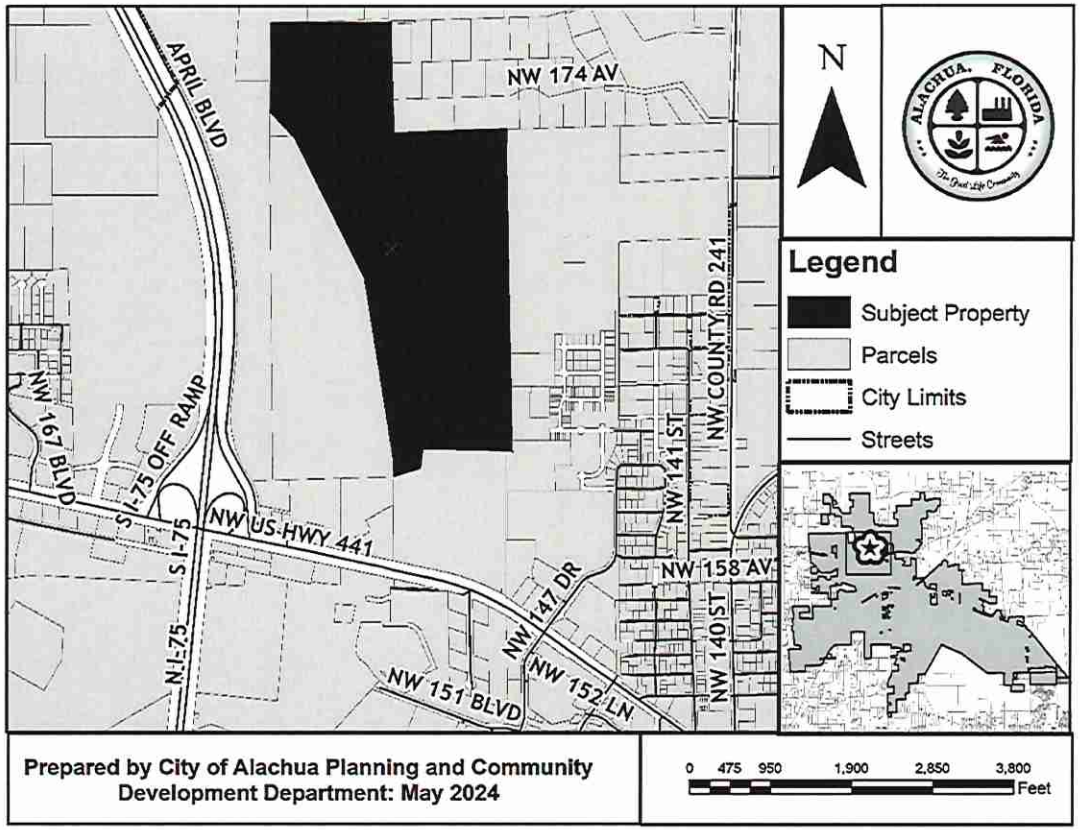

JUNE 11, 2024 @ 6:00 PM
JULY 22, 2024 @ 6:00 PM

RECEIVED
MAY 28 2024
BY: company

City of ALACHUA
the good life community

MAILED
MAY 2 3 2024

NOTICE OF PUBLIC HEARING BEFORE THE PLANNING AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

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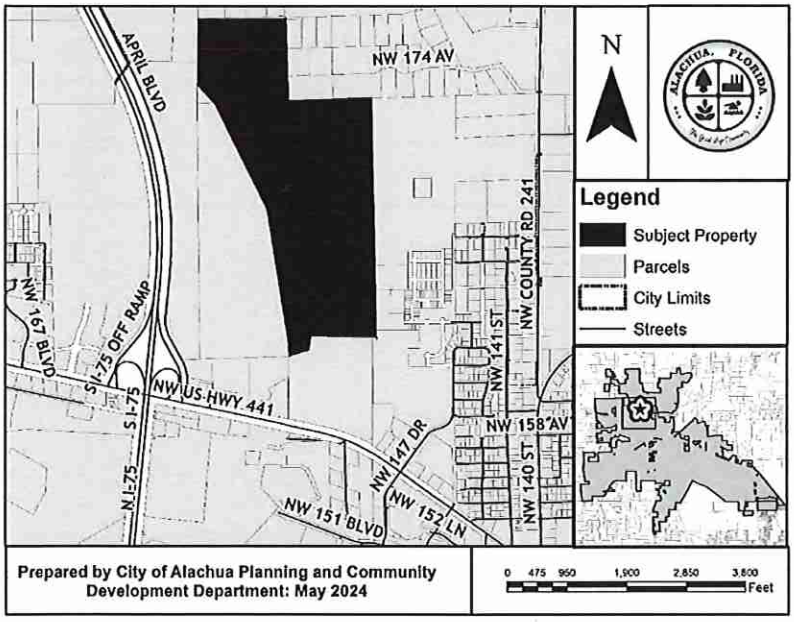

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P.O. Box 9 ♦ Alachua, Florida 32616-0009
Phone: (386) 418-6121 ♦ Fax: (386) 418-6130

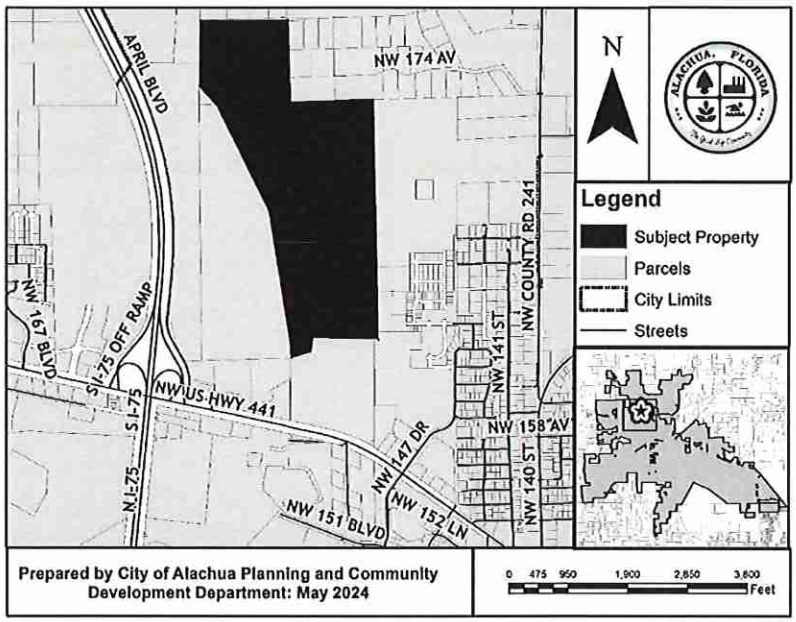
City of ALACHUA
the good life community

MAILED
MAY 23 2024

NOTICE OF PUBLIC HEARING BEFORE THE AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

Notice is hereby given that the Planning & Zoning Board of the City of Alachua will hold a public hearing on June 11, 2024, at 6:00 p.m. The hearing will be held in the James A. Lewis Commission Chambers in City Hall, located at 15100 NW 142nd Terrace, Alachua, Florida, to consider the following:

A request by Logan B. Peters, P.E., of JBrown Professional Group, Inc., applicant and agent for Tara Forest, LLC, property owner, for consideration of the Preliminary Plat for the Tara Forest West subdivision, which proposes the subdivision of a ±198.39 acre property into a total of 523 single family lots, with associated common areas and right-of-way. The subject property is generally located north of US 441 and west of NW 147th Drive; Portions of Tax Parcel Numbers 03008-000-000 and 03067-001-000; Future Land Use Map (FLUM) Designations: Moderate Density Residential, and Recreation; Zoning: Residential Single Family -4 (RSF-4), and Agricultural (A).



At the public hearing, all interested parties may appear and be heard with respect to the application. Copies of the application are available for public inspection at the Planning and Community Development Department, 15100 NW 142nd Terrace, Alachua, Florida, on any regular business day between the hours of 7:30 a.m. to 6:00 p.m. Written comments on the application may be sent to the following address: City of Alachua, Planning and Community Development, P.O. Box 9, Alachua, FL 32616. Notice is given pursuant to Section 286.0105, Florida Statutes, that, in order to appeal any decision made at the public hearing, you will need a record of the proceedings, and that, for such purpose, you may need to ensure that a verbatim record of the proceedings is made, which includes the testimony and evidence upon which the appeal is to be based. In accordance with the Americans with Disabilities Act, any persons with a disability requiring reasonable accommodation in order to participate in this meeting should call the City Clerk at (386) 418-6100 x 1501 at least 48 hours prior to the public hearing.

P.O. Box 9 ♦ Alachua, Florida 32616-0009
Phone: (386) 418-6121 ♦ Fax: (386) 418-6130

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03067-601-001
CAMPUS USA CREDIT UNION
14007 NW 1ST RD
NEWBERRY, FL 32669

03067-601-002
ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

03067-601-003
LBJ ALACHUA LLC
4 DORCHESTER RD
SCARSDALE, NY 10583

MAILED
MAY 2 3 2024

03067-601-004
ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

03068-005-000
JONES HENRY JR & PHOEBE
PO BOX 956
ALACHUA, FL 32616

03068-005-001
SMITH MARY LOUISE
14314 NW 167TH PL
ALACHUA, FL 32615

03068-005-002
JONES HENRY
PO BOX 956
ALACHUA, FL 32616

03068-007-000
IMAGE PROPERTY SOLUTIONS LLC
10006 CROSS CREEK BLVD #164
TAMPA, FL 33647

03068-008-000
COYLE & COYLE
14319 NW 167TH PL
ALACHUA, FL 32615

03068-009-000
LUNDY GWENDOLYN
120 SE 25TH TER
GAINESVILLE, FL 32641

03068-009-001
TYSON DEVRON D
PO BOX 23
ALACHUA, FL 32616

03068-014-000
IMAGE PROPERTY SOLUTIONS LLC
10006 CROSS CREEK BLVD #164
TAMPA, FL 33647

03068-015-000
MARK MARY
PO BOX 711
ALACHUA, FL 32616

03076-000-000
SHARMA LATIKA
14217 NW 166TH PL
ALACHUA, FL 32615

03080-000-000
DESUE & WHITLEY
823 PINE ST
STARKE, FL 32091

03080-001-000
HAILE ELAINE D
802 OAK ST
STARKE, FL 32091

03081-000-000
BAKER & LUNDY
14317 NW 165TH PL
ALACHUA, FL 32615

03081-001-000
SMITH H E
18125 NW 42ND PL
OPA LOCKA, FL 33055

03081-002-000
KIRKLAND MARY L
1275 NE 136TH TER #1
NORTH MIAMI, FL 33161

03081-003-000
RESHARD SHARON BARNES
PO BOX 2134
ALACHUA, FL 32616

03125-001-000
CEMETERY
17017 NW COUNTY ROAD 241
ALACHUA, FL 32615

03127-000-000
EIB REUBEN J & DEBORAH S
17325 NW COUNTY RD 241
ALACHUA, FL 32615

03127-001-000
LEWIS LANCE A & ELIZABETH A
16913 NW COUNTY RD 241
ALACHUA, FL 32615

03127-020-002
KARAPHILLIS JOHN M & CYNTHIA A
13811 NW 172ND AVE
ALACHUA, FL 32615

03531-008-000
ALACHUA COUNTY HOUSING AUTHORITY
701 NE 1ST ST
GAINESVILLE, FL 32601

03531-009-000
MCCLAIN ERICA S
14324 NW 157TH PL
ALACHUA, FL 32615

03531-010-000
EDWARDS VELMA D
PO BOX 314
ALACHUA, FL 32616

03605-010-001
AVONDA WILLIAM M & DEBORA L
14741 NW 151ST BLVD
ALACHUA, FL 32615

03605-010-018
AVELLA ANTHONY J & GINGER L
182 TURKEY CREEK
ALACHUA, FL 32615

03605-010-019
HODGES & LUNDQUIST
14656 NW 150TH LN
ALACHUA, FL 32615

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03067-062-072
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-073
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-082
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-083
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-084
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-085
PATEL KALPESH
16273 NW 143RD WAY
ALACHUA, FL 32615

MAILED
MAY 2 3 2024

03067-062-086
WILLIAMS RAYMOND A & SHARON J
16293 NW 143RD WAY
ALACHUA, FL 32615

03067-062-087
MOORE STEVE JR
14282 NW 163RD PL
ALACHUA, FL 32615

03067-062-088
DEJESUS BERMAN
PO BOX 1131
INGLIS, FL 34449

03067-062-089
SORRELL ALBERT L & PAMELA E
14304 NW 163RD PL
ALACHUA, FL 32615

03067-062-090
CRISWELL JOHNATHAN
14324 NW 163RD PL
ALACHUA, FL 32615

03067-062-091
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-092
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-093
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-094
AMA GAINESVILLE INVESTMENTS THRE
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-095
AMA GAINESVILLE INVESTMENTS THRE
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-096
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-097
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-098
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-099
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-100
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-101
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-102
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-103
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-104
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-105
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-106
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-063-000
TARA BAYWOOD LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-600-000
CANVAS CHURCH FL INC
PO BOX 219
ALACHUA, FL 32616

03067-601-000
ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

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03067-060-027
MCCORD CHRIS & SE'EPA
14293 NW 159TH LN
ALACHUA, FL 32615

03067-060-029
GAVARRETE RAMON & INDIRA
14302 NW 159TH LN
ALACHUA, FL 32615

03067-060-030
WILLIAMS AKOSUA KELITHA M
14322 NW 159TH LN
ALACHUA, FL 32615

MAILED
MAY 2 3 2024

03067-060-031
KIRBY KEVIN L
14342 NW 159TH LN
ALACHUA, FL 32615

03067-060-032
CANNEGIETER LEROY R & TANYA
14362 NW 159TH LN
ALACHUA, FL 32615

03067-060-033
JONES SHANDRICKA
14392 NW 159TH LN
ALACHUA, FL 32615

03067-060-034
TARROBAL JOEL CONRAD W & RIA C
14387 NW 160TH LN
ALACHUA, FL 32615

03067-061-035
YOUNG MACK H & GEORGIA MAE
14367 NW 160TH LANE
ALACHUA, FL 32615

03067-061-036
WILSON TANGELA M
14347 NW 160TH LN
ALACHUA, FL 32615

03067-061-037
TAOPO EDWIN & MIDNITTE
14327 NW 160TH LANE
ALACHUA, FL 32615

03067-061-038
MENDOZA & VALDES
14307 NW 160TH LN
ALACHUA, FL 32615

03067-061-039
SCOTT CORITA T
14295 NW 160TH LN
ALACHUA, FL 32615

03067-061-050
BUONSIGNORE MICHAEL W & MAMI
14304 NW 160TH LN
ALACHUA, FL 32615

03067-061-051
WOODARD TERRI M
14324 NW 160TH LN
ALACHUA, FL 32615

03067-061-052
GIRALDO & MARTINEZ H/W
14344 NW 160TH LN
ALACHUA, FL 32615

03067-061-053
FABIANO CHRISTOPHER & GAYLE CRUZ
14364 NW 160TH LN
ALACHUA, FL 32615

03067-061-054
MATHIS STANLEY P & ANTOINETTE L
14384 NW 160TH AVE
ALACHUA, FL 32615

03067-061-055
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-061-056
BROWN WYNDELL A & LATOSHA L
14365 NW 161ST AVE
ALACHUA, FL 32615

03067-061-057
NGUYEN TONY M & TOMOKO S
14345 NW 161ST AVE
ALACHUA, FL 32615

03067-061-058
COBTY MAJIB & MARIE N
14325 NW 161ST AVE
ALACHUA, FL 32615

03067-061-059
MOORE JASON S & MONICA R
14305 NW 161ST AVE
ALACHUA, FL 32615

03067-061-064
CAISON WILLIE EDWARD SR & DEANDR
13308 NW 161ST AVE
ALACHUA, FL 32615

03067-061-065
HEWITT THOMAS C
14328 NW 161ST AVE
ALACHUA, FL 32615

03067-061-066
MYLEK DENNIS JAMES & EDITH
115 ROSEWOOD DR
PRINCETON, WV 24739

03067-061-067
CRAWFORD JOHN F II & ASHLEA B
14368 NW 161ST AVE
ALACHUA, FL 32615

03067-061-068
FLYNN PAUL S & LINDA
14388 NW 161ST AVE
ALACHUA, FL 32615

03067-062-069
YOUNG RAMONE R
14385 NW 162ND PL
ALACHUA, FL 32615

03067-062-070
AKRIDGE MICHAEL D & SHATEKA
14365 NW 162ND PL
ALACHUA, FL 32615

03067-062-071
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

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03066-006-002
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03066-007-000
ALL AMERICAN OIL LLC
380 COMMERCE PARKWAY
ROCKLEDGE, FL 32955

03066-008-000
TEMPLE HILL INC
11149 CONISTON WAY
WINDERMERE, FL 34786

03066-008-001
SHREDHA & SABURI INC
15920 NW US HWY 441
ALACHUA, FL 32615

03066-008-002
TEMPLE HILL INC
11149 CONISTON WAY
WINDERMERE, FL 34786

03067-000-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

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03067-001-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-001-001
CANVAS CHURCH FL INC
PO BOX 219
ALACHUA, FL 32616

03067-001-005
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03067-003-000
ADVANCE AUTO PARTS INC
ADVANCE STORES CO INC #9236
PO BOX 2710 ATTN: TAX ACCOUNTING
ROANOKE, VA 24001

03067-004-000
CRUSADERS FOR CHRIST CHURCH INC
PO BOX 1087
ALACHUA, FL 32616

03067-004-001
HANCOCK JOSEPH A & CRYSTAL M
14309 NW 159TH PL
ALACHUA, FL 32615

03067-004-002
CURTIS NATRON
14326 NW 158TH AVE
ALACHUA, FL 32615

03067-005-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-005-001
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-006-010
LOWES HOME CENTERS INC
1000 LOWES BOULEVARD TAX DEPT
MOORESVILLE, NC 28117

03067-060-001
WARD & WARD
14389 NW 159TH PL
ALACHUA, FL 32615

03067-060-002
RINGLEHAN JASON R
14369 NW 159TH PL
ALACHUA, FL 32615

03067-060-003
MCGINNIS-BROWN RUBY D
14349 NW 159TH PL
ALACHUA, FL 32615

03067-060-004
CHUOP & EANG
14329 NW 159TH PL
ALACHUA, FL 32615

03067-060-005
HANCOCK JOSEPH A & CRYSTAL M
14309 NW 159TH PL
ALACHUA, FL 32615

03067-060-017
HALL HEATHER T
14298 NW 159TH PL
ALACHUA, FL 32615

03067-060-018
CELLI PETER J
14316 NW 159TH PL
ALACHUA, FL 32615

03067-060-019
JONES ALLEN A & BRENDA L
PO BOX 1785
ALACHUA, FL 32616

03067-060-020
RODRIGUEZ PEDRO J & DELILAH M
14356 NW 159TH PL
ALACHUA, FL 32615

03067-060-021
KOCHER GARY C & DENISE B
540 MILLHOUSE LN
ORANGE PARK, FL 32065

03067-060-022
SANTOS JOSE
14555 MAIN ST
ALACHUA, FL 32615

03067-060-024
BENNETT CHRISTINA
14351 NW 159TH LN
ALACHUA, FL 32615

03067-060-025
LAM PHUONG HONG
14331 NW 159TH LN
ALACHUA, FL 32615

03067-060-026
DOBY & JOHNSON
14311 NW 159TH LN
ALACHUA, FL 32615

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03014-004-002
BEVILLE-LAMBERT & LAMBERT W/H
15500 NW 180TH AVE
ALACHUA, FL 32615

03014-004-003
CONNER & RUSSELL
PO BOX 912
ALACHUA, FL 32616

03014-004-004
LUNGER RONALD A & BARBARA L
15300 NW 180TH AVE
ALACHUA, FL 32615

03014-010-006
BELLAMY VALLEY RANCH LLC
18202 NW 140TH ST
ALACHUA, FL 32615

03015-001-000
SPENCER JR & SPENCER TRUSTEES
17604 NW 140TH ST
ALACHUA, FL 32615

03015-004-000
MRVZ PARK INVESTORS LLC
PO BOX 1462
INVERNESS, FL 34451

MAILED
MAY 2 3 2024

03017-002-000
SPENCER ARTHUR PRESCOTT JR TRUS
4145 STATE RD 11
DELAND, FL 32724

03020-000-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03049-000-000
ALACHUA A ONE LLC
15260 NW 147TH DR STE 100
ALACHUA, FL 32615

03049-004-000
ALACHUA A ONE LLC
15260 NW 147TH DR STE 100
ALACHUA, FL 32615

03054-000-000
JP & KP LLC
11149 CONISTON WAY
WINDERMERE, FL 34786

03054-001-002
TOMOKA HILLS FARMS INC
1301 DIXIANA DOMINO RD
LEXINGTON, KY 40511

03054-002-000
JP & KP LLC
11149 CONISTON WAY
WINDERMERE, FL 34786

03059-001-000
MCDONALD'S CORP (009/0551)
C/O JUAN PRADO
PRADO ENTERPRISES INC 19175 N DALE
LUTZ, FL 33548

03059-003-000
FDOT
% RIGHT OF WAY DEPT
MAIL STATION 2020 1109 S MARION AVE
LAKE CITY, FL 32025

03059-005-000
MCDONALD'S CORP (009/0551)
C/O JUAN PRADO
PRADO ENTERPRISES INC 19175 N DALE
LUTZ, FL 33548

03062-000-000
ORTIZ & PETERSON-ORTIZ H/W
17304 NW 140TH ST
ALACHUA, FL 32616

03062-001-000
JOHNS PATSY ANNETTE
24133 NW 174TH AVE
HIGH SPRINGS, FL 32643

03062-002-000
HAGAN MILDRED
16906 NW 140TH ST
ALACHUA, FL 32615

03062-003-000
EMMA MICHAEL R & RAYSA
17208 NW CR 241
GAINESVILLE, FL 32615

03066-000-000
FIRST STREET GROUP L C
PO BOX 1990
ALACHUA, FL 32616

03066-001-000
STALBAUM & STALBAUM
4526 SW 63RD BLVD
GAINESVILLE, FL 32608

03066-002-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03066-002-001
NATIONAL SPELEOLOGICAL SOCIETY I
6001 TULASKI PIKE NW
HUNTSVILLE, AL 35810

03066-004-000
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03066-004-001
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03066-004-002
NATIONAL RETAIL PROPERTIES LP
450 S ORANGE ABE STE 900
ORLANDO, FL 32801

03066-005-000
DIADEM INVESTMENTS LLC
2420 NE 32ND CT
LIGHTHOUSE POINT, FL 33064

03066-006-000
MOHAN-LERRA FAMILY PARTNERSHIP
16715 NW 129TH TER
ALACHUA, FL 32615

03066-006-001
WAFFLE HOUSE INC
5986 FINANCIAL DR
NORCROSS, GA 30071

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03008-000-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03013-000-000
SPENCER JR & SPENCER TRUSTEES
17604 NW 140TH ST
ALACHUA, FL 32615

03013-004-000
LLORCA JORGE MANUEL
PO BOX 142991
GAINESVILLE, FL 32614

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MAY 2 3 2024

03013-010-002
MCKNIGHT & MCKNIGHT M/C
14201 NW 174TH AVE
ALACHUA, FL 32615

03013-010-003
MALPHURS CHRISTOPHER ROBERT & K
14259 NW 174TH AVE
ALACHUA, FL 32615

03013-010-004
MALPHURS CHRISTOPHER ROBERT & I
14259 NW 147TH AVE
ALACHUA, FL 32615

03013-010-005
GAMAGE RICHARD F & CHERYL L
14495 NW 174TH AVE
ALACHUA, FL 32615

03013-010-006
KNISELEY GREGORY P & JOAN E
PO BOX 782
ALACHUA, FL 32616

03013-010-007
BAKER WILLIAM S & PAMELA A
14655 NW 174TH AVE
ALACHUA, FL 32615

03013-010-008
ESCOFFERY-LAWRENCE & LAWRENCE
14745 NW 174TH AVE
ALACHUA, FL 32615

03013-010-009
DURANTE & KOJO
14907 NW 174TH AVE
ALACHUA, FL 32615

03013-010-010
YAKUBSIN JAMES E & LINDA A
15135 NW 174TH AVE
ALACHUA, FL 32615

03013-020-004
SIMIC DANIEL G & KALINDI A
17452 NW 145TH DR
ALACHUA, FL 32615

03013-020-005
KNAPP EDWARD B & BONITA J
14627 NW 174TH LN
ALACHUA, FL 32615

03013-020-006
HAUSE JOHN GREGORY & JULIE LIFE E
14693 NW 174TH LN
ALACHUA, FL 32615

03013-020-007
TUCKER LONNIE A & SHERRY A
14765 NW 174TH LN
ALACHUA, FL 32615

03013-020-008
ALLEN & MEYERS
14853 NW 174TH LANE
ALACHUA, FL 32615

03013-020-009
KOUTSKY HAROLD J & JILL L
14935 NW 174TH LN
ALACHUA, FL 32615

03013-020-010
ANUSZEWSKI JAMES & STEPHANIE M
15021 NW 174TH LANE
ALACHUA, FL 32615

03013-020-011
HARRELL GLENN ASHLEY & KIMBERLY
7518 NW 126TH AVE
ALACHUA, FL 32615

03013-020-012
PRATTO-SAPP & SAPP
PO BOX 1244
ALACHUA, FL 32616

03013-020-013
BOODRAM SEETERAM & DAVEKA
2620 1 ST AVE
HALETHORPE, MD 21227

03013-020-014
THOMAS ANDREW LAWTON & ANGELITA
14660 NW 174TH AVE
ALACHUA, FL 32615

03013-020-015
INNIS VERONIKA
14596 NW 174TH AVE
ALACHUA, FL 32615

03013-020-016
MURTHA GARY J & MARY E
14528 NW 174TH AVE
ALACHUA, FL 32615

03013-020-017
FRIEDMAN MORTON B & SUSAN J
PO BOX 2065
ALACHUA, FL 32616

03013-020-018
LLORCA JORGE MANUEL
PO BOX 142991
GAINESVILLE, FL 32614

03013-020-019
PRATTO & PRATTO
3131 NW 111TH ST
GAINESVILLE, FL 32606

03013-020-020
SMITH DAVE EUGENE & PAMELA PEARS
14514 ASCOT SQUARE COURT
BOYDS, MD 20841

03014-004-001
BONFIGLIO JAMES JR & TEATA L
15640 NW 180TH AVE
ALACHUA, FL 32615

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ALACHUA, FL 32615

03868-001-002
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03869-000-000
FIRST STREET GROUP L C
PO BOX 1990
ALACHUA, FL 32616

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03869-011-000
YOUNG ESTATES LLC
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03008-000-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03013-010-007
BAKER WILLIAM S & PAMELA A
14655 NW 174TH AVE
ALACHUA, FL 32615

03013-010-008
ESCOFFERY-LAWRENCE & LAWRENCE
14745 NW 174TH AVE
ALACHUA, FL 32615

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03013-010-009
DURANTE & KOJO
14907 NW 174TH AVE
ALACHUA, FL 32615

03013-010-010
YAKUBSIN JAMES E & LINDA A
15135 NW 174TH AVE
ALACHUA, FL 32615

03013-020-012
PRATTO-SAPP & SAPP
PO BOX 1244
ALACHUA, FL 32616

03013-020-013
BOODRAM SEETERAM & DAVEKA
2620 1 ST AVE
HALETHORPE, MD 21227

03013-020-019
PRATTO & PRATTO
3131 NW 111TH ST
GAINESVILLE, FL 32606

03013-020-020
SMITH DAVE EUGENE & PAMELA PEAR
14514 ASCOT SQUARE COURT
BOYDS, MD 20841

03020-000-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03066-000-000
FIRST STREET GROUP L C
PO BOX 1990
ALACHUA, FL 32616

03066-001-000
STALBAUM & STALBAUM
4526 SW 63RD BLVD
GAINESVILLE, FL 32608

03066-002-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03066-002-001
NATIONAL SPELEOLOGICAL SOCIETY IN
6001 TULASKI PIKE NW
HUNTSVILLE, AL 35810

03066-004-000
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03066-004-001
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03066-006-000
MOHAN-LERRA FAMILY PARTNERSHIP
16715 NW 129TH TER
ALACHUA, FL 32615

03066-006-001
WAFFLE HOUSE INC
5986 FINANCIAL DR
NORCROSS, GA 30071

03066-006-002
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03067-000-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-001-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-001-005
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03067-005-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-006-010
LOWES HOME CENTERS INC
1000 LOWES BOULEVARD TAX DEPT
MOORESVILLE, NC 28117

03067-063-000
TARA BAYWOOD LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-601-000
ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

03067-601-002
ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

03067-601-003
LBJ ALACHUA LLC
4 DORCHESTER RD
SCARSDALE, NY 10583

03067-601-004
ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

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03869-020-000
TOMLINSON PROPERTY GROUP LLC
3580 N MAIN ST
GAINESVILLE, FL 32609

03869-021-000
TOMLINSON PROPERTY GROUP LLC
3580 N MAIN ST
GAINESVILLE, FL 32609

03869-023-000
ALACHUA TOWNE CENTRE ASSOCIATIO
13505 NW 88TH PL
ALACHUA, FL 32615

03873-000-000
TOMOKA HILLS FARMS INC
1301 DIXIANA DOMINO RD
LEXINGTON, KY 40511

03873-001-000
TOMOKA HILLS FARMS INC
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03863-002-000
R & J MCCAULEY LLC
15260 NW 147TH DR
ALACHUA, FL 32615

03868-000-000
KOROSIC CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

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KOROSIC CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

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KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-003
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-004
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15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-005
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-006
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-007
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-008
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-002-000
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

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CITY OF ALACHUA
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ALACHUA, FL 32616

03869-000-000
FIRST STREET GROUP L C
PO BOX 1990
ALACHUA, FL 32616

03869-001-000
TLC PROPERTIES INC
2065 NW 57TH ST
OCALA, FL 34475

03869-002-000
HARKINS JAMES E JR & RENEE
PO BOX 6307
MARIANNA, FL 32447

03869-003-000
COMMUNITY PROPERTIES USA INC
15560 SW US HIGHWAY 441 STE 200
ALACHUA, FL 32615

03869-003-001
ALACHUA TOWNE CENTRE ASSOCIATI
13505 NW 88TH PL
ALACHUA, FL 32615

03869-004-000
SHAKTI MANAGEMENT LLC
2631 SW 118TH TER
GAINESVILLE, FL 32608

03869-005-000
MCCAULEY PROPERTIES LLC
3727 SW 92ND DR
GAINESVILLE, FL 32608

03869-006-000
FILCENTERS LLC
14974 NW 150TH LN
ALACHUA, FL 32615

03869-007-000
10.47 LLC
15260 NW 147TH DR
ALACHUA, FL 32615

03869-007-001
ALACHUA DEVELOPMENT LLC
5405 CYPRESS CENTER DR STE 320
TAMPA, FL 33609

03869-008-000
KOROSIC CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03869-009-000
10.47 LLC
15260 NW 147TH DR
ALACHUA, FL 32615

03869-010-000
10.47 LLC
15260 NW 147TH DR
ALACHUA, FL 32615

03869-011-000
YOUNG ESTATES LLC
14414 NW 60TH AVE
ALACHUA, FL 32615

03869-012-000
ALACHUA PROFESSIONAL PLAZA LLC
15260 NW 147TH DR STE A
ALACHUA, FL 32615

03869-013-000
FIRST STREET GROUP LC
PO BOX 1990
ALACHUA, FL 32616

03869-014-000
FIRST STREET GROUP LC
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Dan Rhine
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Tom Gorman
9210 NW 59th Street
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Richard Gorman
5716 NW 93rd Avenue
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Peggy Arnold
410 Turkey Creek
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Carrie Luke
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Alachua, FL 32615

Joseph & Phyllis Strickland
14103 NW 156th Place
Alachua, FL 32615

Lynn Hutton
19005 NW 138th Ave
Alachua, FL 32615

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City of Alachua
THE GOOD LIFE COMMUNITY

Board/Committee Agenda Item

MEETING DATE: 6/11/2024
SUBJECT: Preliminary Plat – Tara Forest West: A request by Logan Peters, P.E., of JBrown Professional Group, Inc., applicant and agent for Tara Forest, LLC, property owner, for consideration of the Preliminary Plat of the Tara Forest West Subdivision, which proposes the subdivision of a ±198.39 acre subject property into a total of 523 single family lots, with associated common areas and right-of-way, generally located north of US 441,west of NW 147th Drive, Tara Baywood and Tara Forest East Subdivisions; Portions of Tax Parcel Numbers 03067-001-000 and 03008-000-000 (Quasi-Judicial Hearing).

PREPARED BY: Adam Hall, AICP, Principal Planner

RECOMMENDED ACTION:
Staff recommends that the Planning & Zoning Board transmit the preliminary plat of Tara Forest West Subdivision to the City Commission with a recommendation to approve subject to the 12 conditions provided in Exhibit "A" and located on page 21 of the Staff Report, upon making the following motion:

Based upon the competent substantial evidence presented at this hearing, the presentation before this Board, and Staff's recommendation, this Board finds the application to be consistent with the City of Alachua Comprehensive Plan and in compliance with the Land Development Regulations and transmits the Preliminary Plat of the Tara Forest West Subdivision to the City Commission, with a recommendation to approve, subject to the 12 conditions provided in Exhibit "A" and located on page 21 of the Staff Report.

Summary

This application is a request by Logan Peters, P.E., of JBrown Professional Group, Inc., applicant and agent for Tara Forest, LLC., property owner, for consideration of the preliminary plat for the Tara Forest West subdivision project, which proposes the subdivision of a ±198.39 acre subject property into a total of 523 lots with associated common areas and road right-of-way. The preliminary plat indicates the development will be constructed in six phases. The subject property consists of portions of Tax Parcels 03067-001-000 and 03008-000-000, and is located east of the Tara Forest East and Tara Baywood Subdivisions, north of US 441 and south of the Dogwood Acres subdivision.

The subject property was subject to Large Scale Comprehensive Plan Amendment (Ordinance 09-14) that amended the Future Land Use Map Designation for the property from Agriculture to Moderate Density Residential and Recreation. The zoning designations for the subject property were amended by Ordinance 10-23. The adopted zoning designations for the subject property were A (Agricultural) and RSF-4 (Residential Single Family – 4).

The proposed Tara Forest West subdivision will consist of lots ranging size from ±7,294 square feet to ±19,841 square feet, with the majority of lots being ±7,500 square feet. The preliminary plat proposes 523 single family residential lots. The preliminary plat proposes 13 common areas located throughout project. The largest common areas located on the west side of the project will serve as stormwater retention and detention for the project as well as house the proposed amenities for the development. The stormwater facilities are located in the Agricultural (A) zoned area of the project and will therefore require a special exception permit. This application has been reviewed concurrently with this preliminary plat application. The proposed lots (except for Lot 468) located along the property boundary with the Dogwood Acres residential subdivision are a minimum of 10,000 square feet in size and a minimum of 100' in width.

One (1) access connection to US 441 will be completed as part of Phase 1 of the project. An additional connection to US 441 will be required with or before Phase 4. Additional interconnections will be made as the project is developed and as other adjacent projects are developed to the east (Tara Forest East and Tara Baywood) and to the south (Tara Phoenicia). No connection to April Boulevard is contemplated by this preliminary plat. Development within the proposed subdivision will connect to potable water and wastewater facilities. An analysis of the development's impact on other public facilities, including transportation, potable water, sanitary sewer, solid waste, and public schools, is provided within this report.

Section 2.4.10(G)(3) of the City's Land Development Regulations (LDRs) establishes the requirements for a preliminary plat. An analysis of the application's compliance with the applicable standards of this section has been provided within this report.

ATTACHMENTS:

Description

- Staff Report and Staff Supporting Materials
- Preliminary Plat - Tara Forest West Part 1
- Preliminary Plat - Tara Forest West Part 2
- Application and Supporting Materials Part 1
- Application and Supporting Materials Part 2
- Application and Supporting Materials Part 3
- Application and Supporting Materials Part 4
- Application and Supporting Materials Part 5
- Application and Supporting Materials Part 6
- Application and Supporting Materials Part 7
- Public Comments Received
- Neighborhood Workshop Materials
- Public Notice Materials for the June 11, 2024 PZB Hearing

City of Alachua

Planning & Community Development Department

Staff Report

Planning & Zoning Board Hearing Date: June 11, 2024

Quasi-Judicial Hearing **Application: PPP21-0005**

SUBJECT:	A request for consideration of the preliminary plat of the Tara Forest West Subdivision, which proposes the subdivision of a ±198.39 acre subject property into a total of 523 single family lots with associated common areas and road right-of-way
APPLICANT/AGENT:	Logan Peters, P.E., JBrown Professional Group, Inc.
PROPERTY OWNER:	Tara Forest, LLC
PARCEL ID NUMBER:	Portions of 03067-001-000 and 03008-000-000
FLUM DESIGNATION:	Moderate Density Residential and Recreation
ZONING:	RSF-4 and Agriculture
OVERLAY:	N/A
ACREAGE:	±198.39
PROJECT PLANNER:	Adam Hall, AICP
RECOMMENDATION:	Staff recommends that the Planning & Zoning Board transmit the preliminary plat of Tara Forest West Subdivision to the City Commission with a recommendation to approve subject to the 12 conditions provided in Exhibit "A" and located on page 21 of the Staff Report.
RECOMMENDED MOTION:	*Based upon the competent substantial evidence presented at this hearing, the presentation before this Board, and Staff's recommendation, this Board finds the application to be consistent with the City of Alachua Comprehensive Plan and in compliance with the Land Development Regulations and transmits the Preliminary Plat of the Tara Forest West Subdivision to the City Commission, with a recommendation to approve, subject to the 12 conditions provided in Exhibit "A" and located on page 21 of the Staff Report.*

SUMMARY & BACKGROUND

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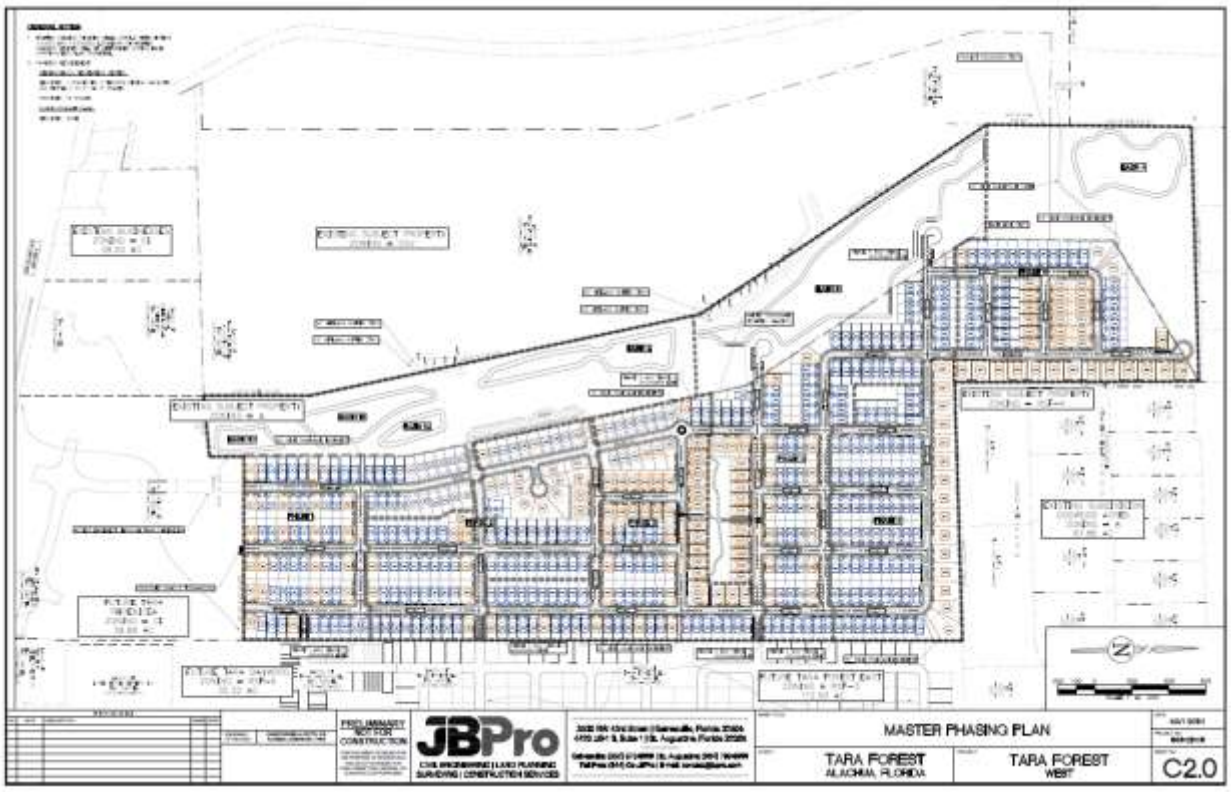


SURROUNDING USES

The existing uses, Future Land Use Map (FLUM) Designations, and zoning districts of the surrounding area are identified in Table 1. Map 1 provides an overview of the vicinity of the subject property. (NOTE: The information below is intended to provide a general overview of the area surrounding the subject property and to generally orient the reader. It is not intended to be all-inclusive, and may not identify all existing uses, FLUM Designations, and/or zoning districts surrounding the subject property.)

Table 1. Surrounding Land Uses

Direction	Existing Use(s)	FLUM Designation(s)	Zoning District(s)
North	Dogwood Acres	Moderate Density Residential	A (Agricultural)
East	Tara Forest East / Tara Baywood	Moderate Density Residential /Medium Density Residential	Residential Single Family – 3 (RSF-3)/ Residential Single Family – 6 (RSF-6)
West	Vacant / Conservation	Conservation	Conservation (CSV)
South	Vacant Commercial	Commercial	Commercial Intensive (CI)

Map 1. Vicinity Map

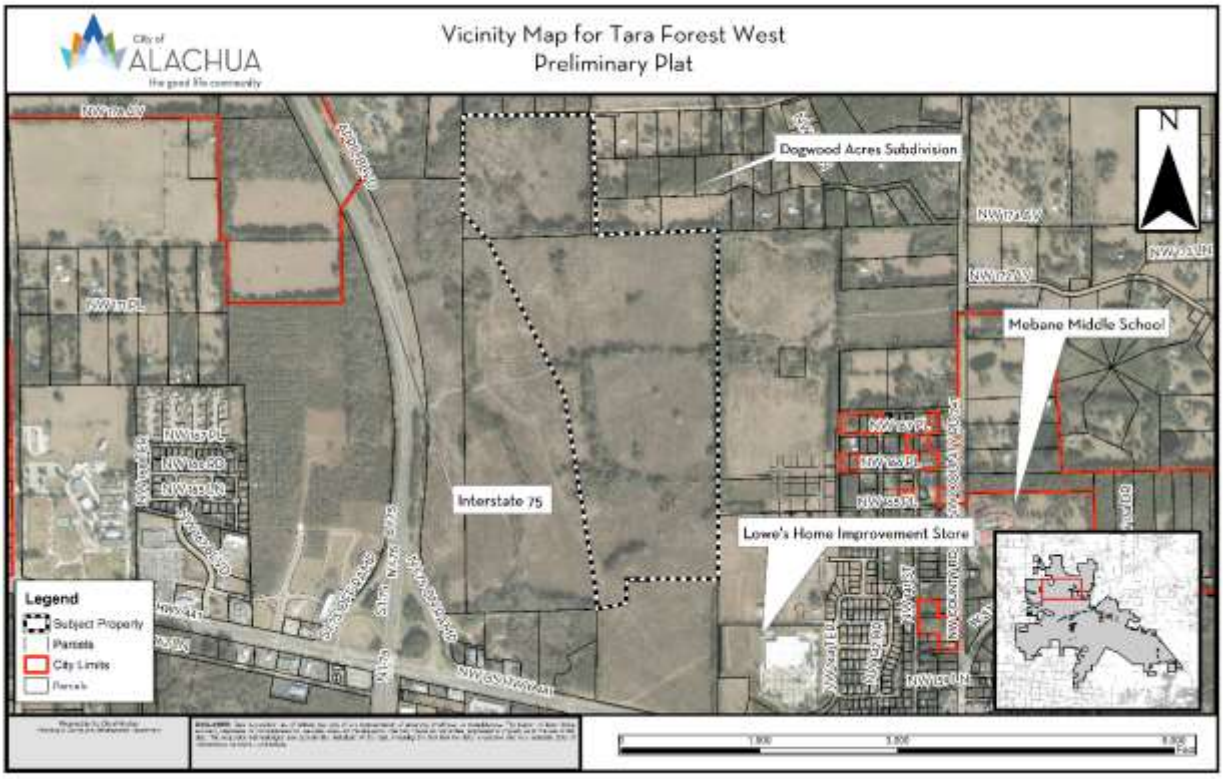
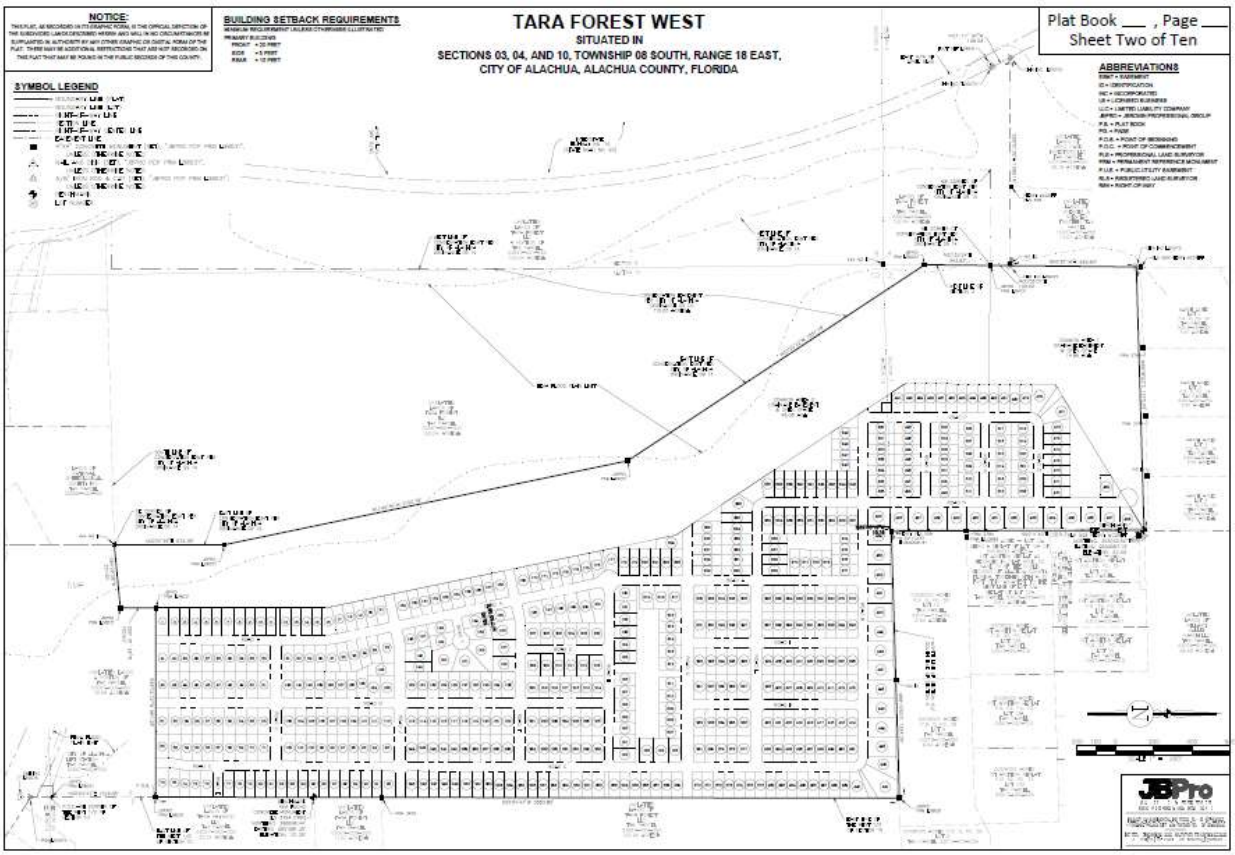


Illustration 1. Overall Site Plan for Tara Forest West



NEIGHBORHOOD MEETING

The purpose of a Neighborhood Meeting is to educate the owners of nearby land and any other interested members of the public about the project and to receive comments regarding the project. As required by Section 2.2.4 of the LDRs, all property owners within 400 feet of the subject property were notified of the meeting and notice of the meeting was published in a newspaper of general circulation.

A Neighborhood Meeting was held on August 18th, 2021, at the Swick House. The applicant was present and available to answer questions. Materials submitted by the applicant indicate that the meeting was attended by approximately 15 persons. A summary of the discussion which occurred at the Neighborhood Meeting has been provided by the applicant and is included within the application materials.

CONSISTENCY WITH THE COMPREHENSIVE PLAN

The Goals, Objectives, and Policies (GOPs) identified below are provided to establish a basis of the application's consistency with the Comprehensive Plan. There may be additional GOPs which the application is consistent with that are not identified within this report. An evaluation and findings of consistency with the identified GOPs is also provided below.

The property currently has a Future Land Use Map Designation of Moderate Density Residential, which permits up to 4 units per acre and Recreation. The following Comprehensive Plan Elements have Goals, Objectives, and Policies (GOPs) that support the proposed amendment to the Future Land Use Map of the City of Alachua's Comprehensive Plan:

- Future Land Use Element
- Transportation Element
- Housing Element
- Recreation Element
- Community Facilities Natural Groundwater Aquifer Recharge Element
- Conservation and Open Space Element

The applicant has provided an analysis of the proposed amendment's consistency with the Comprehensive Plan. Based upon the applicant's Comprehensive Plan Consistency Analysis and information presented below, staff finds the application consistent with the Comprehensive Plan and the Goals, Objectives, and Policies (GOPs) therein.

Future Land Use Element

Policy 1.2b: *Moderate Density Residential* (0 to 4 dwelling units per acre): The Moderate Density Residential land use category allows residential development at a maximum density of 4 dwelling units per acre. The following uses are allowed in the Moderate Density Residential land use category:

1. **Single family detached dwelling units;**

2. Accessory dwelling units;
3. Manufactured or modular homes meeting certain design criteria;
4. Mobile homes only within mobile home parks;
5. Duplexes and quadplexes;
6. Townhomes;
7. Residential Planned Developments; and,
8. Supporting community services such as schools, houses of worship, parks, and community centers.

Analysis of Consistency with Policy 1.2.c: The proposed preliminary plat includes lots for single family detached residential units which are a permitted use within the Moderate Density Future Land Use Designation.

Objective 1.7: Recreation

The City shall designate a Recreation land use category for all publicly or privately owned recreational lands. In order to provide the opportunity for recreation activities, and recreational uses may be allowed in any land use category provided such uses are compatible with adjacent land uses and are consistent with this Comprehensive Plan.

Policy 1.7.c: Recreation uses, such as neighborhood parks or commercial recreation, shall be allowed in other land use categories other than the Recreation land use category when compatible with adjacent land uses and land use categories.

Policy 1.7.d: Publicly owned recreation uses shall be limited to an intensity of less than or equal to 0.25 floor area ratio while privately owned recreation uses within this land use category shall be limited to less than or equal to 0.05 floor area ratio.

Analysis of Consistency with Objective 1.7 and Policies 1.7.c and 1.7.d: A portion of the subject property has a Future Land Use Designation of Recreation, which allows for recreation uses such as neighborhood parks. The floor area ratio maximum would be .05 FAR, as the proposed recreational features associated with the stormwater facilities are private.

Objective 5.1: Natural features: The City shall coordinate Future Land Use designations with appropriate topography, soils, areas of seasonal flooding, wetlands and habitat during review of proposed amendments to the Future Land Use Map and the development review process. Natural features may be included as amenities within a development project.

Policy 5.1.a: Topography: The City shall protect the natural topography of the City, including steep and seepage slopes, by requiring new development to include techniques to minimize negative impacts on the natural terrain. An emphasis will be placed on retaining the natural function of seepage slopes during development. Additionally, retention of existing native vegetation will be encouraged as one method of protecting slopes.

Policy 5.1.b: Soils: The City shall ensure soil protection and intervention measures are included in the development review process.

Policy 5.1.c: Flood prone areas: The City shall require as part of the development review process the identification of FEMA flood zone areas. Where necessary, base flood elevations and minimum finished floor elevations shall be established. The City shall also require finished floor elevations on subdivision plats, site plans and building permit plans when necessary to determine compliance with flood prone area regulations. The City shall establish standards for a limitation on filling in flood prone areas.

Policy 5.1.d: Wetlands: The City shall utilize statewide wetland delineation methodology in accordance with Florida Administrative Code (FAC) and regulations adopted by the FDEP and the Suwannee River Water Management District.

Policy 5.1.e: Habitat: The City shall require as part of the development review process, an inventory of listed species for all new developments in areas identified as known habitat for listed species if listed species are known to exist in close proximity to the development. The survey shall include detailed information regarding type, quantity, location, and habitat requirements for any listed species identified. A de minimus threshold for properties required to complete the inventory shall be established in the City's Land Development Regulations.

Analysis of Consistency with Objective 5.1 and Policies 5.1.a – e: The subject property has historically been used agricultural operations such as silviculture. The subject property includes an approximate .64 acre wetland area. Other than gopher tortoises there are no known listed plant or animal species located on the property. If any regulated plant or animal species is identified during development, the applicant must adhere to the applicable standards in the City of Alachua Comprehensive Plan and the Land Development Regulations.

Objective 5.2: Availability of facilities and services: All new development shall be planned and constructed concurrently with the availability of facilities and services necessary for the development.

Analysis of Consistency with Objective 5.2: The proposed preliminary plat has been reviewed for its impacts to all public facilities monitored for concurrency, including parks and education facilities. A complete analysis of these impacts can be found in the "Public Facilities Impact" section of this Report.

GOAL 9: Water and Wastewater Service:

The City will ensure that new development within the corporate limits, where potable water and wastewater service are available, as defined in Policy 1.2.a and Policy 4.2.a of the Community Facilities and Natural Groundwater Aquifer Recharge Element of the Comprehensive Plan, shall connect to the City of Alachua's potable water and wastewater system.

Policy 9.2: Any new residential subdivision within the corporate limits, where potable water service is available, as defined in Policy 4.2.a of the Community Facilities and Natural Groundwater Aquifer Recharge Element of the City of Alachua Comprehensive Plan, regardless of size, that is within either a Residential or Agriculture Future Land Use Map Designation shall connect to the City of Alachua's potable water system. Any new residential subdivision within the corporate limits, where wastewater service is available, as defined in Policy 1.2.a of the Community Facilities and Natural Groundwater Aquifer Recharge Element of the City of Alachua Comprehensive Plan, regardless of size, that is within a Residential Future Land Use Map Designation shall connect to the City of Alachua's wastewater system.

Analysis of Consistency with Goal 9 and Policy 9.2: Potable water is available to the site, as defined in Policy 4.2.a of the Community Facilities and Natural Groundwater Aquifer Recharge Element of the City of Alachua Comprehensive Plan.

Housing Element

Policy 1.1.a: The City shall encourage development of a variety of housing types including conventional single family homes, accessory dwelling units, multi-family units, group homes, assisted living facilities, foster care facilities, mobile homes and manufactured housing, and shall ensure that appropriate land use designations and zoning districts exist to accommodate each type.

Analysis of Consistency with Policy 1.1.a: This project would support additional housing within the City, thereby furthering Policy 1.1.a.

Recreation Element

Policy 1.2.b: The City shall adhere to a minimum level of service of five (5.0) acres of community, neighborhood or pocket park, per 1,000 persons, with a minimum of 20 percent of this in improved, passive parks.

Analysis of Consistency with Policy 1.2.b: An analysis of the impacts to recreation facilities has been provided within this report.

Transportation Element

Objective 1.1: Level of Service: The City shall establish a safe, convenient and efficient level of service standard for all motorized and non-motorized transportation systems.

Analysis of Consistency with Objective 1.1: An analysis of the impacts to transportation facilities has been provided within this report. There are no transportation facilities that

would be deficient as a result of this application.

Policy 1.4.b The City shall require any commercial, industrial, or residential development which must obtain site plan or subdivision approval to provide a sidewalk along the frontage of any collector street or arterial street when a sidewalk is not present along the frontage of the street. A sidewalk shall not be required if a sidewalk does not exist within 2,640 feet of the property on the same side of the collector or arterial street.

Analysis of Consistency with Policy 1.4.b: The proposed preliminary plat shows connections to the proposed Tara Baywood and Tara Forest East projects. There are no collector or arterial streets associated with this plat.

Community Facilities Element

Policy 1.2.a: The City shall establish a Community Wastewater Service Area, which includes all areas where wastewater service is available. Wastewater service shall be deemed available if:

1. A gravity water main exists within 100 feet of the property line of any lot with a residential land use category or an existing single family residence and wastewater service is accessible through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.
2. Gravity wastewater main exists with 500 feet of the property line of any proposed residential subdivision consisting of 5 units or less and the gravity wastewater system is accessible through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.
3. A gravity wastewater main, wastewater pumping station, or force main exists within 2,640 feet of the property line of any proposed residential subdivision comprised of more than 5 units, or any multi-family residential development, or any commercial development, or any industrial development and the gravity wastewater system, wastewater pumping station, or force main is accessible through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.

Analysis of Consistency with Policy 1.2.a: The subject property is located within the wastewater service area, and any future development on the subject property will be required to connect to a wastewater system. The proposed preliminary plat includes an area for a future lift station.

Policy 2.1.a: The City hereby establishes the following level of service standards for solid waste disposal facilities:

FACILITY TYPE	LEVEL OF SERVICE STANDARD
Solid Waste Landfill	.73 tons per capita per year

Analysis of Consistency with Objective 2.1.a: An analysis of the impacts to solid waste facilities has been provided within this report.

Policy 4.1.b: The City shall establish a Community Potable Water Service Area, which includes all areas where potable water service is available. Water service shall be deemed available if:

1. A water main exists within 100 feet of any lot within a residential land use category or an existing single family residence water service is accessible through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.
2. A water main exists within 500 feet of any proposed residential subdivision consisting of 5 units or less and water service is accessible through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.
3. A water main exists within 2,640 feet of any residential subdivision with more than 5 units, or any multi-family residential development, or any commercial development, or any industrial development and water service is accessible through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.

Analysis of Consistency with Policy 4.1.b: The subject property is located within the potable water service area, and any future development on the subject property will be required to connect to a potable water system.

Conservation and Open Space Element

OBJECTIVE 1.3: Listed Species

The City shall protect species listed by State and Federal agencies as endangered, threatened or of special concern, and their habitats.

Policy 1.3.a: The City shall ensure that its ordinances, regulations and policies protect listed species and their habitats.

Policy 1.3.b: The City shall utilize the development review process, land acquisition programs, environmental regulatory partnerships, stewardship programs and public education to protect listed species

and their habitat, and prevent extinction of or reduction in populations of listed species.

Policy 1.3.c: The City shall obtain data from the Florida Fish and Wildlife Conservation Commission, Alachua County Environmental Protection Department, Florida Department of Environmental Protection, to maintain a periodically updated inventory of listed species and habitats located within City limits or immediately adjacent to City limits. The City will use the Florida Natural Areas Inventory as a base inventory.

Policy 1.3.d: The City shall require prior to development approval, an inventory of listed species for all new developments in areas identified as known habitat for listed species. The inventory shall include detailed information regarding type, quantity, location and habitat requirements for any listed species identified. De minimus threshold for properties required to complete the inventory shall be established in the City's Land Development Regulations.

Policy 1.3.e: The City's land use designations shall provide for the protection of threatened and endangered species.

Analysis of Consistency with Objective 1.3 and Policies 1.3.a – e:

An environmental conditions and site suitability analysis has been provided separately in this report. Future development of the site must comply with the environmental protections established in the City of Alachua Comprehensive Plan and Land Development Regulations.

Objective 1.10: Wetlands

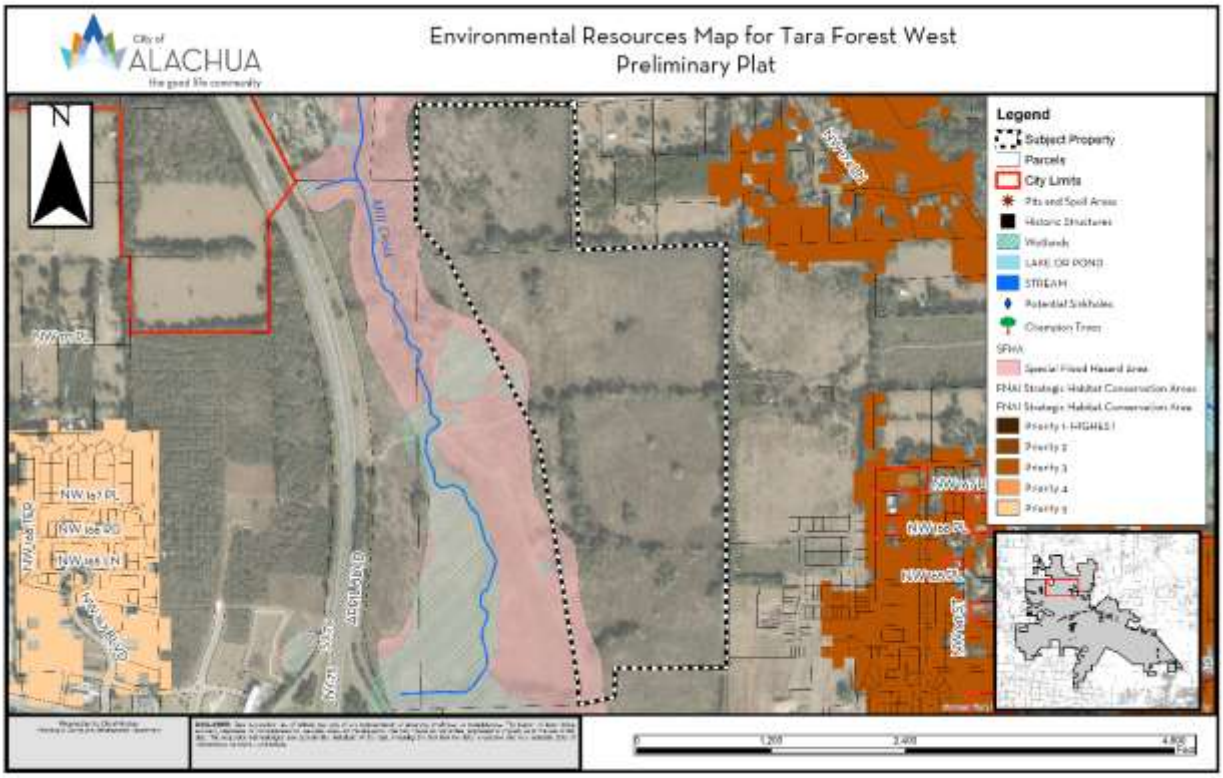
The City shall protect and preserve wetland values and functions from adverse, human caused, physical and hydrologic disturbances.

Analysis of Consistency with Objective 1.10:

There is an approximate .64-acre area of wetlands located on the subject property. Wetland separation requirements as outlined in Goals, Objectives, and Policies of the City's Comprehensive Plan have been adhered to. The applicant will be required to meet the applicable requirements of Alachua County as well.

ENVIRONMENTAL CONDITIONS & SITE SUITIBILITY ANALYSIS

Map 2. Environmental Features



Wetlands

According to the best available data, there are wetland areas located near the western boundary of the subject property.

Evaluation: Applicable standards in the City's Comprehensive Plan, Land Development Regulations, and Suwannee River Water Management District (SRWMD) regulations would apply to those areas identified as wetlands. The applicant will be required to obtain all applicable permits required related to wetlands and wetland buffers. The preliminary plat shows separation requirements from these wetland areas that meet the City of Alachua Comprehensive Plan Standards.

Strategic Ecosystems

Strategic Ecosystems were identified by an ecological inventory project in a report prepared for Alachua County Department of Growth Management in 1996. The purpose of the inventory was to identify, inventory, map, describe, and evaluate the most significant natural biological communities in private ownership in Alachua County.

Evaluation: The subject property is not located within or adjacent to a Strategic Ecosystem, therefore, the development will have no impact upon any Strategic Ecosystem(s) identified within the ecological inventory report.

Regulated Plant & Animal Species

The subject property is not known to contain any species identified as endangered, threatened, or of special concern, other than those described below. The Florida Natural Areas Inventory (FNAI) has identified areas throughout the State of Florida which may contain good quality natural communities. This data layer is known as the Potential Natural Areas (PNA) data layer, and identifies privately owned lands that are not managed or listed for conservation purposes. These areas were delineated by FNAI scientific staff through interpretation of natural vegetation from 1988-1993 FDOT aerial photographs and from input received during Regional Ecological Workshops held for each regional planning council. These workshops were attended by experts familiar with natural areas in the region. Potential Natural Areas were assigned ranks of Priority 1 through Priority 5 based on size, perceived quality, and type of natural community present. The areas included in Priority 5 are exceptions to the above criteria. These areas were identified through the same process of aerial photographic interpretation and regional workshops as the PNA 1 through 4 ranked sites, but do not meet the standard criteria.

Evaluation: An environmental assessment completed by Creative Environmental Solutions, Inc was submitted with the preliminary plat application. The only listed plant or animal species identified on site were gopher tortoises. The report indicates that there are approximately 7 gopher tortoise burrows on site. A condition has been added that will require 100% gopher tortoise surveys for any final plat submitted for this project.

Soil Survey

Each soil type found on the subject property is identified below. The hydrologic soil group is an indicator of potential soil limitations. The hydrologic soil group, as defined for each specific soil, refers to a group of soils which have been categorized according to their runoff-producing characteristics. These hydrologic groups are defined by the Soil Survey of Alachua County, Florida, dated August 1985. The chief consideration with respect to runoff potential is the capacity of each soil to permit infiltration (the slope and kind of plant cover are not considered, but are separate factors in predicting runoff). There are four hydrologic groups: A, B, C, and D. “Group A” soils have a higher infiltration rate when thoroughly wet and therefore have a lower runoff potential. “Group D” soils have very lower infiltration rates and therefore a higher runoff potential.

There are 14 soil types found on the subject property:

Soil Type	Hydrologic Group	Drainage Class	Dwellings without basements	% of Subject Property (may not total to 100% due to rounding)
Arredondo fine sand, 0 to 5 percent slopes	A	Well drained	Not limited	60.7
Fort Meade fine sand, 0 to 5 percent slopes	A	Well drained	Not limited	6.9
Millhopper sand, 0 to 5 percent slopes	A	Moderately well drained	Not limited	12.3
Lochloosa fine sand, 2 to 5 percent slopes	A	Somewhat poorly drained	Not limited	6.9
Kendrick sand, 2 to 5 percent slopes	B	Well drained	Not limited	4.9
Norfolk loamy fine sand, 2 to 5 percent slopes	B	Well drained	Not limited	7.5
Gainesville sand, 0 to 5 percent slopes	A	Well drained	Not limited	14.8
Pits and Dumps	NA	NA	Not rated	16.7
Arredondo fine sand, 5 to 8 percent slopes	A	Well drained	Not limited	12.7
Lochloosa fine sand, 5 to 8 percent slopes	B	Somewhat poorly drained	Not limited	8.2
Kendrick sand, 5 to 8 percent slopes	B	Well drained	Not limited	28.5
Blichton sand, 2 to 5 percent slopes	C/D	Poorly drained	Very limited	1.4
Bivans sand, 5 to 8 percent slopes	C/D	Poorly drained	Very limited	2.1
Norfolk loamy fine sand, 5 to 8 percent slopes	B	Well drained	Not limited	14.2

Evaluation: The majority of the area proposed for single family lots do not pose significant limitations for construction of single-family homes without basements. There is one small area (2.1 acres) that does pose significant limitations and will require further assessment at time of Construction Plan submittal for this phase.

Flood Potential

Panels 12001C0120D of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Series, dated June 16, 2006 indicates that the subject property contains areas with Flood Zone "X" (areas determined to be outside of the 500-year floodplain) and Flood Zone "A" (areas determined to be inside the 500-year floodplain with no base flood elevations provided) designations.

Evaluation: The floodplain hazard areas (Zone "A") are located along the western boundary of the subject property. Any development within the floodplain hazard area will be required to meet the standards set forth in Section 6.9 of the City's LDRs.

Karst-Sensitive Features

Karst sensitive areas include geologic features, such as fissures, sinkholes, underground streams, and caverns, and are generally the result of irregular limestone formations. The subject property is located within an area where sinkholes may potentially allow hydrologic access to the Floridan Aquifer System, however, best available data indicates that no sinkholes or known indicators of sinkhole activity are located on the subject property.

Evaluation: GIS data available from Alachua County indicated one potential karst sensitive area on site. Further geotechnical investigation by GSE Engineering & Consulting, Inc. on behalf of the applicant indicates that this area had sinkholes in the past, but that there is no active ground loss in other areas of the site.

Wellfield Protection Zone

Policy 7.2.1 of the Future Land Use Element of the Comprehensive Plan establishes a 500 foot radial buffer around city-owned potable water well.

Evaluation: The subject property is not currently located within a City of Alachua wellhead protection zone as identified on the City of Alachua Wellfield Primary Protection Zones Map of the Comprehensive Plan, therefore, there are no issues related to wellfield protection.

Historic Structures and Markers

The subject property does not contain any historic structures or markers as determined by the State of Florida and the Alachua County Historic Resources Inventory.

Evaluation: The subject property does not contain any historic structures or markers as determined by the State of Florida and the Alachua County Historic Resources Inventor, therefore, no issues related to historic structures or markers.

FINDINGS OF FACT: COMPLIANCE WITH LAND DEVELOPMENT REGULATIONS

SECTION 2.4.10(G)(3)(e), PRELIMINARY PLAT STANDARDS

Section 2.4.10(G)(3)(e) of the City's Land Development Regulations (LDRs) establishes the standards with which all major subdivision preliminary plats must be found to be compliant. The application has been reviewed for compliance with the standards of Section 2.4.10(G) (3) (e.) An evaluation and findings of the application's compliance with the applicable standards of Section 2.4.10(G)(3)(e) is provided below.

2.4.10(G)(3)(e) Subdivision preliminary plat standards. A subdivision preliminary plat shall be approved upon a finding the application complies with the standards in Article 7, Subdivision

Standards, all other relevant provisions of these LDRs, and all other relevant City ordinances and regulations.

Evaluation & Findings: The application has been reviewed for and is found to be in compliance with the applicable standards of Article 7, Subdivision Standards, including standards related to block length, lot arrangement, dimensions and design, and street arrangement.

PUBLIC FACILITIES IMPACT

The analysis of each public facility provided below represents an analysis of the impacts generated by the proposed Preliminary Plat- 523 single family dwelling units.

At present, the total impacts generated by the amendment are acceptable and are not anticipated to degrade the Level of Service (LOS) of any public facility. If development is proposed in the future, the applicant will be required to provide a comprehensive analysis of the impacts generated by such development upon public facilities. Facility capacity must be available to support the proposed development prior to the issuance of a final development order.

Per Section 2.4.14, preliminary plats are not preliminary development orders. Prior to any preliminary development order, the applicant will need to demonstrate how any deficiencies will be addressed. No final development order can be issued if the development would result in a deficiency for any public facility monitored for concurrency.

Traffic Impact

Table 3. Affected Comprehensive Plan Roadway Segments[1]

Segment Number[2,3]	Segment Description	Lanes	Functional Classification	Area Type	LOS
5 (107)	US 441 (from SR 235 to I-75)	4/D	Principle Arterial	Urban Trans	D

1 *Source: City of Alachua Comprehensive Plan, Traffic Circulation Element.*

2 *For developments generating 1,000 trips or greater, affected roadway segments are identified as all those wholly or partially located within · mile of the development's ingress/egress, or to the nearest intersecting major street, whichever is greater, and all roadway segments for which the proposed development's impacts are 5% or greater on the Maximum Service Volume (MSV) of the roadway [Section 2.4.14(H)(2)(b) of the LDRs].*

3 *FDOT roadway segment number shown in parenthesis. For the purposes of concurrency management, COA Comprehensive Plan segments that make up a portion of a larger FDOT roadway segment will be evaluated together when determining post development roadway capacity*

Table 4. Potential Trip Generation

	Land Use	AADT (Enter/Exit)	AM Peak Hour (Enter/Exit)	PM Peak Hour (Enter/Exit)
Tara Forest East 4 S/D Preliminary Plat	Residential [1]	4,932 (2,466/2,466)	397 (103/294)	492 (314/178)
Potential Trips		**4,932 (2,466/2,466)**	**397 (103/294)**	**492 (314/178)**

1 ITE Code 210: AADDT= 9.43 trips/ unit = 523 x 9.43 (50% enter/ 50% exit); PM Peak = .94 trips/ unit = 523 x .94 (64% enter / 36% exit); AM Peak = .76 trips/ unit = 523 x .76 = 87 (26% enter/ 74 % exit)

Table 5. Potential Impact of Affected Comprehensive Plan Roadway Segments

Traffic System Category	US 441 (from SR 235 to I-75)[1]
Maximum Service Volume[2]	39,000
Existing Traffic[3]	25,096
Reserved Trips[4]	3,107
Available Capacity[4]	10,797
Potential Impact Generated by Proposed Preliminary Plat[5]	4,932
Residual Capacity after Proposed Preliminary Plat[6]	**5,865**
PM Peak Hour Traffic Analysis	**US 441 (from SR 235 to I-75)[1]**
Maximum Service Volume[2]	3,510
Existing Traffic[3]	2,198
Reserved Trips[4]	268
Available Capacity[4]	1,044
Potential Impact Generated by Proposed Preliminary Plat[5]	492
Residual Capacity after Proposed Preliminary Plat[6]	**552**

1 FDOT roadway segment number shown in parenthesis. For the purposes of concurrency management, COA Comprehensive Plan segments that make up a portion of a larger FDOT roadway segment will be evaluated together when determining post development roadway capacity.
2 AADT & Peak Hour MSVs calculated using LOSPLAN 2012. County Facilities reflect a 10 percent reduction in the MSV calculated within LOSPLAN 2012 as set forth in the Generalized Tables for AADT / Peak Hour Volumes, FDOT 2018 Q/LOS Handbook.
3 Florida Department of Transportation, District Two, Level of Service Reporting Tool , accessed April 14, 2022
4 Source: City of Alachua May 2024 Development Monitoring Report.
5 ITE Code 210: AADDT= 9.43 trips/ unit = 523 x 9.43 (50% enter/ 50% exit); PM Peak = .94 trips/ unit = 523 x .94 (64% enter / 36% exit); AM Peak = .76 trips/ unit = 523 x .76 (26% enter/ 74 % exit)
6 The application is for a PRELIMINARY Development Order. Concurrency will NOT be reserved.

Evaluation: As shown in Table 5, affected segment 5 will not be deficient after the proposed preliminary plat. Concurrency and impacts to the City's transportation network will be reevaluated when any application for a final development order (final plat).

Potable Water Impacts

Table 6. Potable Water Impacts

System Category	Gallons Per Day
Current Permitted Capacity*	2,300,000
Less Actual Potable Water Flows*	1,548,250
Reserved Capacity*	401,945
Potential Potable Water Demand from Proposed Amendment **	143,825
Residual Capacity	**205,980**
Percentage of Permitted Design Capacity Utilized	**91.04%**

Sources:
** City of Alachua September 2023 Development Monitoring Report*
***City of Alachua Comprehensive Plan Potable Water Level of Service of 275 gallons/du/ day x 523 units*

Evaluation: The proposed preliminary plat would increase the maximum potential demand from the development of the subject property by 143,825 gallons per day at build out. This analysis is based on the practicable development potential of 523 residential dwellings that would be permitted by the proposed preliminary plat. Concurrency and impacts to the City's utility systems will be reevaluated at the final plat review stage. Policy 4.1.c.3, of the Community Facilities Element of the City's Comprehensive Plan requires that no development orders be issued until additional capacity becomes available or funds to increase facility capacity are committed. The City is currently working on a new well-field project that has been funded and has initiated the process to increase permitted design capacity. It is anticipated that the proposed development will not adversely affect the Level of Service ("LOS") for potable water facilities, and the impacts are therefore acceptable.

Sanitary Sewer Impacts

Table 7. Sanitary Sewer Impacts

System Category	Gallons Per Day
Treatment Plant Current Permitted Capacity*	1,500,000
Less Actual Treatment Plant Flows*	764,000
Reserved Capacity*	376,009
Projected Potential Wastewater Demand from Proposed Amendment **	130,750
Residual Capacity	**441,276**
Percentage of Permitted Design Capacity Utilized	**84.71%**

Sources:
** City of Alachua May 2024 Development Monitoring Report*
***City of Alachua Comprehensive Plan Potable Water Level of Service of 250 gallons/du/ day x 523 units*

Evaluation: The proposed preliminary plat would increase the maximum potential demand from the development of the subject property by 130,750 gallons per day. This analysis is based on the practicable development potential of 523 residential dwellings that would be permitted by the proposed preliminary plat. Concurrency and impacts to the City's utility systems will be reevaluated at the final plat review stage. It is anticipated that the proposed development will not adversely

affect the Level of Service ("LOS") for sanitary sewer facilities, and the impacts are therefore acceptable.

Recreational Impacts

Table 8a. Recreational Impacts

System Category	Acreage
Existing City of Alachua Recreation Acreage[1]	135.48
Acreage Required to Serve Existing Population[2]	55.08
Reserved Capacity[1]	10.83
Potential Demand Generated by Development[3]	6.75
Residual Recreational Capacity After Impacts	**62.83**

Sources:
1 *City of Alachua May 2024 Development Monitoring Report.*
2 *Bureau of Economic & Business Research, University of Florida, Estimates of Population (2021); Policy 1.2.b, Recreation Element; Policy 1.2.b, Recreation Element (Formula: 10,756 persons / [5 acres/1,000 persons])*
3 *US Census Bureau; Policy 1.2.b, Recreation Element (Formula: 2.5 persons per dwelling x 523 dwellings / [5 acres/1,000 persons])*

Table 8b. Improved Passive Park Space Analysis

Minimum Improved Passive Park Space Required to Serve Existing Population & Reserved Capacity[1]	13.18 acres
Acreage Required to Serve Demand Generated by Development[2]	1.35 acres
Total Area Required to Serve Existing Population, Reserved Capacity, & Demand Generated by Development	14.53 acres
Existing Improved Passive Park Space[1]	34.82 acres
Improved, Passive Park Space Utilized by Existing Population, Reserved Capacity, & Demand Generated by Development[3]	**41.73 %**

1 *Source: City of Alachua May 2024 Development Monitoring Report.*
2 *Formula: Recreation Demand Generated by Development (6.75 acres) x 20%.*
3 *Formula: Total Improved Passive Park Space / (Acreage Required to Serve Existing Population + Reserved Capacity + Acreage Required to Serve Demand Generated by Development.)*

Evaluation: The proposed preliminary plat would increase the maximum potential demand from the development of the subject property by 6.75 recreational acres, and for improved passive park space by 1.35 acres. Concurrency and impacts to the City's recreation system will be reevaluated at the final plat review stage. It is anticipated that the proposed development will not adversely affect the Level of Service ("LOS") of recreational facilities; therefore, the impacts are acceptable.

Solid Waste Impacts

Table 9. Solid Waste Impacts

System Category	Lbs Per Day	Tons Per Year
Existing Demand[1]	44,060.00	8,040.95
Reserved Capacity[2]	47,884.21	8,738.87
Projected Solid Waste Demand from Application[3]	5,397.36	985.02
New River Solid Waste Facility Capacity[4]	**50 years**	

Sources:
1 *University of Florida, Bureau of Economic & Business Research, Estimates of Population by County and City in Florida, April 1, 2023; Policy 2.1.a, CFNGAR Element (Formula: 10,756 persons x 0.73 tons per year)*
2 *City of Alachua May 2024 Development Monitoring Report*
3 *Policy 2.1.a, CFNGAR Element (Formula: .73 tons x 523 dwellings/yr per capita)*
4 *New River Solid Waste Facility, April 2024*

Evaluation: The proposed preliminary plat would increase the maximum potential demand from the development of the subject property by 985.02 tons per year. Concurrency and impacts to the solid waste system will be reevaluated at the final plat review stage. It is anticipated that the proposed amendment will not adversely affect the Level of Service ("LOS") of solid waste facilities; therefore, the impacts are acceptable.

Public School Impact

The School Board of Alachua County (SBAC) Final determination is required prior to issuance of any final development order in accordance with the City's Comprehensive Plan, specifically Policies 1.1.b, 1.1.c, 1.1.e, and 1.1.f of the Public School Facilities Element. A preliminary capacity determination was issued by SBAC that indicated that capacity was available to meet student station demand created by this development. At this time, it is anticipated that the proposed preliminary plat will result in a demand of 141 total student stations (63 for elementary, 31 for middle, and 47 for high school).

Any future determination must find that the students generated by the proposed preliminary plat can be reasonably accommodated for the five, ten, and twenty year planning periods at the elementary, middle, and high school levels.

Upon submittal of any final subdivision plat, the development will be subject to a concurrency review and determination of the availability of school capacity at the time of such review.

EXHIBIT "A"

TO

TARA FOREST, LLC
(TARA FOREST WEST SUBDIVISION)
PRELIMINARY PLAT
STAFF REPORT

CONDITIONS:

1. If any development is proposed to take place within a Special Flood Hazard Area, base flood elevations will be required to be established in accordance with Section 6.9.4 (E)(1)(b) at time of Construction Plan or building permit application.
2. Prior to the Issuance of a Certificate of Completion for Improvements or release of the Plat for Phase 1 of the Tara Forest West subdivision, an improved roadway connection to US Highway 441 through the project currently known as Tara Phoenicia shall be completed and approved by the City. The Plat for Phase 1 shall not be released or recorded until improved roadway connection to US Highway 441 has been completed.
3. Concurrent with the submittal of a final plat application for Phase 3 of the Tara Forest West subdivision, the applicant shall provide an intermediate traffic impact study which is approved by the City and that analyses the operations and safety of the existing traffic pattern. The developer shall make any improvements required by the City, at the City's sole discretion, at Developer's expense, associated with the proportionate share of any deficiencies identified in the revised traffic impact analysis. The Final Plat for Phase 3 shall not be released or recorded until any improvements noted in the intermediate traffic impact study have been completed and approved by the appropriate jurisdiction.
4. Concurrent with the submittal of any application for construction plans that include Phase 4 of the Tara Forest West subdivision, a revised traffic impact analysis report shall be provided to and accepted by the City for review. This study must include the second connection to US 441 for the project and include an intersection control evaluation (ICE) for the proposed connection. The developer shall make any improvements required by the City, at the City's sole discretion, at Developer's expense, associated with the proportionate share of any deficiencies identified in the revised traffic impact analysis.
5. Prior to the Issuance of a Certificate of Completion for Improvements or release of the Plat for Phase 4 of the Tara Forest West subdivision, a second connection to US Highway 441 through the project currently known as Tara Phoenicia shall be completed. The Plat for Phase 4 shall not be released or recorded until the second improved roadway connection to US Highway 441 has been completed.
6. Traffic calming measures shall be provided approximately every 500 feet and at connections to existing subdivisions. Traffic calming measures shall also be provided at connections to subdivisions for which a preliminary plat has been approved. Traffic calming measures include, but are not limited to traffic islands, speed humps, speed bumps, speed tables, or 4 way controlled intersections.
7. A 100% gopher tortoise survey shall be completed for any area subject to development in any final plat submitted. The survey shall be valid for a period of three years from date of report and must include a list of all local, state, and federal permits required for relocation of any gopher tortoises encountered on site.

8. Construction Plans that include any area found to have Blichton sand (2 to 5 percent slopes) or Bivans sand (5 to 8 percent slopes) shall address remediation and design considerations for these soils.
9. Modifications to these conditions shall require the approvals necessary for the approval of preliminary plats, including recommendation by the Planning and Zoning Board and approval by the City Commission.
10. The applicant acknowledges and agrees that the applicant and owner will obtain all other applicable local, state, and federal permits before the commencement of site work.
11. A recorded access easement as described in the submitted sketch shall be provided prior to any Planning and Zoning hearing.
12. The applicant acknowledges and agrees that Conditions 1-11 as stated above do not inordinately burden the land and shall be binding upon the property owners, including any subsequent property owners, successors, or assigns.

EXHIBIT "B"

TO

TARA FOREST, LLC
(TARA FOREST WEST SUBDIVISION)
PRELIMINARY PLAT
STAFF REPORT

SUPPORTING APPLICATION MATERIALS SUBMITTED BY CITY STAFF TO THE PLANNING AND ZONING BOARD

Independent Review of the Traffic Impact Study Update for the Tara Forest West & Tara Phoenicia Stage 1 Development Project for the City of Alachua, Florida; Prepared by Volkert, Inc., May 2024

At the request of the City of Alachua, FL, Planning and Community Development Department, Volkert, Inc., conducted an independent review of the Traffic Impact Study Update for the Tara Forest West & Tara Phoenicia Stage 1 Development Project. This project is located on the north side of US 441 (Florida Department of Transportation State Highway) and west NW 147th Drive (City of Alachua Road). The Traffic Impact Study Update was prepared by Hagen Consulting Services, LLC in May 2024.

The Tara Forest West & Tara Phoenicia Stage 1 Development Traffic Impact Study Update is an update of the original traffic study for this project that was prepared by Buckholz Traffic in 2021. The Buckholz Traffic Study had the vast majority of project traffic accessing US 441 via the existing traffic signal at US 441/NW 147th Drive and at a median opening on US 441 that is west of NW 147th Drive. Traffic from Tara Forest West & Tara Phoenicia (TFWTP) would access NW 147th Drive via NW 157th Lane. This access management plan was very efficient and did not require any additional traffic signalization on US 441 for project traffic. Between the completion of the Buckholz Traffic Study in 2021 and the updated traffic impact study in 2024, property ownership along NW 157th Lane had changed. This change in ownership made it no longer practical for the TFWTP project to use NW 157th Lane to access NW 147th Drive and the existing traffic signal on US 441. In addition, the City of Alachua, in its long-range transportation plan, anticipates construction of the Peggy Road Connector project. This project will construct a new traffic signalized intersection on US 441 just west of the TFWTP project, at the location that was planned for the never constructed Super Walmart project access road on the south side of US 441. These changes resulted in a significant challenge for the access management plan for the TFWTP project and will require significant coordination with the Florida Department of Transportation (FDOT) District 2 Office.

The Tara Forest West portion of the project is residential, and the Tara Phoenicia portion of the project is commercial. In order to proceed with the TFWTP project, the developer decided to break the TFWTP project into two stages. Stage 1 will consist of only the first three residential phases planned for completion in 2025, 2027 and 2029 in Tara Forest West. Stage 2 will construct the remaining residential phases in Tara Forest West and the commercial development in Tara Phoenicia. Stage 1 will have one street at a median opening on US 441 that aligns with the east portion of Tara Forest West (east connection). This median opening on US 441 will be a directional median opening (allows right in/right out/left in and prohibits left out). Traffic in Stage 1 that exits onto US 441 and is headed east will have to travel a short distance west on US 441 to the next median opening and make a U-Turn to head east. A new traffic study will be required in conjunction with Stage 2. This new traffic study will address the issue with the concept of having the proposed Peggy Road/US 441 traffic signal also provide access to the TFWTP project. The Stage 1 TFWTP project contains 269 residential lots that will generate 2,508 daily trips with 183

AM peak hour trips (46 entering, 137 exiting) and 252 PM peak hour trips (159 entering, 93 exiting). The Stage 1 TFWTP project buildout year is 2029.

The independent review of the Traffic Impact Study Update (Study) will include the following:

- Review of the Introduction.
- Review of the Background of this Report.
- Review of the Existing Conditions.
- Review of Trip Generation.
- Review of Access Changes.
- Review of Phasing of the Development.
- Review of Intersection Level of Service (LOS) Analysis.
- Review of Stage 1 – Analysis of Operations.
- Review of Conclusions and Recommendations.
- Listing of any additional Volkert Comments/Recommendations.

Review of the TFWTP Stage 1 Development Project Traffic Impact Study Update

Introduction

This section of the Study provides a description of the project, its location (shown on Figure 1) and states the three purposes of the Study. The three purposes of the Study are:

1. Update the trip generation estimates for the project from the original Buckholz Study in 2021 (utilized the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 10th Edition)* to the new ITE *Trip Generation Manual, 11th Edition.*
2. Address changes in the proposed access management (ingress/egress to/from US 441) for the project.
3. Present a plan for development of the project.

Volkert Comments/Suggestions:

1. For reference, the previous Buckholz Traffic Study should be included in the Study Appendix.
2. At the end of this section, it references that the Master Phasing Plan drawing for Tara Forest West is included in Appendix A. On this master plan drawing are three streets that head south to US 441. However, the drawing does not show how these three streets become one street that becomes the direct connection to US 441 (east connection). Changes to this drawing, or an additional drawing, are needed to clarify how these three streets become one street and access US 441.

Background of this Report

This section of the Study describes how the Study proceeded to its current status. An updated Study was submitted to the City in December 2023. The City of Alachua and the Florida Department of Transportation requested the following modifications to the submitted Study:

1. Provide a higher level of commercial development in Tara Phoenicia that would increase the number of trips generated (provide higher intensity land uses that would be anticipated).
2. Recommend that the new traffic signal that was originally proposed on US 441 for the later stages of the TFWTP project (west connection) be located at the proposed Peggy Road connector intersection on US 441 that the City of Alachua and FDOT are proposing.

Given that the Peggy Road connector project will require several years to become a reality, the developer of TFWTP decided to separate the project into two Stages. Stage 1 will consist of just the first three phases of Tara Forest West (buildout year of 2029). Stage 2 will consist of the final three phases of Tara Forest West and Tara Phoenicia. This staged approach will allow the project to start development while the details of the Peggy Road connector intersection on US 441 are finalized. An additional traffic study will be required before Stage 2 of the project can proceed. Volkert concurs with the information in this section and has no comments or suggestions.

Existing Conditions

This section of the Study describes the existing conditions on US 441 in the vicinity of the TFWTP project. Volkert concurs with the information in this section and has no comments or suggestions.

Trip Generation

This section of the Study documents the trip generation for the Tara Forest West residential portion of the project at full buildout (538 units). The trip generation was calculated based on the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition.* This document is accepted by transportation engineering and planning agencies nationwide as the reliable source for estimating trips generated by various types of land uses. ITE Land Use Code 210, Single Family Detached Housing, was utilized to calculate the trip generation. The trip generation for the Tara Phoenicia portion of the project was not calculated because the type of commercial land use has not been determined at this point in the development of the project.

At full buildout, the Tara Forest West residential portion of the project will generate approximately 4,745 daily trips. The AM peak hour trip generation is estimated to be 344 AM peak hour trips (86 inbound/258 outbound). The PM peak hour trip generation is estimated to be 483 PM peak hour trips (304 inbound/179 outbound). The trip generation was correctly calculated and is shown in Table 1. Volkert concurs with the information in this section and has no comments or suggestions.

Access Changes

This section of the Study describes the access/roadway changes on US 441 needed to accommodate the TFWTP project. As was stated previously, the original access plan in the Buckholz Study was to utilize the existing traffic signal at US 441/NW 147th Drive via NW 157th Lane and a stop-controlled access at an existing median opening on US 441. This median opening on US 441 would be converted to a directional median opening. Since it was no longer feasible for the project to access NW 157th Lane, the access plan for the originally submitted TFWTP Updated Traffic Study was to utilize two direct connections onto US 441. As was previously stated, this concept was modified to (1) a direct connection onto US 441 for Stage 1 (east

connection), and (2) incorporate the planned US 441/Peggy Road connector traffic signal as the second access point for Stage 2. In addition, indirect minor connections will be available through the approved Tara Forest East and Tara Baywood developments.

Volkert Comments/Suggestions:

1. The following need to be clearly stated in the Study:
    a. All traffic that exits the east connection and is headed east on US 441 has to first travel west on US 441 to the next median opening and then make a U-turn at that median opening to travel east on US 441.
    b. The existing median opening on US 441 just west of the proposed east connection will be closed.
    c. The U-turn maneuver will occur at the second existing median opening that is west of the proposed east connection. This median opening is also the general location of the proposed Peggy Road signalized intersection of US 441.
2. At the median opening where the U-turn maneuver will take place, perform the following:
    a. For the AM peak hour, determine the length of the left turn lane and the standard deceleration taper (the AM peak hour is the longest anticipated queue for this left turn lane).
    b. Will the existing left turn lane at this median opening have to be extended? If yes, by how much?
    c. If the left turn lane must be extended, the design has to satisfy the appropriate FDOT design standards.
    d. State how the traffic distribution for the AM peak hour was estimated.
3. A discussion on FDOT access management median opening spacing standards on US 441 for Stage 1 should be included in the Study. Does the access management plan for Stage 1 satisfy FDOT access management standards?
4. A right turn lane on US 441 at the east connection should be constructed. This right turn lane will improve traffic safety and capacity. The length of the right turn lane and the deceleration taper need to be determined using the FDOT Multimodal Access Management Guidebook.
5. Volkert highly recommends that an additional drawing(s) be added to the Study to clarify the proposed access management for the TFWTP project. This drawing(s) needs to show the following.
    a. The section of US 441 from NW 147th Drive (access to Lowes) to April Blvd.
    b. The existing median openings and the distances between the median openings along this section of US 441.
    c. Where NW 149th Terrace and NW 158th Lane intersect US 441. When reading the Study, it is assumed that the Stage 1 east connection from Tara Forest West to US 441 aligns with the existing median opening on US 441. This median opening will align with NW 149th Terrace and NW 158th Lane on the south side of US 441. Is this alignment correct? If yes, it needs be stated in the Study that the directional median opening on US 441 at the Tara Forest West east connection will need to be designed to accommodate (1) eastbound traffic on US 441 turning left into the Tara Forest West east connection, and (2) westbound traffic on US 441 turning left

into NW 149th Terrace and NW 158th Lane. If the proposed directional median opening on US 441 does not align with NW 149th Terrace and NW 158th Lane, this needs to be stated in the Study along with how these two streets will be accessed by westbound traffic on US 441.

d. Where the Stage 1 east connection from Tara Forest West is to be located on US 441.
e. The location on US 441 for the proposed Peggy Road/US 441 traffic signalized intersection.

6. A list of all the intersections and/or roadway modifications on US 441 for Stage 1 should be included in this section.
7. All drawings in the Study should be 8.5 x 11 inches.

Phasing of the Development

This section of the Study describes the proposed phasing of the Tara Forest West residential portion of the project. It needs to be noted that the incorporation of the US 441/Peggy Road connector traffic signal may change the phasing and/or access management of the project for later stages of development. Volkert concurs with the information in this section and has no comments or suggestions.

Intersection Level of Service (LOS) Analysis

This section of the Study documents the LOS for the PM peak hour at the intersection of the east connection from Tara Forest West at the directional median opening on US 441. The LOS was computed using the procedures outlined in the Transportation Research Board's *Highway Capacity Manual (HCM).* The 2025 traffic from the Buckholz traffic study was used along with the trips generated from Tara Forest West. In addition, a two percent annual traffic growth rate was utilized for traffic on US 441. The LOS was computed for the six development phases of the Tara Forest West project. All traffic from Tara Forest West was assumed to use this one direct connection.

The LOS analysis showed that the one direct connection to US 441 can satisfactorily accommodate the Tara Forest West Traffic for the first three phases of development. The LOS starts to break down (unacceptable LOS) with phase 4 and an additional connection from Tara Forest West to US 441 would be needed. However, by dividing the TFWTP project into two phases, only the first three phases are being considered for approval at this time. Therefore, the Stage 1 portion of the TFWTP project has acceptable LOS at the one direct connection onto US 441 at the directional median opening.

Volkert Comments/Suggestions:

1. An AM peak hour LOS analysis should be performed for this intersection.
2. Determine the length of the left turn lanes at the directional median opening. Turn lane lengths should be based on the expected queue length and standard deceleration taper length.

Stage 1 – Analysis of Operations

This section of the Study documents the Highway Capacity Analysis Summary for the PM peak hour for the east connection from Tara Forest West at the directional median opening on US 441. This is a stop-controlled intersection (no traffic signal). The HCM for stop controlled intersections is pessimistic in providing LOS for this type of intersection. The HCM analysis shows that the first three phases of the Tara Forest Development will operate at a satisfactory LOS.

Volkert Comments/Suggestions:

1. The results of the AM peak hour LOS analysis need to be added to this section.

Conclusions and Recommendations

This section of the Study lists the conclusions and recommendations for Stage 1 of the Tara Forest West project. These are as follows.

1. At ultimate buildout, the Tara Forest West residential project will generate 4,745 total trips. The AM peak hour will generate 344 trips; the PM peak hour will generate 483 trips.
2. For Stage 1, the Tara Forest West residential project will generate 2,508 total trips. The AM peak hour will generate 183 trips; the PM peak hour will generate 252 trips.
3. For Stage 1, the stop sign controlled directional median opening on US 441 at the east connection to Tara Forest West can accommodate project traffic.
4. The Study recommendation is to construct the first three phases of the Tara Forest West residential project with the east connection located at the directional median opening on US 441.

Volkert Comments/Suggestions:

1. A list of all the intersection and/or roadway modifications on US 441 for Stage 1 should be included in this section.

Additional Volkert Comments/Recommendations

1. It should be stated in the Study that US 441 has been field reviewed to guarantee that all the recommended intersection and roadway modifications can be constructed.
2. After an FDOT roadway connection permit has been approved and constructed, it can be difficult to modify it at a future time. The total access management plan for this project, Stage 1 and 2, should be conceptually described in the Study.
3. It should be stated in the Study that it is possible that at some time in the future, the U-turn maneuver on US 441 at the median opening west of the east connection may become problematic with respect to traffic safety and/or capacity. Stage 2 may be required to construct innovative intersection and/or roadway designs on US 441 to address this situation. An Intersection Control Evaluation (ICE) would be required and included in any future traffic studies.
4. The City of Alachua needs to closely coordinate this project with Alachua County to ensure neither agency is responsible for improvements associated with this project.
5. It Is important to keep in mind that this Study only impacts Stage 1 of the TFWTP project. It is essential that a new traffic study be prepared before any additional phases/Stage 2

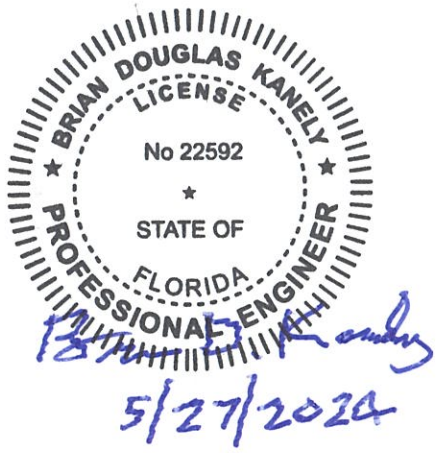
of this project are approved. More than one additional traffic study for this project may be required as this project progresses to completion.

6. The future west connection for this project may be required to coordinate with and/or connect to the future Peggy Road Connector signalized intersection on US 441.
7. US 441 is an FDOT highway. It also serves as an alternate route for I-75 traffic when an incident closes a portion of I-75. The City of Alachua needs to closely coordinate with FDOT on any development projects that impact US 441 in the City of Alachua city limits.
8. Volkert has had the opportunity to perform independent reviews on numerous projects for the City of Alachua. All of these projects impact sections of US 441 from the south city limits (near the intersection of US 441/NW 43rd Street) to the north city limits (NW 188th Street). The TFWTP project discussed in this review impacts the section of US 441 between CR 235 by Alachua Elementary School to I-75. Eventually this section of US 441 will need modifications to address the traffic impacts from annual traffic growth on US 441 and from city approved developments along this section of US 441. Volkert recommends that the City of Alachua request FDOT to conduct a corridor study of US 441 through the City of Alachua. Numerous approved development projects will be impacting US 441 over the upcoming decade. Also, the planned Peggy Road connection at the old Walmart Super Center site will have significant impacts on US 441. A comprehensive approach to the US 441 corridor would be valuable to addressing traffic capacity and safety along US 441.

Volkert, Inc. appreciates the opportunity to assist the City of Alachua with this independent review of the Tara Forest West Tara Phoenicia project. Please contact me if you have any questions or need additional information.

Prepared by:

Brian D. Kanely, P.E.
Senior Traffic Engineer
Volkert, Inc.
May 27, 2024
Cell: 352-262-3580
Email: briank5030@outlook.com



City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

May 23, 2024

Also sent by electronic mail to logan.peters@jbpro.com

Logan Peters, P.E.
JBrown Professional Group, LLC
3530 NW 43rd Street
Gainesville, FL 32606

RE: Project Assistance Team (PAT) Comments for Tara Forest West Preliminary Plat (PPP21-0005)

Dear Ms Peters:

On May 2, 2024, the City of Alachua received your revised application for the Preliminary Plat of Tara Forest West, which proposes to subdivide a ±200.68 acre subject property into a total of 538 lots (consisting of Tax Parcel Numbers 03067-001-000 and 03008-000-000), with associated common areas, open space, stormwater management facilities, and right-of-way.

The revised application has been reviewed for compliance with the applicable review standards, including the City's Comprehensive Plan and Land Development Regulations (LDRs). Based upon Staff's review, revisions must be made to the application before it may be scheduled for a public hearing before the City's Planning & Zoning Board (PZB). Please address all insufficiencies outlined below in writing and provide an indication as to how they have been addressed by 4:00 PM on Thursday, May 30, 2024. A total of four (4) copies of the complete application package (i.e., all application materials and attachments) and a CD containing a PDF of all application materials must be provided by this date. Upon receipt of your revised application, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the PZB. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time.

Please address the following insufficiencies:

Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations. **

E. Outside Review

a. Address all comments issued by Brian Kanely, P.E., of Volkert, Inc in his letter submitted May 12, 2024 and attached to this letter. These comments have also been provided to Hagen Consulting Services, LLC separately.

G. Informational

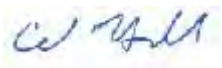
a. If any development is proposed to take place within a Special Flood Hazard Area, base flood elevations will be required to be established in accordance with Section 6.9.4 (E)(1)(b) at time of Construction Plan application.

b. Conditions will be proposed as part of any recommended approval. Subject to change, draft conditions can be found below:
    i. Prior to the Issuance of a Certificate of Completion for Improvements for Phase 1 of the Tara Forest subdivision, an improved roadway connection to US Highway 441 through the project currently known as Tara Phoenicia shall be completed.
    ii. Concurrent with the submittal of any application for construction plans that include Phase 4, a revised traffic impact analysis report shall be provided to the City for review. The developer shall make any improvements required, at Developer's expense, associated with the proportionate share of any deficiencies identified in the revised traffic impact analysis.
    iii. Prior to the Issuance of a Certificate of Completion for Improvements for Phase 4 of the Tara Forest subdivision, a second connection to US Highway 441 through the project currently known as Tara Phoenicia shall be made.
    iv. Traffic calming measures shall be provided approximately every 500 feet and at connections to existing or approved subdivisions. Traffic calming measures include, but are not limited to traffic islands, speed humps, speed bumps, speed tables, or 4 way controlled intersections.
    v. A 100% gopher tortoise survey shall be completed for any area subject to development in any final plat submitted. The survey shall be valid for a period of three years from date of report and must include a list of all local, state, and federal permits required for relocation of any gopher tortoises encountered on site.
    vi. Modifications to these conditions shall only be done in accordance with the original preliminary plat approval process.

New Comment: Zoning Exhibit cites Future Land Use Amendment Ordinance and displays Future Land Use Designations. Please see attached Ordinance and revise zoning exhibit accordingly.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1603 or via e-mail at ahall@cityofalachua.com. We look forward to receiving your revised application.

Sincerely,



Adam Hall, AICP
Principal Planner

/attachments
cc: Kathy Winburn, Planning & Community Development Director
Justin Tabor, AICP, Principal Planner
Carson Crocket, AICP Candidate, Planner
Project File

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

May 21, 2024

Also sent by electronic mail to logan.peters@jbpro.com

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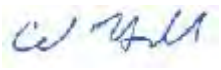

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DRAFT

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This section of the Study describes how the Study proceeded to its current status. An updated Study was submitted to the City in December 2023. The City of Alachua and the Florida Department of Transportation requested the following modifications to the submitted Study:

1. Provide a higher level of commercial development in Tara Phoenicia that would increase the number of trips generated (provide higher intensity land uses that would be anticipated).

2. Recommend that the new traffic signal that was originally proposed on US 441 for the later stages of the TFWTP project (west connection) be located at the proposed Peggy Road connector intersection on US 441 that the City of Alachua and FDOT are proposing.

Given that the Peggy Road connector project will require several years to become a reality, the developer of TFWTP decided to separate the project into two Stages. Stage 1 will consist of just the first three phases of Tara Forest West (buildout year of 2029). Stage 2 will consist of the final three phases of Tara Forest West and Tara Phoenicia. This staged approach will allow the project to start development while the details of the Peggy Road connector intersection on US 441 are finalized. An additional traffic study will be required before Stage 2 of the project can proceed. Volkert concurs with the information in this section and has no comments or suggestions.

Existing Conditions

This section of the Study describes the existing conditions on US 441 in the vicinity of the TFWTP project. Volkert concurs with the information in this section and has no comments or suggestions.

Trip Generation

This section of the Study documents the trip generation for the Tara Forest West residential portion of the project at full buildout (538 units). The trip generation was calculated based on the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition.* This document is accepted by transportation engineering and planning agencies nationwide as the reliable source for estimating trips generated by various types of land uses. ITE Land Use Code 210, Single Family Detached Housing, was utilized to calculate the trip generation. The trip generation for the Tara Phoenicia portion of the project was not calculated because the type of commercial land use has not been estimated at this point in the development of the project.

At full buildout, the Tara Forest West residential portion of the project will generate approximately 4,745 daily trips. The AM peak hour trip generation is estimated to be 344 AM peak hour trips (86 inbound/258 outbound). The PM peak hour trip generation is estimated to be 483 PM peak hour trips (304 inbound/179 outbound). The trip generation was correctly calculated and is shown in Table 1. Volkert concurs with the information in this section and has no comments or suggestions.

Access Changes

This section of the Study describes the access/roadway changes on US 441 needed to accommodate the TFWTP project. As was stated previously, the original access plan in the Buckholz Study was to utilize the existing traffic signal at US 441/NW 147th Drive via NW 157th Lane and a stop-controlled access at an existing median opening on US 441. This median opening on US 441 would be converted to a directional median opening. The access plan for the originally submitted TFWTP Updated Traffic Study was to utilize two direct connections onto US 441. As was previously stated, this concept was modified to (1) a direct connection onto US 441 for Stage 1 (east connection), and (2) incorporate the planned US 441/Peggy Road connector traffic signal as the second access point for Stage 2. In addition, indirect minor connections will be available through the approved Tara Forest East and Tara Baywood developments.

Volkert Comments/Suggestions:

1. Volkert highly recommends that an additional drawing(s) be added to the Study to clarify the proposed access management for the TFWTP project. This drawing(s) needs to show the following.
    a. The section of US 441 from NW 147th Drive (access to Lowes) to April Blvd.
    b. The existing median openings and the distances between the median openings along this section of US 441.
    c. Where NW 149th Terrace and NW 158th Lane intersect US 441.
    d. Where the Stage 1 east connection from Tara Forest West is to be located on US 441.
    e. The location on US 441 for the proposed Peggy Road/US 441 traffic signal.
2. When reading the Study, it is assumed that the Stage 1 east connection from Tara Forest West to US 441 aligns with the existing median opening on US 441 that aligns with NW 149th Terrace and NW 158th Lane on the south side of US 441. Is this alignment correct? If yes, it needs be stated in the Study that the directional median opening on US 441 at the Tara Forest West east connection will need to be designed to accommodate (1) eastbound traffic on US 441 turning left into the Tara Forest West east connection, and (2) westbound traffic on US 441 turning left into NW 149th Terrace and NW 158th Lane. If the proposed directional median opening on US 441 does not align with NW 149th Terrace and NW 158th Lane, this needs to be stated in the Study along with how these two streets will be accessed by westbound traffic on US 441.
3. When southbound Tara Forest West traffic from the east connection makes the right turn onto US 441 at the directional median opening, that traffic has to go west on US 441 and make a U-Turn at the next median opening. Also, a westbound left turn lane on US 441 will be needed for the traffic making the U-Turn. This needs to be stated in the Study. There is approximately seven hundred feet between the two existing median openings. This should be sufficient linear distance to accommodate the left turn lane for the westbound U-Turn traffic on US 441 and the eastbound traffic on US 441 that is making the left turn at the direction median opening to access the Tara Forest West east connection. It should be verified in the Study that this access management plan on US 441 is feasible from a roadway design perspective. If for some design reason this access management plan on US 441 is not feasible, that needs to be stated in the Study and an alternate plan provided. Ultimately, the access management plan on US 441 for Stage 1 is under the purview of FDOT.

Phasing of the Development

This section of the Study describes the proposed phasing of the Tara Forest West residential portion of the project. It needs to be noted that the incorporation of the US 441/Peggy Road connector traffic signal may change the phasing and/or access management of the project for later stages of development. Volkert concurs with the information in this section and has no comments or suggestions.

Intersection Level of Service (LOS) Analysis

This section of the Study documents the LOS at the intersection of the east connection from Tara Forest West at the directional median opening on US 441. The LOS was computed using the procedures outlined in the Transportation Research Board's *Highway Capacity Manual (HCM).* The 2025 traffic from the Buckholz traffic study was used along with the trips generated from Tara Forest West. In addition, a two percent annual traffic growth rate was utilized for traffic on US 441. The LOS was computed for the six development phases of the Tara Forest West project. All traffic from Tara Forest West was assumed to use this one direct connection.

The LOS analysis showed that the one direct connection to US 441 can satisfactorily accommodate the Tara Forest West Traffic for the first three phases of development. The LOS starts to break down (unacceptable LOS) with phase 4 and an additional connection from Tara Forest West to US 441 would be needed. However, by dividing the TFWTP project into two phases, only the first three phases are being considered for approval at this time. Therefore, the Stage 1 portion of the TFWTP project has acceptable LOS at the one direct connection onto US 441 at the directional median opening. Volert concurs with the information in this section and has no comments or suggestions.

Stage 1 – Analysis of Operations

This section of the Study documents the Highway Capacity Analysis Summary for the east connection from Tara Forest West at the directional median opening on US 441. This is a stop-controlled intersection (no traffic signal). The HCM for stop controlled intersections is pessimistic in providing LOS for this type of intersection. The HCM analysis shows that the first three phases of the Tara Forest Development will operate at a satisfactory LOS. Volkert concurs with the information in this section has no comments or suggestions.

Conclusions and Recommendations

This section of the Study lists the conclusions and recommendations for Stage 1 of the Tara Forest West project. These are as follows.

1. At ultimate buildout, the Tara Forest West residential project will generate 4,745 total trips. The AM peak hour will generate 344 trips; the PM peak hour will generate 483 trips.
2. For Stage 1, the Tara Forest West residential project will generate 2,508 total trips. The AM peak hour will generate 183 trips; the PM peak hour will generate 252 trips.
3. For Stage 1, the stop sign controlled directional median opening on US 441 at the east connection to Tara Forest West can accommodate project traffic.
4. The Study recommendation is to construct the first three phases of the Tara Forest West residential project with the east connection located at the directional median opening on US 441.

Volert concurs with the information in this section and has no comments or suggestions.

Additional Volkert Comments/Recommendations

1. It Is important to keep in mind that this Study only impacts Stage 1 of the TFWTP project. It is essential that a new traffic study be prepared before any additional phases/Stage 2 of this project are approved.

2. US 441 is an FDOT highway. It also serves as an alternate route for I-75 traffic when an incident closes a portion of I-75. The City of Alachua needs to closely coordinate with FDOT on any development projects that impact US 441 in the City of Alachua city limits.
3. Volkert has had the opportunity to perform independent reviews on numerous projects for the City of Alachua. All of these projects impact sections of US 441 from the south city limits (near the intersection of US 441/NW 43rd Street) to the north city limits (NW 188th Street). The TFWTP project discussed in this review impacts the section of US 441 between CR 235 by Alachua Elementary School to I-75. Eventually this section of US 441 will need modifications to address the traffic impacts from annual traffic growth on US 441 and from city approved developments along this section of US 441. Volkert recommends that the City of Alachua request FDOT to conduct a corridor study of US 441 through the City of Alachua. Numerous approved development projects will be impacting US 441 over the upcoming decade. Also, the planned Peggy Road connection at the old Walmart Super Center site will have significant impacts on US 441. A comprehensive approach to the US 441 corridor would be valuable to addressing traffic capacity and safety along US 441.

Volkert, Inc. appreciates the opportunity to assist the City of Alachua with this independent review of the Tara Forest West Tara Phoenicia project. Please contact me if you have any questions or need additional information.

Prepared by:

Brian D. Kanely, P.E.
Senior Traffic Engineer
Volkert, Inc.
May 12, 2024
Cell: 352-262-3580
Email: briank5030@outlook.com

ORDINANCE 10-23

AN ORDINANCE OF THE CITY OF ALACHUA, FLORIDA, RELATING TO THE AMENDMENT OF THE OFFICIAL ZONING ATLAS; AMENDING THE OFFICIAL ZONING ATLAS FROM AGRICULTURE (A) AND COMMERCIAL INTENSIVE (CI) TO CONSERVATION (CSV), AGRICULTURE (A), RESIDENTIAL SINGLE FAMILY – 4 (RSF-4), RESIDENTIAL MULTIPLE FAMILY – 8 (RMF-8), AND COMMERCIAL INTENSIVE (CI) ON APPROXIMATELY 523 ACRES; LOCATED NORTH OF U.S. HIGHWAY 441 AND ADJACENT TO AND ON THE EAST AND WEST SIDE OF INTERSTATE HIGHWAY 75 (I-75); ALACHUA, FLORIDA. TAX PARCEL NUMBERS 03008-000-000, 03020-000-000, 03049-000-000, 03066-004-000, AND 03067-001-000; REPEALING ALL ORDINANCES IN CONFLICT; PROVIDING SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

RECITALS

WHEREAS, an application for a Site-Specific Amendment to the Official Zoning Atlas (rezoning), as described below, has been filed with the City; and,

WHEREAS, a duly advertised public hearing was conducted on the proposed amendment on August 10, 2010 by the Planning and Zoning Board, sitting as the Local Planning Agency (LPA) and the LPA reviewed and considered all comments received during the public hearing concerning the application and made its recommendation to the City Commission; and,

WHEREAS, the City Commission held a duly advertised public hearing on September 13, 2010 and October 11, 2010 on the proposed amendment and provided for and received public participation; and,

WHEREAS, the City Commission has determined and found said application for the amendment, to be consistent with the City of Alachua Comprehensive Plan and Land Development Regulations; and,

WHEREAS, for reasons set forth in this Ordinance that is hereby adopted and incorporated as findings of fact, that the Alachua City Commission finds and declares that the enactment of this amendment is in the furtherance of the public health, safety, morals, order, comfort, convenience, appearance, prosperity, or general welfare.

NOW, THEREFORE, BE IT ORDAINED BY THE PEOPLE OF THE CITY OF ALACHUA, FLORIDA:

Section 1. Official Zoning Atlas Amended

The Official Zoning Atlas is hereby amended from Agriculture (A) (±483 acres) and Commercial Intensive (CI) (±40 acres) to Conservation (CSV) (±115 acres), Agriculture (A) (±107 acres), Residential Single Family – 4 (RSF-4) (±174.5 acres), Residential Multiple Family – 8 (RMF-8) (±36.1 acres), and Commercial Intensive (CI) (±90 acres) for Tax Parcel Numbers 03008-000-000, 03020-000-000, 03049-000-000, 03066-004-000, and 03067-001-000, in accordance with the legal description found in Exhibit A attached hereto.

Section 2. Findings of Fact and Conclusions of Law

1. The above recitals are true and correct and incorporated herein by reference.
2. The proposed Rezoning is in compliance with the Land Development Regulations.
3. The amendment will not cause a reduction in the adopted level of service standards for roads, water, sewer, waste, stormwater, and recreation.

Section 3. Ordinance to be Construed Liberally

This ordinance shall be liberally construed in order to effectively carry out the purposes hereof which are deemed to be in the best interest of the public health, safety and welfare of the citizens and residents of Alachua, Florida.

Section 4. Repealing Clause

All ordinance or parts of ordinances in conflict herewith are, to the extent of the conflict, hereby repealed.

Section 5. Severability

It is the declared intent of the City Commission of the City of Alachua that, if any section, sentence, clause, phrase, or provision of this ordinance is for any reason held or declared to be unconstitutional, void, or inoperative by any court or agency of competent jurisdiction, such holding of invalidity or unconstitutionality shall not affect the remaining provisions of this ordinance, and the remainder of the ordinance after the exclusions of such part or parts shall be deemed to be valid.

Section 6. **Effective Date**

This ordinance shall take effect immediately after its passage and adoption.

PASSED on first reading the 13th day of September, 2010.

PASSED and **ADOPTED,** in regular session, with a quorum present and voting, by the City Commission, upon second and final reading this 11th day of October, 2010.

CITY COMMISSION OF THE
CITY OF ALACHUA, FLORIDA

Gib Coerper, Mayor

SEAL

ATTEST:

Traci L. Cain, City Manager/Clerk

APPROVED AS TO FORM

Marian B. Rush, City Attorney

EXHIBIT "A"

Parcel 03008-000-000, 03020-000-000, 03049-000-000, 03066-004-000, AND 03067-001-000

Taxpayer:	MEGAHEE ENTERPRISES, LTD., LLLP.	**Legal:**
Mailing:	2632 NW 43rd ST # 94 GAINESVILLE, FL 32606	**PARCEL "A" – "RESIDENTIAL SINGLE FAMILY – 4 (RSF-4)" WEST OF INTERSTATE HIGHWAY NO. 75** **40.00 ACRES MORE OR LESS**
Location:		A TRACT OF LAND SITUATED IN SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
Sec-Twn-Rng:	10-8-18	COMMENCE AT THE NORTHEAST CORNER OF SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN S88°27'52"W, ALONG THE NORTH LINE OF SAID SECTION 9, 1312.38 FEET TO A POINT ON A WESTERLY LINE OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 1582, PAGE 1576 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, SAID POINT BEING THE NORTHEAST CORNER OF GOVERNMENT LOT 2 OF SECTION 9; THENCE RUN SOUTH 01°59'25" EAST ALONG SAID WESTERLY LINE, 685.49 FEET TO THE SOUTHEAST CORNER OF THE NORTH 1/4 OF SAID GOVERNMENT LOT 2; THENCE SOUTH 88°51'35" WEST ALONG THE SOUTH LINE OF SAID NORTH 1/4 OF SAID GOVERNMENT LOT 2, A DISTANCE OF 388.01 FEET TO THE **POINT OF BEGINNING;** THENCE DEPARTING SAID SOUTH LINE, SOUTH 01°08'25" EAST, A DISTANCE OF 2428.36 FEET; THENCE SOUTH 86°50'13" WEST, A DISTANCE OF 609.29 FEET TO THE EAST LINE OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 27, PAGE 296 OF SAID PUBLIC RECORDS; THENCE NORTH 03°09'47" WEST, ALONG THE EAST LINE OF SAID LANDS, A DISTANCE OF 1571.87 FEET TO THE NORTHEAST CORNER OF SAID LANDS; THENCE SOUTH 83°31'01" WEST, ALONG THE NORTH LINE OF SAID LANDS, A DISTANCE OF 181.99 FEET TO AN INTERSECTION WITH THE EASTERLY BOUNDARY OF EXCEPTION PARCEL #3, AS RECORDED IN OFFICIAL RECORDS BOOK 463, PAGE 378 OF SAID PUBLIC RECORDS; THENCE NORTH 01°43'40" WEST, ALONG THE EASTERLY LINE OF SAID EXCEPTION PARCEL #3, A DISTANCE OF 895.97 FEET TO THE AFOREMENTIONED SOUTH LINE OF THE NORTH 1/4 OF GOVERNMENT LOT 2; THENCE NORTH 88°51'35" EAST, ALONG SAID SOUTH LINE, A DISTANCE OF 854.78 FEET TO THE **POINT OF BEGINNING,** SAID TRACT OF LAND CONTAINING 40.00 ACRES MORE OR LESS.
Tax Jurisdiction:	Alachua 1700	
Area:	ALACHUA COMMERCIAL	
Subdivision:		

	PARCEL "B" – "RESIDENTIAL MULTIPLE FAMILY – 8 (RMF-8)" WEST OF INTERSTATE HIGHWAY NO. 75 **36.14 ACRES MORE OR LESS** A TRACT OF LAND SITUATED IN SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHEAST CORNER OF SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN SOUTH 88°27'52" WEST, ALONG THE NORTH LINE OF SAID SECTION 9, 1312.38 FEET TO A POINT ON A WESTERLY LINE OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 1582, PAGE 1576 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, SAID POINT BEING THE NORTHEAST CORNER OF GOVERNMENT LOT 2 OF SECTION 9 AND THE **POINT OF BEGINNING**; THENCE RUN NORTH 01°59'25" WEST, ALONG SAID WESTERLY LINE, 330.60 FEET TO A POINT ON THE WEST RIGHT OF WAY LINE OF STATE ROAD NO 93 (ALSO KNOWN AS INTERSTATE HIGHWAY NO. 75), SAID POINT BEING ON A CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 5579.58 FEET, AND BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF SOUTH 18°03'15" EAST, 1850.92 FEET; THENCE SOUTHERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 19°05'42", AN ARC LENGTH OF 1859.51; THENCE DEPARTING SAID WESTERLY RIGHT OF WAY LINE, SOUTH 81°29'36" WEST, A DISTANCE OF 450.14 FEET; THENCE RUN SOUTH 01°08'25" EAST, A DISTANCE OF 774.83 FEET; THENCE RUN SOUTH 08°39'32" WEST, A DISTANCE OF 841.86 FEET; THENCE RUN SOUTH 86°50'13" WEST, A DISTANCE OF 321.92 FEET; THENCE RUN NORTH 01°08'25" WEST, A DISTANCE OF 2428.36 FEET TO THE SOUTH LINE OF THE NORTH 1/4 OF AFOREMENTIONED GOVERNMENT LOT 2; THENCE RUN NORTH 88°51'35" EAST, ALONG SAID SOUTH LINE, A DISTANCE OF 388.01 FEET TO THE SOUTHEAST CORNER OF SAID NORTH 1/4 OF GOVERNMENT LOT 2; THENCE RUN NORTH 01°59'25" WEST, ALONG THE EAST LINE OF SAID OF GOVERNMENT LOT 2, A DISTANCE OF 685.49 FEET TO THE **POINT OF BEGINNING,** SAID TRACT OF LAND CONTAINING 36.14 ACRES MORE OR LESS. **PARCEL "C" – "COMMERCIAL INTENSIVE (CI)" WEST OF INTERSTATE HIGHWAY NO. 75** **50.00 ACRES MORE OR LESS** A TRACT OF LAND SITUATED IN SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA

	COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHEAST CORNER OF SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN SOUTH 88°27'52" WEST, ALONG THE NORTH LINE OF SAID SECTION 9, 1166.40 FEET TO A POINT ON THE WESTERLY RIGHT OF WAY LINE OF STATE ROAD NO 93 (ALSO KNOWN AS INTERSTATE HIGHWAY NO. 75), SAID POINT BEING ON A CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 5579.58 FEET, AND BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF SOUTH 16°11'34" EAST, 1492.51 FEET; THENCE SOUTHERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 15°22'21", AN ARC LENGTH OF 1497.00 FEET TO THE **POINT OF BEGINNING;** THENCE CONTINUE ALONG SAID WESTERLY RIGHT OF WAY LINE THE FOLLOWING COURSES AND DISTANCES; THENCE SOUTHERLY WITH A CURVE CONCAVE WESTERLY, HAVING A CENTRAL ANGLE OF 12°55'46", A RADIUS OF 5579.58 FEET, AN ARC LENGTH OF 1259.10 FEET AND A CHORD BEARING AND DISTANCE OF SOUTH 02°02'31" EAST, 1256.43 FEET TO THE END OF SAID CURVE; THENCE SOUTH 04°25'25" WEST, 677.53 FEET; THENCE SOUTHWESTERLY WITH A CURVE CONCAVE NORTHWESTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 22°01'31", A RADIUS OF 894.93 FEET, AN ARC LENGTH OF 344.02 FEET AND A CHORD BEARING AND DISTANCE OF SOUTH 28°22'41" WEST, 341.91 FEET; THENCE SOUTH 39°23'26" WEST, 407.80 FEET; THENCE SOUTHWESTERLY WITH A CURVE CONCAVE SOUTHEASTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 12°10'00", HAVING A RADIUS OF 507.62 FEET, AN ARC LENGTH OF 107.79 FEET, AND A CHORD BEARING AND DISTANCE OF SOUTH 33°26'40" WEST, 107.59 FEET; THENCE SOUTH 27°23'48" WEST, 161.37 FEET TO A CORNER OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 1582, PAGE 1576 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA; THENCE LEAVE SAID RIGHT OF WAY LINE AND RUN NORTH 79°06'35" WEST, ALONG A SOUTHERLY LINE OF SAID LANDS, 524.10 FEET TO A CORNER OF SAID LANDS; THENCE RUN SOUTH 10°53'25" WEST ALONG A SOUTHERLY LINE OF SAID LANDS, 175.00 FEET TO THE NORTH RIGHT OF WAY LINE OF STATE ROAD NO. 25 (ALSO KNOWN AS U.S. HIGHWAY NO. 441); THENCE RUN NORTH 79°06'35" WEST, ALONG SAID NORTH RIGHT OF WAY LINE, 323.10 FEET TO THE SOUTHEAST CORNER OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 27, PAGE 296 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA; THENCE RUN NORTH 03°09'47" WEST, ALONG THE EAST LINE OF SAID LANDS, 1068.68 FEET; THENCE DEPARTING SAID EAST LINE, NORTH 86°50'13" EAST, A DISTANCE OF 931.21 FEET; THENCE RUN NORTH 08°39'32" EAST, A DISTANCE OF 841.86 FEET; THENCE RUN NORTH

	01°08’25” WEST, A DISTANCE OF 774.83 FEET; THENCE RUN NORTH 81°29’36” EAST, A DISTANCE OF 450.14 FEET TO THE **POINT OF BEGINNING,** SAID TRACT OF LAND CONTAINING 50.00 ACRES MORE OR LESS. **PARCEL “D” – “AGRICULTURE (A)” EAST OF INTERSTATE HIGHWAY NO. 75 43.00 ACRES MORE OR LESS** A TRACT OF LAND SITUATED SECTIONS 4, 9, AND 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCIRBED AS FOLLOWS: COMMENCE AT THE SOUTHEAST CORNER OF SECTION 4, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN NORTH 00°39’57” WEST, ALONG THE EAST LINE OF SAID SECTION 4, 660.58 FEET TO THE NORTHEAST CORNER OF THE SOUTH ½ OF GOVERNMENT LOT 7 OF SAID SECTION 4, AND THE **POINT OF BEGINNING**; THENCE RUN SOUTH 88°52’31” WEST, DEPARTING SAID EAST LINE OF SECTION 4, 1085.39 FEET TO THE EASTERLY RIGHT OF WAY LINE OF A COUNTY MAINTAINED PAVED SERVICE ROAD FOR INTERSTATE HIGHWAY NO. 75; THENCE RUN THE FOLLOWING SIX (6) COURSES AND DISTANCES ALONG SAID EASTERLY RIGHT OF WAY LINE; (1) THENCE SOUTH 28°28’08” EAST, A DISTANCE OF 108.03 FEET; (2) THENCE SOUTHERLY WITH A CURVE CONCAVE WESTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 32°53’33”, A RADIUS OF 5945.58 FEET, AN ARC LENGTH OF 3413.25 FEET AND A CHORD BEARING AND DISTANCE OF SOUTH 12°01’22” EAST, 3366.57 FEET; (3) THENCE RUN SOUTH 04°25’25” WEST, 711.16 FEET; (4) THENCE SOUTHERLY WITH A CURVE CONCAVE EASTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 14°48’53”, A RADIUS OF 161.18 FEET, AN ARC LENGTH OF 41.68 FEET AND A CHORD BEARING AND DISTANCE OF SOUTH 02°58’59” EAST, 41.56 FEET; (5) THENCE SOUTHEASTERLY WITH A CURVE CONCAVE NORTHEASTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 20°11’12”, A RADIUS OF 828.93 FEET, AN ARC LENGTH OF 292.05 FEET AND A CHORD BEARING AND DISTANCE OF SOUTH 20°28’59” EAST, 290.54 FEET; (6) THENCE RUN SOUTH 30°34’35” EAST, 303.35 FEET; THENCE NORTH 88°46’05” EAST, DEPARTING SAID EASTERLY RIGHT OF WAY LINE, A DISTANCE OF 248.78 FEET; THENCE NORTH 01°13’55” WEST, A DISTANCE OF 2401.40 FEET; THENCE RUN NORTH 17°41’04” WEST, A DISTANCE OF 1849.70 FEET; THENCE RUN NORTH 00°39’56” WEST, A DISTANCE OF 414.61 FEET; THENCE RUN NORTH 88°52’31” EAST, A DISTANCE OF 500.02 FEET TO THE AFOREMENTIONED EAST LINE OF SECTION 4; THENCE RUN NORTH 00°39’57” WEST, ALONG SAID EAST LINE OF SECTION 4, A DISTANCE OF 100.00 FEET

TO THE **POINT OF BEGINNING**; SAID TRACT OF LAND CONTAINING 43.00 ACRES MORE OR LESS.

PARCEL "E" – "CONSERVATION (CSV)" EAST OF INTERSTATE HIGHWAY NO. 75 115.00 ACRES MORE OR LESS

A TRACT OF LAND SITUATED IN SECTIONS 3, 4, 9, AND 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCIRBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF SECTION 4, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN NORTH 00°39'57" WEST, ALONG THE EAST LINE OF SAID SECTION 4, 216.17 FEET TO THE **POINT OF BEGINNING**; THENCE RUN SOUTH 34°40'48" EAST, DEPARTING SAID EAST LINE OF SECTION 4, A DISTANCE OF 1857.79 FEET; THENCE RUN SOUTH 13°00'52" EAST, A DISTANCE OF 2150.78 FEET; THENCE RUN SOUTH 01°13'55" EAST, A DISTANCE OF 576.44 FEET TO THE NORTHEAST CORNER OF SAID SOUTHWEST ¼ OF THE SOUTHWEST 1/4 OF SAID SECTION 10; THENCE RUN SOUTH 87°05'19" WEST, ALONG THE NORTH LINE OF SAID SOUTHWEST ¼ OF THE SOUTHWEST 1/4, 1228.23 FEET TO THE NORTHEAST CORNER OF THAT CERTAIN PARCEL OF LAND DESCRIBED IN OFFICIAL RECORD BOOK 2209, PAGE 2673 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, SAID PARCEL OF LAND BEING HEREINAFTER REFERRED TO AS THE "ADJACENT PARCEL"; THENCE RUN SOUTH 02°01'16" EAST, 410.28 FEET TO A BOUNDARY CORNER OF SAID "ADJACENT PARCEL"; THENCE RUN NORTH 79°00'47" WEST, ALONG A BOUNDARY LINE OF SAID "ADJACENT PARCEL" AND A WESTERLY PROJECTION THEREOF, 372.98 FEET TO THE EAST RIGHT OF WAY LINE OF A COUNTY MAINTAINED PAVED SERVICE ROAD FOR INTERSTATE HIGHWAY NO. 75; THENCE RUN NORTH 05°25'05" WEST, ALONG SAID RIGHT OF WAY LINE, 70.38 FEET TO THE BEGINNING OF A CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 573.62 FEET; THENCE RUN NORTHERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH A CENTRAL ANGLE OF 24°59'13", AN ARC DISTANCE OF 250.16 FEET (CHORD BEARING AND DISTANCE OF NORTH 17°47'24" WEST, 248.18 FEET RESPECTIVELY) TO THE END OF SAID CURVE; THENCE RUN NORTH 32°28'58" WEST, ALONG SAID RIGHT OF WAY LINE, 12.04 FEET TO THE INTERSECTION OF SAID RIGHT OF WAY LINE WITH THE WESTERLY PROJECTION OF THE AFOREMENTIONED NORTH LINE OF THE SOUTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 10; THENCE RUN NORTH 30°34'35" WEST, ALONG SAID EAST

RIGHT OF WAY LINE, 40.98 FEET; THENCE RUN NORTH 88°46’05” EAST, DEPARTING SAID EAST RIGHT OF WAY LINE, 248.78 FEET; THENCE RUN NORTH 01°13’55” WEST, 2401.40 FEET; THENCE RUN NORTH 17°41’04” WEST, 1849.70 FEET; THENCE RUN NORTH 00°39’56” WEST, 414.61 FEET; THENCE RUN NORTH 88°52’31” EAST, 500.02 FEET TO THE AFOREMENTIONED EAST LINE OF SECTION 4; THENCE RUN SOUTH 00°39’57” EAST, ALONG SAID EAST LINE OF SECTION 4, 343.81 FEET TO THE **POINT OF BEGINNING**; SAID TRACT OF LAND CONTAINING 115.00 ACRES MORE OR LESS.

PARCEL “F” – “AGRICULTURE (A)” EAST OF INTERSTATE HIGHWAY NO. 75
63.89 ACRES MORE OR LESS

A TRACT OF LAND SITUATED IN SECTIONS 3 AND 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCIRBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 3, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN NORTH 00°39’57” WEST, ALONG THE WEST LINE OF SAID SECTION 3, 216.77 FEET TO THE **POINT OF BEGINNING**; THENCE RUN NORTH 00°39’57” WEST, ALONG THE WEST LINE OF SAID SECTION 3, 1103.06 FEET TO THE NORTHWEST CORNER OF GOVERNMENT LOT 4 OF SAID SECTION 3; THENCE RUN NORTH 86°59’10” EAST, ALONG THE NORTH LINE OF SAID GOVERNMENT LOT 4, 1376.16 FEET TO THE NORTHEAST CORNER OF THE WEST 1/2 OF SAID GOVERNMENT LOT 4; THENCE RUN SOUTH 57°23’45” WEST, 889.69 FEET; THENCE RUN SOUTH 00°39’57” EAST, 783.39 FEET; THENCE RUN SOUTH 34°40’48” EAST, 1437.62 FEET; THENCE RUN SOUTH 13°00’52” EAST, 1869.48 FEET; THENCE RUN SOUTH 01°13’55” EAST, 1069.69 FEET; THENCE RUN SOUTH 83°13’47” WEST, 331.55 FEET TO THE NORTHEAST CORNER OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF AFOREMENTIONED SECTION 10; THENCE RUN NORTH 01°13’55” WEST, 576.44 FEET; THENCE RUN NORTH 13°00’52” WEST, 2150.78 FEET; THENCE RUN NORTH 34°40’48” WEST, 1857.79 FEET TO THE **POINT OF BEGINNING**; SAID TRACT OF LAND CONTAINING 63.89 ACRES MORE OR LESS.

PARCEL “G” – “RESIDENTIAL SINGLE FAMILY – 4 (RSF-4)” EAST OF INTERSTATE HIGHWAY NO. 75
134.50 ACRES MORE OR LESS

A TRACT OF LAND SITUATED IN SECTIONS 3, AND 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA

COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCIRBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SECTION 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN NORTH 86°59'52" EAST, ALONG THE NORTH LINE OF SAID SECTION 10, 1394.10 FEET TO THE SOUTHEAST CORNER OF THE WEST ½ OF GOVERNMENT LOT 4 OF SAID SECTION 3, AND THE **POINT OF BEGINNING**; THENCE CONTINUE NORTH 86°59'52" EAST, ALONG SAID NORTH LINE OF SECTION 10, 1393.88 FEET TO THE EAST LINE OF THE WEST ½ OF SAID SECTION 10, THENCE RUN SOUTH 01°10'34" EAST, ALONG SAID EAST LINE, 3883.86 FEET; THENCE RUN SOUTH 88°49'26" WEST, 987.56 FEET; THENCE RUN NORTH 01°13'55" WEST, 883.19 FEET; THENCE RUN NORTH 13°00'52" WEST, 1869.48 FEET; THENCE RUN NORTH 34°40'48" WEST, 1437.62 FEET; THENCE RUN NORTH 00°39'57" WEST, 783.39 FEET; THENCE RUN NORTH 57°23'45" EAST, 889.69 FEET TO THE NORTH EAST CORNER OF THE WEST 1/2 OF AFOREMENTIONED GOVERNMENT LOT 4 OF SECTION 3; THENCE RUN SOUTH 01°26'39" EAST, ALONG THE EAST LINE OF SAID WEST 1/2 OF GOVERNMENT LOT 4 OF SECTION 3, 1319.50 FEET TO THE **POINT OF BEGINNING**; SAID TRACT OF LAND CONTAINING 134.50 ACRES MORE OR LESS.

PARCEL "H" – "COMMERCIAL INTENSIVE (CI)" EAST OF INTERSTATE HIGHWAY NO. 75
40.00 ACRES MORE OR LESS

A TRACT OF LAND SITUATED IN SECTIONS 10 AND 15, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCIRBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SECTION 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND RUN NORTH 86°59'52" EAST, ALONG THE NORTH LINE OF SAID SECTION 10, 2787.98 FEET TO THE EAST LINE OF THE WEST ½ OF SAID SECTION 10; THENCE RUN SOUTH 01°10'34" EAST, ALONG SAID EAST LINE 3883.86 FEET TO THE **POINT OF BEGINNING**; THENCE CONTINUE SOUTH 01°10'34" EAST, ALONG SAID EAST LINE AND A SOUTHERLY PROJECTION THEREOF, 1600.00 FEET TO THE NORTH RIGHT OF WAY LINE OF STATE ROAD NO. 25 (ALSO KNOWN AS U.S. HIGHWAY NO. 441); THENCE RUN NORTHWESTERLY ALONG SAID RIGHT OF WAY LINE WITH A CURVE CONCAVE SOUTHWESTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 15°06'09", A RADIUS OF 2996.79 FEET, AN ARC LENGTH OF 789.93 FEET AND A CHORD BEARING AND DISTANCE OF NORTH 71°39'28" WEST, 787.64 FEET; THENCE RUN NORTH 79°06'35" WEST, ALONG

	SAID RIGHT OF WAY LINE, 586.97 FEET TO THE INTERSECTION OF SAID RIGHT OF WAY LINE WITH THE EAST LINE OF THE SOUTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 10; THENCE RUN NORTH 01°13'35" WEST ALONG SAID EAST LINE, 995.32 FEET TO THE NORTHEAST CORNER OF SAID SOUTHWEST ¼ OF THE SOUTHWEST 1/4; THENCE RUN NORTH 83°13'47" EAST, 331.55 FEET; THENCE RUN NORTH 01°13'55" WEST, 186.50 FEET; THENCE RUN NORTH 88°49'26" EAST, 987.56 FEET TO THE **POINT OF BEGINNING**; SAID TRACT OF LAND CONTAINING 40.00 ACRES MORE OR LESS.

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City of Alachua

MIKE DAROZA
CITY MANAGER

RODOLFO VALLADARES, P.E.
ASSISTANT CITY MANAGER

INTER-OFFICE COMMUNICATION

DATE: **May 21, 2024**

TO: **Kathy Winburn, AICP**
Planning & Community Development Director

FROM: **Michael Carrillo, P.E.**
Public Services Director
Tom Ridgik, P.E.
Engineering Supervisor
TR 5/21/2024

RE: **Tara Forest West Preliminary Plat**

Public Services has reviewed the subject project (May Submittal) and offer the following comments. Review was specific to the Public Services Utilities.

NO.	COMMENTS
A.	**Meaning of Conditional Approval** Please address the following comments. Rather than submitting a complete hard copy set, the design engineer has the option of (1) to instead forward to Public Services and Planning by email the revised pdf of this sheet. (Public Services contact is Tom Ridgik, th_ridgik@cityofalachua. org) or (2) to provide a link so Public Services and Planning can download the complete PDF set. Public Services would then review this sheet, presumably approve it and so notify the Planning Department.)
1.	**Comment on March Submittal** **Sheets C4.0. C4.1, C4.2 as applicable.** Please show a Typical Roadway section for the segment of Road M that includes the private force main. **Conditional Approval** **Comment on May Submittal** **Approved**

NO.	COMMENTS
2	**Comment on March Submittal** **Sheet C5.0** Please change General Note 3 to: "3. ALL POTABLE WATER MAINS NOT UNDER ROADS SHALL BE AWWA C900 PVC DR-18. ALL POTABLE WATER MAINS UNDER ROADS SHALL BE DUCTILE IRON CEMENT-LINED." **Conditional Approval** **Comment on May Submittal** **Approved**
3	**Comment on March Submittal** **Sheet C5.0** Both lift station and force main shall be private. Thus change the following two callouts to: "FORCE MAIN" to "**PRIVATE** FORCE MAIN" "FORCE MAIN POINT OF DISCHARGE" to "**PRIVATE** FORCE MAIN POINT OF DISCHARGE" **Conditional Approval** **Comment on May Submittal** **Approved**
4	
5	
END OF COMMENTS	

Please advise if you have any questions or require additional information.
cc: Justin Tabor – AICP Principal Planner
Adam Hall – AICP Principal Planner

MEMORANDUM

Tara Forest West Preliminary Plat

May 20, 2024

CHW Professional Consultants

To: Mr. Adam Hall

From: Daniel Young, PE

Date: May 20, 2024

RE: Tara Forest West Preliminary Plat Seventh Review

CHW has reviewed the plans submitted for the Tara Forest West Preliminary Plat and have the following comments:

1. Comment cleared.
2. Comment cleared.
3. Comment cleared.
4. Comment cleared.
5. Comment cleared.
6. Comment cleared.
7. Comment cleared.
8. Comment cleared.
9. Comment cleared.
10. Comment cleared.
11. Comment cleared.
12. Comment cleared.
13. Comment cleared.
14. Comment cleared.
15. Comment cleared.
16. Comment cleared.
17. Comment cleared.
18. Comment cleared.
19. Comment cleaned.
20. Comment cleared.
21. Comment cleared.
22. Comment cleared.
23. Comment cleared.
24. Comment cleared.

Second Review Comments

25. Comment cleared.
26. Comment cleared.

27. Comment cleared.
28. Comment cleared.
29. Comment cleared.
30. Comment cleared.
31. Comment cleared.

Third Review Comments

32. Comment cleared.

Fifth Review Comments

1. Comment cleared.
2. Comment cleared.
3. Comment cleared.
4. Comment cleared.
5. Comment cleared.
6. Comment cleared.

Sixth Review Comments

1. Comment cleared.
2. Comment cleared.
3. Comment cleared.
4. Comment cleared.

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN

April 18, 2024

Also sent by electronic mail to logan.peters@jbpro.com

Logan Peters, P.E.
JBrown Professional Group, LLC
3530 NW 43rd Street
Gainesville, FL 32606

RE: Project Assistance Team (PAT) Comments for Tara Forest West Preliminary Plat (PPP21-0005)

Dear Ms Peters:

On March 28, 2024, the City of Alachua received your revised application for the Preliminary Plat of Tara Forest West, which proposes to subdivide a ±200.68 acre subject property into a total of 538 lots (consisting of Tax Parcel Numbers 03067-001-000 and 03008-000-000), with associated common areas, open space, stormwater management facilities, and right-of-way.

The revised application has been reviewed for compliance with the applicable review standards, including the City's Comprehensive Plan and Land Development Regulations (LDRs). Based upon Staff's review, revisions must be made to the application before it may be scheduled for a public hearing before the City's Planning & Zoning Board (PZB). Please address all insufficiencies outlined below in writing and provide an indication as to how they have been addressed by 4:00 PM on Thursday, May 2, 2024. A total of four (4) copies of the complete application package (i.e., all application materials and attachments) and a CD containing a PDF of all application materials must be provided by this date. Upon receipt of your revised application, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the PZB. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time. Additionally, please note that this project requires connection to US 441 and staff does not anticipate forwarding any final plat for this project to the City Commission until such time as the Tara Phoenicia Infrastructure Plan is forwarded to the City Commission.

Please address the following insufficiencies:

Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations. **

B. Concurrency Impact Analysis

a. Provided concurrency analysis provides overall traffic impacts generated by the proposed development, but does not provide impacts to all impacted transportation facilities. Please provide analysis showing adequate capacity on all impacted transportation segments.

New Comment: Confirm number of units. Solid waste and recreation state 538 units, but traffic states 523 units. Percentage of permitted design capacity utilized for water and wastewater appear to be incorrect and not considering reserved capacity.

E. Outside Review
   a. Address all comments issued by Daniel Young, P.E, of CHW, Inc. in a letter dated April 16, 2024 and attached to this letter.
   b. Outside traffic review of submitted traffic study currently being completed. Review comments from outside reviewer will be forwarded when received.
   c. Address all comments issued by the City of Alachua Public Services Department in the attached memo from Michael Carrillo, P.E., Public Services Director and Tom Ridgik, P.E., Engineering Supervisor, dated April 15, 2024.

F. New Comments
   a. Per Fee Resolution 20-13, application fee covers 1 completeness review and 2 PAT Comment reviews. An additional PAT review will be needed to review responses to the items listed above, therefore a resubmittal fee equal to 25% of the original application fee shall be required upon resubmittal. The original application fee for the preliminary plat was $6,400 therefore the resubmittal fee shall be $1,600.
   b. Basins 1A-1C, 2, and 3 have all shifted into the lands designated as Conservation on the Future Land Use Map and zoned CSV on the Official Zoning Atlas. Minor utilities are not permitted in the CSV zone district per Table 4.1-1 of Article 4. Stormwater ponds must be moved outside of those areas.

New Comment: Please see GIS imagery attached. Based on this, it appears that Basins 1-B and 3 are within the Conservation FLUM. Provide exhibit demonstrating that the ponds are not located within this area or revise pond locations.

   c. The southern terminus of Road B does not connect to any future or planned roads and would therefore need to be designed as a T or L stub or a roundabout, per Section 7.2.5 (D). Section 7.2.5 (G) prohibits dead-end streets.

New Comment: This turnaround will be required to be paved surface and to accommodate large vehicle turn movement. This can be shown via note and design provided at time of Construction Plans submittal.

G. Informational
   a. If any development is proposed to take place within a Special Flood Hazard Area, base flood elevations will be required to be established in accordance with Section 6.9.4 (E)(1)(b) at time of Construction Plan application.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1603 or via e-mail at ahall@cityofalachua.com. We look forward to receiving your revised application.

Sincerely,

Adam Hall, AICP
Principal Planner

/attachments
cc: Kathy Winburn, Planning & Community Development Director

Justin Tabor, AICP, Principal Planner
Carson Crocket, AICP Candidate, Planner
Project File

City of ALACHUA
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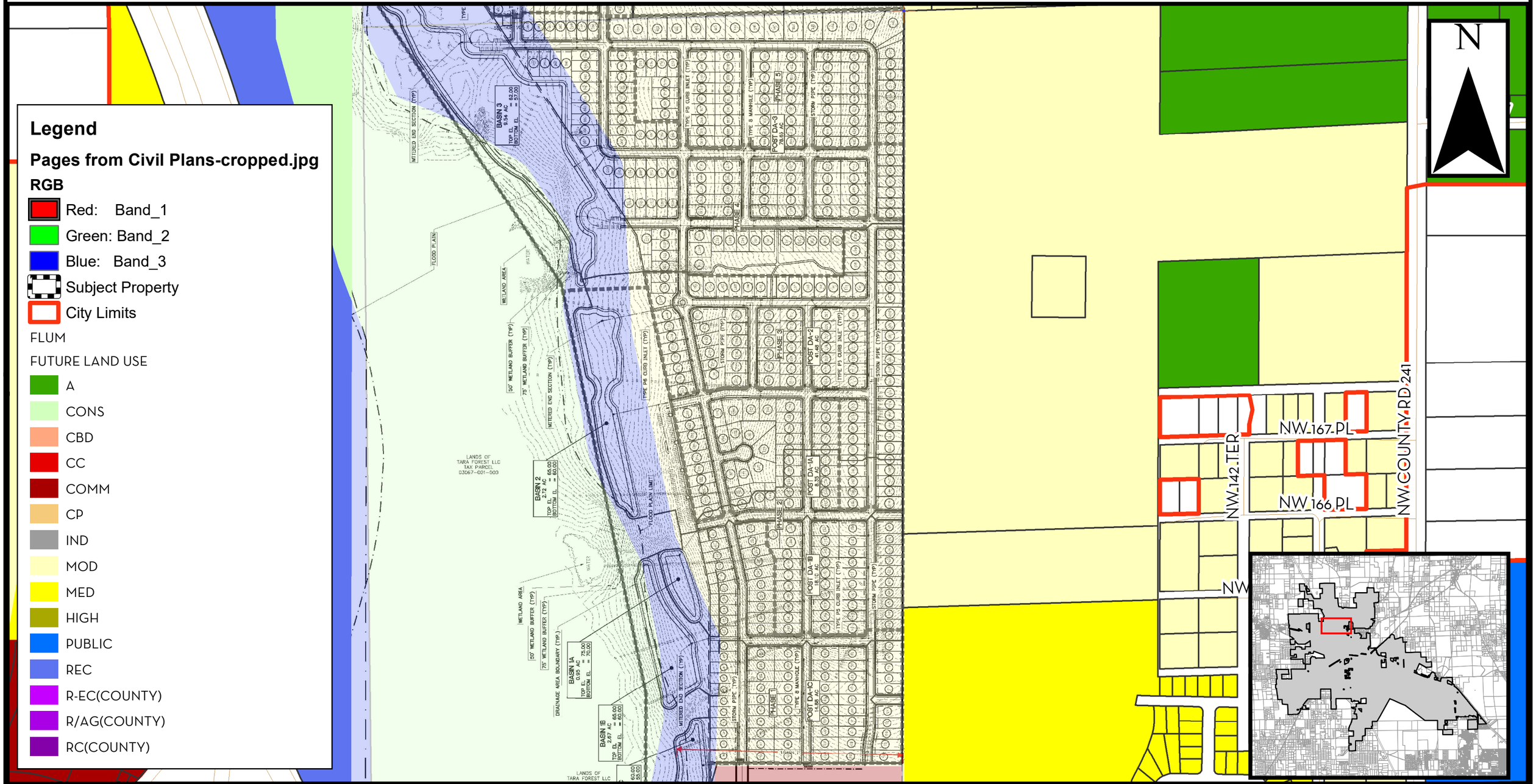
FLUM Tara Forest West



Legend

Pages from Civil Plans-cropped.jpg

RGB

- Red: Band_1
- Green: Band_2
- Blue: Band_3
- Subject Property
- City Limits

FLUM

FUTURE LAND USE

- A
- CONS
- CBD
- CC
- COMM
- CP
- IND
- MOD
- MED
- HIGH
- PUBLIC
- REC
- R-EC(COUNTY)
- R/AG(COUNTY)
- RC(COUNTY)

Prepared by the City of Alachua
Planning & Community Development Department

DISCLAIMER: Data is provided "as is" without warranty of any representation of accuracy, timeliness, or completeness. The burden of determining accuracy, timeliness, or completeness for use rests solely on the requestor. The City makes no warranties, expressed or implied, as to the use of the data. The requestor acknowledges and accepts the limitations of the data, including the fact that the data is dynamic and in a constant state of maintenance, correction, and update.

0 900 1,800 3,600 Feet

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City of Alachua

MIKE DAROZA
CITY MANAGER

RODOLFO VALLADARES, P.E.
ASSISTANT CITY MANAGER

INTER-OFFICE COMMUNICATION

DATE: **April 15, 2024**

TO: **Kathy Winburn, AICP**
Planning & Community Development Director

FROM: **Michael Carrillo, P.E.**
Public Services Director
Tom Ridgik, P.E.
Engineering Supervisor

TR 4/15/2024

RE: **Tara Forest West Preliminary Plat**

Public Services has reviewed the subject project (March Submittal) and offer the following comments. Review was specific to the Public Services Utilities.

NO.	COMMENTS
A.	**Meaning of Conditional Approval** Please address the following comments. Rather than submitting a complete hard copy set, the design engineer has the option of (1) to instead forward to Public Services and Planning by email the revised pdf of this sheet. (Public Services contact is Tom Ridgik, th_ridgik@cityofalachua. org) or (2) to provide a link so Public Services and Planning can download the complete PDF set. Public Services would then review this sheet, presumably approve it and so notify the Planning Department.)
1.	**Comment on March Submittal** **Sheets C4.0. C4.1, C4.2 as applicable.** Please show a Typical Roadway section for the segment of Road M that includes the private force main. **Conditional Approval**

NO.	COMMENTS
2	**Comment on March Submittal** **Sheet C5.0** Please change General Note 3 to: "3. ALL POTABLE WATER MAINS NOT UNDER ROADS SHALL BE AWWA C900 PVC DR-18. ALL POTABLE WATER MAINS UNDER ROADS SHALL BE DUCTILE IRON CEMENT-LINED." **Conditional Approval**
3	**Comment on March Submittal** **Sheet C5.0** Both lift station and force main shall be private. Thus change the following two callouts to: "FORCE MAIN" to "**PRIVATE** FORCE MAIN" "FORCE MAIN POINT OF DISCHARGE" to "**PRIVATE** FORCE MAIN POINT OF DISCHARGE" **Conditional Approval**
4	
5	
END OF COMMENTS	

Please advise if you have any questions or require additional information.
cc: Justin Tabor – AICP Principal Planner
Adam Hall – AICP Principal Planner

MEMORANDUM

Tara Forest West Preliminary Plat

April 16, 2024

CHW
Professional Consultants

To: Mr. Adam Hall

From: Daniel Young, PE

Date: April 16, 2024

RE: Tara Forest West Preliminary Plat Fifth Review

CHW has reviewed the plans submitted for the Tara Forest West Preliminary Plat and have the following comments:

1. Comment cleared.
2. Comment cleared.
3. Comment cleared.
4. Comment cleared.
5. Comment cleared.
6. Comment cleared.
7. Comment cleared.
8. Comment cleared.
9. Comment cleared.
10. Comment cleared.
11. Comment cleared.
12. Comment cleared.
13. Comment cleared.
14. Comment cleared.
15. Comment cleared.
16. Comment cleared.
17. Comment cleared.
18. Comment cleared.
19. Comment cleaned.
20. Comment cleared.
21. Comment cleared.
22. Comment cleared.
23. Comment cleared.
24. Comment cleared.

Second Review Comments

25. Comment cleared.
26. Comment cleared.

27. Comment cleared.
28. Comment cleared.
29. Comment cleared.
30. Comment cleared.
31. Comment cleared.

Third Review Comments

32. Comment cleared.

Fifth Review Comments

1. Based on previous submittals for adjacent projects, the flood plain shown in these plans is at el. 52 and the provided plans show flood plain impacts. Please provide some information or assurance that said impact will be addressed during the construction plan approval process.
   Sixth Review: Please provide information on the flood plain compensating storage in the concurrency impact analysis. Please be aware that there are concerns about the flood plain compensating storage for Tara Phoenicia, Tara Forest West, and Tara April and CHW recommends to the City that the approval of Tara Forest West Final Development Plans/Construction Plans be contingent on the demonstration, construction, and final City acceptance of appropriate flood plain compensating storage.
2. Per City's requirement, please show all wetlands and wetland setbacks. The City requires all wetlands and wetland setbacks within a project area to be shown in order to assure that no wetlands impacts are missed.
   Sixth Review: Please note that all wetlands and wetland setbacks do not appear to be shown. Please revise as appropriate. Specific areas of concern include the wetlands adjacent to Basin 3.
3. Comment cleared.
4. Comment cleared.
5. Comment cleared.
6. Comment cleared.

Sixth Review Comments

1. Please demonstrate access and utility connections to existing infrastructure.
2. Please clarify proposed access and utility connection point to Tara Baywood in Phase 1. Per the Baywood construction plans, the water main and roadway end prior to the shared property line.
3. Please show the water main located along the project boundary between Tara Phoenicia and Tara Forest West. Please clarify if a connection to said water main is proposed.
4. In the preliminary plat set, please number all of the lots on the overall sheet.

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

February 22, 2024

Also sent by electronic mail to logan.peters@jbpro.com

Logan Peters, P.E.
JBrown Professional Group, LLC
3530 NW 43rd Street
Gainesville, FL 32606

RE: Project Assistance Team (PAT) Comments for Tara Forest West Preliminary Plat (PPP21-0005)

Dear Ms Peters:

On December 14, 2023, the City of Alachua received your revised application for the Preliminary Plat of Tara Forest West, which proposes to subdivide a ±200.68 acre subject property into a total of 538 lots (consisting of Tax Parcel Numbers 03067-001-000 and 03008-000-000), with associated common areas, open space, stormwater management facilities, and right-of-way.

The revised application has been reviewed for compliance with the applicable review standards, including the City's Comprehensive Plan and Land Development Regulations (LDRs). Based upon Staff's review, revisions must be made to the application before it may be scheduled for a public hearing before the City's Planning & Zoning Board (PZB). Please address all insufficiencies outlined below in writing and provide an indication as to how they have been addressed by 4:00 PM on Thursday, March 7, 2024. A total of four (4) copies of the complete application package (i.e., all application materials and attachments) and a CD containing a PDF of all application materials must be provided by this date. Upon receipt of your revised application, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the PZB. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time. Additionally, please note that this project requires connection to US 441 and staff does not anticipate forwarding any final plat for this project to the City Commission until such time as the Tara Phoenicia Infrastructure Plan is forwarded to the City Commission.

Please address the following insufficiencies:

Deficiencies to be Addressed
** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations. **

B. Concurrency Impact Analysis

a. Provided concurrency analysis provides overall traffic impacts generated by the proposed development, but does not provide impacts to all impacted transportation facilities. Please provide analysis showing adequate capacity on all impacted transportation segments.

New Comment: Revised concurrency analysis not found. Submit revised concurrency analysis.

E. Outside Review
   a. Please address all comments issued by Daniel Young, P.E, of CHW, Inc. in a letter dated January 11, 2024 and attached to this letter.
   b. Outside traffic review of submitted traffic study currently being completed. Review comments from outside reviewer will be forwarded when received.

F. New Comments
   a. Per Fee Resolution 20-13, application fee covers 1 completeness review and 2 PAT Comment reviews. An additional PAT review will be needed to review responses to the items listed above, therefore a resubmittal fee equal to 25% of the original application fee shall be required upon resubmittal. The original application fee for the preliminary plat was $6,400 therefore the resubmittal fee shall be $1,600.
   b. Basins 1A-1C, 2, and 3 have all shifted into the lands designated as Conservation on the Future Land Use Map and zoned CSV on the Official Zoning Atlas. Minor utilities are not permitted in the CSV zone district per Table 4.1-1 of Article 4. Stormwater ponds must be moved outside of those areas.
   c. The southern terminus of Road B does not connect to any future or planned roads and would therefore need to be designed as a T or L stub or a roundabout, per Section 7.2.5 (D). Section 7.2.5 (G) prohibits dead-end streets.
   d. Lots 441 through 483 do not meet the Note 5 of Table 5.1-2 as recently amended by Ordinance 24-01. Note 5 reads: Proposed platted lots within 100 feet of an existing residential platted subdivision in the Agriculture & RSF-1 zoning districts are limited to the 'Dwelling, single-family detached' unit type and shall have a minimum lot size of 10,000 square feet, minimum width of 100 feet, and a 10-foot wide Type D landscape buffer along the project perimeter. Proposed platted lots within 100 feet of an existing residential platted subdivision in the RSF-3 zoning district are limited to the 'Dwelling, single-family detached' unit type and shall have a minimum lot size of 7,500 square feet and a minimum width of 75 feet.
   e. Provide sketch of access through Tara Phoenicia and include with plans.
   f. Cover sheet references "Planned Development Amendment" under Building Setback requirements. This project is not part of a Planned Development.
   g. Please address presence and planned treatment of Bivans Sand 5 to 8% slopes (Map Unit Number 76). This area is approximately 2.5 acres in size.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1603 or via e-mail at ahall@cityofalachua.com. We look forward to receiving your revised application.

Sincerely,

Adam Hall, AICP
Principal Planner

/attachments
cc: Kathy Winburn, Planning & Community Development Director
Justin Tabor, AICP, Principal Planner
Carson Crocket, Planner
Project File

MEMORANDUM

Tara Forest West Preliminary Plat

January 11, 2024

Professional Consultants

To: Mr. Adam Hall

From: Daniel Young, PE

Date: January 11, 2024

RE: Tara Forest West Preliminary Plat Fifth Review

CHW has reviewed the plans submitted for the Tara Forest West Preliminary Plat and have the following comments:

1. Comment cleared.
2. Comment cleared.
3. Comment cleared.
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19. Comment cleaned.
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21. Comment cleared.
22. Comment cleared.
23. Comment cleared.
24. Comment cleared.

Second Review Comments

25. Comment cleared.
26. Comment cleared.

27. Comment cleared.
28. Comment cleared.
29. Comment cleared.
30. Comment cleared.
31. Comment cleared.

Third Review Comments

32. Comment cleared.

Fifth Review Comments

1. Based on previous submittals for adjacent projects, the flood plain shown in these plans is at el. 52 and the provided plans show flood plain impacts. Please provide some information or assurance that said impact will be addressed during the construction plan approval process.
2. Per City's requirement, please show all wetlands and wetland setbacks. The City requires all wetlands and wetland setbacks within a project area to be shown in order to assure that no wetlands impacts are missed.
3. Please clarify what will be done with the land between Tara Forest West and the proposed Tara April.
4. Please clarify the projection to the April Blvd ROW at the north end of the project. It is not understood what this is for and what will be done with this area.
5. Please show all of the parcel (including the areas set aside for other projects) in the plat.
6. Please show Tara Forest East and Tara Baywood as they are approved and having them in the plans will allow the interconnectivity of the projects to be evaluated, especially as no access for Tara Forest West is shown in the submitted plans.

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

June 28, 2023

Also sent by electronic mail to logan.peters@jbpro.com

Logan Peters, P.E.
JBrown Professional Group, LLC
3530 NW 43rd Street
Gainesville, FL 32606

RE: Project Assistance Team (PAT) Comments for Tara Forest West Preliminary Plat

Dear Ms Peters:

On April 26, 2023, the City of Alachua received your revised application for the Preliminary Plat of Tara Forest West, which proposes to subdivide a ±200.68 acre subject property into a total of 538 lots (consisting of Tax Parcel Numbers 03067-001-000 and 03008-000-000), with associated common areas, open space, stormwater management facilities, and right-of-way.

The revised application has been reviewed for compliance with the applicable review standards, including the City's Comprehensive Plan and Land Development Regulations (LDRs). Based upon Staff's review, revisions must be made to the application before it may be scheduled for a public hearing before the City's Planning & Zoning Board (PZB). Please address all insufficiencies outlined below in writing and provide an indication as to how they have been addressed by 4:00 PM on Thursday, July 13, 2023. A total of four (4) copies of the complete application package (i.e., all application materials and attachments) and a CD containing a PDF of all application materials must be provided by this date. Upon receipt of your revised application, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the PZB. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time. Additionally, please note that this project requires connection to US 441 and staff does not anticipate forwarding the preliminary plat application or the related special exception application to the Planning and Zoning Board until such time as the Tara Phoenicia Infrastructure Plan is forwarded to the City Commission.

Please address the following insufficiencies (begins on next page):

Deficiencies to be Addressed
** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations. **

B. Concurrency Impact Analysis

a. Provided concurrency analysis provides overall traffic impacts generated by the proposed development, but does not provide impacts to all impacted transportation facilities. Please provide analysis showing adequate capacity on all impacted transportation segments.

New Comment: Provide revised concurrency impact analysis memo that includes all impacted transportation segments and demonstrate adequate capacity is available on all segments.

E. Outside Review

a. Please address all comments issued by Daniel Young, P.E, of CHW, Inc. in a letter dated May 10, 2023 and attached to this letter.
b. Please address all comments issued by Rodolfo Valladares, P.E., Public Services Director, and Tom Ridgik, P.E., Engineering Supervisor in a memo dated May 11, 2023 and attached to this letter.

F. New Comments

a. Per Fee Resolution 20-13, application fee covers 1 completeness review and 2 PAT Comment reviews. An additional PAT review will be needed to review responses to the items listed above, therefore a resubmittal fee equal to 25% of the original application fee shall be required upon resubmittal. The original application fee for the preliminary plat was $6,400 therefore the resubmittal fee shall be $1,600.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1603 or via e-mail at ahall@cityofalachua.com. We look forward to receiving your revised application.

Sincerely,

Adam Hall, AICP
Principal Planner

/attachments

cc: Kathy Winburn, AICP, Planning & Community Development Director
Justin Tabor, AICP, Principal Planner
Carson Crocket, Planner
Project File

City of ALACHUA
the good life community

City of Alachua

MIKE DAROZA
CITY MANAGER

RODOLFO VALLADARES, P.E.
PUBLIC SERVICES DIRECTOR

INTER-OFFICE COMMUNICATION

DATE: **May 11, 2023**

TO: **Kathy Winburn, AICP**
Planning & Community Development Director

FROM: **Rodolfo Valladares, P.E.**
Public Services Director
Tom Ridgik, P.E.
Engineering Supervisor

TR 5/10/2023

RE: **Tara Forest West Preliminary Plat**

Public Services has reviewed the subject project (September 2022 Submittal) and offer the following comments. Review was specific to the Public Services Utilities.

NO.	COMMENTS
1.	**Comments on Oct 14th Submittal** **Sheet C3.0** Under General Notes, please add the following (or equivalent): "THE HOMEOWNER'S ASSOCIATION (HOA) SHALL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF ALL COMPONENTS OF THE STORMWATER SYSTEM NOT IN THE RIGHT-OF-WAY. THE CITY OF ALACHUA WILL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE STORMWATER SYSTEM WITHIN THE RIGHT-OF-WAY." Please **resubmit** this sheet. **Comments on Feb 2nd Submittal** **Approved**
2.	**Comments on Oct 14th Submittal** **Sheet C3.0** Stormwater piping is shown entering stormwater Basins 2 & 3.

NO.	COMMENTS
	Please review stormwater Basin 1. Should stormwater piping also enter this basin? Please evaluate & **resubmit** if necessary. **Comments on Feb 2nd Submittal** **Approved**
3	**Comments on Oct 14th Submittal** **Sheet C4.0** **Typical Utility Allocation** The wastewater cleanout is shown at the PUE boundary. COA now prefers that the cleanout be located in the middle of the PUE. Thus, please add a note similar to: "For clarity, the wastewater cleanout is shown at the PUE boundary. As per CoA, install cleanouts in the middle of the PUE." Please **resubmit** this sheet. **Comments on Feb 2nd Submittal** **Approved**
4	**Comments on Oct 14th Submittal** **Sheet C4.0** **Typical Utility Allocation** Please increase the distance from the tree to the water main from 9 feet to 10 feet. To compensate, decrease the distance from TEL cable to the PE/SE from 3 feet to 2 feet. Please **resubmit** this sheet. **Comments on Feb 2nd Submittal** Trees are no longer shown on any of the Typical Allocations so this comment no longer is applicable. **No Exceptions Noted**
5	**Comments on Oct 14th Submittal** **Sheet C5.1** General Note 3: Please add "DR-18" to this note. Please **resubmit** this sheet. **Comments on Feb 2nd Submittal** **Approved**
6	**Comments on Oct 14th Submittal**

NO.	COMMENTS
	In preparing the Construction Documents, please keep in mind the following CoA requirements: • Wastewater laterals enter at lot corners, not the lot centerline. In case there are obstructions such as P-Inlets and electrical transformer, route laterals a suitable distance from such obstructions. • Minimum distance of 10 feet between trees and water mains. Suggest that the landscape architect be notified of this requirement ASAP. **FYI**
7	**Comment on Feb 2nd Submittal** **Sheet C4.0** Typical Roadway Section 1 What is the purpose of the very narrow 2.5-foot PUE? Please **submit** response. **Comment on June 8th Submittal** This section is now Section 5, C4.2 **Approved**
8	**Comment on Feb 2nd Submittal** **Sheets C4.0 through C4.3 and various other sheets.** The major assumption is that the PUEs along roadways are 7.5 feet, which is very unusual. Please change the width of such PUEs to 10 feet, which is the traditional PUE width. The City needs a 10-foot PUE width to perform various maintenance activities. Note that Sheet 3 of the Plat Book calls out a front setback requirement of 20-feet. A 10-foot PUE is compatible with this front setback requirement. Please **submit** response and the modified affected sheets. **Comment on June 8th Submittal** The Engineer's response is duly noted. Nevertheless, please provide PUEs along roadways at 10 feet. **Revise** and **Resubmit** applicable sheets. **Comments on September 2022 Documents** **Sheet C4.2** Typical Roadway Section 6 (Road N) The PUE on the left is only 5 ft. What utilities will be installed in it? Is width sufficient for utility access and maintenance? Please **submit** response & revised sheet, as applicable.

NO.	COMMENTS
9	**Comment on Feb 2nd Submittal** **Sheet C4.1** Typical Roadway Section 3 calls out concrete truck aprons. What is their purpose? Thickness of the concrete truck aprons is not called out. Is the required thickness greater than 4-inches? Please **submit** response and the modified sheet. **Comment on June 8th Submittal** This section is now Section 7, C4.3 **Approved**
10	**Comment on Feb 2nd Submittal** **Sheet C5.0** General Note 4: Although SDR 35 thickness is suitable in most applications, there are certain applications where SDR 26 is required. Thus suggest this note be changed to: "4. ALL WASTEWATER MAINS SHALL BE ASTM D-1785, SDCR 35, PVC, UNLESS OTHERWISE NOTED OR SHOWN". **Comment on June 8th Submittal** **Approved**
11	**Comment on Feb 2nd Submittal** **Sheets C2.0, C3.0, C5.0** Is a lift station adjacent to Lot 497? If so, please call it out as a "PRIVATE LIFT STATION". What is the proposed discharge point of this lift station? Please **submit** response and the modified affected sheets. **Comment on June 8th Submittal** **Approved**
12	**Comment on Feb 2nd Submittal**

NO.	COMMENTS
	Sheet C5.0 West of lot 519, either a wastewater main or lateral is shown. What is its purpose? Please **submit** response. **Comment on June 8th Submittal** **Approved**
13	**Comment on Feb 2nd Submittal** **Sheet C4.2** Typical Roadway Section 5 shows an inverted crown. Where does the collected stormwater discharge? Please **submit** response. **Comment on June 8th Submittal** **Approved**
14	**Comment on Feb 2nd Submittal** **Sheet C5.0** Certain segments of wastewater mains are shown as 10-inch. Please change to 12-inch as 10-inch is an uncommon size and the City has few stocked parts. Please **submit** response and the modified affected sheet. **Comment on June 8th Submittal** **Approved**
15	**New Comment on September 2022 Documents** **Sheets C4.3 and C5.0** The force main from the private lift station will be installed in the PUE/ROW along Road N. The Typical Utility Allocation shown on C4.3 does not show the force main, perhaps simply because the force main is not typical. Please confirm that the force main routed along Road N will be not interfered with by other utilities such as a water main. Please **submit** response and applicable sheet(s), as necessary. **Conditional Approval** Please address the above comments. Rather than submitting a complete set, the design

NO.	COMMENTS
	engineer has the option to instead forward to Public Services by email the revised pdf of this sheet. (Public Services contact is Tom Ridgik, th_ridgik@cityofalachua. org). Public Services would then review this sheet, presumably approve it and so notify the Planning Department.)
16	**New Comment on September 2022 Documents** **Plat Book, Sheet One of Ten** Under Certificate of Subdivider's Engineer, please confirm that PE License 43879 is appropriate. Please **submit** response and applicable sheet(s), as necessary. **Conditional Approval** Please address the above comments. Rather than submitting a complete set, the design engineer has the option to instead forward to Public Services by email the revised pdf of this sheet. (Public Services contact is Tom Ridgik, th_ridgik@cityofalachua. org). Public Services would then review this sheet, presumably approve it and so notify the Planning Department.)
17	**New Comment on September 2022 Documents** **Sheet C3.0** General Note 6: Consider modifying this note to take into account the drainage to/from Tara Forest East. Please **submit** response and applicable sheet(s), as necessary **Conditional Approval** Please address the above comments. Rather than submitting a complete set, the design engineer has the option to instead forward to Public Services by email the revised pdf of this sheet. (Public Services contact is Tom Ridgik, th_ridgik@cityofalachua. org). Public Services would then review this sheet, presumably approve it and so notify the Planning Department.)
18	
19	
20	
END OF COMMENTS	

Please advise if you have any questions or require additional information.
cc: Justin Tabor – AICP Principal Planner
Adam Hall – AICP Principal Planner

MEMORANDUM

Tara Forest West Preliminary Plat

May 10, 2023

CHW Professional Consultants

To: Mr. Adam Hall

From: Daniel Young, PE

Date: May 10, 2023

RE: Tara Forest West Preliminary Plat Fourth Review

CHW has reviewed the plans submitted for the Tara Forest West Preliminary Plat and have the following comments:

1. Comment cleared.
2. Comment cleared.
3. Comment cleared.
4. Comment cleared.
5. Comment cleared.
6. Comment cleared.
7. Comment cleared.
8. Comment cleared.
9. Comment cleared.
10. Comment cleared.
11. Comment cleared.
12. Comment cleared.
13. Comment cleared.
14. Comment cleared.
15. Comment cleared.
16. Comment cleared.
17. Comment cleared.
18. Comment cleared.
19. Comment cleaned.
20. Comment cleared.
21. Comment cleared.
22. Comment cleared.
23. Comment cleared.
24. Comment cleared.

Second Review Comments

25. Comment cleared.
26. Comment cleared.

27. Comment cleared.

28. Comment cleared.

29. On sheet C5.0, please note that the easement provided for the wastewater main between lots 510 and 511 is not sufficient.
    Third Review: Please revise either the location of the wastewater main or bottom width of the proposed PUE so that the proposed main is located entirely within the easement.

    Fourth Review: Please note that the lot numbers have changed to 493 and 492. Please expand the easement or move the wastewater main so that the wastewater main does not encroach onto lot 493.

30. Comment cleared.

31. Comment cleared.

Third Review Comments

32. Please provide phasing for all proposed improvements in Common Area 1, especially the stormwater management facilities.

    Fourth Review: Please clarify which phase Basin 3 and Basin 4 will be constructed with and if they will be constructed with multiple phases as is indicated for Basin 3.

Adam Hall

From: Adam Hall <ad_hall@cityofalachua.org>
Sent: Thursday, December 01, 2022 10:15 AM
To: Shannon E McMorrow
Subject: Re: Reviews for Tara Forest West and Schmidt Farms

Shannon,

Thank you very much!

Adam Hall
City of Alachua

From: "Shannon E McMorrow" <shannon.mcmorrow@wsp.com>
To: "Adam Hall" <ad_hall@cityofalachua.org>, "Shannon E McMorrow" <shannon.mcmorrow@wsp.com>
Cc: "Glen Andersen" <glen.andersen@wsp.com>
Sent: Thursday, December 1, 2022 9:05:26 AM
Subject: RE: Reviews for Tara Forest West and Schmidt Farms

I apologize Adam,
I had reviewed and sent my comments to Glen, and somehow it slipped through the cracks.

My review of the GSW report is that they have done further review and have made a conclusion/recommendation that active ground loss is not occurring in the portion of the site < 75 feet.
Which they have signed and sealed.
Therefore, I feel like they have addressed the concerns we brought up in our initial review.

Please let me know if you want to chat, or need additional information.

Thank you

Shannon McMorrow
Senior Scientist II

M+ 1 352-284-7094

From: Adam Hall <ad_hall@cityofalachua.org>
Sent: Thursday, December 1, 2022 8:53 AM
To: Shannon E McMorrow <shannon.mcmorrow@wsp.com>

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

November 14, 2022

Also sent by electronic mail to logan.peters@jbpro.com

Logan Peters, P.E.
JBrown Professional Group, LLC
3530 NW 43rd Street
Gainesville, FL 32606

RE: Project Assistance Team (PAT) Comments for Tara Forest West Preliminary Plat

Dear Mrs Peters:

On June 8, 2022, the City of Alachua received your revised application for the Preliminary Plat of Tara Forest West, which proposes to subdivide a ±200.68 acre subject property into a total of 538 lots (consisting of Tax Parcel Numbers 03067-001-000 and 03008-000-000), with associated common areas, open space, stormwater management facilities, and right-of-way.

The revised application has been reviewed for compliance with the applicable review standards, including the City's Comprehensive Plan and Land Development Regulations (LDRs). Based upon Staff's review, revisions must be made to the application before it may be scheduled for a public hearing before the City's Planning & Zoning Board (PZB). Please address all insufficiencies outlined below in writing and provide an indication as to how they have been addressed by 4:00 PM on Thursday, March 10, 2022. A total of four (4) copies of the complete application package (i.e., all application materials and attachments) and a CD containing a PDF of all application materials must be provided by this date. Upon receipt of your revised application, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the PZB. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time.

Please address the following insufficiencies (begins on next page):

Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations. **

A. Land Use

a. Under Ordinance 21-07 (adopted June 14, 2021, but not yet codified) a Special Exception permit is required for stormwater facilities in the A (Agricultural) zoning district. The special exception must be approved prior to the consideration of the preliminary plat.

New Comment: Special Exception permit application has been received. PAT Comments have been issued concurrently with this letter.

B. Concurrency Impact Analysis

a. Provided concurrency analysis provides overall traffic impacts generated by the proposed development, but does not provide impacts to all impacted transportation facilities. Please provide analysis showing adequate capacity on all impacted transportation segments.
b. Please provide AADT for east driveway connection.

Revised information not identified. Trip generation numbers have been provided but impacted segments, as defined in Section 2.4.14 of the City's LDRs have not been analyzed for available capacity.

New Comment: Referenced Concurrency Study not identified in submittal material.

C. Article 5- Dimensional Standards

m. Block containing Lots 247 – 280 appears to exceed maximum block length.
New Comment: Subdivision variance application not yet received.

E. Outside Review

a. Please address all comments issued by Daniel Young, P.E, of CHW, Inc. in a letter dated June 27, 2022 and attached to this letter.
b. Please address all comments issued by Rodolfo Valladares, P.E., Public Services Director, and Tom Ridgik, P.E., Engineering Supervisor in a memo dated June 29, 2022 and attached to this letter.
d. Environmental review has been completed by Wood Environment and Infrastructure Solutions, Inc.
Additional analysis provided October 24, 2022 and currently under review by the City's outside environmental consultant.

F. New Comments

a. Submitted traffic study states there will be connection to US 441, however, this is not shown on the preliminary plat. Additionally, the preliminary plat shows connection to Tara Baywood and Tara Forest East, however, Construction Plans have not yet been reviewed or submitted for those connections. Additionally, the traffic study does not appear to consider the connection to Tara Baywood and trips being routed to the intersection of US 441/NW 147th Drive. Without connections in place to US 441 and NW 147th Drive, Staff cannot make a recommendation of approval for the Preliminary Plat for Tara Forest West. The Traffic Study must be updated to address the connection to US 441 and NW 147th Drive.
b. Figure 6 of Archeological Resources report appears to show high incidence of artifacts in vicinity of Basin 1-C. Provide further analysis and study as recommended on Page 27 of the report provided to the City. Phase 2 analysis of 8AL7459 is required as well. See Objective 3.11, Archeological Preservation, of the Future Land Use Element in the City of Alachua Comprehensive Plan. Staff also recommends contacting the Florida

Division of Historical Resources to ensure all appropriate permitting processes are being pursued.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1603 or via e-mail at ahall@cityofalachua.com. We look forward to receiving your revised application.

Sincerely,



Adam Hall, AICP
Principal Planner

/attachments

cc: Kathy Winburn, AICP, Planning & Community Development Director
Justin Tabor, AICP, Principal Planner
Project File

City of
ALACHUA
the good life community

City of Alachua

MIKE DAROZA
CITY MANAGER

RODOLFO VALLADARES, P.E.
PUBLIC SERVICES DIRECTOR

INTER-OFFICE COMMUNICATION

DATE: **June 29, 2022**

TO: **Kathy Winburn, AICP**
Planning & Community Development Director

FROM: **Rodolfo Valladares, P.E.**
Public Services Director
Tom Ridgik, P.E.
Engineering Supervisor

TR 6/29/2022

RE: **Tara Forest West Preliminary Plat**

Public Services has reviewed the subject project (June 08 Submittal) and offer the following comments. Review was specific to the Public Services Utilities.

NO.	COMMENTS
1.	**Comments on Oct 14th Submittal** **Sheet C3.0** Under General Notes, please add the following (or equivalent): "THE HOMEOWNER'S ASSOCIATION (HOA) SHALL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF ALL COMPONENTS OF THE STORMWATER SYSTEM NOT IN THE RIGHT-OF-WAY. THE CITY OF ALACHUA WILL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE STORMWATER SYSTEM WITHIN THE RIGHT-OF-WAY." Please **resubmit** this sheet. **Comments on Feb 2nd Submittal** **Approved**
2.	**Comments on Oct 14th Submittal** **Sheet C3.0** Stormwater piping is shown entering stormwater Basins 2 & 3.

NO.	COMMENTS
	Please review stormwater Basin 1. Should stormwater piping also enter this basin? Please evaluate & **resubmit** if necessary. **Comments on Feb 2nd Submittal** **Approved**
3	**Comments on Oct 14th Submittal** **Sheet C4.0** **Typical Utility Allocation** The wastewater cleanout is shown at the PUE boundary. COA now prefers that the cleanout be located in the middle of the PUE. Thus, please add a note similar to: "For clarity, the wastewater cleanout is shown at the PUE boundary. As per CoA, install cleanouts in the middle of the PUE." Please **resubmit** this sheet. **Comments on Feb 2nd Submittal** **Approved**
4	**Comments on Oct 14th Submittal** **Sheet C4.0** **Typical Utility Allocation** Please increase the distance from the tree to the water main from 9 feet to 10 feet. To compensate, decrease the distance from TEL cable to the PE/SE from 3 feet to 2 feet. Please **resubmit** this sheet. **Comments on Feb 2nd Submittal** Trees are no longer shown on any of the Typical Allocations so this comment no longer is applicable. **No Exceptions Noted**
5	**Comments on Oct 14th Submittal** **Sheet C5.1** General Note 3: Please add "DR-18" to this note. Please **resubmit** this sheet. **Comments on Feb 2nd Submittal** **Approved**
6	**Comments on Oct 14th Submittal**

NO.	COMMENTS
	In preparing the Construction Documents, please keep in mind the following CoA requirements: • Wastewater laterals enter at lot corners, not the lot centerline. In case there are obstructions such as P-Inlets and electrical transformer, route laterals a suitable distance from such obstructions. • Minimum distance of 10 feet between trees and water mains. Suggest that the landscape architect be notified of this requirement ASAP. **FYI**
7	**Comment on Feb 2nd Submittal** **Sheet C4.0** Typical Roadway Section 1 What is the purpose of the very narrow 2.5-foot PUE? Please **submit** response. **Comment on June 8th Submittal** This section is now Section 5, C4.2 **Approved**
8	**Comment on Feb 2nd Submittal** **Sheets C4.0 through C4.3 and various other sheets.** The major assumption is that the PUEs along roadways are 7.5 feet, which is very unusual. Please change the width of such PUEs to 10 feet, which is the traditional PUE width. The City needs a 10-foot PUE width to perform various maintenance activities. Note that Sheet 3 of the Plat Book calls out a front setback requirement of 20-feet. A 10-foot PUE is compatible with this front setback requirement. Please **submit** response and the modified affected sheets. **Comment on June 8th Submittal** The Engineer's response is duly noted. Nevertheless, please provide PUEs along roadways at 10 feet. **Revise** and **Resubmit** applicable sheets.
9	**Comment on Feb 2nd Submittal** **Sheet C4.1** Typical Roadway Section 3 calls out concrete truck aprons. What is their purpose? Thickness of the concrete truck aprons is not called out. Is the required thickness greater than 4-inches?

NO.	COMMENTS
	Please **submit** response and the modified sheet. **Comment on June 8th Submittal** This section is now Section 7, C4.3 **Approved**
10	**Comment on Feb 2nd Submittal** **Sheet C5.0** General Note 4: Although SDR 35 thickness is suitable in most applications, there are certain applications where SDR 26 is required. Thus suggest this note be changed to: "4. ALL WASTEWATER MAINS SHALL BE ASTM D-1785, SDCR 35, PVC, UNLESS OTHERWISE NOTED OR SHOWN". **Comment on June 8th Submittal** **Approved**
11	**Comment on Feb 2nd Submittal** **Sheets C2.0, C3.0, C5.0** Is a lift station adjacent to Lot 497? If so, please call it out as a "PRIVATE LIFT STATION". What is the proposed discharge point of this lift station? Please **submit** response and the modified affected sheets. **Comment on June 8th Submittal** **Approved**
12	**Comment on Feb 2nd Submittal** **Sheet C5.0** West of lot 519, either a wastewater main or lateral is shown. What is its purpose? Please **submit** response. **Comment on June 8th Submittal** **Approved**

NO.	COMMENTS
13	**Comment on Feb 2nd Submittal** **Sheet C4.2** Typical Roadway Section 5 shows an inverted crown. Where does the collected stormwater discharge? Please **submit** response. **Comment on June 8th Submittal** **Approved**
14	**Comment on Feb 2nd Submittal** **Sheet C5.0** Certain segments of wastewater mains are shown as 10-inch. Please change to 12-inch as 10-inch is an uncommon size and the City has few stocked parts. Please **submit** response and the modified affected sheet. **Comment on June 8th Submittal** **Approved**
15	
END OF COMMENTS	

Please advise if you have any questions or require additional information.
cc: Justin Tabor – AICP Principal Planner
Adam Hall – AICP Principal Planner
Harry Dillard – Lead Engineering Technician

MEMORANDUM

Tara Forest West Preliminary Plat

June 27, 2022

CHW Professional Consultants

To: Mr. Adam Hall

From: Daniel Young, PE

Date: June 27, 2022

RE: Tara Forest West Preliminary Plat Second Review

CHW has reviewed the plans submitted for the Tara Forest West Preliminary Plat and have the following comments:

1. Comment cleared.
2. Comment cleared.
3. Comment cleared.
4. Comment cleared.
5. Comment cleared.
6. Comment cleared.
7. Comment cleared.
8. Comment cleared.
9. Comment cleared.
10. Comment cleared.
11. Comment cleared.
12. Comment cleared.
13. Comment cleared.
14. Comment cleared.
15. Comment cleared.
16. Comment cleared.
17. Comment cleared.
18. Comment cleared.
19. Comment cleaned.
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21. Comment cleared.
22. Comment cleared.
23. Comment cleared.
24. Comment cleared.

Second Review Comments

25. Comment cleared.
26. Comment cleared.

27. Comment cleared.
28. Comment cleared.
29. On sheet C5.0, please note that the easement provided for the wastewater main between lots 510 and 511 is not sufficient.
    Third Review: Please revise either the location of the wastewater main or bottom width of the proposed PUE so that the proposed main is located entirely within the easement.
30. Comment cleared.
31. Comment cleared.

Third Review Comments

32. Please provide phasing for all proposed improvements in Common Area 1, especially the stormwater management facilities.

City of Alachua

PUBLIC SCHOOL STUDENT GENERATION CALCULATION FORM

PROJECT # Tara Forest West **APPLICATION DATE** 10/20/21

NAME & DESCRIPTION OF PROJECT Tara Forest West Preliminary Plat Subdivision of 540 single family detached dwellings

PROJECT ADDRESS (Contact 911 Addressing @ 352.338.7361) 15845 NW US HWY 441

Tax Parcel Numbers 03067-001-000, 03020-000-000, 03008-000-000

Acreage 393.95

DEVELOPMENT DATA (check all that apply)

- [x] Single Family — Number of Units: 540
- [ ] Multi Family — Number of Units:
- [ ] Exempt (See exemptions on page 2)

Level of Review

- [ ] Pre-Application Conference
- [x] Preliminary
- [ ] Final
- [ ] Revised
- [ ] Staff Administrative Review

A determination that there is adequate school capacity for a specific project will satisfy requirements for review for school concurrency for the periods of time consistent with the Interlocal Agreement and specified in local government land development regulations; an agreement by the School Board with the developer and local government is required to extend the period for approvals for phased projects beyond the generally applicable time period

EXPLANATION OF STUDENT GENERATION CALCULATION

Student Generation is calculated based on the type of residential development and the type of schools. The number of student stations (by school type - Elementary, Middle and High School) used for calculating the school concurrency impacts is equal to the number of dwelling units by housing type multiplied by the student generation multiplier (for housing type & school type) established by the School Board. Calculations are rounded to the nearest whole number. Student Generation for each school type is calculated individually to assess the impact on the **School Concurrency Service Area (SCSA)** for each school type (Elementary, Middle and High School).

SCHOOL CONCURRENCY SERVICE AREAS (SCSA) FOR PROJECT LOCATION

Based on the project location, please identify the corresponding School Concurrency Service Areas for each school type. Maps of the SCSAs may be viewed on the Alachua County Public Schools website.

SCHOOL CONCURRENCY SERVICE AREAS (SCSA)

Elementary Northwest Alachua **Middle** Mebane **High** Santa Fe

SINGLE FAMILY RESIDENTIAL DEVELOPMENT STUDENT GENERATION CALCULATIONS

ELEMENTARY	540	**units X 0.14 Elementary School Multiplier**	76	**Student Stations**
MIDDLE	540	**units X 0.06 Middle School Multiplier**	32	**Student Stations**
HIGH	540	**units X 0.08 High School Multiplier**	43	**Student Stations**

MULTI FAMILY RESIDENTIAL DEVELOPMENT STUDENT GENERATION CALCULATIONS

ELEMENTARY		**units X 0.09 Elementary School Multiplier**		**Student Stations**
MIDDLE		**units X 0.03 Middle School Multiplier**		**Student Stations**
HIGH		**units X 0.03 High School Multiplier**		**Student Stations**

Source: School Board of Alachua County 2015 Student Generation Multiplier Analysis

EXEMPT DEVELOPMENTS (click all that apply)

☐ *Existing legal lots eligible for a building permit*

☐ *Development that includes residential uses that has received final development plan approval prior to the effective date for public school concurrency, or has received development plan approval prior to June 24, 2008, provided the development approval has not expired*

☐ *Amendments to final development orders for residential development approved prior to the effective date for public school concurrency, and which do not increase the number of students generated by the development*

☐ *Age-restricted developments that prohibit permanent occupancy by persons of school age, provided this condition is satisfied in accordance with the standards of the Public School Facilities Element or the ILA*

☐ *Group quarters that do not generate public school students, as described in the ILA*

AUTHORIZED AGENT

Name: Logan B. Peters
Mailing Address: 3530 NW 43rd Street
Gainesville, FL 32606
Phone: 352-375-8999
Email: logan.peters@jbpro.com

PROPERTY OWNER

Name: Tara Forest, LLC
Mailing Address 7717 NW 20th Lane
Gainesville, FL 32605
Phone:
Email

CERTIFICATION

PROJECT NAME : Tara Forest West **PROJECT #:**

This application for a determination of the adequacy of public schools to accommodate the public school students generated by the subject development has been reviewed for compliance with the school concurrency management program and in accordance with the ILA. The following determinations have been made:

☑ **Approved** based upon the following findings (see 2020-2021 Capacity Tables)

Elementary SCSA Northwest Alachua — Capacity Required 76

- ☐ Capacity Available — Available Capacity 272
- ☐ Capacity Available in 3 yrs — Available Capacity
- ☐ Capacity Available in Adjacent SCSA — Available Capacity

Middle SCSA Mebane — Capacity Required 32

- ☐ Capacity Available — Available Capacity 427
- ☐ Capacity Available in 3 yrs — Available Capacity
- ☐ Capacity Available in Adjacent SCSA — Available Capacity

High SCSA Santa Fe — 43

- ☐ Capacity Available — Available Capacity 328
- ☐ Capacity Available in 3 yrs — Available Capacity
- ☐ Capacity Available in Adjacent SCSA — Available Capacity

☐ **Denial** for reasons stated

Approved by

School Board Staff Certification

Suzanne M. Wynn
Community Planning Director
Alachua County Public Schools
352.955.7400 x 1445

Date: 10.22.2021

City of Alachua

A complete application for the development project was accepted on

Date:

Signed:

Printed Name:

GSE Engineering & Consulting, Inc.

October 18, 2022

Sayed Moukhtara
Tara Forest, LLC
7717 NW 20th Lane
Gainesville, Florida 32605

Summary Report of a Geological Review and Active Ground Loss Evaluation
Tara Forest West, Tara Phoenicia, Tara April
Alachua, Alachua County, Florida
GSE Project No. 14759B

GSE Engineering & Consulting, Inc. (GSE) has performed a geological review to provide an opinion on the locations of active ground loss at the Tara Forest West, Tara Phoenicia and Tara April projects in Alachua, Florida. This review and report have been prepared at your request.

Background Information

We understand that you propose to develop these properties into residential and commercial developments. The sites are generally located at the northeast quadrant of the U.S. Highway 441 and I-75 intersection in Alachua, Florida and contains approximately 555 +/- acres. Figure 1 indicates the project location.

GSE has performed geotechnical explorations at these sites to assist with stormwater management facility and infrastructure design. Please refer to reports under GSE Project Numbers 14759, 14759A, 14891 and 15138 previously submitted.

We understand the City of Alachua retained Wood Environment & Infrastructure Solutions, Inc. (Wood) to assist with the development review process. As part of this review, Wood had concerns that active ground loss may be occurring below ground elevations of 75 feet. Wood recommended that the portion of the site lower than elevation 75 feet be analyzed further with engineering and geologic studies to identify if there is actual active ground loss occurring.

This geologic review has been performed to evaluate whether active ground loss is occurring at the site.

Regional Geology

In order to understand the mechanisms of ground loss, the regional geology of the site must be reviewed and considered. Ground loss in Alachua County typically occurs from soil erosion and sinkhole development. Ground loss from soil consolidation typically does not occur, as the majority of the soils in Alachua County are over consolidated from prior land form changes (sea level rise/recession and soil deposition) that occurred in the geologic past (millions of years ago).

Alachua County straddles two physiographic provinces: Northern Highlands and Coastal Lowlands[1]. A broad karst escarpment known as the Cody Scarp separates these two provinces.

The Northern Highlands, which lie north and east of the Cody Scarp, are underlain by a thick sequence of relatively impermeable Miocene to Pleistocene sediments. Because of this thick sequence of sediments, the Northern Highlands Province contains few karst features. This upland plateau is nearly level, sloping gently to the west, north and east. Elevation ranges from about 150 to 200 feet above sea level. The plateau, which originally extended completely across the county, has many swamps. Sinkholes are not common within the plateau, but a few are found near its margin.

Thin Plio-Pleistocene sediments overlying thin and discontinuous, residual Miocene strata and Eocene limestone characterize the Lowlands. Karst features are numerous in the Lowlands. The western plains region has low relief. Elevation ranges from about 50 to 80 feet above sea level. The plain is devoid of stream channels, but it is dotted with sinks and limestone mines. While the Ocala Limestone is essentially near the surface in this region, many of the old sinks have become filled (some to a depth of 250 feet) with sand, clayey sand, and sandy clay. These soil materials come from marine submergence, soil creep and slumping, and stream transport from the Northern Highlands. This sinkhole fill tends to mask many of the karst irregularities of the Ocala surface.

The Cody Scarp, which separates the Northern Highlands from the Coastal Lowlands, contains large sinkholes, sinking streams, and other karst features. The bottoms of the karst features often penetrate to the Ocala Limestone and the depressions are usually filled with organic soils, fluvial and lacustrine sediments, and clay-rich soils. The hills within the scarp contain Miocene sediments similar to the Northern Highlands Province. Many of the large, flat-bottomed lakes and wet prairies are associated with the scarp and represent coalescent sinkholes known as poljes and uvalas. Many of these level prairies and lakes, most of which are near or below 60 feet NGVD, are associated with ground water levels.

Three major geologic formations occur at or near the surface within the county. These formations have influenced soil development. They are, in order of decreasing age, the Ocala Limestone of Eocene age, the Miocene to Pliocene Hawthorn Group, and the Plio-Pleistocene Terrace Deposits.

The Ocala Limestone underlies the entire county; exposures are common in the Coastal Lowlands in the southern and western parts of the county. Here a limestone plain is formed which is covered by a veneer of loose sand in most places. Thin and discontinuous beds of clay-rich soils may also occur in this region of the county. The Ocala Limestone consists of soft, white to cream colored, chalky, limestone that is approximately 98 percent calcium carbonate. Boulders and irregular masses of chert are common near the top. In many areas the Ocala is cavernous and fractured.

The Miocene Hawthorn Group includes at least three formations in Alachua County. These are, from bottom to top, the Penny Farms Formation, Marks Head Formation, and Coosawhatchie Formation[2]. All three formations consist of varying proportions of interbedded clay, sand, limestone, and dolostone, all of which are phosphatic.

---

1 White, W.A., 1970. The Geomorphology of the Florida Peninsula. Florida Geological Survey, Bulletin 51.

2 Scott, T.M., 1988. The Lithostratigraphy of the Hawthorn Group (Miocene) of Florida. Florida Geological Survey, Bulletin No. 59.

The Hawthorn Group crops out in isolated areas around the town of Micanopy and in an irregular pattern along the Cody Scarp from Lochloosa Lake northwestward through Gainesville and into the north-Northern and northwestern part of the county. Much of the outcrop area is hill and valley terrain created by the formation of karst features at the foot of the escarpment. A thin veneer of loose sands of the older Plio-Pleistocene Terrace deposits covers the Hawthorn Group of sediments in the Cody Scarp and Northern Highlands. The Hawthorn Group lies unconformably on the solution-pitted Ocala Limestone surface.

The most recent formation is a surface mantle of fine to medium sand, silt, and clay that formed as Pliocene and Pleistocene sea levels fluctuated and periodically inundated portions of the county. Primarily, the terrace deposits overlie the Hawthorn Group. They are exposed in the Northern and eastern parts of the county.

The site is located in the rolling hills topography of Alachua County that lies within the Cody Scarp geology. Site elevations range from about 45 feet to more than 150 feet. The site is located just northeast of the Mill Creek Sink Cave. The Mill Creek Sink Cave is a well-documented sinkhole that is connected to an underground cavern system that is commonly used for cave diving. The Wood report identifies the approximate location of the cave system, which runs to the south across U.S. Highway 441 and to the east along the northern edge of U.S. Highway 441. Cave divers have documented that the cave system to the north has collapsed and is infilled with soil. The cave system is generally on the order of 100 to 200+ feet below land surface.

General Site Observations and Historic Site Use

Mr. Kenneth L. Hill, P.E. and Mr. Jason E. Gowland, P.E. with GSE have visited the site on numerous occasions to observe the site conditions. In addition, we have reviewed historical aerials of the site to observe the changes in the surface conditions of the site.

The site is currently mostly open land that is grown up in tall weeds. There are tree lines and wooded areas scattered throughout the site. Mill Creek is wooded along its banks. The majority of the site below elevation 75 feet is a valley along Mill Creek, with moderate to steep topography sloping up to the east and west from the creek.

From approximately 2004 to 2020, the site was planted in pine trees. The pine trees were harvested around 2020. Prior to 2004, the site was mostly open pasture with scattered tree lines and wooded areas dating back to 1964.

The 1964 aerial, attached as Figure 4, indicates that some of the site had been disturbed. The northern portion of the site and an area along the north side of U.S. Highway 441 appear disturbed, and possibly used as borrow areas or construction staging. This aerial is from the time period when the I-75 construction was nearing completion (there are no autos on I-75 but autos are present on U.S Highway 441). Ponds and wetland areas are easily identifiable on the aerial, along with the meandering Mill Creek. Mill Creek appears to be dry in this aerial, as this creek primarily transports stormwater runoff. A wet weather pond in the central portion of the site east of Mill Creek appears to be man made and from the land disturbance.

The 1971 aerial, attached as Figure 5, indicates the site is mostly pasture with scattered tree lines and woods. The majority of Mill Creek is located in open pasture and appears wet. Wetlands and ponds are identifiable. The disturbed areas are somewhat overgrown with pasture, but appear to have poor coverage.

The 1982 aerial, attached as Figure 6, shows that the site has remained pasture with no significant change since 1971. The poor established pasture in the northern disturbed area is more established. The site appears dry, with no water in Mill Creek and the ponds and wet weather pond areas showing less standing water. The most obvious change is the presence of a "black dot" in the northern portion of the site. The dot is believed to be a small chimney sinkhole, as this dot is at the location of a cluster of chimney sinkholes that are present on the site. These sinkholes were previously evaluated by GSE in our Project No. 14759A.

The 1994 aerial, attached as Figure 7, shows that the site is essentially in the same condition as prior years. Mill Creek appears wet. There is no vegetation along the majority of the creek. The location of the "black dot" now has two or three dots, indicating additional chimney sinkholes have developed. A 1999 aerial, not shown, indicates a fence has been constructed around the area of the "black dots" in a square shape. Remnants of this fence remain on the site today and surround the cluster of chimney sinkholes. This confirms the black dots on the aerial are chimney sinkholes which developed from about 1982 to 1999. The 2004 aerial shows the site is planted in pine trees, and remained in this condition until their harvest around 2020.

Evaluation and Discussion of Active Ground Loss

Wood has concerns with the potential of active ground loss in the lower elevations of the site. Based upon our observation of the site and review of historical data, we agree that active ground loss is occurring at the north end of the site at the location of the cluster of chimney sinkholes (see GSE Project No. 14759A). It is our opinion that active ground loss, other than normal surface erosion, is not occurring over the remainder of the site.

Wood specifically is concerned with two features they believe are swallets. The Wood report describes the locations of these features as *immediately adjacent to the western boundary of the property (in the lower 1/3 of the property boundary) and the other on the western side of Mill Creek immediately south of the first one.* The Wood Figure 5 shows the location of one swallet. The locations of both swallets described by Wood are not within the property boundaries (they are off site) and it is our opinion they have no impact on the Tara properties.

During a telephone conference with Wood, they believed that slow ground subsidence has occurred in the lower elevations along Mill Creek over the years. This opinion was based upon comparison of USGS Topographic Maps (digitizing the elevations and overlaying them). It is our opinion this conclusion cannot be made based upon the quality of the data. USGS Map Accuracy Standards[3] states the accuracy of 1:24,0000 USGS Topographic Maps is 5 feet vertically and 40 feet horizontally. This means that any point on the map may have an elevation that is 5 feet higher or lower than what is shown. Further, any point may be 40 feet in any direction away from where it is shown.

As a comparison of the accuracy of the USGS Topographic Maps, we overlayed the USGS topographic maps from 1963 and 1999 (Figures 2 and 3) onto the site topographic surveys. The topographic surveys were provided by eda and JBPro. These overlays show that the horizontal and vertical accuracy is reasonably within this range for the portion of the site above elevation 75 feet. Below elevation 75 feet, the horizontal accuracy is far less than 40 feet (the 50 feet contour lines are approximately 175 apart) and the vertical accuracy is generally beyond 5 feet. This is shown on Figures 2 and 3.

---

3 USGS Fact Sheet 171-99, November 1999

An opinion that a few feet of ground subsidence has occurred cannot be supported by data with this accuracy. Further, there are other sites nearby and that border this site that have improvements that are below elevation 75 feet, including portions of U.S Highway 441. If slow ground subsidence was actively occurring below elevation 75 feet, there would be reported damage to existing facilities. We are not aware of slow ground subsidence damage to nearby properties. We are aware of sudden ground subsidence caused by collapse type sinkholes.

GSE agrees that ground subsidence related to soil erosion is and can continue to occur at this site. This is entirely related to the quality of ground cover and rainfall intensity. Soil erosion is occurring along Mill Creek and in natural and man-made drainage swales where ground cover is poor. It is our opinion that slow ground subsidence related to karst geology is not occurring.

Sinkholes in Alachua County are typically sudden collapse type features. The typical geology of the Cody Scarp is a thin sand layer covering clay-rich soils. A pinnacled limestone formation is below the clay-rich soil at varying depths. A surficial groundwater table is typically not present or is a transient perched condition on the clays. Sinkholes develop from the sudden erosion or collapse of soil into cracks, crevices and voids in the upper portion of the limestone formation and the development of sinkholes is commonly related to high intensity rain events. These sinkholes typically vary from a few feet in diameter to 10 to 20 feet in diameter. The cluster of sinkholes at the north end of the site are typical sinkholes for the Cody Scarp geology. GSE is not aware of a slow ground subsidence type sinkhole occurring in the Cody Scarp geology of Alachua County.

Slow ground subsidence related to karst geology is common in the Central Florida region where the geology is different. The geology in Central Florida typically consists of 40+ feet of sandy soil that overlies confining clay-rich soils. Limestone is typically at depths of 100+ feet. A surficial groundwater table is typically present within 10 feet of land surface. Slow ground subsidence occurs from the raveling (erosion) of the sandy soils through breaches in the clay confining layer into voids in the limestone formation from the infiltration of the surficial water table into the Floridan Aquifer (groundwater recharge). This type of ground subsidence can take days or years to develop. This area of Alachua County does not have this type of geology (there is no persistent surficial groundwater table to slowly infiltrate and induce raveling), and therefore, does not have slow ground subsidence related to karst geology.

Summary

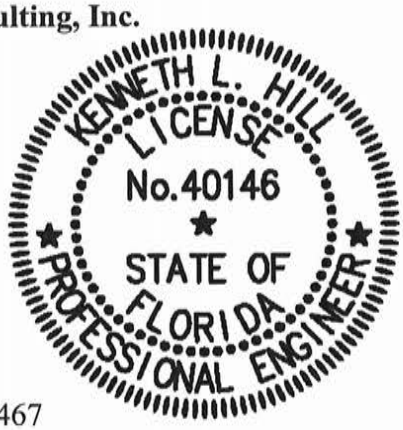
GSE has performed additional analysis and evaluations of the Tara project sites in Alachua, Florida to evaluate the potential for active ground loss. It is GSE's opinion that one isolated area at the northern portion of the site has active ground loss in the form of a cluster of chimney sinkholes that developed from approximately 1982 through 1999. These features were evaluated in GSE Project Number 14759A. It is GSE's opinion that active ground loss is not occurring in the portions of the site lower than elevation 75 feet over the remainder of the site. The two swallets identified by Wood are located off site and in our opinion have no impact on these sites. It is GSE's opinion that requiring further geological or geotechnical studies to evaluate active ground loss is an unnecessary requirement that is not warranted by the regional geology.

Closure

GSE appreciates this opportunity to provide these engineering services to you on this important matter. If you have any questions, or if we can provide any additional information, please contact us.

Sincerely,

GSE Engineering & Consulting, Inc.



This item has been digitally signed and sealed by Kenneth L Hill
Digitally signed by Kenneth L Hill
Date: 2022.10.18 12:01:46 -04'00'
on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Jason E. Gowland, P.E.
Senior Engineer
Florida Registration No. 66467

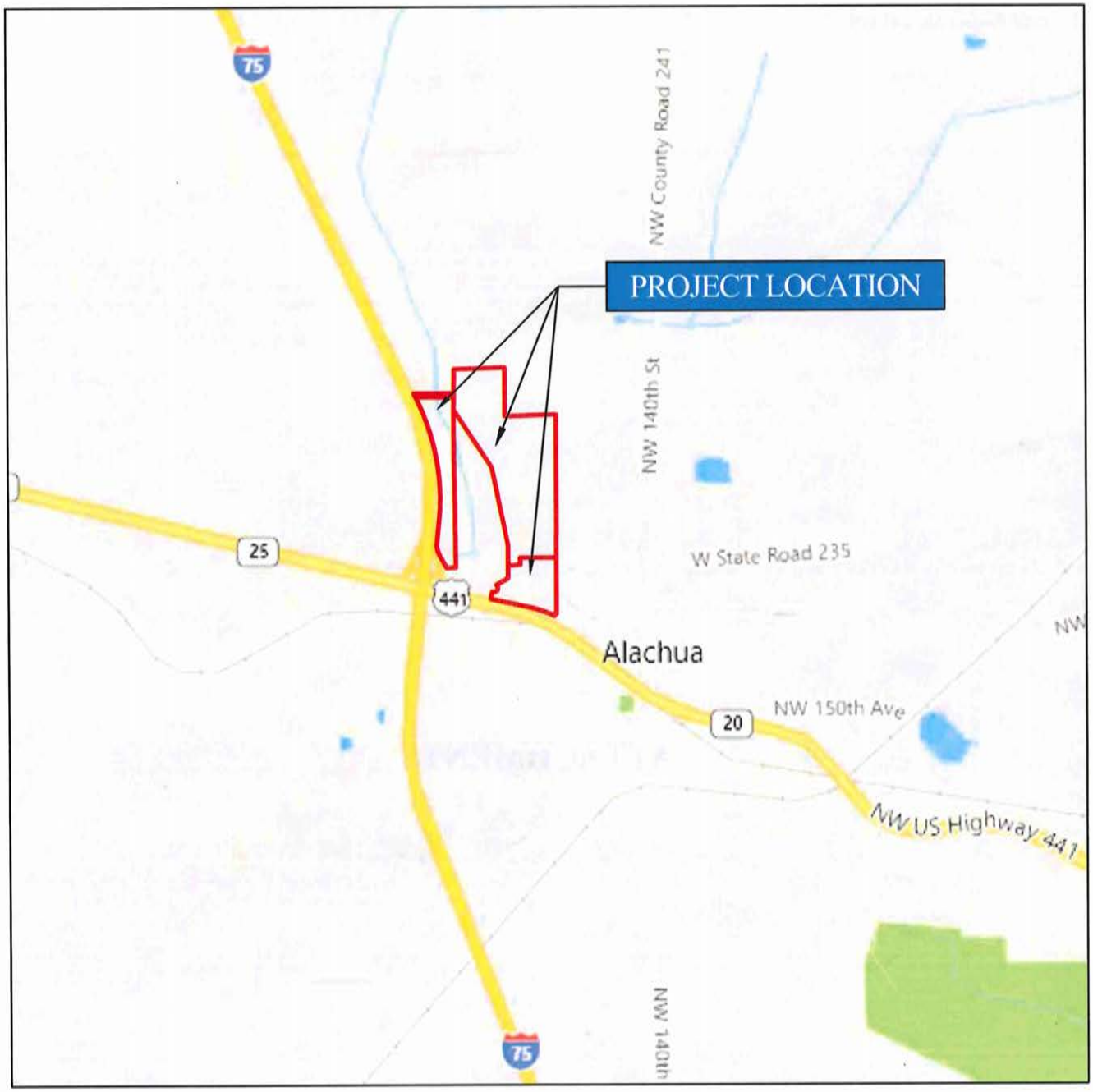
Kenneth L. Hill, P.E.
Principal Engineer
Florida Registration Number 40146

KLH/ JEG:ldj
Q:\Projects\14759B Tara Forest West - Ground Subsidence Evaluation\14759B.docx

Attachments: Figure 1 – Site Location Map
Figure 2 – 1963 USGS Topo Map Overlay on Current Topo
Figure 3 – 1999 USGS Topo Map Overlay on Current Topo
Figure 4 – 1964 Aerial
Figure 5 – 1971 Aerial
Figure 6 – 1982 Aerial
Figure 7 – 1994 Aerial

Distribution: Addressee (1)
File (1)

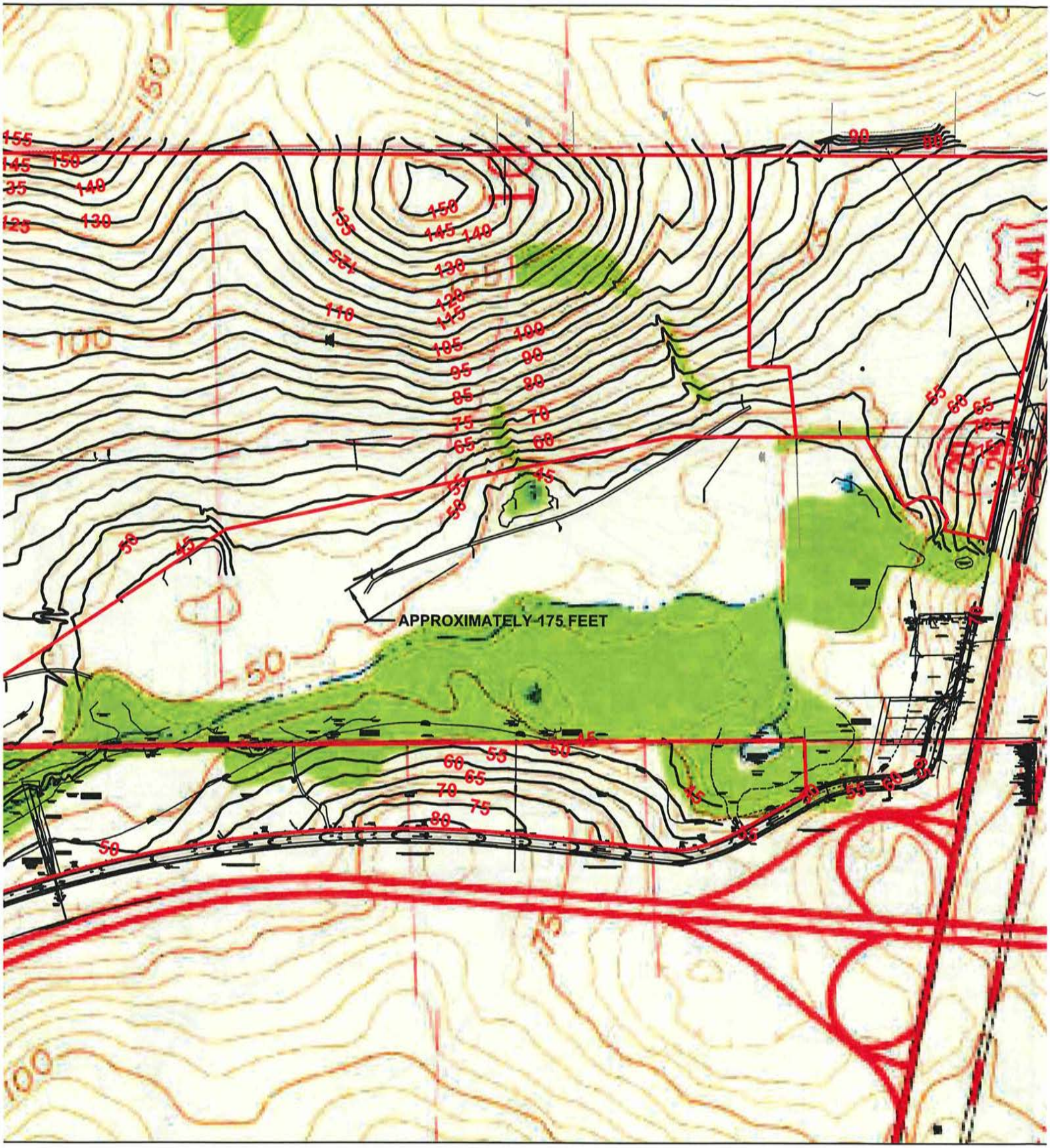
ATTACHMENTS



NORTH

NOT TO SCALE

TARA FOREST WEST, TARA PHOENICIA & TARA APRIL ALACHUA, ALACHUA COUNTY, FLORIDA GSE PROJECT NO. 14759B	PROJECT SITE LOCATION MAP		
	DESIGNED BY: KLH CHECKED BY : JEG DRAWN BY : JMG	GSE Engineering & Consulting, Inc.	FIGURE 1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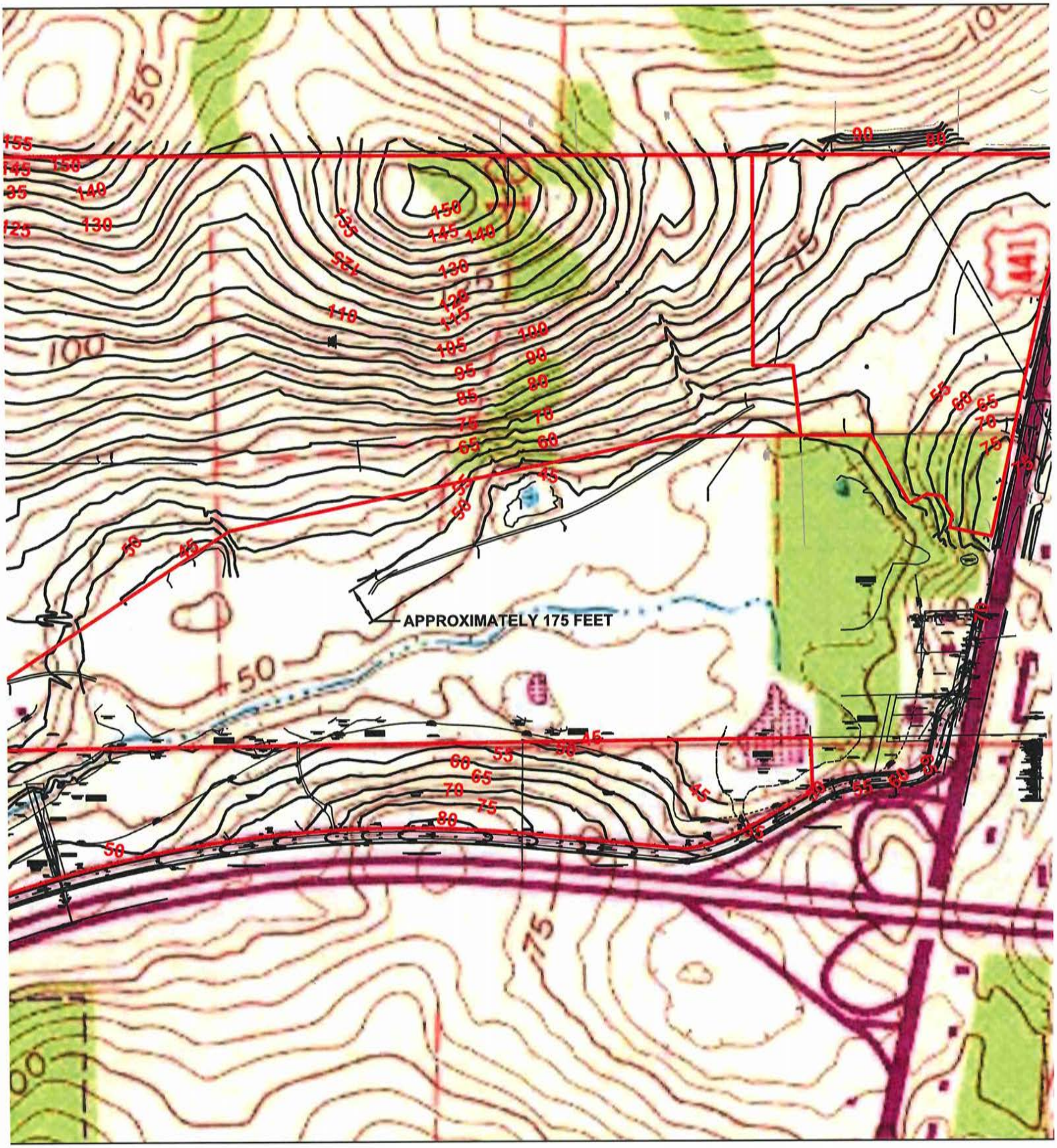
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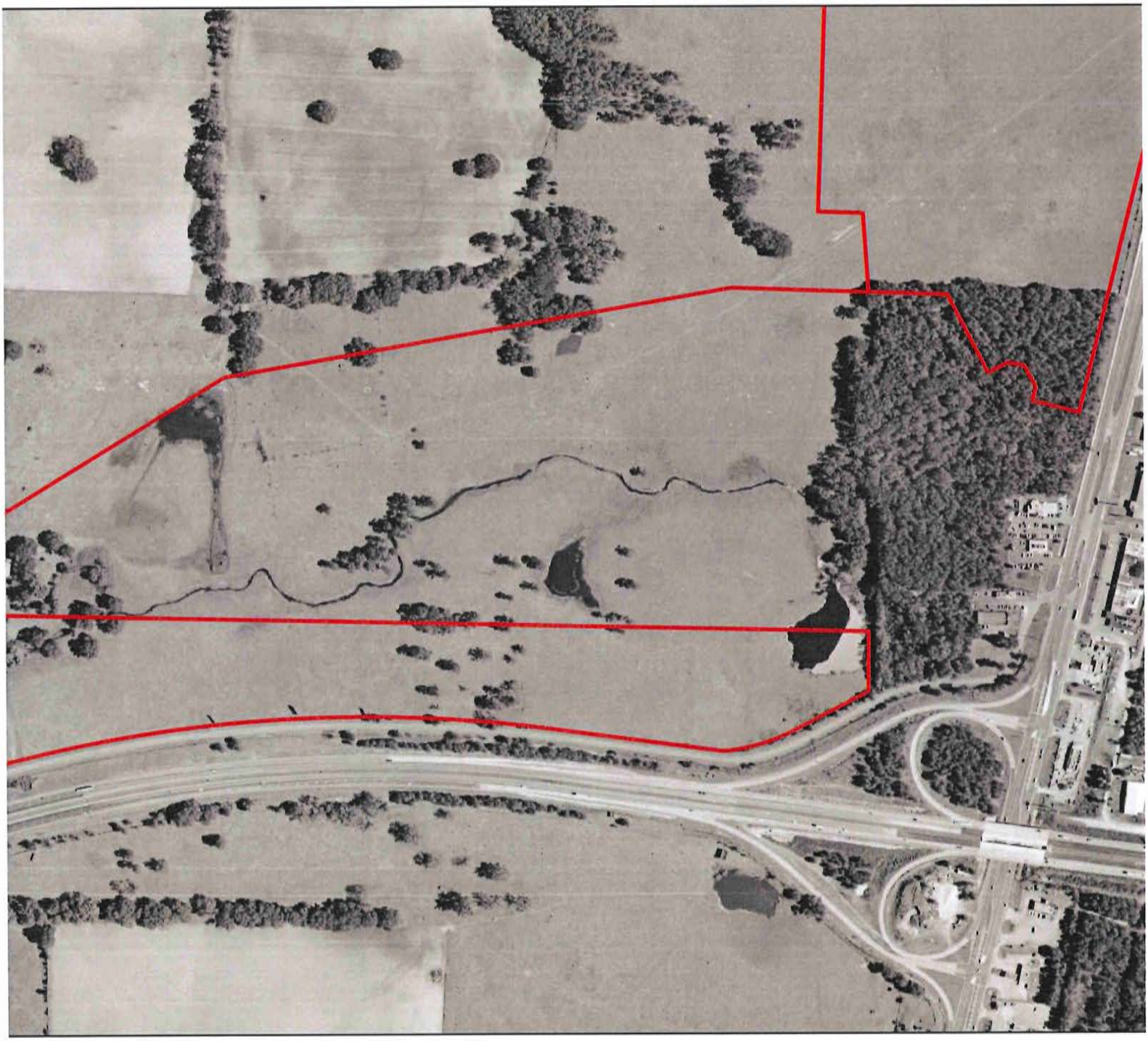

BOARD MEMBERS

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SUPERINTENDENT OF SCHOOLS

Carlee Simon, Ph.D.

Alachua County Public Schools

An 'A-rated' District

Mission Statement: We are committed to the success of every student!

District Office
620 East University Avenue
Gainesville, Florida
32601-5498

www.sbac.edu
(352) 955-7300

March 2, 2021

RE: ACPS – School Capacity and Comprehensive Zoning

Alachua County Public Schools ("ACPS") has received notification of a proposed residential development project to be located in unincorporated or incorporated Alachua County. Pursuant to Chapter 1003, Florida Statutes, the School Board is charged with the operation and control of public K-12 education and its responsibilities include school facility planning, maintenance and student zoning.

This letter is being sent as a response to the impact that will be created by proposed development. First, please be advised that the School Board will be launching a district wide comprehensive school rezoning. This will involve a comprehensive review of all public schools, including their attendance zones and the educational programs offered. As a result of this rezoning, areas of the County and the towns/cities currently zoned for a school – may no longer be zoned for the same school when the rezoning process is completed. Any new residential development that is an existing school zoning district is not guaranteed to remain in that same zoning district after the rezoning process is completed. It is anticipated that a new rezoning plan will be in place for the start of the 2022-2023 school year.

Additionally, please advise that many of ACPS do not have adequate space for additional students. The school board evaluates if there is available school capacity for each school type in the affected school concurrency service area to accommodate the impacts of the residential development. However, available school capacity based on concurrency service areas, may not be realistic to the actual ability to place additional students in a school. Due to existing or possible facility overcrowding, even if a proposed development meets school concurrency requirements, there is no guarantee from the School District that students who reside in the development will be zoned to a specific school. Attached please find supporting documentation, including a chart of school capacity v. enrollment. The School District is evaluating it measures and processes to address these overcrowding concerns. If you have additional question please contact our District office. Thank you for your understanding.

Sincerely,

Carlee Simon, PhD

Carlee Simon, Ph.D.
Superintendent
Encl.
cc: ACPS Director of Community Planning

School Board of Alachua County
School Capacity vs. Enrollment
9/25/2019

Municipality	Schools	Grade Level	Permanent Capacity	Enrollment 9/25/2019	Utilization Percentage
City of Alachua	Alachua	3 - 5	525	300	57%
County	Archer	PK - 5	489	540	110%
County	Chiles	PK - 5	727	809	111%
CoG	Duval (DELA)	PK - 1	408	163	40%
CoG	Foster	PK - 5	467	470	101%
CoG	Glen Springs	PK - 5	463	479	103%
County	Hidden Oak	PK - 5	744	770	103%
County	Idylwild	PK - 5	557	690	124%
City of Alachua	Irby	PK - 2	536	382	71%
County	Lake Forest	PK - 5	598	392	66%
CoG	Littlewood	PK - 5	588	722	123%
County	Meadowbrook	PK - 5	722	875	121%
CoG	Metcalfe	PK - 5	432	194	45%
CoG	Parker	PK - 5	489	644	132%
Newberry	Newberry	PK - 4	471	625	133%
CoG	Norton	PK - 5	669	635	95%
CoG	Rawlings	PK - 5	427	307	72%
Hawthorne	Shell	PK - 5	366	344	94%
CoG	Talbot	PK - 5	726	733	101%
CoG	Terwilliger	PK - 5	575	482	84%
County	Wiles	PK - 5	725	923	127%
CoG	Williams	PK - 5	590	546	93%
	Elementary Total		12,294		102%
CoG	Bishop	6 - 8	1,068	668	63%
County	Fort Clarke	6 - 8	875	992	113%
County	Kanapaha	6 - 8	1,107	1,120	101%
CoG	Lincoln	6 - 8	1,053	701	67%
City of Alachua	Mebane	6 - 8	779	376	48%
CoG	Westwood	6 - 8	1,150	1,073	93%
	Middle Total		6,032		82%
County	Buchholz	9 - 12	1,979	2,309	117%
County	Eastside	9 - 12	1,954	1,277	65%
CoG	Gainesville	9 - 12	1,935	1,955	101%
CoG	Loften	9 - 12	512	268	52%
Newberry	Newberry	9 - 12	671	664	99%
City of Alachua	Santa Fe	9 - 12	1,291	1,128	87%
	High Total		8,342		91%
Hawthorne	Hawthorne	6 - 12	664	367	55%
High Springs	High Springs Comm.	PK - 8	982	982	100%
Newberry	Oak View	5 - 8	709	932	131%
	Combination Total		2,355		98%
	District Schools Total		29,023		94%
CoG	AQ Jones	6 - 12	181	68	38%
CoG	Sidney Lanier	K - 12	369	177	48%
	Centers Total		550		45%
	DW Total (w/Centers)		29,573	27,082	93%

>=100%	Hawthorne Capacity = 664 (178 Middle, 486 High)
95% - 99.9%	High Springs Capacity = 982 (18 Head Start, 546 Elem., 418 Middle)
<=94.9%	Oak View Capacity = 709 (90 Elem., 619 Middle) - permanent capacity

Tara Forest, Tara Phoenicia, and Tara Baywood Site Environmental Resource Assessment

Alachua, Florida

Technical Review Report

Prepared for:

City of Alachua

15100 NW 142nd Terrace/ PO Box 9
Alachua, Florida 32616

Prepared by:

Wood Environment & Infrastructure Solutions, Inc.

404 SW 140th Terrace
Gainesville, FL 32601

Prepared by:
Shannon McMorrow, PWS
Senior Scientist

Reviewed by:
Suzy Baird
Senior Scientist

Wood Project No.: 2402210028

December 2021

Tara Forest, Tara Phoenicia, and Tara Baywood Site Environmental Resource Assessment

Technical Review Report

Alachua, Florida
Project # 2402210028 | City of Alachua

Prepared for:

City of Alachua
15100 NW 142nd Terrace/ PO Box 9, Alachua, FL 32616

Prepared by:

Wood Environment & Infrastructure Solutions, Inc.
404 SW 140th Terrace
Newberry, FL 32669
USA
T: 352.332.3318

December 2021

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Appendix A USFWS Information for Planning and Consultation (IPaC) Resource List Report

List of Acronyms

CFR	Code of Federal Regulations
City	City of Alachua
ERP	Environmental Resource Permit
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FNAI	Florida Natural Areas Inventory
FWC	Florida Fish and Wildlife Conservation Commission
IPaC	Information for Planning and Consultation
SRWMD	Suwannee River Water Management District
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
Wood	Wood Environment & Infrastructure Solutions, Inc.

1.0 Introduction

1.1 Purpose

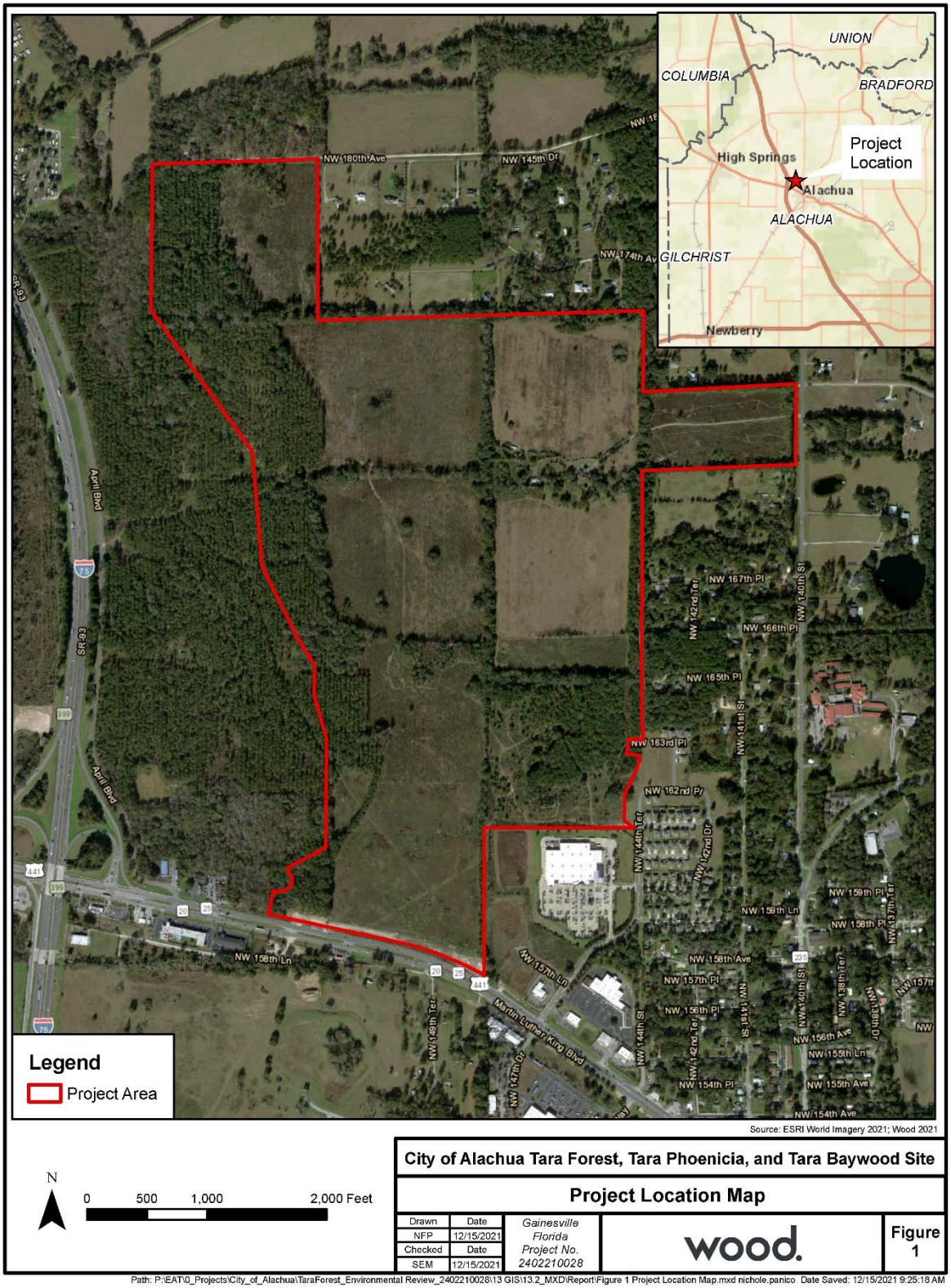
Wood Environment & Infrastructure Solutions, Inc. (Wood) was authorized by the City of Alachua (the City) to perform technical review of the Environmental Resource Assessment Report prepared by Creative Environmental Solutions, Inc (July 2021) for the Tara Forest, Tara Phoenicia, and Tara Baywood Site.

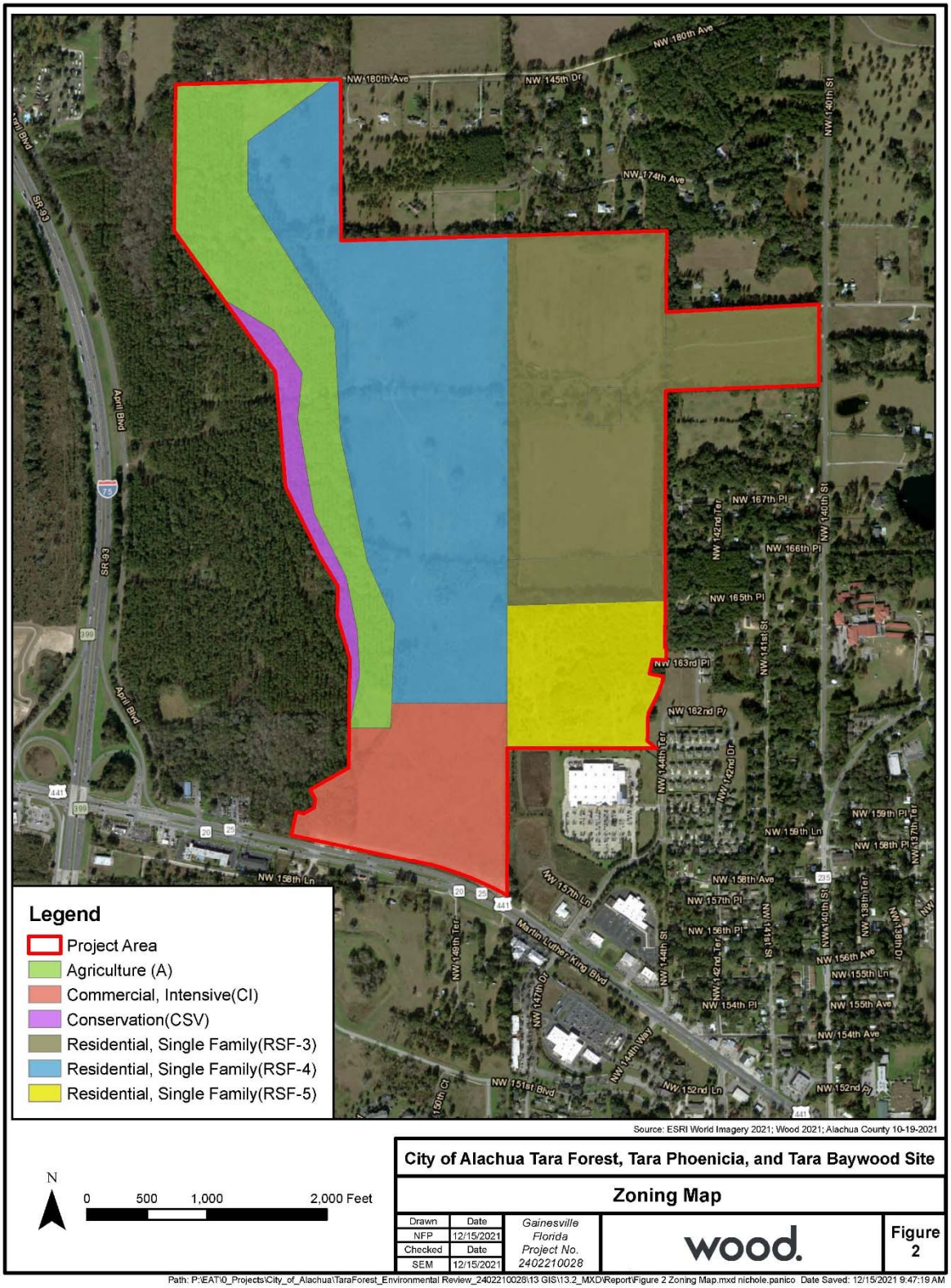
1.2 Background

Tara Forest, LLC. submitted an Environmental Resource Assessment Report to the City for the Tara Forest, Tara Phoenicia, and Tara Baywood Site prepared by Creative Environmental Solutions, Inc. (dated July 2021). The City has requested Wood review the report because the subject parcel is east of and upgradient from Mill Creek and Mill Creek Sink. Due to the Karst environment and presence of sink holes in the vicinity of the Project Site, the City requested a review of readily available information on underground caves, and potential design considerations and/or avoidance areas.

The applicant (Tara Forest, LLC) is seeking to develop a portion of Tara Forest, Tara Phoenicia and Tara Baywood Site (**Figure 1**). The 378 +/- acre property is located northeast of the intersection of Interstate 75 and US Highway 441 and is currently zoned as Agriculture, Commercial, Conservation, and Residential (**Figure 2**).

Wood scientists have reviewed the Environmental Resource Assessment Report to verify if the report findings are professionally acceptable. The findings of the review of the Environmental Resource Assessment are presented in Section 2 and 3.


UNION
COLUMBIA
BRADFORD
Project Location
High Springs
Alachua
ALACHUA
GILCHRIST
Newberry
NW 180th Ave
NW 145th Dr
NW 174th Av
SR 93
April Blvd
NW 167th Pl
NW 166th Pl
NW 165th Pl
NW 163rd Pl
NW 162nd Pl
NW 158th Ln
NW 157th Ln
NW 159th Pl
NW 159th Ln
NW 158th Pl
NW 158th Ave
NW 157th Pl
NW 156th Pl
NW 156th Ave
NW 155th Ln
NW 155th Ave
NW 154th Pl
NW 154th Ave
Martin Luther King Blvd
Legend
Project Area
Source: ESRI World Imagery 2021; Wood 2021
N
0 500 1,000 2,000 Feet
City of Alachua Tara Forest, Tara Phoenicia, and Tara Baywood Site
Project Location Map
Drawn Date
NFP 12/15/2021
Checked Date
SEM 12/15/2021
Gainesville Florida Project No. 2402210028
wood.
Figure 1
Path: P:\EAT\0_Projects\City_of_Alachua\TaraForest_Environmental Review_2402210028\13 GIS\13.2_MXD\Report\Figure 1 Project Location Map.mxd nichole.panico Date Saved: 12/15/2021 9:25:18 AM


Legend
Project Area
Agriculture (A)
Commercial, Intensive(CI)
Conservation(CSV)
Residential, Single Family(RSF-3)
Residential, Single Family(RSF-4)
Residential, Single Family(RSF-5)
NW 180th Ave
NW 145th Dr
NW 174th Ave
NW 140th St
April Blvd
SR 93
NW 167th Pl
NW 166th Pl
NW 165th Pl
NW 163rd Pl
NW 162nd Pl
NW 159th Ln
NW 158th Pl
NW 158th Ln
NW 158th Ave
NW 157th Pl
NW 157th Ln
NW 156th Pl
NW 156th Ave
NW 155th Ln
NW 155th Ave
NW 154th Pl
NW 154th Ave
NW 152nd Ln
NW 151st Blvd
Martin Luther King Blvd
N
0
500
1,000
2,000 Feet
Source: ESRI World Imagery 2021; Wood 2021; Alachua County 10-19-2021
City of Alachua Tara Forest, Tara Phoenicia, and Tara Baywood Site
Zoning Map
Drawn
Date
NFP
12/15/2021
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12/15/2021
Gainesville
Florida
Project No.
2402210028
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Figure
2
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2.0 Environmental Assessment and Listed Species Survey Review

Wood environmental scientists conducted a desktop review and site assessment to confirm or deny the findings of the Environmental Resource Assessment report. The site assessment included review of wetland delineation lines for consistency with 1987 United States Army Corps of Engineers (USACE) "Corps of Engineers Wetlands Delineation Manual" and the Florida wetland delineation method, "Delineation of the Landward Extent of Wetlands and Surface Waters" (Chapter 62-340). In addition, the site was reviewed for potential presence of protected species or their habitat.

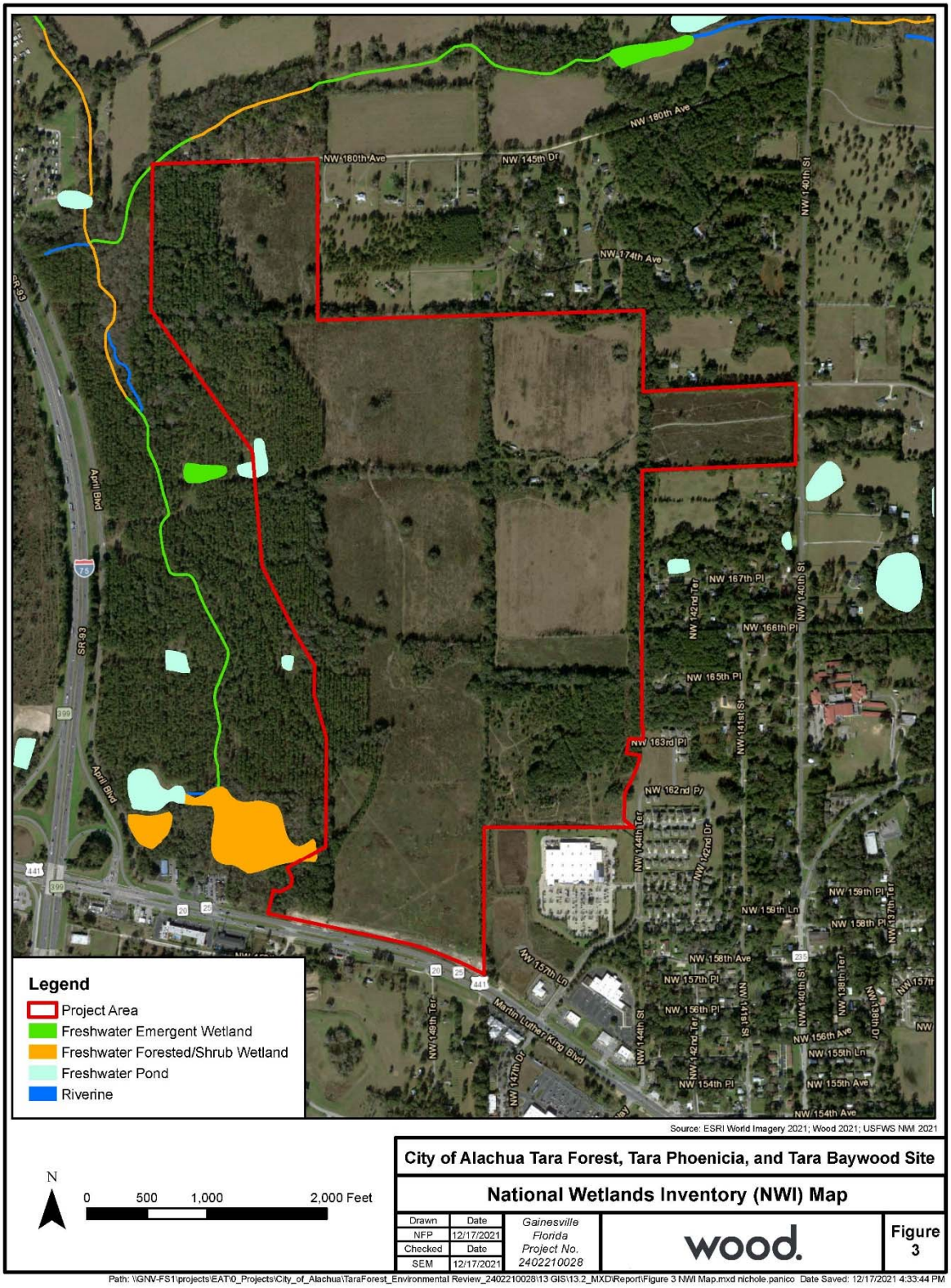
2.1 Wetland Delineation Review

Creative Environmental Solutions scientists delineated the wetland habitat on and adjacent to the subject property on June 11, 2021.

Wood scientist reviewed the USFWS National Wetland Inventory and NRCS soils (provided in the Environmental Resource Assessment report) to aid in identification of wetlands. The USFWS NWI map is shown as **Figure 3**.

On December 14, 2021, Wood scientists reviewed the wetland delineation and agreed with the general location of the wetland boundary lines. Prior to development, the wetland delineation will need to be verified by Alachua County and Suwannee River Water Management District (SRWMD).

Creative Environmental Solutions, Inc. also mapped upland habitats throughout the property as upland hardwood forest, mixed hardwood-pine, floodplain marsh, and coniferous plantation. Wood scientists reviewed the property and generally agreed with Creative Environmental Solutions assessment.


Legend
Project Area
Freshwater Emergent Wetland
Freshwater Forested/Shrub Wetland
Freshwater Pond
Riverine
NW 180th Ave
NW 145th Dr
NW 174th Ave
NW 140th St
SR 93
April Blvd
NW 167th Pl
NW 166th Pl
NW 165th Pl
NW 163rd Pl
NW 162nd Pl
NW 159th Pl
NW 159th Ln
NW 158th Pl
NW 158th Ave
NW 157th Pl
NW 157th Ln
NW 156th Pl
NW 156th Ave
NW 155th Ln
NW 155th Ave
NW 154th Pl
NW 154th Ave
Martin Luther King Blvd
Source: ESRI World Imagery 2021; Wood 2021; USFWS NWI 2021
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City of Alachua Tara Forest, Tara Phoenicia, and Tara Baywood Site
National Wetlands Inventory (NWI) Map
Drawn Date NFP 12/17/2021
Checked Date SEM 12/17/2021
Gainesville Florida Project No. 2402210028
wood.
Figure 3
Path: \\GNV-FS1\projects\EAT\0_Projects\City_of_Alachua\TaraForest_Environmental Review_2402210028\13 GIS\13.2_MXD\Report\Figure 3 NWI Map.mxd nichole.panico Date Saved: 12/17/2021 4:33:44 PM

2.2 Threatened & Endangered Species Review

Creative Environmental Solutions scientists performed a desktop survey for the potential presence of threatened and endangered species using Florida Natural Areas Inventory (FNAI) and performed a site investigation for evidence of listed species and their habitat. Wood scientists reviewed the Creative Environmental Solutions assessment. The methods used by Creative Environmental Solutions are consistent with methods that Wood scientists follow for listed species evaluations. However, we also use the USFWS Information for Planning and Consultation (IPaC) Resource List Report (USFWS, 2021a). The IPaC resources list report includes an informal list of endangered species, critical habitat, migratory birds, wildlife refuges, and wetlands (collectively referred to as trust resources) under the USFWS jurisdiction that are known or expected to be on or near the project area (**Appendix A**).

The IPaC resources list included three species not included in the FNAI species list for the project site. These included the eastern black rail (*Laterallus jamaicensis ssp. jamaicensis*), the frosted flatwoods salamander (*Ambystoma cingulatum),* and Monarch Butterfly (*Danaus plexippus*). **Table 1** outlines the species listed in the IPaC resource lists, their preferred habitat, and if that preferred habitat is found on the subject property. Foraging habitat for the eastern black rail (freshwater marshes) is noted as being present in the wetlands of the subject property. Although the frosted flatwoods salamander was listed by IPAC for the subject property, the current range for this species does not overlap with the subject property (USFWS, 2021b). The monarch butterfly was recently announced as a candidate species by USFWS, but it is not yet listed or proposed for listing, and there are no Section 7 of the Endangered Species Act requirements at this time (USFWS, 2021b). Creative Environmental Solutions also did not discuss several state listed wildlife species that were listed by FNAI as potentially occurring on the subject site. These species include the burrowing owl and the Florida mouse. These species, their preferred habitat, and if that preferred habitat is found on the subject property is included in **Table 1**.

On December 14, 2021 Wood scientists evaluated the onsite habitat compared with preferred habitats for the listed species identified by FNAI and IPaC. Wood scientists agreed with the habitat assessments made by Creative Environmental Solutions scientists. Creative Environmental Solutions observed 2 gopher tortoise burrows, and Wood scientists observed a third burrow on December 14, 2021 (**Figure 4**). Based on Creative Environmental Solutions assessment, they anticipate 6.8 (7) gopher tortoises inhabit the site. Prior to development, a Florida Fish and Wildlife Conservation Commission (FWC) compliant gopher tortoise survey would be required.

Creative Environmental Solutions did not discuss the state listed plant species that may occur on the subject property. **Table 1** includes the listed plants identified in the FNAI species report. No listed plant species are anticipated to occur on the subject property, and were not observed during Wood's site assessment on December 14, 2021.

No threatened or endangered wildlife or plant species were observed during Wood's site assessment.

2.3 Tree Protection

The Creative Environmental Solutions report did not discuss tree protection. Wood scientists observed many large trees on the property. If large trees are to be removed as part of the development, a City of Alachua Tree Removal Permit will be required.

Table 1. Threatened and Endangered Species with Potential for Occurrence on the Project Area

Scientific Name[a]	Common Name[a]	Listing Status [a]	Preferred Habitat [b]	Habitat Present on Project Site[d]
Laterallus jamaicensis ssp. *jamaicensis*	Eastern Black Rail	PT	Salt, brackish, and freshwater marshes[c]	Yes
Ambystoma cingulatum	Frosted Flatwoods Salamander	FT	Slash and longleaf pine flatwoods with a wiregrass floor and scattered wetlands	No, subject property outside current range of species.
Danaus plexippus	Monarch Butterfly	FC	Milkweed host plant (primarily *Asclepias spp.*) [c]	No
Athene cunicularia floridana	Florida Burrowing Owl	ST	Open prairies with little understory vegetation	No, subject property outside current range
Podomys floridanus	Florida Mouse	SSC	Xeric uplands with sandy soils, such as sandhill and scrub	No
Agrimonia incisa	Incised Groove-bur	ST	Fire maintained longleaf pine forest [f]	No
Calopogon multiflorus	Many-flowered Grass-pink	ST	Dry to moist flatwoods with longleaf pine, wiregrass, saw palmetto [e]	No
Hartwrightia floridana	Hartwrightia floridana	ST	Seepage slopes, edge of baygalls and springheads, wet prairies, and wet flatwoods [e]	No
Litsea aestivalis	Pondspice	SE	Peaty soils in edges of baygalls, flatwoods ponds, and cypress domes [e]	No
Matelea floridana	Florida Spiny-pod	SE	Upland hardwood forests [f]	Yes
Pycnanthemum floridanum	Florida Mountain Mint	ST	Wet swales/depressions in pine flatwoods, wet prairies, floodplain forest [f]	No
Salix floridana	Florida Willow	SE	Very wet, calcareous soils usually in dense floodplain forest [f]	No
Sideroxylon alachuense	Silver Buckthorn	SE	Upland hardwood forests around lime sinks and on shell mounds [e]	No

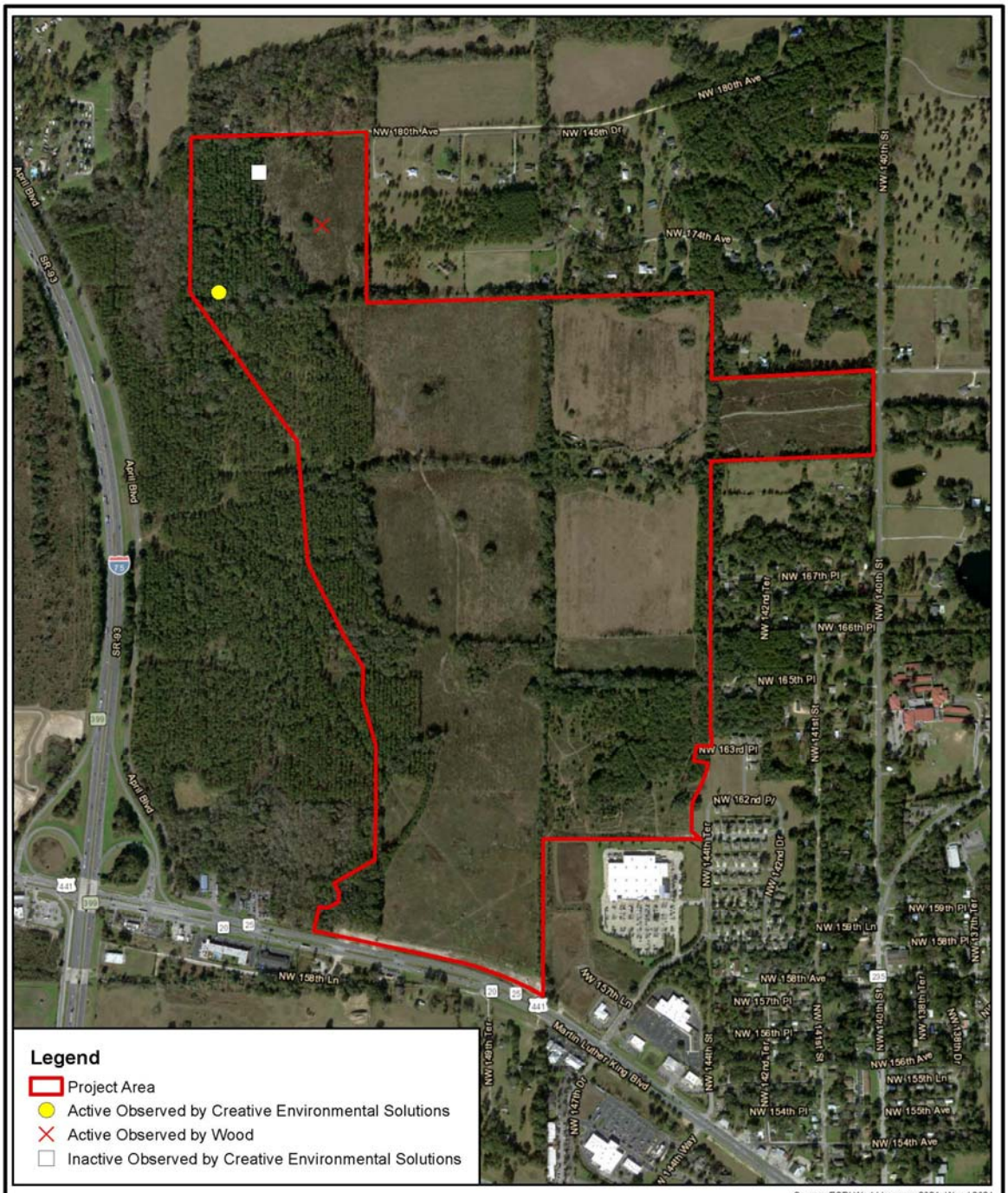
Prepared by: SEM Checked by: JLM

Note:

PT = Federally Proposed Threatened
FT = Federally Designated Threatened
FE = Federally Designated Endangered
ST = State Designated Threatened
FC = Federal Candidate
SE = State Endangered

Sources:

(a) USFWS. 2021a. IPaC Resource Report. 12/9/2021. Generated from website: https://ecos.fws.gov/ipac/.
(b) Preferred habitat determined using FWC species profiles (FWC 2021), unless otherwise stated
  a. FWC. 2021. Species Profiles. Website accessed December 2021: https://myfwc.com/wildlifehabitats/profiles/.
(c) Preferred habitat determined using USFWS species profiles (USFWS 2021b)
  a. USFWS. 2021b. Southeastern Wildlife, Species Profiles. Website accessed December 2021: https://www.fws.gov/southeast/wildlife/.
(d) Wood. 2021. Site Visit on December 14, 2021.
(e) FNAI, 2019. Florida Natural Area Inventory Field Guide. Species Field Guides - Florida Natural Areas Inventory (fnai.org).
(f) Nature Serve, 2021. Nature Server Explorer. Search Results | NatureServe Explorer . Accessed December 15, 2021.


Legend
Project Area
Active Observed by Creative Environmental Solutions
Active Observed by Wood
Inactive Observed by Creative Environmental Solutions
Source: ESRI World Imagery 2021; Wood 2021
N
0 500 1,000 2,000 Feet
City of Alachua Tara Forest, Tara Phoenicia, and Tara Baywood Site
Approximate Location of Gopher Tortoise Burrows Map
Drawn Date
NFP 12/15/2021
Checked Date
SEM 12/15/2021
Gainesville Florida Project No. 2402210028
wood.
Figure 4
Path: \\GNV-FS1\projects\EAT\0_Projects\City_of_Alachua\TaraForest_Environmental Review_2402210028\13 GIS\13.2_MXD\Report\Figure 4 Approximate Location of Gopher Tortoise Burrows.mxd nichole.panico Date Saved: 12/15/2021 11:31:04 AM

3.0 Geological Assessment

Creative Environmental Solutions' report indicated "No significant Geological Features (caves, springs, sinkholes, etc.) were observed on the site". They also indicated there were no surface features observed that indicated a direct connection to the Floridan aquifer.

According to Butt et al. (2006), the Mill Creek Sink Cave is located along the southern perimeter of the project site (**Figure 5**) and is a direct connection to the Floridan Aquifer.

The entire study area is known to be underlain with an extensive cave network and to have active karst features such as sinkholes, swallets (sinking streams), and areas that have experienced substantial subsidence. The sink noted just off the southwest corner of the property in the Creative Environmental Solutions report and shown in (**Figure 5**) is the Mill Creek Sink and is a very large water-filled sinkhole providing direct diver access to a large tunnel network in the upper Florida Aquifer.

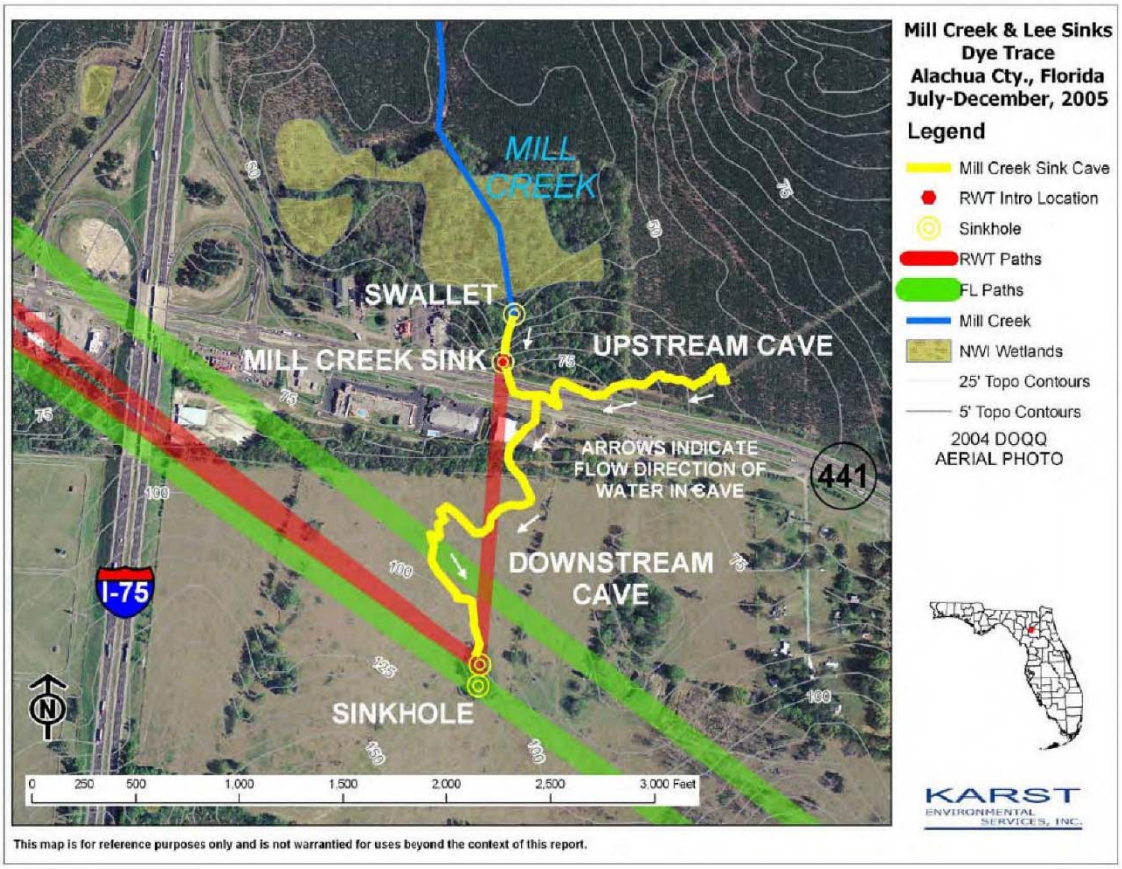
Based on a comparison of the site topographic information since 1962 (USGS), the entire western boundary of the property (<75ft elevation) appears to be an area potentially experiencing active ground subsidence. Based on the 1962 topographic map there are sinkholes present at multiple locations along this western boundary. The historical topographic maps (USGS), also indicate the presence of a sinkhole in the northwestern portion of the site and in the general vicinity of the northern portion of the eastern boundary (**Figure 6**).

The Mill Creek Sink is directly connected to the Upper Floridan Aquifer and there at least two features shown on the 1962 topographic map along Mill Creek stream valley that appear to be swallets; one immediately adjacent to the western boundary of the property (in the lower 1/3rd of the property boundary) and the other on the western side of Mill Creek immediately south and west of the first one) (**Figure 6**). There are isolated locations along the northern and eastern portion of the property and in at least one stream valley cutting diagonally across the property that appear to be exhibiting ground subsidence consistent with the formation and development of sinkholes. Whether or not these types of features are directly connected to the Floridan Aquifer would need to be demonstrated in the field.

3.1 Avoidance Areas and Recommendations

In general, within the lower Mill Creek Valley (elevation < 75 ft contour, western portion of the property), may be susceptible to subsidence, and development in these areas should consider the possibility of subsidence or sinkhole formation. Further, the depressional areas and stream valleys identified in **Figure 6**, and the Mill Creek Sink Cave shown in **Figure 5**, may experience more settlement over time, with potential for sink hole formation.

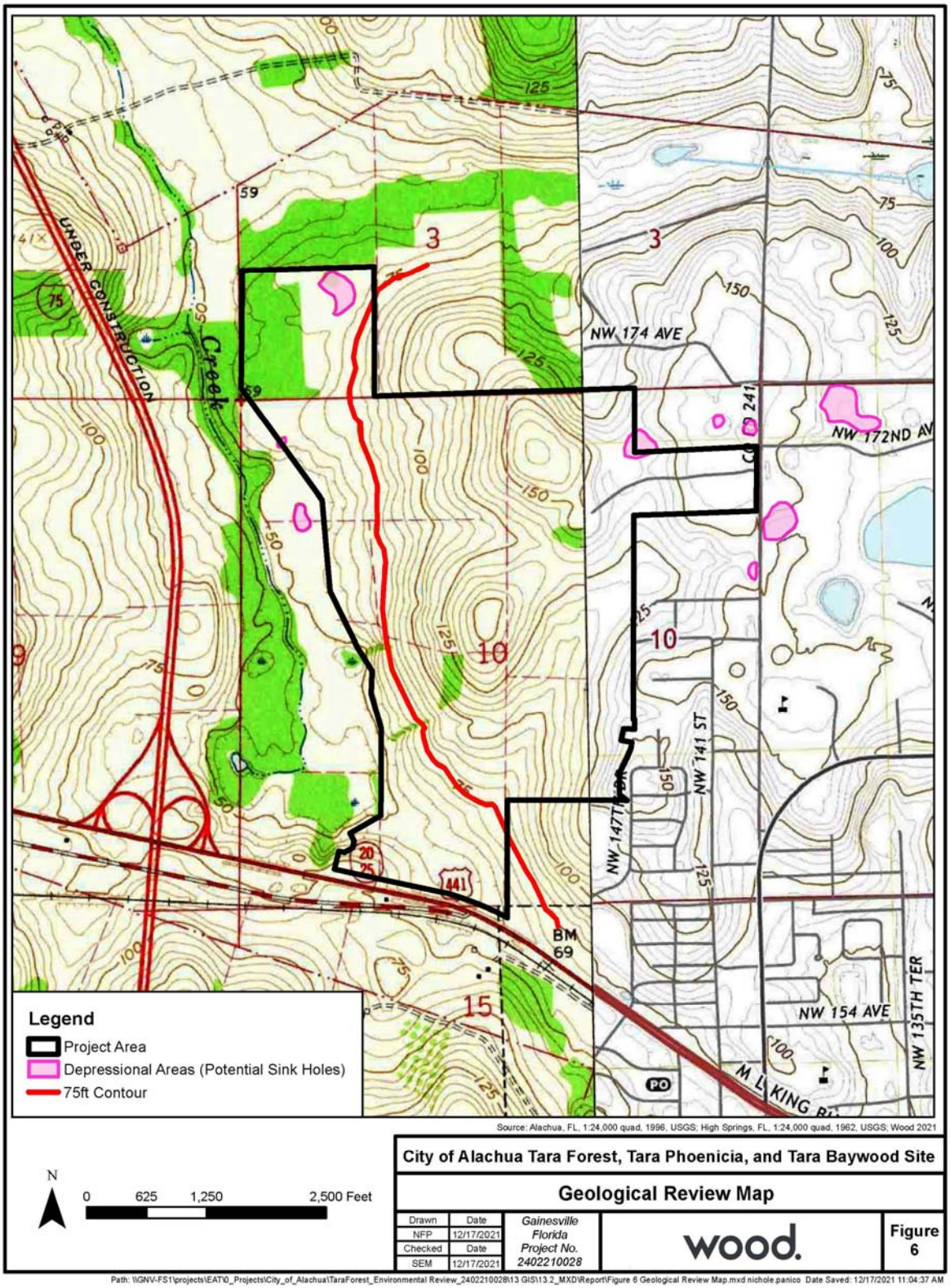
Wood recommends evaluating the likelihood of ground loss due to karst by performing site-specific engineering and geological studies. Following additional investigation, Wood recommends avoiding development in areas that have shown ground loss between the 1960's and today and selecting areas for development at higher elevations.



Source: Karst Environmental Solutions, Inc. 2005

City of Alachua Tara Forest, Tara Phoenicia, and Tara Baywood Site		
Mill Creek & Lee Sinks Dye Trace Study Map		
Gainesville Florida Project No. 2402210028	wood.	Figure 5

Path: \\GNV-FS1\projects\EAT\0_Projects\City_of_Alachua\TaraForest_Environmental Review_2402210028\13 GIS\13.2_MXD\Report\Figure 5 Mill Creek & Lee Sinks Dye Trace Study Map.mxd nichole.panico Date Saved: 12/15/2021 10:16:44 AM


Legend
Project Area
Depressional Areas (Potential Sink Holes)
75ft Contour
NW 174 AVE
NW 172ND AV
NW 141 ST
NW 147TH TER
NW 154 AVE
NW 135TH TER
UNDER CONSTRUCTION
Creek
BM 69
441
Source: Alachua, FL, 1:24,000 quad, 1996, USGS; High Springs, FL, 1:24,000 quad, 1962, USGS; Wood 2021
N
0 625 1,250 2,500 Feet
City of Alachua Tara Forest, Tara Phoenicia, and Tara Baywood Site
Geological Review Map
Drawn Date
NFP 12/17/2021
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Gainesville Florida
Project No. 2402210028
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Figure 6
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4.0 Summary and Conclusions

Wood scientists generally agree with the Environmental Resource Assessment Report for the Tara Forest, Tara Phoenicia, and Tara Baywood Site prepared by Creative Environmental Solutions. Although, the report did not address some of the listed species with the potential to occur on the site, species on the IPAC resources list and state listed plant species, impact to listed species are not anticipated.

Wetlands are protected under Rule 62-330.020 Environmental Resource Permitting of the Florida Administrative Code (F.A.C.), Section 404 of the Clean Water Act [United States Environmental Protection Agency (USEPA)], and Alachua County Code of Ordinances (Part II, Title 7, Chapter 77). If future development includes impacts to these wetlands or the wetland buffer (as defined by Alachua County and SRWMD) Environmental Resource Permit (ERP) and Alachua County development permits will be required.

The assessment of geologic features within the subject site did not include a thorough review of historical topographic maps or published reports about the karst nature of the surrounding landscape. Section 3 of this report outlines concerns and recommendations associated with the geology of the subject site. Additional site-specific engineering and geological studies are recommended.

5.0 References

Florida Fish and Wildlife Conservation Commission (FWC). 2021. Species Profiles. Website accessed December 2021: https://myfwc.com/wildlifehabitats/profiles/.

Florida Natural Area Inventory. 2019. Florida Natural Area Inventory Field Guide. Species Field Guides - Florida Natural Areas Inventory (fnai.org).

Butt, P.L., S. Boyes, and T.L. Morris. 2006. Mill Creek and Lee Sinks Dye Trace, July through December 2005. Karst Environmental Services, Inc. for Alachua County Environmental Protection Department. June 7, 2006

Nature Serve. 2021. Nature Server Explorer. Search Results | NatureServe Explorer. Accessed December 15, 2021.

United States Fish and Wildlife Service (USFWS). 2021a. Information for Planning and Consultation (IPaC) Resource Report. 12/9/2021. Generated from website: https://ecos.fws.gov/ipac/.

USFWS. 2021b. Southeastern Wildlife, Species Profiles. Website accessed December 2021: https://www.fws.gov/southeast/wildlife/.

Appendix A
USFWS Information for Planning and Consultation (IPaC) Resource List Report

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Location

Alachua County, Florida



Local office

North Florida Ecological Services Field Office

(904) 731-3336
(904) 731-3045

7915 Baymeadows Way, Suite 200
Jacksonville, FL 32256-7517

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NOT FOR CONSULTATION

NAME	STATUS
Eastern Black Rail Laterallus jamaicensis ssp. jamaicensis Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/10477	Threatened
Wood Stork Mycteria americana No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8477	Threatened

Reptiles

NAME	STATUS
Eastern Indigo Snake Drymarchon corais couperi Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/646	Threatened
Gopher Tortoise Gopherus polyphemus No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6994	Candidate

Amphibians

NAME	STATUS
Frosted Flatwoods Salamander Ambystoma cingulatum Wherever found There is **final** critical habitat for this species. The location of the critical habitat is not available. https://ecos.fws.gov/ecp/species/4981	Threatened

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

NOT FOR CONSULTATION

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN

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	THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)
American Kestrel Falco sparverius paulus This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9587	Breeds Apr 1 to Aug 31
Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Jul 31
Great Blue Heron Ardea herodias occidentalis This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Jan 1 to Dec 31
Lesser Yellowlegs Tringa flavipes This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Magnificent Frigatebird Fregata magnificens This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Oct 1 to Apr 30
Prairie Warbler Dendroica discolor This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Jul 31
Red-headed Woodpecker Melanerpes erythrocephalus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Swallow-tailed Kite Elanoides forficatus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8938	Breeds Mar 10 to Jun 30

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Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (▪)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

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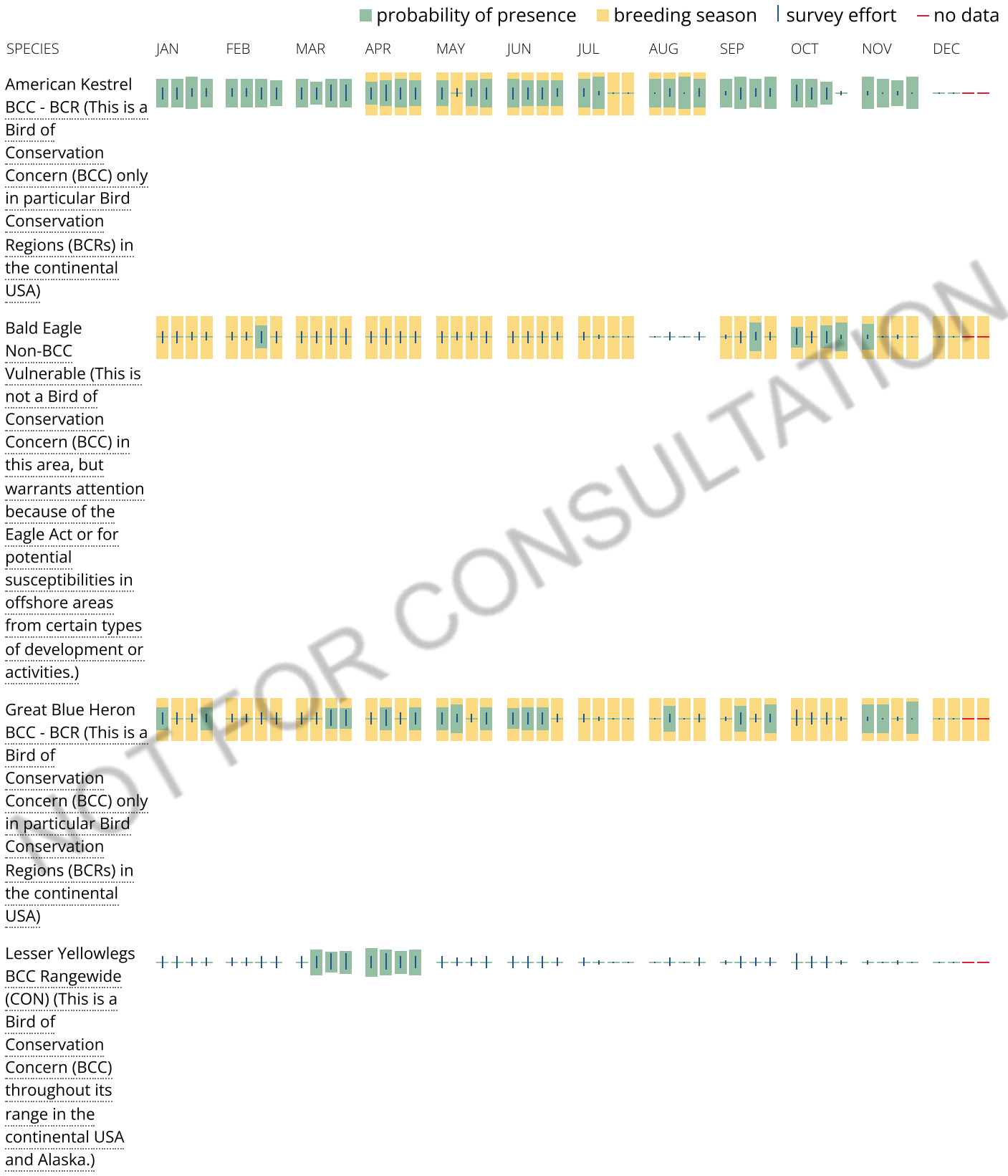
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



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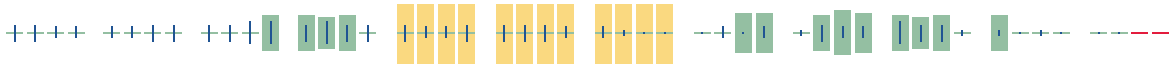
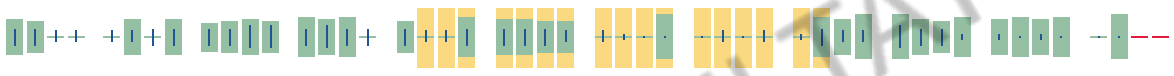
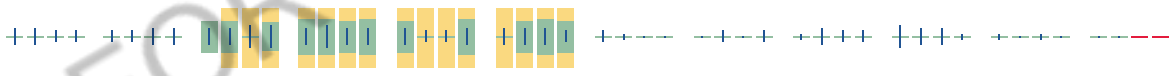
Magnificent Frigatebird BCC - BCR (This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA)



Prairie Warbler BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Red-headed Woodpecker BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Swallow-tailed Kite BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)

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Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the AKN Phenology Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

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For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

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Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

WETLAND INFORMATION IS NOT AVAILABLE AT THIS TIME

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

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Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in

activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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City of Alachua

MAYOR GIB COERPER
Vice Mayor Jennifer Blalock
Commissioner Shirley Green Brown
Commissioner Dayna Miller
Commissioner Edward Potts

OFFICE OF THE CITY MANAGER
MIKE DAROZA

June 29, 2022

Sayed Moukhtara
7717 NW 20th Lane
Gainesville, Florida 32605

RE: TARA FOREST WEST, TARA APRIL & TARA PHOENICIA

Dear Mr. Moukhtara:

This letter is in regards to the above referenced projects.

It has come to the attention of City staff ("Staff") during the review of development applications involving the above three referenced projects that were submitted at various times, that numerous aspects and requirements for them are inextricably intertwined or dependent on other prerequisites before they can be considered for final approval. In other words, none of the above projects stands on their own merit, but instead, they are dependent on the approval of the other applications.

As such, Staff, including Planning & Community Development and Public Services, will not be proceeding with further review of each of these projects in their current form, as it does not appear that any of them can receive ultimate final approval standing individually on their own merit. As Staff has been reviewing the viability of the above referenced projects, the interdependency of one project on the other or on other applications has become readily apparent. Staff does not wish to mislead any applicant regarding the success of an application.

If you wish to discuss the above, a meeting with City staff can be arranged.

Regards,

Mike DaRoza
City Manager

Cc: Kathy Winburn, Planning & Community Development Director
Rodolfo Valladares, Public Services Director
Justin Tabor, AICP, Principal Planner
Adam Hall, AICP, Principal Planner

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

November 4, 2021

Also sent by electronic mail to logan.peters@jbpro.com

Logan Peters, P.E.
JBrown Professional Group, LLC
3530 NW 43rd Street
Gainesville, FL 32606

RE: Project Assistance Team (PAT) Comments for Tara Forest West Preliminary Plat

Dear Mrs Peters:

On October 14, 2021, the City of Alachua received your revised application for the Preliminary Plat of Tara Forest West, which proposes to subdivide a ±200.68 acre subject property into a total of 538 lots (consisting of Tax Parcel Numbers 03067-001-000 and 03008-000-000), with associated common areas, open space, stormwater management facilities, and right-of-way.

The revised application has been reviewed for compliance with the applicable review standards, including the City's Comprehensive Plan and Land Development Regulations (LDRs). Based upon Staff's review, revisions must be made to the application before it may be scheduled for a public hearing before the City's Planning & Zoning Board (PZB). A meeting is scheduled to be held on November 8, 2021 to discuss the needed revisions to the submitted application. Please address all insufficiencies outlined below in writing and provide an indication as to how they have been addressed by 4:00 PM on Monday, December 6, 2021. A total of four (4) copies of the complete application package (i.e., all application materials and attachments) and a CD containing a PDF of all application materials must be provided by this date. Upon receipt of your revised application, Staff will notify you of any remaining insufficiencies which must be resolved, if any, before the item may be scheduled for a public hearing before the PZB. Please note that if Staff determines that the revised submission requires outside technical review by the City, your application may be delayed in order to allow for adequate review time.

Please address the following insufficiencies (begins on next page):

Deficiencies to be Addressed

** Unless otherwise noted, references to code sections are to the City of Alachua Land Development Regulations. **

A. Land Use

a. Proposed preliminary plat appear to show a structure that could be defined as a neighborhood recreation center. Please note that this use is not permitted with the A (Agricultural) zoning district.
b. Please provide parking calculations for proposed structures and uses in common area/ open space.
c. Under Ordinance 21-07 (adopted June 14, 2021, but not yet codified) a Special Exception permit is required for stormwater facilities in the A (Agricultural) zoning district. The special exception must be approved prior to the consideration of the preliminary plat.
d. Traffic study discusses connection to US 441 and NW 157th Lane, but these connections are not shown in the preliminary plat. These should be included with the preliminary plat or a separate infrastructure plan should be submitted. The proposal for 538 single family homes accessing US 441 through Baywood or Tara Forest East would not be acceptable.
e. Please verify if any stormwater runoff from this project will be directed towards proposed stormwater management facilities in Tara Baywood or Tara Forest East.

B. Comprehensive Plan Consistency

a. Policy 1.2.a of the Future Land Use Element response states that the development will consist of single family attached and detached units. Please verify. Single family attached units not permitted in RSF-4 zoning district.
b. Please identify amount of open space proposed in acreage and % of subject property to demonstrate compliance with Policy 2.5.a of the Future Land Use Element.

C. Concurrency Impact Analysis

a. Provided concurrency analysis provides overall traffic impacts generated by the proposed development, but does not provide impacts to all impacted transportation facilities. Please provide analysis showing adequate capacity on all impacted transportation segments.
b. Please provide AADT for east driveway connection.

D. Article 5- Dimensional Standards

a. Provide acreages for all common areas.
b. Depict setback lines for Lot 496.
c. Sheet 4 – Lot 502 references Curve C363, but this curve not identified in curve table.
d. Sheet 4 – Lot 335 references Curve C453, but this curve not identified in curve table.
e. Sheet 4 – Lots 497 and 498 appear to exceed a depth of three times the width.
f. Depict setback lines for Lot 437.
g. Sheet 8 – Lots 150 – 163 do not depict rear lot line dimensions.
h. Sheet 9 – Identify area to west of Lot 76. Common area?
i. Sheet 9 – Identify area to west of Lot 197. Common area?
j. Depict building setbacks for Lot 198. Please evaluate buildability of lot given limited envelope.
k. Sheet 10. Identify area to west of Lots 77 and 96. Common area?
l. Sheet 4 – Lot 98 does not appear to meet minimum width of 50'.

E. Article 7- Subdivision Standards

a. Block with Lots 371-375/ 402-404 does not appear to meet minimum block length per Section 7.2.3 (B)(2).
b. Block with Lots 405, 406, and 433 does not appear to meet minimum block length per Section 7.2.3 (B)(2).
c. Block with Lots 77-80/ 93-96 does not appear to meet minimum block length per Section 7.2.3 (B)(2).

d. Block with Lots 37-41/ 53-56 does not appear to meet minimum block length per Section 7.2.3 (B)(2).
e. Block with Lots 57-60/ 73-76 does not appear to meet minimum block length per Section 7.2.3 (B)(2).
f. Block with Lots 268-284 appears to exceed maximum block length per Section 7.2.3(B)(2).
g. Block with Lots 6-14/97-105 appears to exceed maximum block length per Section 7.2.3(B)(2).
h. Lot 497 exceeds maximum depth to width ratio of 3:1 per Section 7.2.4 (B)(2). Width calculated 58.54'. Depth calculated 190'.
i. Lot 498 exceeds maximum depth to width ratio of 3:1 per Section 7.2.4(B)(2). Width calculated 43.37'. Depth calculated 210'.
j. Lot 433 is a double frontage lot, which is prohibited per Section 7.2.4 (C).
k. Western termini of Roads R, Q, P may not meet intersection angle requirements per Section 7.2.5 (I)(1)(c). Please provide angle of approach for each intersection.
l. Southern terminus of Road I does not meet intersection angle requirement per Section 7.2.5. (I)(1)(c). Please revise.
m. Provide fire protection information to demonstrate compliance with Section 7.3.9.
n. Northern terminus of Road A appears to be dead end, which is prohibited under Section 7.2.5 (G). Adjacent property is developed so no street stub is required.
o. The following lots appear to not meet the minimum radii per Section 7.2.5 (I)(3):

i. 481
ii. 482
iii. 495
iv. 503
v. 33
vi. 304
vii. 270
viii. 254
ix. 281
x. 285
xi. 255
xii. 259
xiii. 260
xiv. 267
xv. 231
xvi. 239
xvii. 240
xviii. 244
xix. 138
xx. 143
xxi. 164
xxii. 169
xxiii. 180
xxiv. 181
xxv. 185
xxvi. 186
xxvii. 191
xxviii. 192
xxix. 203
xxx. 204
xxxi. 209
xxxii. 47
xxxiii. 42
xxxiv. 42
xxxv. 53
xxxvi. 52
xxxvii. 48
xxxviii. 121
xxxix. 122
xl. 66
xli. 61
xlii. 60
xliii. 73
xliv. 72
xlv. 67
xlvi. 72
xlvii. 73
xlviii. 80
xlix. 81
l. 86
li. 87
lii. 92
liii. 93

F. Outside Review
a. Please address all comments issued by Daniel Young, P.E, of CHW, Inc. in a letter dated November 2, 2021 and attached to this letter.

b. Please address all comments issued by Rodolfo Valladares, P.E., Public Services Director, and Tom Ridgik, P.E., Engineering Supervisor in a memo dated November 1, 2021 and attached to this letter.
c. Traffic review is currently underway by Brian Kanley of Volkert, Inc. Comments are anticipated by November 22, 2021. Once received, these will be forwarded.
d. Environmental review is currently underway by Wood Environment and Infrastructure Solutions, Inc. Comments are anticipated by November 29, 2021. Once received, these will be forwarded.

G. Miscellaneous/ General Comments
a. Alachua County Environmental Protection Department (EPD) requires the review and approval of stormwater management systems, unless otherwise exempt. It is recommended that the applicant contact Alachua County EPD to coordinate this review and approval. Additional information is available at: https://library.municode.com/fl/alachua_county/codes/code_of_ordinances?nodeId=PTIIADCO_TIT7HESA_CH77WAQUSTMAPR_ARTIIISTTRCO
b. Alachua County Environmental Protection Department (EPD) requires review of potential impacts to wetlands, surface water bodies and other natural resources. It is recommend that the applicant contact Alachua County EPD to coordinate this review. Additional information is available at: https://alachuacounty.us/Depts/epd/Pages/countywideresources.aspx
c. Provide Block labels for all blocks.
d. Please provide key for symbols shown on soils map sheet.
e. Phase lines shown appear to transect lots. Please address.
f. Lot 474 does not appear to be shown on Sheet C2.0 Master Phasing Plan.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1603 or via e-mail at ahall@cityofalachua.com. We look forward to receiving your revised application.

Sincerely,

Adam Hall, AICP
Principal Planner

/attachments

cc: Kathy Winburn, AICP, Planning & Community Development Director
Justin Tabor, AICP, Principal Planner
Project File

City of
ALACHUA
the good life community

City of Alachua

MIKE DAROZA
CITY MANAGER

RODOLFO VALLADARES, P.E.
PUBLIC SERVICES DIRECTOR

INTER-OFFICE COMMUNICATION

DATE: **November 1 2021**

TO: **Kathy Winburn, AICP**
Planning & Community Development Director

FROM: **Rodolfo Valladares, P.E.**
Public Services Director
Tom Ridgik, P.E.
Engineering Supervisor

TR 11/1/2021

RE: **Tara Forest West Preliminary Plat**

Public Services has reviewed the subject project (October 14 Submittal) and offer the following comments. Review was specific to the Public Services Utilities.

NO.	COMMENTS
1.	**Comments on Oct 14th Submittal** **Sheet C3.0** Under General Notes, please add the following (or equivalent): "THE HOMEOWNER'S ASSOCIATION (HOA) SHALL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF ALL COMPONENTS OF THE STORMWATER SYSTEM NOT IN THE RIGHT-OF-WAY. THE CITY OF ALACHUA WILL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE STORMWATER SYSTEM WITHIN THE RIGHT-OF-WAY." Please **resubmi**t this sheet.
2.	**Comments on Oct 14th Submittal** **Sheet C3.0** Stormwater piping is shown entering stormwater Basins 2 & 3. Please review stormwater Basin 1. Should stormwater piping also enter this basin?

NO.	COMMENTS
	Please evaluate & **resubmit** if necessary.
3	**Comments on Oct 14th Submittal** **Sheet C4.0** **Typical Utility Allocation** The wastewater cleanout is shown at the PUE boundary. COA now prefers that the cleanout be located in the middle of the PUE. Thus, please add a note similar to: "For clarity, the wastewater cleanout is shown at the PUE boundary. As per CoA, install cleanouts in the middle of the PUE." Please **resubmit** this sheet.
4	**Comments on Oct 14th Submittal** **Sheet C4.0** **Typical Utility Allocation** Please increase the distance from the tree to the water main from 9 feet to 10 feet. To compensate, decrease the distance from TEL cable to the PE/SE from 3 feet to 2 feet. Please **resubmit** this sheet.
5	**Comments on Oct 14th Submittal** **Sheet C5.1** General Note 3: Please add "DR-18" to this note. Please **resubmit** this sheet.
6	**Comments on Oct 14th Submittal** In preparing the Construction Documents, please keep in mind the following CoA requirements: • Wastewater laterals enter at lot corners, not the lot centerline. In case there are obstructions such as P-Inlets and electrical transformer, route laterals a suitable distance from such obstructions. • Minimum distance of 10 feet between trees and water mains. Suggest that the landscape architect be notified of this requirement ASAP. **FYI**
	END OF COMMENTS

Please advise if you have any questions or require additional information.
cc: Justin Tabor – AICP Principal Planner
Adam Hall – AICP Principal Planner
Harry Dillard – Lead Engineering Technician

MEMORANDUM

Tara Forest West Preliminary Plat

November 2, 2021

Professional Consultants

To: Mr. Justin Tabor

From: Daniel Young, PE

Date: November 2, 2021

RE: Tara Forest West Preliminary Plat

CHW has reviewed the plans submitted for the Tara Forest West Preliminary Plat and have the following comments:

1. Please provide sheet C5.0, Utility Allocations. If this sheet no longer exists, please remove it from the sheet index.
2. Please label the project boundary.
3. Please clarify the scale on sheet C3.0; the shown scale is 1" = 20' but the scale on sheets with similar layouts is 1" = 200'.
4. Per item "i" of the plans criteria, please provide the zoning of all adjacent properties.
5. Per item "j" of the plans criteria, please provide the acreage of all adjacent land.
6. Pursuant to comments 2 and 3, please clarify if the property to the west with the multi-use paths is within the project area.
7. Per item "k" of the plans criteria, please show building setbacks on lots with approximate dimensions.
8. Per item "k" of the plans criteria, please show and dimension all proposed easements, including public utility easements. Please note that this includes easements for potable water and sanitary sewer.
9. Pursuant to comment 7, please clarify the fact that the typical roadway sections on sheet C4.0 show a 10 ft PUE on both sides of the right-of-way but the PUE is not shown on any of the plans sheets.
10. Per item "k" of the plans criteria, please provide the acreage for the common areas shown on sheets RP-1 to RP-10.
11. Per item "l" of the plans criteria, please provide lot numbers on sheets C2.0, C3.0, and C5.1.
12. Per item "m" of the plans criteria, thank you for providing general note 7 on sheet C5.1. Please provide on the plan where the connection points for water and sewer will be located and please provide information on the electrical service.
13. Per item "m" of the plans criteria, please note that at the current scale, sheet C5.1 is illegible. Please provide detail sheets for utility layout.
14. Per item "n" of the plans layout, please clarify the FEMA flood zone for the project area. Sheet C0.0 shows a flood zone of "A" and sheet C3.0 shows the limit of a FEMA flood plain. Please clarify if the flood plain shown on C3.0 is the flood zone referenced on C0.0 and clarify the flood zone for the remaining area.
15. Please either label or remove the flood plain limits from sheet C5.1.
16. Per item "n" of the plans criteria, please show the limits of wetlands shown on C3.0.
17. Pursuant to comment 16, please note that impacts to wetlands will need to be mitigated.
18. Per item "o" of the plans criteria, please provide drainage divides.
19. Per item "o" of the plans criteria, please provide information on drainage direction.

20. Please note that at the provided scale, C3.0 is illegible. Please provide detailed drainage sheets.
21. Per item “p”, please label all preliminary plat sheets with “NOT FOR FINAL RECORDING”.
22. Please clarify which phase each of the proposed SMFs will be built in, as several of the SMFs cross phase lines.
23. Please provide dimensions ROWs and easements on preliminary plat sheets, including PUEs for lots.
24. CHW recommends hatching the project area on sheet C0.0 for clarity. No response required.

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

October 20, 2021

Also sent by electronic mail to logan.peters@jbpro.com

Logan Peters, P.E.
JBrown Professional Group, LLC
3530 NW 43rd Street
Gainesville, FL 32606

RE: Completeness Review of Tara Forest West Preliminary Plat

Dear Ms Peters:

On October 14, 2021, the City of Alachua received your revised application for the Preliminary Plat of Tara Forest West, which proposes to subdivide a ±200.68 acre subject property into a total of 538 lots (consisting of Tax Parcel Numbers 03067-001-000 and 03008-000-000), with associated common areas, open space, stormwater management facilities, and right-of-way.

According to Section 2.2.6 of the Land Development Regulations (LDRs), upon receipt of an application, a completeness review shall be conducted to determine that the application contains all the necessary information and materials, is in proper form and of sufficient detail, and is accompanied by the appropriate fee. The Planning Department has reviewed the aforementioned application for completeness and finds that the application is complete.

An in-depth review of the content of the application will now be performed, and the findings of the in-depth review will be discussed at a Project Assistance Team (PAT) Meeting, which will be scheduled at a later date.

If you have any questions regarding the information above, please contact me at 386-418-6100 x 1603 or via e-mail at ahall@cityofalachua.com.

Sincerely,

Adam Hall, AICP
Principal Planner

c: Mike DaRoza, City Manager *(by electronic mail)*
Kathy Winburn, AICP, Planning & Community Development Director *(by electronic mail)*
Justin Tabor, AICP, Planner *(by electronic mail)*
Project File

City of Alachua

MIKE DAROZA
CITY MANAGER

PLANNING & COMMUNITY DEVELOPMENT
DIRECTOR KATHY WINBURN, AICP

August 30, 2021

Also sent by electronic mail to logan.peters@jbpro.com

Logan Peters, P.E.
JBrown Professional Group, LLC
3530 NW 43rd Street
Gainesville, FL 32606

RE: Completeness Review of Tara Forest West Preliminary Plat

Dear Ms Peters:

On August 23, 2021, the City of Alachua received your application for the Preliminary Plat of Tara Forest West, which proposes to subdivide a ±393.95 acre subject property into a total of 540 lots (consisting of Tax Parcel Numbers 03067-001-000 and 03008-000-000), with associated common areas, open space, stormwater management facilities, and right-of-way.

According to Section 2.2.6 of the Land Development Regulations (LDRs), upon receipt of an application, a completeness review shall be conducted to determine that the application contains all the necessary information and materials, is in proper form and of sufficient detail, and is accompanied by the appropriate fee. The Planning Department has reviewed the aforementioned application for completeness and finds that the application is incomplete.

The comments below are based solely on a preliminary review of your application for completeness. An in-depth review of the content of the application will be performed, and the findings of the in-depth review will be discussed at a Project Assistance Team (PAT) Meeting, which will be scheduled after the application is determined to be complete.

In order to provide a complete application, you must address the following:

1. **Major Subdivision Preliminary Plat Application, Response A.5, Number of Proposed Lots:** Proposed number of lots is 540. The total amount of land in Moderate Density Residential, however, appears to be 134.50 acres, per Ordinance 09-14. This would result in a maximum residential density of 538 units (134.50 acres x 4 du/acre). Please address. Concurrency calculations and traffic study may need to be revised to reflect new total amount.
2. **Major Subdivision Preliminary Plat Application, Response A.12, Acreage:** Cover sheet of plans and application state acreage is 335.63 acres, while legal description and provided survey show area as 200.68 acres. Provided comprehensive plan consistency analysis states overall acreage is 393.95 acres. Please verify acreage and ensure consistency throughout application.
3. **Subdivision Application, Preliminary Plat Attachment #1 – Plans:**
   a. **Attachment #1.i: Zoning of Adjacent Properties:** Provided vicinity map does not show zoning designations of adjacent properties.

   b. **Attachment #1.n: Natural Features:** Provided plans do not include environmental features of the subject property including wetlands, streams, water courses, special flood hazard areas, etc.

4. **Major Subdivision Preliminary Plat Application, Attachment #2. – Concurrency Impact Analysis:**
   a. Concurrency Analysis for Transportation refers to the provided traffic study entitled "Tara Phoenicia/ Tara West Phase I Traffic Study" completed by Buckholz Traffic and dated March 2021. This traffic study does not contemplate full build out of Tara Forest West, and does not provide analysis of impacts to the affected traffic segments as required by Section 2.4.14 (H)(2)(b), of the City of Alachua Land Development Regulations. A revised concurrency analysis and traffic study showing transportation impacts by the complete Tara Forest West project to the affected traffic segments must be provided.
5. **Major Subdivision Preliminary Plat Application, Attachment #3. – Comprehensive Plan Consistency Analysis:**
   a. Response to Policy 1.2.a of the Future Land Use Element indicates that this development is a part of a new overall Planned Development – Residential zoned project. Subject property is zoned Commercial Intensive (CI), Agricultural (A), and Residential Single Family- 4 (RSF-4). If intent is that the property or properties will be zoned to Planned Development – Residential (PD-R), this rezoning should occur prior to submission of preliminary plat.
   b. Response to Policy 1.10.g of the Conservation and Open Space Element indicates that there are no wetlands on the subject property, however, Figure 7 of the provided environmental assessment shows flagged wetlands within the project area. The response also indicates that this project is part of a larger development to be known as "Tolosa". Please address.
   c. Response to Objective 1.12 and Policy 1.12.d of the Conservation and Open Space Element indicates that there are no wetlands or surface water bodies within the project area. However, Figure 7 of the provided environmental assessment shows flagged wetlands within the project area. Additional, various figures from the provided environmental assessment show Mill Creek to be located in the area where a roadway connection from the residential lots to April Boulevard is proposed. Response also references "Tolosa". Please address.
6. **Major Subdivision Preliminary Plat Application, Attachment #4. – Mailing Labels:**
   a. Provided mailing labels did not include all person and organizations registered with the City to receive notice of development applications. Please find this list here:
   b. Only one set of incomplete mailing labels included with submittal. Please provide additional set of complete mailing labels.
7. **Major Subdivision Preliminary Plat Application, Attachment #10 – Traffic Impact Analysis:**
   a. Provided traffic study entitled "Tara Phoenicia/ Tara West Phase I Traffic Study" completed by Buckholz Traffic and dated March 202 does not contemplate full build out of Tara Forest West, and does not provide analysis of impacts to the affected traffic segments as required by Section 2.4.14 (H)(2)(b), of the City of Alachua Land Development Regulations.
   b. Traffic study states there will be, among other connections, an unsignalized connection to US 441, however the submitted preliminary plat does not show this connection. Plans also show connection from residential lots to April Boulevard through a new roadway connection, but this connection is not contemplated by the submitted traffic study.
8. **Major Subdivision Preliminary Plat Application, Attachment #11 – Environmental Assessment:**
   a. Submitted preliminary plat includes connection between residential lots and April Boulevard, which appears to potentially impact environmentally sensitive lands including surface water and/or wetlands. This connection does not appear to have been contemplated in the environmental assessment entitled "378± Acre Tara Forest, Tara Phoenicia, and Tara Baywood Site, Alachua County Environmental Resources Assessment" completed by Creative Environmental Solutions, Inc, and dated July 18, 2021.

Per Section 2.2.6 (B), failure to address the deficiencies noted above within 45 calendar days will result in administrative withdrawal of the application. Three hard copies of submitted application are available for retrieval from the Building Department at City Hall. If you have any questions regarding the information above, please contact me at 386-418-6100 x 1603 or via e-mail at ahall@cityofalachua.com.

Sincerely,

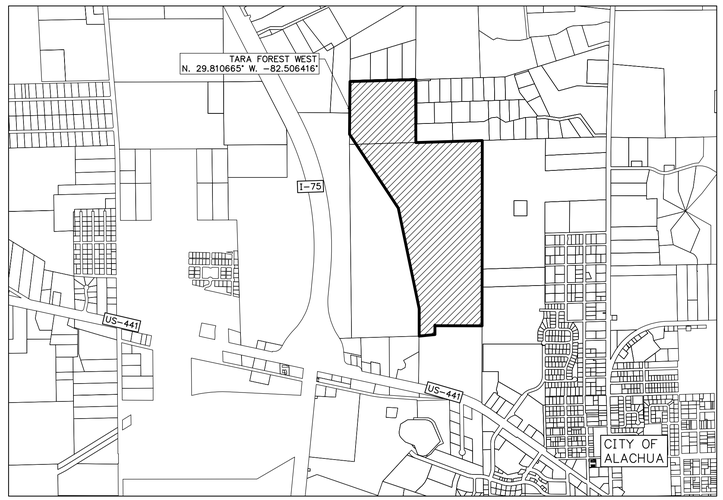
Adam Hall, AICP
Principal Planner

c: Mike DaRoza, City Manager *(by electronic mail)*
Kathy Winburn, AICP, Planning & Community Development Director *(by electronic mail)*
Justin Tabor, AICP, Planner *(by electronic mail)*
Project File

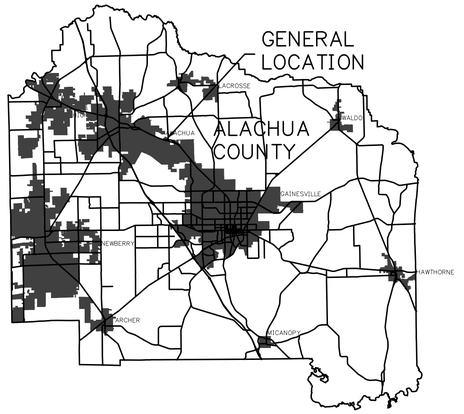
GENERAL DEVELOPMENT INFORMATION

1.	PROPOSED NAME OF SUBDIVISION:	TARA FOREST WEST
2.	OWNER:	TARA FOREST, LLC 7717 NW 20TH LANE GAINESVILLE, FL 32605 (352) 278-5317
3.	CIVIL ENGINEER:	JBROWN PROFESSIONAL GROUP INC. CHRISTOPHER A. POTTS, P.E. 3530 NW 43RD STREET GAINESVILLE, FL 32606 (352) 375-8999
4.	SURVEYOR:	JBROWN PROFESSIONAL GROUP INC. TROY WRIGHT, PSM 7210 3530 NW 43RD STREET GAINESVILLE, FL 32606 (352) 375-8999
5.	VICINITY MAP:	SEE MAP THIS SHEET
6.	TAX PARCEL NO'S.:	03067-001-000, 03008-000-000.
7.	PARCEL SIZE:	198.39± ACRES (523 LOTS)
8.	SECTION/TOWNSHIP/RANGE	10/08S/18E
9.	FUTURE LAND USE:	MODERATE DENSITY RESIDENTIAL
10.	ZONING:	RSF-4, CI
11.	ROADWAY TYPE:	URBAN CURB AND GUTTER ROADWAY WITH STORM SEWER PIPE PIPING AND RENTAL LIGHTS FROM CITY OF ALACHUA
12.	UTILITY PROVIDERS:	WATER: CITY OF ALACHUA SEWER: CITY OF ALACHUA ELECTRIC: CITY OF ALACHUA PHONE/CABLE: WINDSTREAM/COX
13.	FEMA FLOOD PLAIN:	MAP: 12001C0120D ZONE: A MAP: 12001C0110D ZONE: A

PRELIMINARY PLAT OF TARA FOREST WEST FOR TARA FOREST, LLC ALACHUA, FL



LOCATION MAP



GENERAL COUNTYWIDE LOCATION MAP
N.T.S.

TARA FOREST WEST	
SHEET INDEX	
SHEET NO.	TITLE
C0.0	COVER SHEET
C1.0	SOILS MAP
C2.0	MASTER PHASING PLAN
C3.0	MASTER DRAINAGE PLAN
C4.0 – C4.2	TYPICAL ROADWAY SECTIONS
C4.3	TYPICAL SECTIONS AND UTILITY ALLOCATIONS
C5.0	MASTER UTILITY PLAN
SUR-1 – SUR 18	BOUNDARY & TOPOGRAPHIC SURVEY
RP-1 – RP-10	PRELIMINARY PLAT

REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842

PRELIMINARY NOT FOR CONSTRUCTION

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Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE: COVER SHEET

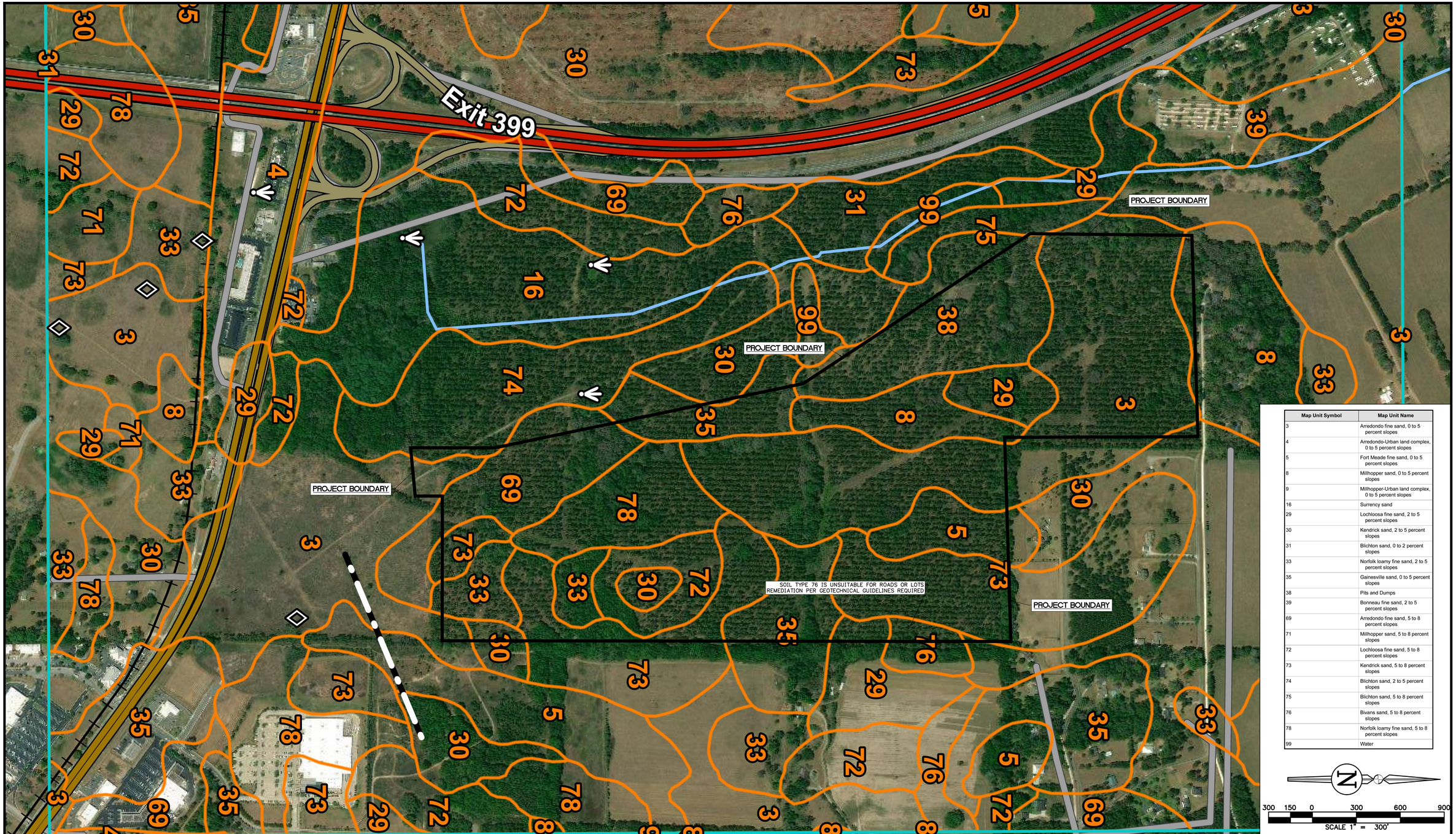
DATE: MAY 2024

PROJECT NO: 398-21-03

CLIENT: TARA FOREST ALACHUA, FLORIDA

PROJECT: TARA FOREST WEST

SHEET NO: C0.0



Map Unit Symbol	Map Unit Name
3	Arredondo fine sand, 0 to 5 percent slopes
4	Arredondo-Urban land complex, 0 to 5 percent slopes
5	Fort Meade fine sand, 0 to 5 percent slopes
8	Millhopper sand, 0 to 5 percent slopes
9	Millhopper-Urban land complex, 0 to 5 percent slopes
16	Surrency sand
29	Lochloosa fine sand, 2 to 5 percent slopes
30	Kendrick sand, 2 to 5 percent slopes
31	Blichton sand, 0 to 2 percent slopes
33	Norfolk loamy fine sand, 2 to 5 percent slopes
35	Gainesville sand, 0 to 5 percent slopes
38	Pits and Dumps
39	Bonneau fine sand, 2 to 5 percent slopes
69	Arredondo fine sand, 5 to 8 percent slopes
71	Millhopper sand, 5 to 8 percent slopes
72	Lochloosa fine sand, 5 to 8 percent slopes
73	Kendrick sand, 5 to 8 percent slopes
74	Blichton sand, 2 to 5 percent slopes
75	Blichton sand, 5 to 8 percent slopes
76	Bivans sand, 5 to 8 percent slopes
78	Norfolk loamy fine sand, 5 to 8 percent slopes
99	Water

N

300 150 0 300 600 900

SCALE 1" = 300'

REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842

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Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE: SOILS MAP

DATE: MAY 2024

PROJECT NO: 398-21-03

CLIENT: TARA FOREST
ALACHUA, FLORIDA

PROJECT: TARA FOREST
WEST

SHEET NO: C1.0

GENERAL NOTES:

1. TRAFFIC CALMING DEVICES SHALL COMPLY WITH SECTION 7.2.5(C) AND 7.2.5(D)(2). LOCATIONS OF TRAFFIC CALMING DEVICES WILL BE DETERMINED DURING EACH CONSTRUCTION PLAN SUBMITTAL.
2. PARKING REQUIREMENT:

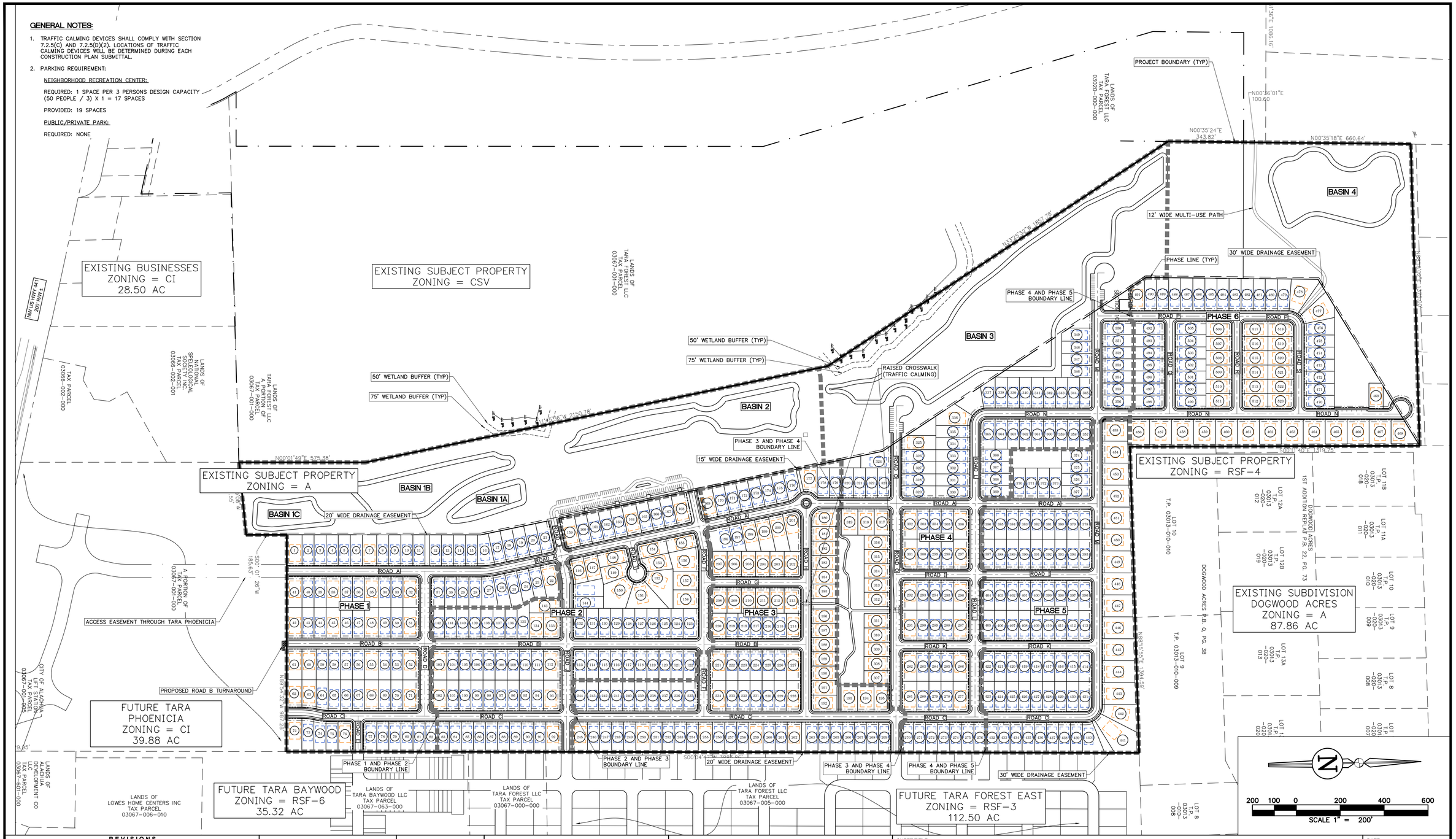
   NEIGHBORHOOD RECREATION CENTER:

   REQUIRED: 1 SPACE PER 3 PERSONS DESIGN CAPACITY (50 PEOPLE / 3) X 1 = 17 SPACES

   PROVIDED: 19 SPACES

   PUBLIC/PRIVATE PARK:

   REQUIRED: NONE



REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842

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SHEET TITLE: MASTER PHASING PLAN

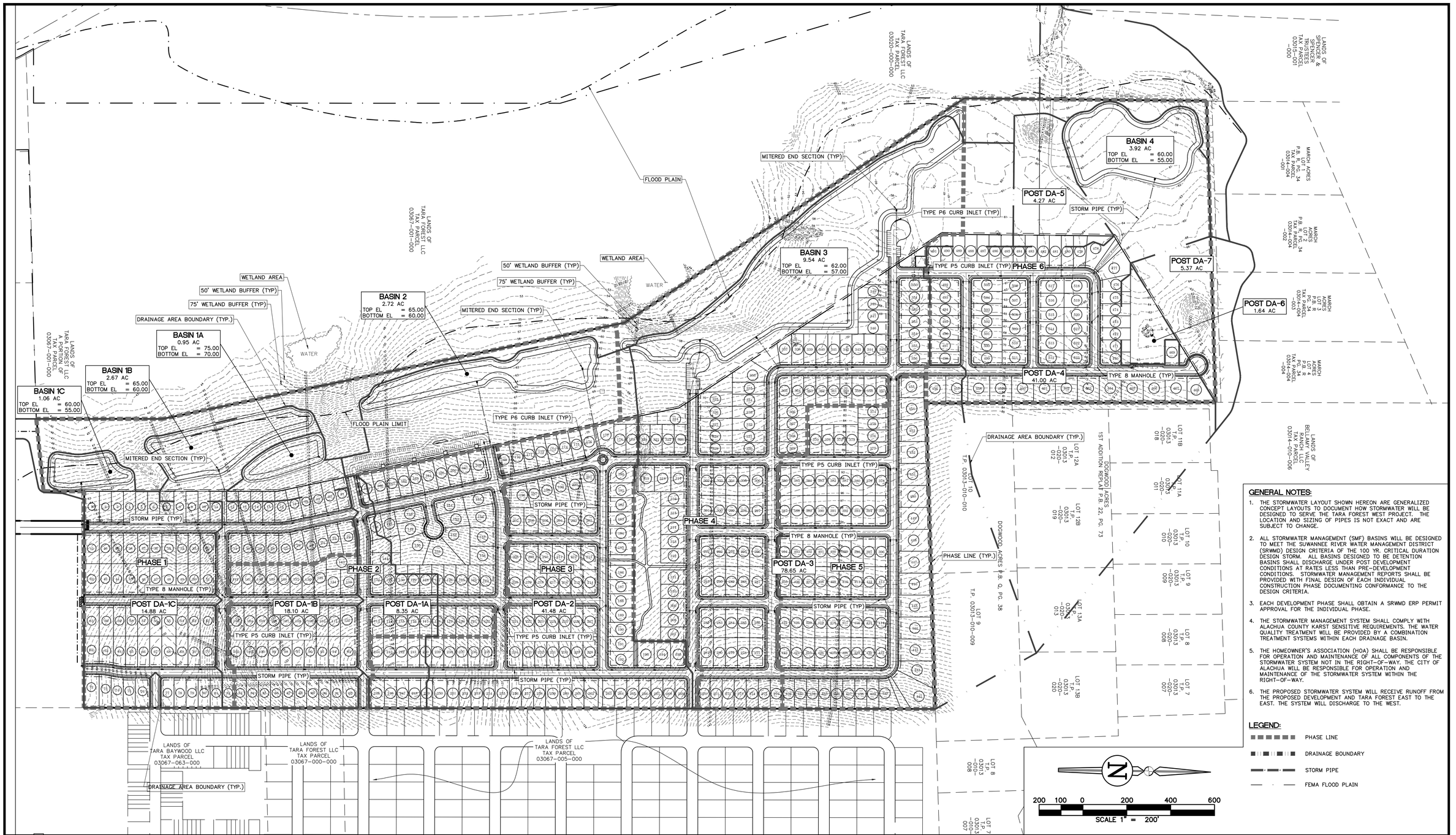
CLIENT: TARA FOREST ALACHUA, FLORIDA

PROJECT: TARA FOREST WEST

DATE: MAY 2024

PROJECT NO: 398-21-03

SHEET NO: C2.0



GENERAL NOTES:

1. THE STORMWATER LAYOUT SHOWN HEREON ARE GENERALIZED CONCEPT LAYOUTS TO DOCUMENT HOW STORMWATER WILL BE DESIGNED TO SERVE THE TARA FOREST WEST PROJECT. THE LOCATION AND SIZING OF PIPES IS NOT EXACT AND ARE SUBJECT TO CHANGE.
2. ALL STORMWATER MANAGEMENT (SMF) BASINS WILL BE DESIGNED TO MEET THE SUWANNEE RIVER WATER MANAGEMENT DISTRICT (SRWMD) DESIGN CRITERIA OF THE 100 YR. CRITICAL DURATION DESIGN STORM. ALL BASINS DESIGNED TO BE DETENTION BASINS SHALL DISCHARGE UNDER POST DEVELOPMENT CONDITIONS AT RATES LESS THAN PRE-DEVELOPMENT CONDITIONS. STORMWATER MANAGEMENT REPORTS SHALL BE PROVIDED WITH FINAL DESIGN OF EACH INDIVIDUAL CONSTRUCTION PHASE DOCUMENTING CONFORMANCE TO THE DESIGN CRITERIA.
3. EACH DEVELOPMENT PHASE SHALL OBTAIN A SRWMD ERP PERMIT APPROVAL FOR THE INDIVIDUAL PHASE.
4. THE STORMWATER MANAGEMENT SYSTEM SHALL COMPLY WITH ALACHUA COUNTY KARST SENSITIVE REQUIREMENTS. THE WATER QUALITY TREATMENT WILL BE PROVIDED BY A COMBINATION TREATMENT SYSTEMS WITHIN EACH DRAINAGE BASIN.
5. THE HOMEOWNER'S ASSOCIATION (HOA) SHALL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF ALL COMPONENTS OF THE STORMWATER SYSTEM NOT IN THE RIGHT-OF-WAY. THE CITY OF ALACHUA WILL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE STORMWATER SYSTEM WITHIN THE RIGHT-OF-WAY.
6. THE PROPOSED STORMWATER SYSTEM WILL RECEIVE RUNOFF FROM THE PROPOSED DEVELOPMENT AND TARA FOREST EAST TO THE EAST. THE SYSTEM WILL DISCHARGE TO THE WEST.

LEGEND:

- PHASE LINE
- DRAINAGE BOUNDARY
- STORM PIPE
- FEMA FLOOD PLAIN

REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: **CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842**

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Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE: **MASTER DRAINAGE PLAN**

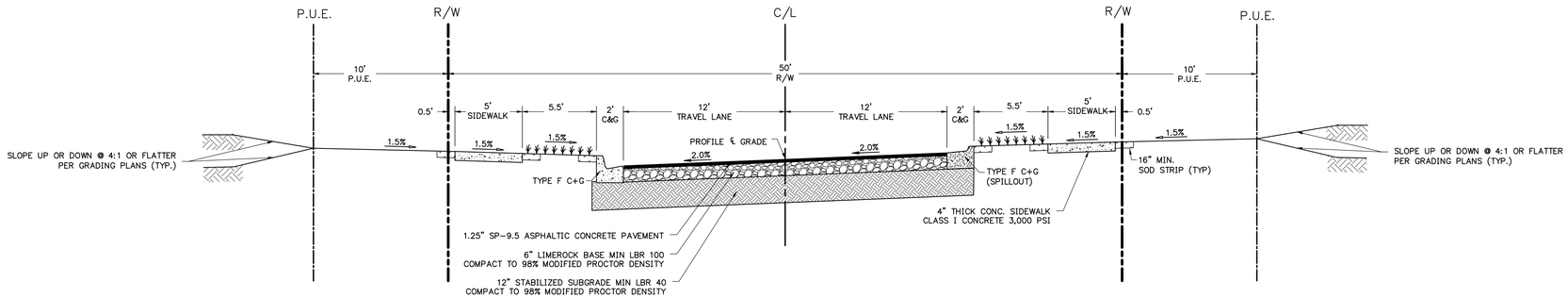
DATE: MAY 2024

PROJECT NO: 398-21-03

CLIENT: **TARA FOREST**
ALACHUA, FLORIDA

PROJECT: **TARA FOREST**
WEST

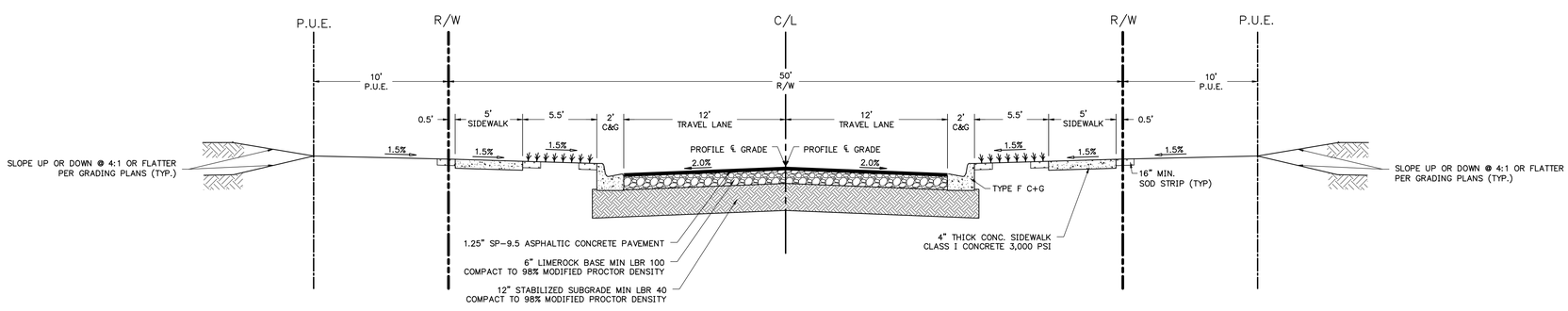
SHEET NO: **C3.0**



TYPICAL ROADWAY SECTION - 1

ROAD A ROAD I
ROAD B ROAD K
ROAD C ROAD N
ROAD G ROAD P

NOTE: THE PUE EASEMENT ALONG THE SIDE YARD OF LOTS IS 7.5' TO BE CONSISTENT WITH THE 7.5' SIDE BUILDING SETBACK.



TYPICAL ROADWAY SECTION - 2

ROAD E ROAD M
ROAD F ROAD Q
ROAD H ROAD R
ROAD J ROAD S
ROAD L ROAD T
ROAD O

NOTE: THE PUE EASEMENT ALONG THE SIDE YARD OF LOTS IS 7.5' TO BE CONSISTENT WITH THE 7.5' SIDE BUILDING SETBACK.

GENERAL NOTES:

1. ALL DISTURBED AREAS WITHIN THE R/W AND PUE SHALL BE SEEDED, FERTILIZED, AND MULCHED (UNLESS OTHERWISE NOTED).
2. PROVIDE 16" MIN SOD STRIP ADJACENT TO ALL NEW CONCRETE (S/W, CURB, ETC.)
3. DESIGN SPEED = 25 MPH
4. POSTED SPEED = 25 MPH

REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842

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SHEET TITLE: TYPICAL ROADWAY SECTIONS

DATE: MAY 2024

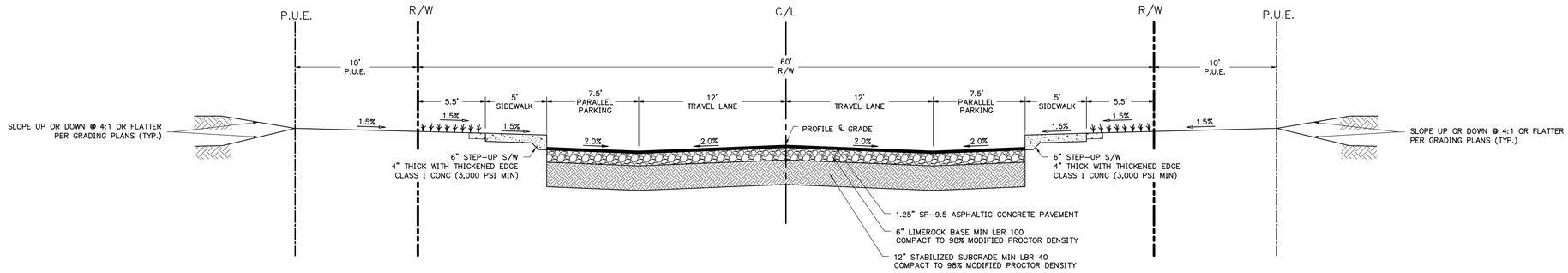
PROJECT NO: 398-21-03

CLIENT: TARA FOREST ALACHUA, FLORIDA

PROJECT: TARA FOREST WEST

SHEET NO: C4.0

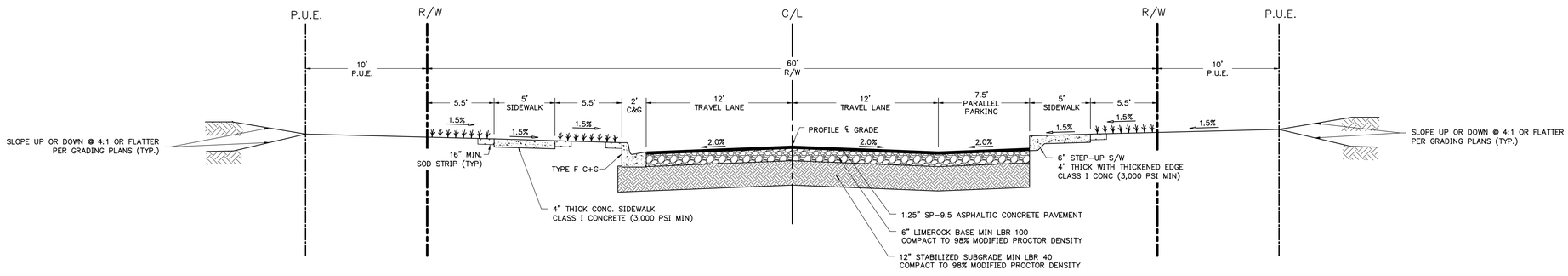
J:\398-21-03 - Tara Forest West\Production\Civil\Preliminary Plat\Sheets\C4.0 TYPICAL ROADWAY SECTIONS.dwg, 5/7/2024 12:05:33 PM, Timo



TYPICAL ROADWAY SECTION - 3

ROAD D
ROAD F
ROAD J
ROAD Q
ROAD L

NOTE: THE PUE EASEMENT ALONG THE SIDE YARD OF LOTS IS 7.5' TO BE CONSISTENT WITH THE 7.5' SIDE BUILDING SETBACK.



TYPICAL ROADWAY SECTION - 4

ROAD J
ROAD O

NOTE: THE PUE EASEMENT ALONG THE SIDE YARD OF LOTS IS 7.5' TO BE CONSISTENT WITH THE 7.5' SIDE BUILDING SETBACK.

GENERAL NOTES:

1. ALL DISTURBED AREAS WITHIN THE R/W AND PUE SHALL BE SEEDED, FERTILIZED, AND MULCHED (UNLESS OTHERWISE NOTED).
2. PROVIDE 16" MIN SOD STRIP ADJACENT TO ALL NEW CONCRETE (S/W, CURB, ETC.)
3. DESIGN SPEED = 25 MPH
4. POSTED SPEED = 25 MPH

REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842

PRELIMINARY NOT FOR CONSTRUCTION

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CIVIL ENGINEERING | LAND PLANNING
SURVEYING | CONSTRUCTION SERVICES

3530 NW 43rd Street | Gainesville, Florida 32606
4420 US-1 S, Suite 1 | St. Augustine, Florida 32086
Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE: TYPICAL ROADWAY SECTIONS

DATE: MAY 2024

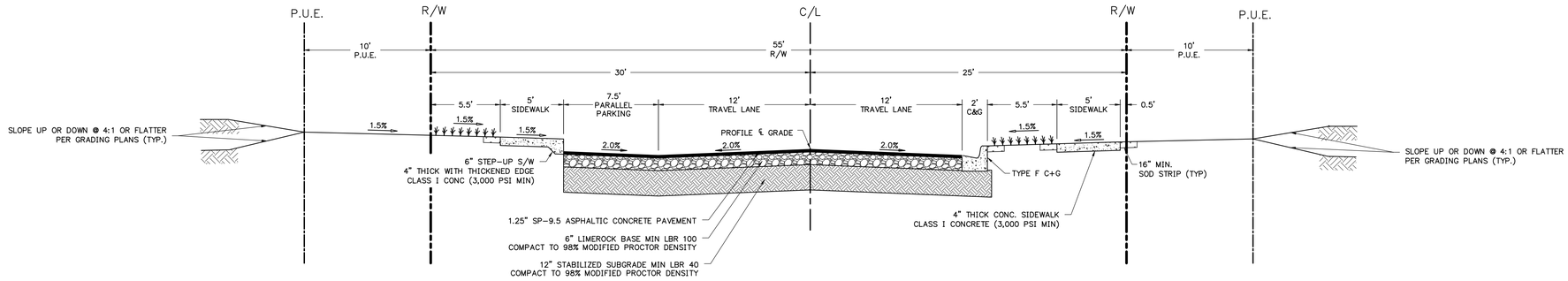
PROJECT NO: 398-21-03

CLIENT: TARA FOREST ALACHUA, FLORIDA

PROJECT: TARA FOREST WEST

SHEET NO: C4.1

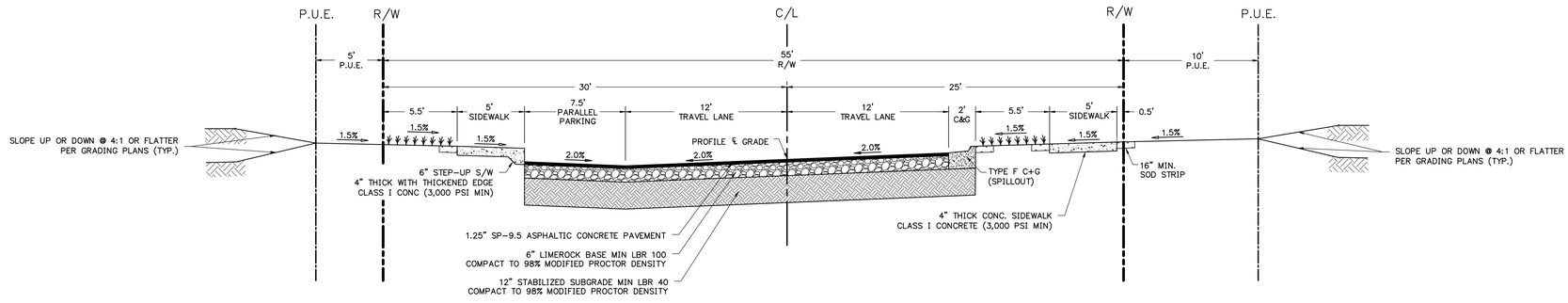
J:\398-21-03 - Tara Forest West\Production\Civil\Preliminary Plat\Sheets\C4.0 TYPICAL ROADWAY SECTIONS.dwg, 5/7/2024 12:05:47 PM, Timo



TYPICAL ROADWAY SECTION - 5

ROAD F

NOTE: THE PUE EASEMENT ALONG THE SIDE YARD OF LOTS IS 7.5' TO BE CONSISTENT WITH THE 7.5' SIDE BUILDING SETBACK.



TYPICAL ROADWAY SECTION - 6

ROAD N

NOTE: THE PUE EASEMENT ALONG THE SIDE YARD OF LOTS IS 7.5' TO BE CONSISTENT WITH THE 7.5' SIDE BUILDING SETBACK.

GENERAL NOTES:

1. ALL DISTURBED AREAS WITHIN THE R/W AND PUE SHALL BE SEEDED, FERTILIZED, AND MULCHED (UNLESS OTHERWISE NOTED).
2. PROVIDE 16" MIN SOD STRIP ADJACENT TO ALL NEW CONCRETE (S/W, CURB, ETC.)
3. DESIGN SPEED = 25 MPH
4. POSTED SPEED = 25 MPH

REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR.

ENGINEER OF RECORD: CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842

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Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE: TYPICAL ROADWAY SECTIONS

DATE: MAY 2024

PROJECT NO: 398-21-03

CLIENT: TARA FOREST ALACHUA, FLORIDA

PROJECT: TARA FOREST WEST

SHEET NO: C4.2

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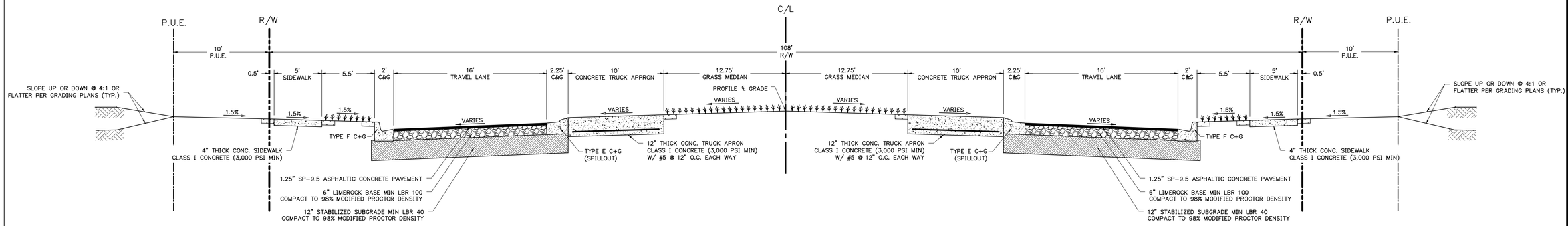
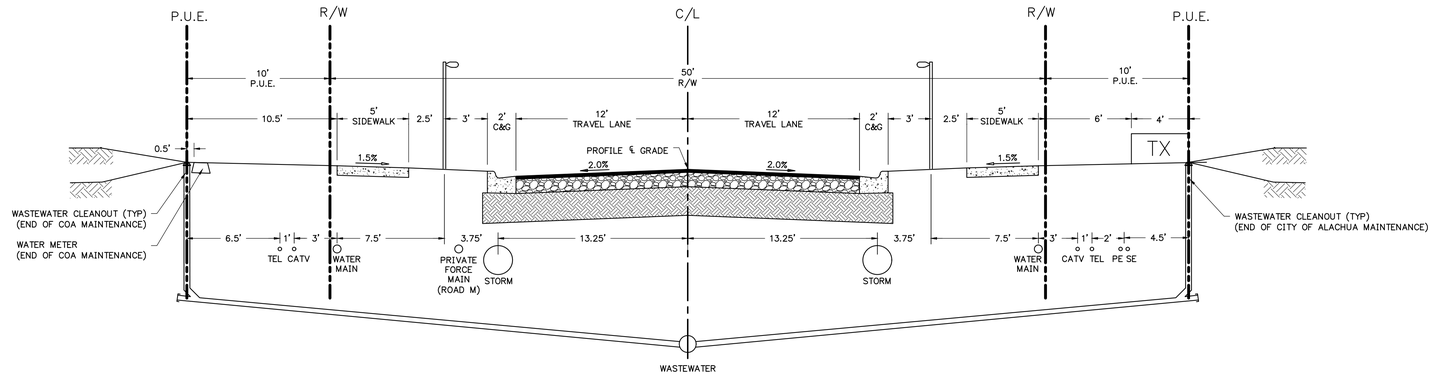


TYPICAL ROADWAY SECTION - 7

ROAD A & ROAD H ROUND-A-BOUT

NOTE: THE PUE EASEMENT ALONG THE SIDE YARD OF LOTS IS 7.5' TO BE CONSISTENT WITH THE 7.5' SIDE BUILDING SETBACK.



TYPICAL UTILITY ALLOCATION

N.T.S

GENERAL NOTES:

1. ALL DISTURBED AREAS WITHIN THE R/W AND PUE SHALL BE SEEDED, FERTILIZED, AND MULCHED (UNLESS OTHERWISE NOTED).
2. PROVIDE 16" MIN SOD STRIP ADJACENT TO ALL NEW CONCRETE (S/W, CURB, ETC.)
3. DESIGN SPEED = 25 MPH
4. POSTED SPEED = 25 MPH

NOTES:

1. FOR CLARITY, THE WASTEWATER CLEANOUT IS SHOWN AT THE PUE BOUNDARY. AS PER COA, INSTALL CLEANOUTS IN THE MIDDLE OF THE PUE.

REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842

PRELIMINARY NOT FOR CONSTRUCTION

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Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE: TYPICAL SECTIONS AND UTILITY ALLOCATIONS

DATE: MAY 2024

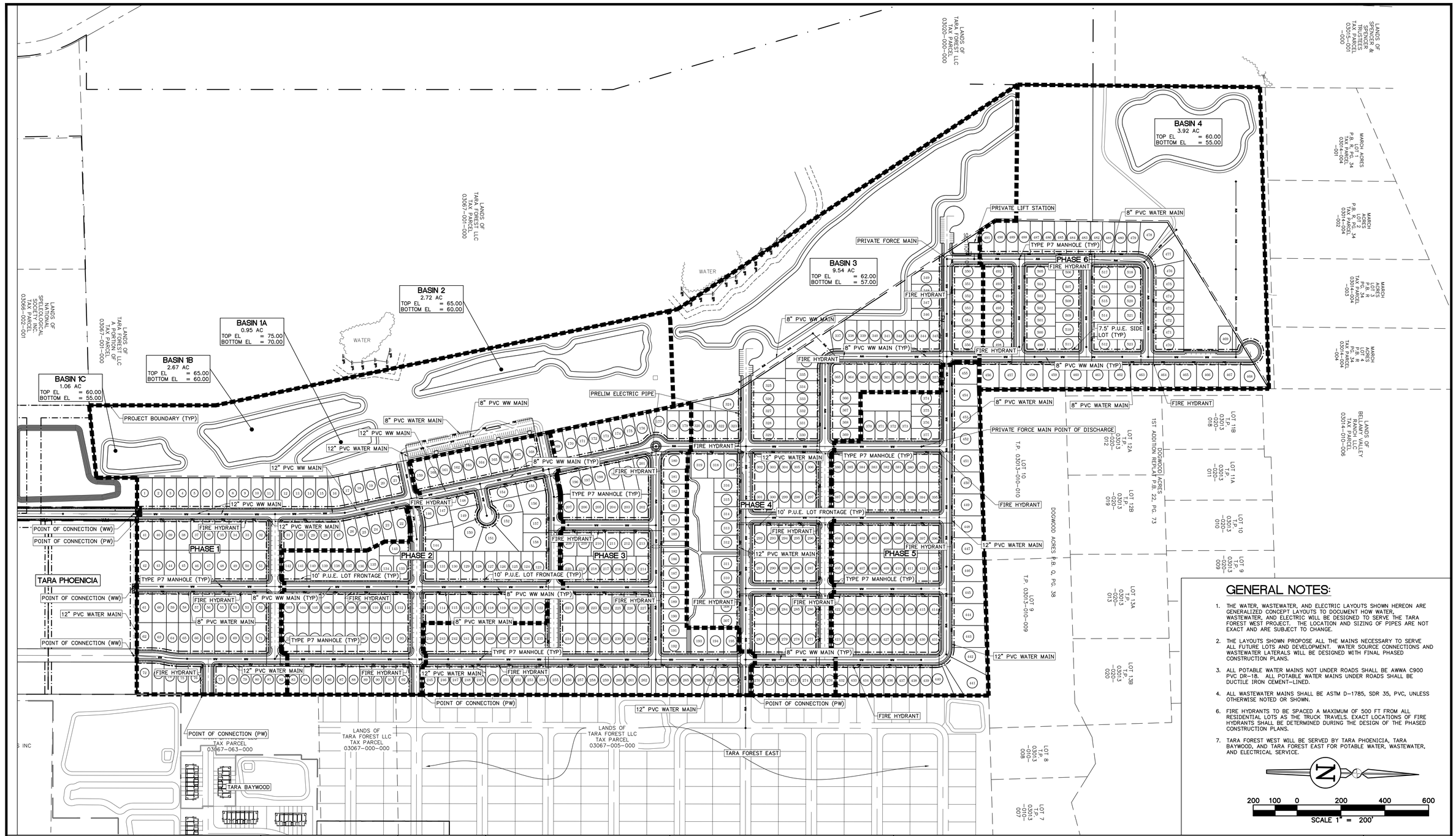
PROJECT NO: 398-21-03

CLIENT: TARA FOREST ALACHUA, FLORIDA

PROJECT: TARA FOREST WEST

SHEET NO: C4.3

J:\398-21-03 - Tara Forest West\Production\Civil\Preliminary Plat\Sheets\C4.3 TYPICAL ROADWAY SECTIONS.dwg, 5/7/2024 12:05:05 PM, Timo



GENERAL NOTES:

1. THE WATER, WASTEWATER, AND ELECTRIC LAYOUTS SHOWN HEREON ARE GENERALIZED CONCEPT LAYOUTS TO DOCUMENT HOW WATER, WASTEWATER, AND ELECTRIC WILL BE DESIGNED TO SERVE THE TARA FOREST WEST PROJECT. THE LOCATION AND SIZING OF PIPES ARE NOT EXACT AND ARE SUBJECT TO CHANGE.
2. THE LAYOUTS SHOWN PROPOSE ALL THE MAINS NECESSARY TO SERVE ALL FUTURE LOTS AND DEVELOPMENT. WATER SOURCE CONNECTIONS AND WASTEWATER LATERALS WILL BE DESIGNED WITH FINAL PHASED CONSTRUCTION PLANS.
3. ALL POTABLE WATER MAINS NOT UNDER ROADS SHALL BE AWWA C900 PVC DR-18. ALL POTABLE WATER MAINS UNDER ROADS SHALL BE DUCTILE IRON CEMENT-LINED.
4. ALL WASTEWATER MAINS SHALL BE ASTM D-1785, SDR 35, PVC, UNLESS OTHERWISE NOTED OR SHOWN.
6. FIRE HYDRANTS TO BE SPACED A MAXIMUM OF 500 FT FROM ALL RESIDENTIAL LOTS AS THE TRUCK TRAVELS. EXACT LOCATIONS OF FIRE HYDRANTS SHALL BE DETERMINED DURING THE DESIGN OF THE PHASED CONSTRUCTION PLANS.
7. TARA FOREST WEST WILL BE SERVED BY TARA PHOENICIA, TARA BAYWOOD, AND TARA FOREST EAST FOR POTABLE WATER, WASTEWATER, AND ELECTRICAL SERVICE.

200 100 0 200 400 600
SCALE 1" = 200'

REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842

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SHEET TITLE: MASTER UTILITY PLAN

DATE: MAY 2024

PROJECT NO: 398-21-03

CLIENT: TARA FOREST ALACHUA, FLORIDA

PROJECT: TARA FOREST WEST

SHEET NO: C5.0

TARA FOREST WEST

SITUATED IN

SECTIONS 03, 04, AND 10, TOWNSHIP 08 SOUTH, RANGE 18 EAST,
CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA

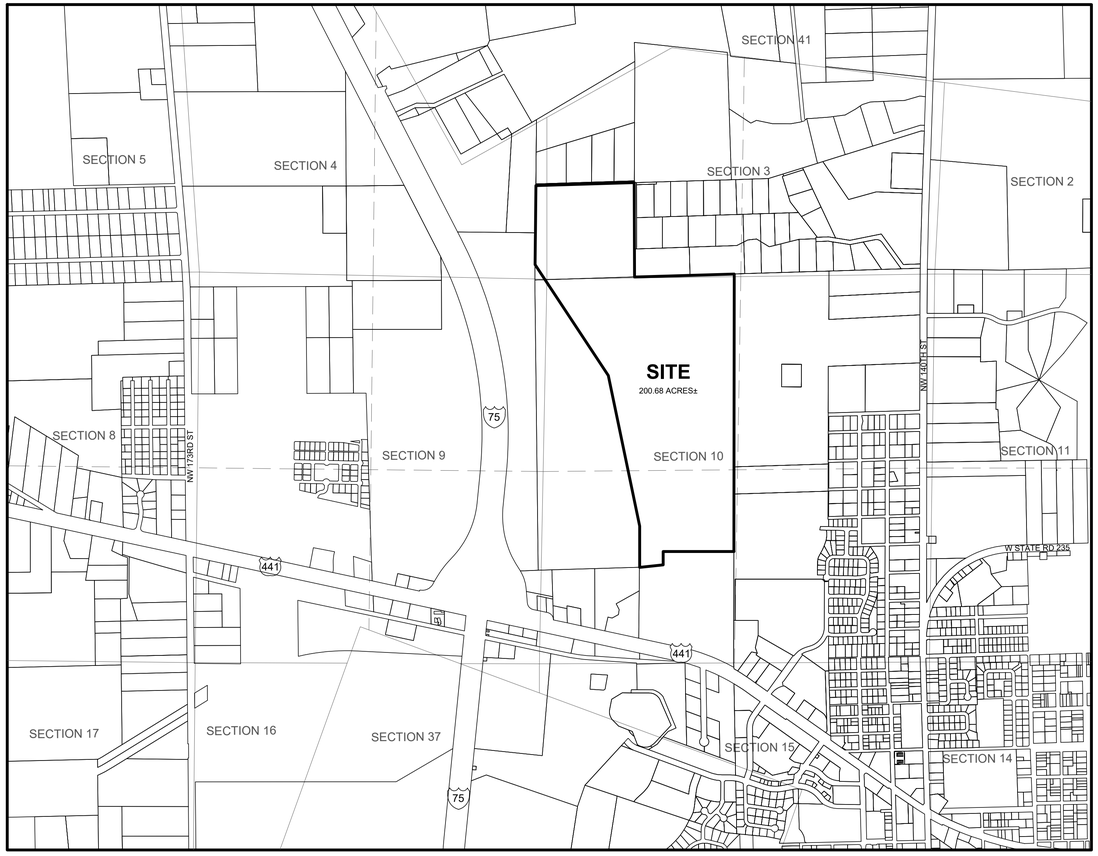
NOT FOR FINAL RECORDING

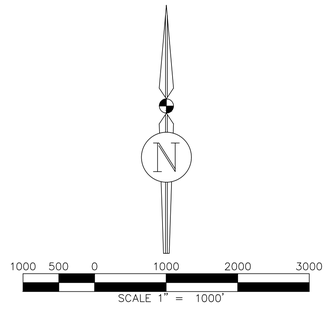
NOTICE:

THIS PLAT, AS RECORDED IN ITS GRAPHIC FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

Plat Book ____ , Page ____
Sheet One of Ten

VICINITY MAP





BUILDING SETBACK REQUIREMENTS

MINIMUM REQUIREMENT UNLESS OTHERWISE ILLUSTRATED
PRIMARY BUILDING:
FRONT = 20 FEET
SIDE = 5 FEET
REAR = 15 FEET

NOTES

1. BEARINGS ARE BASED ON AN ASSUMED BEARING OF S00°04'47"W FOR THE EAST LINE OF THE WEST 1/2 OF SECTION 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA.
2. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND BASED ON THE U.S. NATIONAL GEODETIC SURVEY CONTINUOUSLY OPERATING REFERENCE STATION "GNVL" (DE6005), WITH A PUBLISHED ELEVATION OF 170.03 FEET.
3. STATE PLANE COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM ON 1983, 2011 ADJUSTMENT AND BASED ON THE U.S. NATIONAL GEODETIC SURVEY CONTINUOUSLY OPERATING REFERENCE STATION "GNVL" (DE6005), WITH A PUBLISHED POSITION IN U.S. SURVEY FEET OF:
   NORTHING = 256,559.510
   EASTING = 2,674,388.152
4. THE ERROR OF CLOSURE OF THIS PLAT DOES NOT EXCEED 1:5,000
5. ALL PERMANENT REFERENCE MONUMENTS, PERMANENT CONTROL POINTS AND LOT CORNERS WILL BE PER FLORIDA STATUTE 177 PART 1 PLATTING.
4. THIS PLAT IS BASED ON A BOUNDARY SURVEY BY THIS FIRM COMPLETED ON JANUARY 20, 2022.
7. THE MAJORITY OF THE PROPERTY (190.73 ACRES OR 95%) IS WITHIN AN AREA OF MINIMAL FLOOD HAZARD "ZONE X." PORTIONS ON THE WEST SIDE OF THE PROPERTY (9.95 ACRES OR 5%) LIE WITHIN FLOOD HAZARD "ZONE A." AREAS ARE APPROXIMATE BASED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY UNPRINTED FLOOD INSURANCE RATE MAP PANEL 12001C0120D. ALL LOTS LOTS LIE WITHIN MINIMAL FLOOD HAZARD "ZONE X."
8. ALL PLATTED UTILITY EASEMENTS SHALL PROVIDE THAT SUCH EASEMENTS SHALL ALSO BE EASEMENTS FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES; PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH THE FACILITIES AND SERVICES OF AN ELECTRIC, TELEPHONE, GAS, OR OTHER PUBLIC UTILITY. IN THE EVENT A CABLE TELEVISION COMPANY DAMAGES THE FACILITIES OF A PUBLIC UTILITY, IT SHALL BE SOLELY RESPONSIBLE FOR THE DAMAGES. THIS SECTION SHALL NOT APPLY TO THOSE PRIVATE EASEMENTS GRANTED TO OR OBTAINED BY A PARTICULAR ELECTRIC, TELEPHONE, GAS, OR OTHER PUBLIC UTILITY. SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL SAFETY CODE AS ADOPTED BY THE FLORIDA PUBLIC SERVICE COMMISSION.
9. REPRODUCED COPIES THAT ARE NOT AT 24"X36" MAY NOT BE TO SCALE.
10. THIS PLAT IS COMPRISED OF 10 SHEETS, AND IS MEANT TO BE USED AS A SET. NO ONE SHEET IS VALID BY ITSELF. SHEET 2 IS AN OVERVIEW OF THE ENTIRE PROPERTY. SHEETS 3 THRU 10 ARE LOT DETAIL SHEETS.

LEGAL DESCRIPTION BY THIS FIRM

A PARCEL OF LAND SITUATED IN SECTIONS 3, 4 AND 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF THE WEST 1/2 OF SAID SECTION 10; THENCE RUN NORTH 00°04'47" EAST, ALONG THE EAST LINE OF SAID WEST 1/2, A DISTANCE OF 1529.95 FEET TO THE POINT OF BEGINNING. THENCE RUN NORTH 89°54'32" WEST, A DISTANCE OF 987.28 FEET; THENCE RUN SOUTH 00°01'26" WEST, A DISTANCE OF 185.63 FEET; THENCE RUN SOUTH 84°29'08" WEST, A DISTANCE OF 331.55 FEET TO THE SOUTHEAST CORNER OF A CONSERVATION EASEMENT PER CITY OF ALACHUA ORDINANCE 10 23, PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA; THENCE RUN NORTH 00°01'49" EAST, ALONG THE EAST LINE OF SAID EASEMENT, A DISTANCE OF 575.38 FEET; THENCE RUN NORTH 11°45'36" WEST, A DISTANCE OF 2150.78 FEET; THENCE RUN NORTH 33°25'32" WEST, A DISTANCE OF 1857.78 FEET TO THE WEST LINE OF SECTION 3, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA; THENCE RUN NORTH 00°35'24" EAST ALONG SAID WEST LINE OF SECTION 3, A DISTANCE OF 343.82 FEET TO THE NORTHEAST CORNER OF SAID CONSERVATION EASEMENT; THENCE CONTINUE ALONG THE WEST LINE OF SAID SECTION THREE NORTH 00°36'01" EAST, A DISTANCE OF 100.60 FEET TO THE SOUTHEAST CORNER OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 5141, PAGE 2294, OF THE OFFICIAL RECORDS OF ALACHUA COUNTY, FLORIDA; THENCE CONTINUE NORTH 00°35'18" EAST ALONG SAID WEST LINE OF SECTION 3, A DISTANCE OF 660.64 FEET; THENCE RUN NORTH 88°18'02" EAST, A DISTANCE OF 1375.00 FEET; THENCE RUN SOUTH 00°11'40" EAST, A DISTANCE OF 1319.75 FEET TO THE SOUTH LINE OF THE AFOREMENTIONED SECTION 3, ALSO BEING THE NORTH LINE OF SECTION 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA; THENCE RUN NORTH 88°15'55" EAST ALONG SAID SOUTH LINE OF SECTION 3, A DISTANCE OF 1394.59 FEET TO THE EAST LINE OF THE WEST 1/2 OF SECTION 10; THENCE RUN SOUTH 00°04'47" WEST ALONG SAID EAST LINE, A DISTANCE OF 3883.86 FEET TO THE POINT OF BEGINNING.

CONTAINING 198.39 ACRES, MORE OR LESS.

SUBDIVIDER

TARA FOREST, LLC
7717 NW 20TH LANE
GAINESVILLE, FL 32605

JBPro
CIVIL ENGINEERING | LAND PLANNING
SURVEYING | CONSTRUCTION SERVICES
3530 NW 43rd Street | Gainesville, Florida 32606
4729 US-1 S, Suite 1 | St. Augustine, Florida 32086
Gainesville (352) 375-8999 | St. Augustine (904) 799-0999
Toll Free (877) JBPro Fl | Email: contact@jbpro.com

Owner's Certification and Dedication:

KNOW ALL MEN BY THESE PRESENTS, THAT TARA FOREST, LLC ("OWNER"), BEING THE OWNER IN FEE SIMPLE OF THE LANDS DESCRIBED IN THE ATTACHED PLAT ENTITLED "TARA FOREST WEST" (THE "PLAT"), AS OWNER, HEREBY DEDICATES SAID LANDS AND PLAT FOR THE USES AND PURPOSES THEREIN EXPRESSED; HEREBY DEDICATES ALL STREET, ROADS, DRIVES, RIGHTS-OF-WAYS, AVENUES, BOULEVARDS, WAYS, LANES, DRAINAGE EASEMENTS, AND UTILITY EASEMENTS, SHOWN OR DESCRIBED ON THE ATTACHED PLAT (UNLESS ANY OF THE FOREGOING ARE SHOWN ON THE ATTACHED PLAT AS BEING DEDICATED OTHERWISE), TO THE PERPETUAL USE OF THE PUBLIC, FOR PROPER PURPOSES. THE HOMEOWNER'S ASSOCIATION (HOA) SHALL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF ALL COMPONENTS OF THE STORMWATER SYSTEM NOT IN THE RIGHT-OF-WAY. THE CITY OF ALACHUA WILL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE STORMWATER SYSTEM WITHIN THE RIGHT-OF-WAY. COMMON AREAS 2-18 ARE HEREBY DEDICATED TO THE MASTER HOA, THE SUB HOA, THE CDD, THE CITY OF ALACHUA, OR UTILITY PROVIDERS FOR PROPER PURPOSES. COMMON AREA 1 IS HEREBY DEDICATED TO TARA FOREST, LLC FOR PROPER PURPOSES.

TARA FOREST, LLC

_____ BY: _____
WITNESS
PRINT NAME _____

_____
WITNESS
PRINT NAME _____

SAYED MOUKHTARA
AUTHORIZED MEMBER
(352) 278-5317
sayed@moukhtara.com

Acknowledgment:

I HEREBY CERTIFY THAT ON THIS DAY PERSONALLY APPEARED BEFORE ME SAYED MOUKHTARA, ON BEHALF OF THE COMPANY IN ITS CAPACITY AS THE MANAGER OF TARA FOREST, LLC. SAID PERSON WAS DULY SWORN, FURNISHED FLORIDA DRIVER'S LICENSE AS IDENTIFICATION, EXECUTED THE ABOVE INSTRUMENT, AND ACKNOWLEDGED BEFORE ME THAT HE EXECUTED SAID INSTRUMENT FOR THE USE AND PURPOSE HEREIN EXPRESSED, AND DID TAKE AN OATH.

WITNESS MY HAND AND OFFICIAL SEAL THIS ____ DAY OF _____, 20__.

_____ NOTARY PUBLIC
MY COMMISSION EXPIRES: _____

Certificate of Surveyor:

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT REPRESENTATION OF TARA FOREST WEST AND THAT SAID PLAT HAS BEEN CREATED UNDER MY RESPONSIBLE DIRECTION AND SUPERVISION, BASED ON A BOUNDARY SURVEY BY THIS FIRM COMPLETED ON 1/20/2022 AND THAT THE PLAT COMPLIES WITH ALL THE REQUIREMENTS OF CHAPTER 177 OF THE FLORIDA STATUTES.

DATE: _____

TROY V. WRIGHT, P.S.M.
PROFESSIONAL SURVEYOR & MAPPER
FLORIDA CERTIFICATE NO. 7210
(352) 375-8999 EXT 1301
troy.wright@jbpro.com

JBROWN PROFESSIONAL GROUP, INC.
3530 N.W. 43rd STREET
GAINESVILLE, FLORIDA, 32606
CERTIFICATE OF AUTHORIZATION NO. 8031

Certificate of Subdivider's Engineer:

THIS IS TO CERTIFY, THAT ON _____, LOGAN B. PETERS, PROFESSIONAL ENGINEER, AS SPECIFIED WITHIN CHAPTER 471, FLORIDA STATUTES, LICENCE NO. 88516, DOES HEREBY CERTIFY THAT AN APPROPRIATE SURETY DOCUMENT HAS BEEN SUBMITTED TO THE CITY AS SURETY FOR THE APPROPRIATE CONSTRUCTION OF THE REQUIRED IMPROVEMENTS AND IF APPLICABLE, HAS SUBMITTED OR WILL SUBMIT "AS BUILT" DOCUMENTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF THE CITY OF ALACHUA, FLORIDA.

_____ DATE: _____

LOGAN B. PETERS, P.E.
PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 88516
(352) 375-8999 EXT 1203
logan.peters@jbpro.com

JBROWN PROFESSIONAL GROUP, INC.
3530 N.W. 43rd STREET
GAINESVILLE, FLORIDA, 32606
CERTIFICATE OF AUTHORIZATION NO. 8031

CERTIFICATE OF APPROVAL BY PROFESSIONAL SURVEYOR AND MAPPER

EXAMINED ON: _____
AND
APPROVED BY: _____
PROFESSIONAL SURVEYOR AND MAPPER

CERTIFICATE OF APPROVAL BY THE COUNTY HEALTH DEPARTMENT

EXAMINED ON: _____
AND
APPROVED BY: _____
COUNTY HEALTH DEPARTMENT

CERTIFICATE OF APPROVAL BY THE ATTORNEY FOR THE CITY.

EXAMINED ON: _____
AND
APPROVED BY: _____
CITY ATTORNEY

CERTIFICATE OF APPROVAL BY THE CITY COMMISSION

THIS IS TO CERTIFY, THAT ON_____, THE FOREGOING PLAT WAS APPROVED BY THE CITY COMMISSION.

MAYOR _____
ATTEST:
_____
CITY MANAGER

FILED FOR RECORD ON: _____

RECEIVED AND FILED

RECEIVED AND FILED FOR RECORD ON THIS DAY OF_____

_____
DEPUTY CLERK DATE

TARA FOREST WEST

SITUATED IN

SECTIONS 03, 04, AND 10, TOWNSHIP 08 SOUTH, RANGE 18 EAST, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA

Plat Book ___ , Page ___
Sheet Two of Ten

NOTICE:
THIS PLAT, AS RECORDED IN ITS GRAPHIC FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

BUILDING SETBACK REQUIREMENTS
MINIMUM REQUIREMENT UNLESS OTHERWISE ILLUSTRATED
PRIMARY BUILDING:
FRONT = 20 FEET
SIDE = 5 FEET
REAR = 15 FEET

SYMBOL LEGEND
- BOUNDARY LINE (PLAT)
- BOUNDARY LINE (LOT)
- RIGHT-OF-WAY LINE
- SECTION LINE
- RIGHT-OF-WAY CENTER LINE
- EASEMENT LINE
- 4"X4" CONCRETE MONUMENT (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- NAIL AND DISK (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- 5/8" IRON ROD & CAP (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- BENCHMARK
- (321) LOT NUMBER

ABBREVIATIONS
ESMT = EASEMENT
ID = IDENTIFICATION
INC = INCORPORATED
LB = LICENSED BUSINESS
LLC = LIMITED LIABILITY COMPANY
JBPRO = JBROWN PROFESSIONAL GROUP
P.B. = PLAT BOOK
PG. = PAGE
P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT
PLS = PROFESSIONAL LAND SURVEYOR
PRM = PERMANENT REFERENCE MONUMENT
P.U.E. = PUBLIC UTILITY EASEMENT
RLS = REGISTERED LAND SURVEYOR
R/W = RIGHT-OF-WAY

APRIL BLVD (66' R/W)
INTERSTATE HIGHWAY NO. 75 (STATE ROAD NO. 93)
EAST R/W OF APRIL BLVD
N27° 17' 04"W 108.03
FDOT REF LB4641
CHW INC. LB5075
CHW INC. LB5075
SECTION 9
SECTION 4
SECTION 10
SECTION 3
S89°35'57"E 1098.19'
UNPLATTED LANDS OF MRV2 PARK INVESTORS LLC TAX PARCEL 03015-004-000 36.19 ACRES±
NW CORNER OF CONSERVATION ESMT PER CITY OF ALACHUA ORDINANCE 09 14
PERRY MCGRIFF RLS 509
LANDS OF TARA FOREST LLC TAX PARCEL 03020-000-000 152.04 ACRES±
UNPLATTED LANDS OF SPENCER & SPENCER TRUSTEES TAX PARCEL 03015-001-000 13.07 ACRES±
NE CORNER OF CONSERVATION ESMT PER CITY OF ALACHUA ORDINANCE 09 14
4X4 NO ID
JBPRO PRM LB8031
N00°35'24"E 343.82'
NO ID
N00°35'18"E 660.64'
CHW INC LB5075
RLS 509 PERRY MCGRIFF
CHW INC LB6075 N00°36'01"E 100.60
JBPRO PRM LB8031
WEST LINE OF SECTION 3
WEST LINE OF CONSERVATION ESMT PER CITY OF ALACHUA ORDINANCE 09 14
UNPLATTED LANDS OF TARA FOREST LLC A PORTION OF TAX PARCEL 03067-001-000 152.04 ACRES±
SECTION 9
SECTION 10
CONSERVATION EASEMENT PER CITY OF ALACHUA ORDINANCE 09 14 115.00 ACRES±
FEMA FLOOD PLAIN LIMIT
EAST LINE OF CONSERVATION ESMT PER CITY OF ALACHUA ORDINANCE 09 14
N33°29'32"W 1857.78'
COMMON AREA 1 DRAINAGE EASEMENT & OPEN SPACE 14.86 AC±
MARCH ACRES LOT 1 P.B. R, PG. 34 TAX PARCEL 03014-004-001 5.00 ACRES±
PRM 3785
N88°18'02"E 1375.00'
MARCH ACRES LOT 2 P.B. R, PG. 34 TAX PARCEL 03014-004-002 5.00 ACRES±
PRM 3786
NO ID
MARCH ACRES LOT 3 P.B. R, PG. 34 TAX PARCEL 03014-004-003 5.00 ACRES±
MARCH ACRES LOT 4 P.B. R, PG. 34 TAX PARCEL 03014-004-004 5.00 ACRES±
COMMON AREA 2 DRAINAGE EASEMENT & OPEN SPACE 49.08 AC±
ROAD P
ROAD Q
ROAD R
ROAD S
ROAD N
ROAD A
ROAD I
ROAD K
ROAD M
ROAD O
ROAD L
ROAD H
ROAD G
ROAD T
ROAD B
ROAD D
ROAD J
ROAD F
ROAD C
ROAD E
SOUTH LINE OF CONSERVATION ESMT PER CITY OF ALACHUA ORDINANCE 09 14
LANDS OF NATIONAL SPELEOLOGICAL SOCIETY INC. TAX PARCEL 03066-002-001
N11°45'36"W 2150.78'
JBPRO PRM LB8031
SE CORNER OF CONSERVATION ESMT PER CITY OF ALACHUA ORDINANCE 09 14
EAST LINE OF CONSERVATION ESMT PER CITY OF ALACHUA ORDINANCE 09 14
4x4 NO ID
N00°01'49"E 575.38'
JBPRO PRM LB8031
S84°22'28"W 331.55'
SMF
JBPRO PRM LB8031
JBPRO PRM LB8031
S00° 01' 26"W 185.63'
UNPLATTED LANDS A PORTION OF TAX PARCEL 03067-001-000 39.98 ACRES±
N89°54'32"W 985.28'
FEMA FLOOD PLAIN LIMIT
CITY OF ALACHUA LIFT STATION TAX PARCEL 03067-001-005
C&E INC LB5075
JBPRO PRM LB8031
N00°04'47"E 1529.95'
P.O.B.
P.O.C.-SE CORNER OF THE WEST 1/2 OF SECTION 10
SECTION 15
SECTION 10
PRM LB5075
JBPRO PRM LB8031
EAST LINE OF THE WEST 1/2 OF SECTION 10
UNPLATTED LANDS OF TARA BAYWOOD LLC TAX PARCEL 03067-063-000 35.32 ACRES±
BENCHMARK 4X4 FOUND CONCRETE MONUMENT (LS 3784 PRM) NORTHING: 298698.44' EASTING: 2601981.30' ELEVATION: 121.25'
UNPLATTED LANDS OF TARA FOREST LLC TAX PARCEL 03067-000-000 11.57 ACRES±
PRM 3456
S00°04'47"W 3883.86'
UNPLATTED LANDS OF TARA FOREST LLC TAX PARCEL 03067-005-000 100.00 ACRES±
EAST LINE OF THE WEST 1/2 OF SECTION 10
JBPRO PRM LB8031
N89°55'13"W 16.16'
PERRY PLS 509 N: 301712.87 E: 2600591.61
PRM 3784
PRM LS 3784
S00°11'40"E 1319.7'
RLS 509 PERRY MCGRIFF NORTHING: 303032.62' ELEVATION: 67.50' ELEVATION: 67.50'
BENCHMARK CONCRETE MONUMENT
DOGWOOD ACRES P.B. Q, PG. 38 LOT 10 TAX PARCEL 03013-010-010 6.94 ACRES±
DOGWOOD ACRES – LOT 12A BEING A REPLAT OF LOT 12A OF DOGWOOD ACRES – 1ST ADDITION REPLAT AS RECORDED IN PLAT BOOK 22, PAGE 73 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, TOGETHER WITH A 30 FOOT STRIP ADJACENT TO THE WEST LINE OF LOT 12A REPLAT OF LOT 12A TAX PARCEL 03013-020-012 3.93 ACRES±
UNPLATTED LANDS OF MRV2 PARK INVESTORS LLC TAX PARCEL 03015-004-000 0.51 ACRES±
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 11B TAX PARCEL 03013-020-018
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 11A TAX PARCEL 03013-020-011
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 12B TAX PARCEL 03013-020-019
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 10 TAX PARCEL 03013-020-010
UNPLATTED LANDS OF BELLAMY VALLEY RANCH LLC TAX PARCEL 03014-010-006 56.69 ACRES±
NORTH LINE OF SOUTH LINE OF SECTION 10 / SECTION 3
NO ID
N89°15'55"E 1934.59'
DOGWOOD ACRES P.B. Q, PG. 38 LOT 9 TAX PARCEL 03013-010-009 6.94 ACRES±
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 13A TAX PARCEL 03013-020-013
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 13B TAX PARCEL 03013-020-020
DOGWOOD ACRES P.B. Q, PG. 38 LOT 8 TAX PARCEL 03013-010-008
200 100 0 200 400 600
SCALE 1" = 200'

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Gainesville (352) 376-6999 | St. Augustine (904) 706-0999
Toll Free (800) 226-1238 | Email: contact@jbpro.com

TARA FOREST WEST

SITUATED IN

SECTIONS 03, 04, AND 10, TOWNSHIP 08 SOUTH, RANGE 18 EAST,
CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA

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Plat Book ___ , Page ___
Sheet Three of Ten

ABBREVIATIONS

FFE = FINISHED FLOOR ELEVATION
ID = IDENTIFICATION
INC = INCORPORATED
JBPRO = JBROWN PROFESSIONAL GROUP
LB = LICENSED BUSINESS
LLC = LIMITED LIABILITY CORPORATION
MIN = MINIMUM
P.B. = PLAT BOOK
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P.U.E. = PUBLIC UTILITIES EASEMENT
PCP = PERMANENT CONTROL POINT
PRM = PERMANENT REFERENCE MONUMENT
PSM = PROFESSIONAL SURVEYOR AND MAPPER
R/W = RIGHT-OF-WAY
SQFT = SQUARE FEET

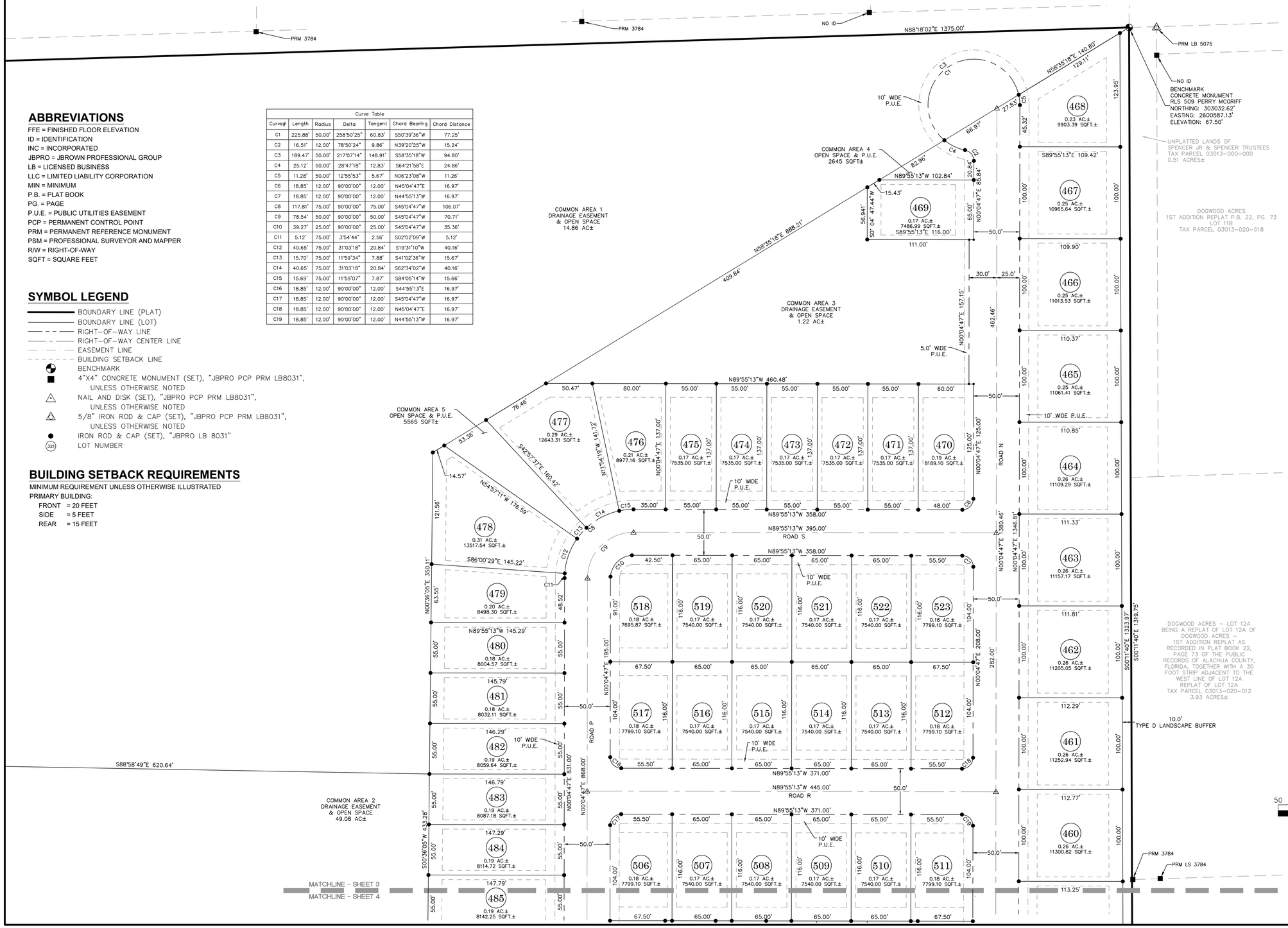
SYMBOL LEGEND

- BOUNDARY LINE (PLAT)
- BOUNDARY LINE (LOT)
- RIGHT-OF-WAY LINE
- RIGHT-OF-WAY CENTER LINE
- EASEMENT LINE
- BUILDING SETBACK LINE
- BENCHMARK
- 4"X4" CONCRETE MONUMENT (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- NAIL AND DISK (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- 5/8" IRON ROD & CAP (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- IRON ROD & CAP (SET), "JBPRO LB 8031"
- (321) LOT NUMBER

BUILDING SETBACK REQUIREMENTS

MINIMUM REQUIREMENT UNLESS OTHERWISE ILLUSTRATED
PRIMARY BUILDING:
FRONT = 20 FEET
SIDE = 5 FEET
REAR = 15 FEET

Curve Table						
Curve#	Length	Radius	Delta	Tangent	Chord Bearing	Chord Distance
C1	225.88'	50.00'	258°50'25"	60.83'	S50°39'36"W	77.25'
C2	16.51'	12.00'	78°50'24"	9.86'	N39°20'25"W	15.24'
C3	189.47'	50.00'	217°07'14"	148.91'	S58°35'18"W	94.80'
C4	25.12'	50.00'	28°47'18"	12.83'	S64°21'58"E	24.86'
C5	11.28'	50.00'	12°55'53"	5.67'	N06°23'08"W	11.26'
C6	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C7	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C8	117.81'	75.00'	90°00'00"	75.00'	S45°04'47"W	106.07'
C9	78.54'	50.00'	90°00'00"	50.00'	S45°04'47"W	70.71'
C10	39.27'	25.00'	90°00'00"	25.00'	S45°04'47"W	35.36'
C11	5.12'	75.00'	3°54'44"	2.56'	S02°02'09"W	5.12'
C12	40.65'	75.00'	31°03'18"	20.84'	S19°31'10"W	40.16'
C13	15.70'	75.00'	11°59'34"	7.88'	S41°02'36"W	15.67'
C14	40.65'	75.00'	31°03'18"	20.84'	S62°34'02"W	40.16'
C15	15.69'	75.00'	11°59'07"	7.87'	S84°05'14"W	15.66'
C16	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C17	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C18	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C19	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'



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TARA FOREST WEST

SITUATED IN

SECTIONS 03, 04, AND 10, TOWNSHIP 08 SOUTH, RANGE 18 EAST, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA

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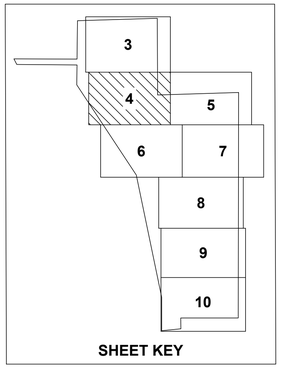
Plat Book ____ , Page ____
Sheet Four of Ten



SHEET KEY

Curve Table						
Curve#	Length	Radius	Delta	Tangent	Chord Bearing	Chord Distance
C20	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C21	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C22	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C23	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C24	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C25	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C26	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C27	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C28	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C29	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C30	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'

SYMBOL LEGEND

- BOUNDARY LINE (PLAT)
- BOUNDARY LINE (LOT)
- RIGHT-OF-WAY LINE
- RIGHT-OF-WAY CENTER LINE
- EASEMENT LINE
- BUILDING SETBACK LINE
- ■ 4"x4" CONCRETE MONUMENT (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- △ NAIL AND DISK (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- ● IRON ROD & CAP (SET), "JBPRO LB 8031"
- (521) LOT NUMBER

BUILDING SETBACK REQUIREMENTS

MINIMUM REQUIREMENT UNLESS OTHERWISE ILLUSTRATED
PRIMARY BUILDING:
FRONT = 20 FEET
SIDE = 5 FEET
REAR = 15 FEET

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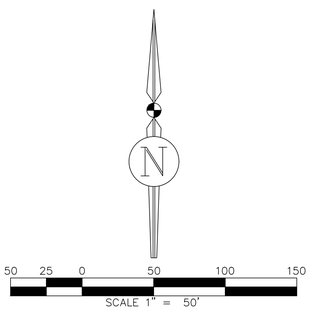

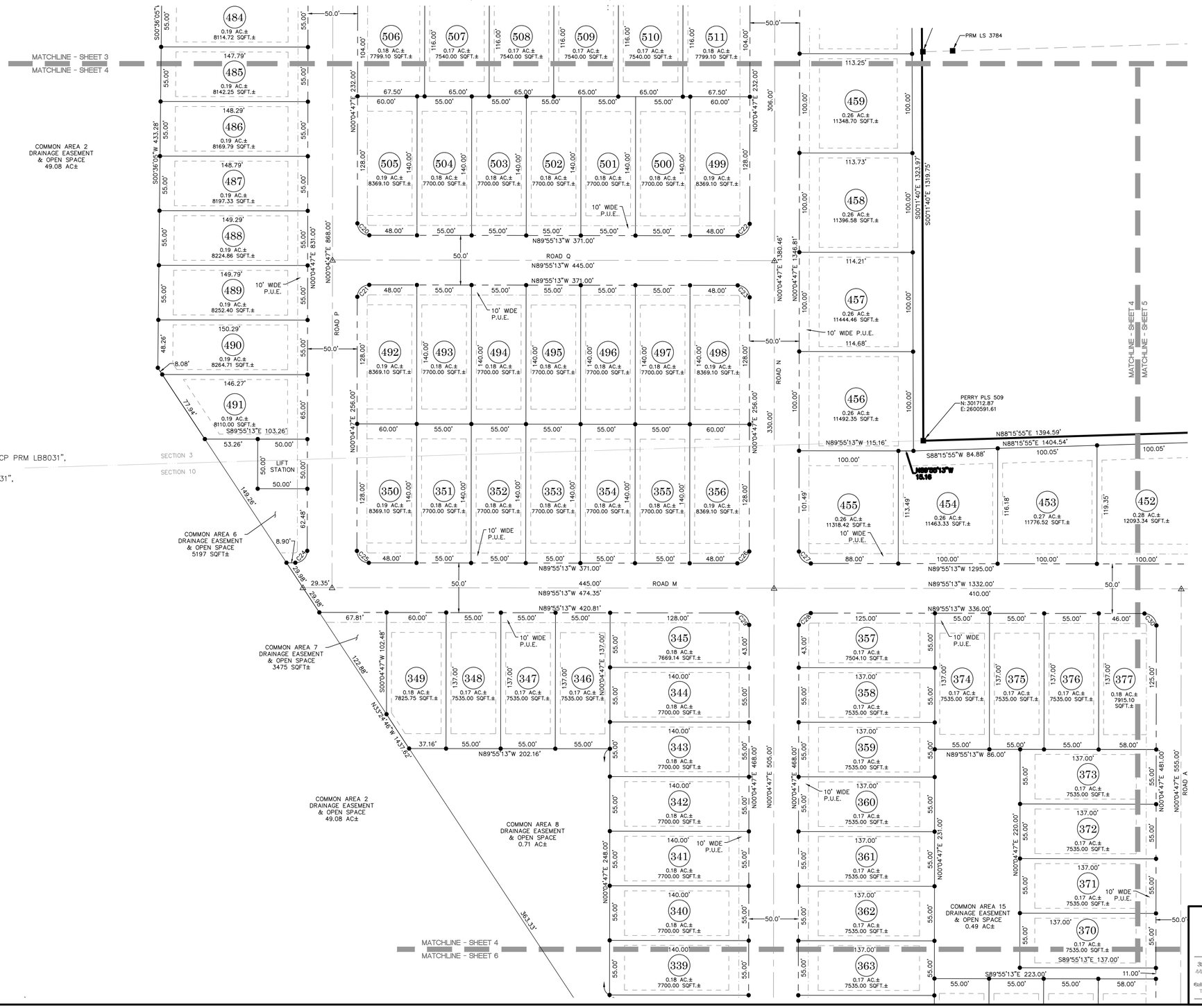

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Toll Free: (866) 584-1984 | E-mail: eastonj@jbpro.com

TARA FOREST WEST

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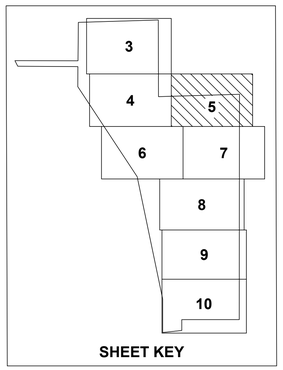
Plat Book ___ , Page ___
Sheet Five of Ten

Curve Table						
Curve#	Length	Radius	Delta	Tangent	Chord Bearing	Chord Distance
C30	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C31	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C32	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C33	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C34	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C35	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C36	39.27'	25.00'	90°00'00"	25.00'	N44°55'13"W	35.36'
C37	78.54'	50.00'	90°00'00"	50.00'	N44°55'13"W	70.71'
C38	117.81'	75.00'	90°00'00"	75.00'	N44°55'13"W	106.07'
C39	35.50'	75.00'	27°07'06"	18.09'	N76°21'40"W	35.17'
C40	40.65'	75.00'	31°03'18"	20.84'	N47°16'28"W	40.16'
C41	12.74'	75.00'	9°43'56"	6.39'	N26°52'51"W	12.72'
C42	28.92'	75.00'	22°05'40"	14.64'	N10°58'02"W	28.74'



SHEET KEY

SYMBOL LEGEND

- BOUNDARY LINE (PLAT)
- BOUNDARY LINE (LOT)
- RIGHT-OF-WAY LINE
- RIGHT-OF-WAY CENTER LINE
- EASEMENT LINE
- BUILDING SETBACK LINE
- ■ 4"X4" CONCRETE MONUMENT (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- △ NAIL AND DISK (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- ● IRON ROD & CAP (SET), "JBPRO LB 8031"
- (321) LOT NUMBER

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BUILDING SETBACK REQUIREMENTS

MINIMUM REQUIREMENT UNLESS OTHERWISE ILLUSTRATED
PRIMARY BUILDING:
FRONT = 20 FEET
SIDE = 5 FEET
REAR = 15 FEET

DOGWOOD ACRES P.B. Q, PG. 38
LOT 10
TAX PARCEL 03013-010-010
6.94 ACRES±

DOGWOOD ACRES P.B. Q, PG. 38
LOT 9
TAX PARCEL 03013-010-009
6.94 ACRES±

DOGWOOD ACRES P.B. Q, PG. 38
LOT 8
TAX PARCEL 03013-010-008

MATCHLINE - SHEET 4
MATCHLINE - SHEET 5
MATCHLINE - SHEET 5
MATCHLINE - SHEET 7

NO ID
JBPRO PRM LB8031
10.0' TYPE D LANDSCAPE BUFFER
N88°15'55"E 1404.54'
N89°55'13"W 1295.00'
N89°55'13"W 1332.00'
N89°55'13"W 250.00'
N89°55'13"W 237.00'
S89°55'13"E 137.00'
S27°11'53"W 183.39'
N58°15'11"E 174.52'
N67°59'08"E 153.80'
S00°04'47"W 151.03'
S00°04'47"W 865.01'
S00°04'47"W 828.01'
S00°04'47"W 463.00'
S00°04'47"W 555.00'
N00°04'47"E 555.00'
N00°04'47"E 476.00'
N00°04'47"E 481.00'
ROAD A
ROAD M
ROAD I
ROAD K
ROAD C
10' WIDE P.U.E.
7.00'
45.52'
15.01'
50.0'
11.00'
COMMON AREA 16
DRAINAGE EASEMENT
& OPEN SPACE
4348 SQFT±

453 0.27 AC.± 11776.52 SQFT.±
452 0.28 AC.± 12093.34 SQFT.±
451 0.28 AC.± 12410.16 SQFT.±
450 0.29 AC.± 12726.99 SQFT.±
449 0.30 AC.± 13043.81 SQFT.±
448 0.31 AC.± 13360.63 SQFT.±
447 0.31 AC.± 13677.45 SQFT.±
446 0.32 AC.± 13994.28 SQFT.±
445 0.33 AC.± 14311.10 SQFT.±
444 0.34 AC.± 14627.92 SQFT.±
443 0.34 AC.± 14944.75 SQFT.±
442 0.30 AC.± 13051.13 SQFT.±
441 0.46 AC.± 19881.47 SQFT.±
440 0.23 AC.± 10092.81 SQFT.±
439 0.17 AC.± 7535.00 SQFT.±
438 0.17 AC.± 7535.00 SQFT.±
437 0.17 AC.± 7535.00 SQFT.±
436 0.17 AC.± 7535.00 SQFT.±
435 0.17 AC.± 7535.00 SQFT.±
434 0.17 AC.± 7535.00 SQFT.±
433 0.17 AC.± 7535.00 SQFT.±
376 0.17 AC.± 7535.00 SQFT.±
377 0.18 AC.± 7915.10 SQFT.±
373 0.17 AC.± 7535.00 SQFT.±
372 0.17 AC.± 7535.00 SQFT.±
371 0.17 AC.± 7535.00 SQFT.±
370 0.17 AC.± 7535.00 SQFT.±
369 0.17 AC.± 7535.00 SQFT.±
378 0.18 AC.± 7846.60 SQFT.±
379 0.17 AC.± 7535.00 SQFT.±
380 0.17 AC.± 7535.00 SQFT.±
381 0.17 AC.± 7535.00 SQFT.±
382 0.17 AC.± 7535.00 SQFT.±
383 0.17 AC.± 7535.00 SQFT.±
384 0.17 AC.± 7535.00 SQFT.±
395 0.18 AC.± 7846.60 SQFT.±
394 0.17 AC.± 7535.00 SQFT.±
393 0.17 AC.± 7535.00 SQFT.±
392 0.17 AC.± 7535.00 SQFT.±
391 0.17 AC.± 7535.00 SQFT.±
390 0.17 AC.± 7535.00 SQFT.±
389 0.17 AC.± 7535.00 SQFT.±
396 0.18 AC.± 7846.60 SQFT.±
397 0.17 AC.± 7535.00 SQFT.±
398 0.17 AC.± 7535.00 SQFT.±
399 0.17 AC.± 7535.00 SQFT.±
400 0.17 AC.± 7535.00 SQFT.±
401 0.17 AC.± 7535.00 SQFT.±
402 0.17 AC.± 7535.00 SQFT.±
413 0.18 AC.± 7846.60 SQFT.±
412 0.17 AC.± 7535.00 SQFT.±
411 0.17 AC.± 7535.00 SQFT.±
410 0.17 AC.± 7535.00 SQFT.±
409 0.17 AC.± 7535.00 SQFT.±
408 0.17 AC.± 7535.00 SQFT.±
407 0.17 AC.± 7535.00 SQFT.±
414 0.18 AC.± 7846.60 SQFT.±
415 0.17 AC.± 7535.00 SQFT.±
416 0.17 AC.± 7535.00 SQFT.±
417 0.17 AC.± 7535.00 SQFT.±
418 0.17 AC.± 7535.00 SQFT.±
419 0.17 AC.± 7535.00 SQFT.±
420 0.17 AC.± 7535.00 SQFT.±
431 0.18 AC.± 7743.37 SQFT.±
430 0.17 AC.± 7535.00 SQFT.±
429 0.17 AC.± 7535.00 SQFT.±
428 0.17 AC.± 7535.00 SQFT.±
427 0.17 AC.± 7535.00 SQFT.±
426 0.17 AC.± 7535.00 SQFT.±
425 0.17 AC.± 7535.00 SQFT.±

50 25 0 50 100 150
SCALE 1" = 50'

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Gainesville: (352) 378-8899 | St. Augustine: (904) 780-8899
Toll Free: (855) JBrown1 | E-mail: exercise@jbpro.com

TARA FOREST WEST

SITUATED IN
SECTIONS 03, 04, AND 10, TOWNSHIP 08 SOUTH, RANGE 18 EAST, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA

NOTICE:
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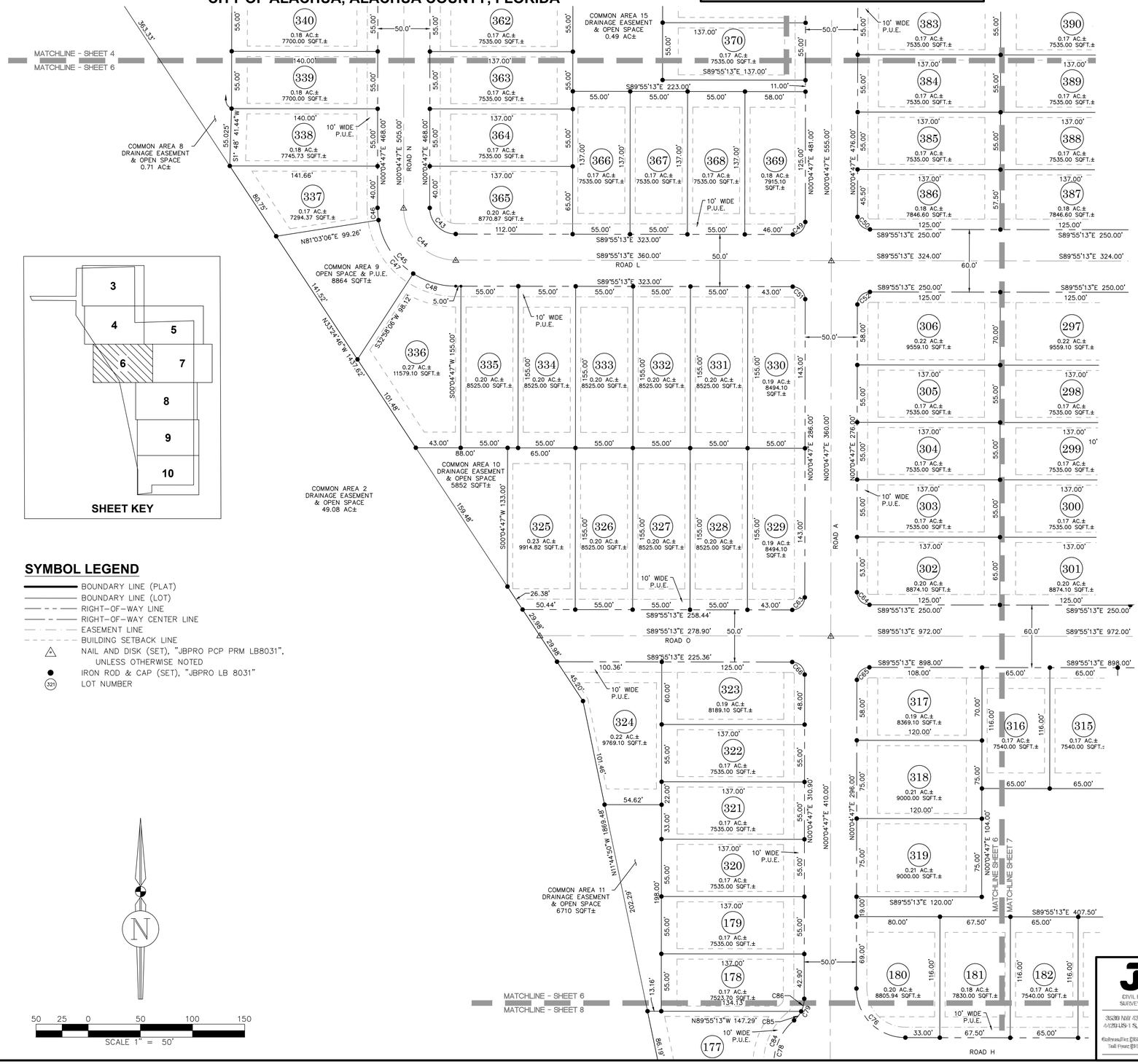
Plat Book ___ , Page ___
Sheet Six of Ten



Curve Table						
Curve#	Length	Radius	Delta	Tangent	Chord Bearing	Chord Distance
C43	39.27'	25.00'	90°00'00"	25.00'	S44°55'13"E	35.36'
C44	78.54'	50.00'	90°00'00"	50.00'	S44°55'13"E	70.71'
C45	117.81'	75.00'	90°00'00"	75.00'	S44°55'13"E	106.07'
C46	11.82'	75.00'	9°01'41"	5.92'	S04°26'03"E	11.81'
C47	62.94'	75.00'	48°05'00"	33.46'	S32°59'24"E	61.11'
C48	43.05'	75.00'	32°53'19"	22.14'	S73°28'33"E	42.46'
C49	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C50	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C51	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C52	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C63	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C64	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C65	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C66	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C76	73.83'	47.00'	90°00'00"	47.00'	S44°55'13"E	66.47'
C78	93.89'	54.00'	99°36'58"	63.92'	N00°19'57"E	82.50'
C79	23.59'	27.00'	50°03'39"	12.61'	N25°06'37"E	22.85'
C84	59.09'	54.00'	62°41'32"	32.89'	S18°47'40"W	56.18'
C85	11.04'	27.00'	23°25'28"	5.60'	N38°25'42"E	10.96'
C86	12.55'	27.00'	26°38'10"	6.39'	N13°23'53"E	12.44'

ABBREVIATIONS

FFE = FINISHED FLOOR ELEVATION
ID = IDENTIFICATION
INC = INCORPORATED
JBPRO = JBROWN PROFESSIONAL GROUP
LB = LICENSED BUSINESS
LLC = LIMITED LIABILITY CORPORATION
MIN = MINIMUM
P.U.E. = PUBLIC UTILITIES EASEMENT
PCP = PERMANENT CONTROL POINT
PRM = PERMANENT REFERENCE MONUMENT
PSM = PROFESSIONAL SURVEYOR AND MAPPER
R/W = RIGHT-OF-WAY
SQFT = SQUARE FEET

SYMBOL LEGEND

- BOUNDARY LINE (PLAT)
- BOUNDARY LINE (LOT)
- RIGHT-OF-WAY LINE
- RIGHT-OF-WAY CENTER LINE
- EASEMENT LINE
- BUILDING SETBACK LINE
- △ NAIL AND DISK (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- ● IRON ROD & CAP (SET), "JBPRO LB 8031"
- (321) LOT NUMBER

BUILDING SETBACK REQUIREMENTS

MINIMUM REQUIREMENT UNLESS OTHERWISE ILLUSTRATED
PRIMARY BUILDING:
FRONT = 20 FEET
SIDE = 5 FEET
REAR = 15 FEET

JBPro
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3530 NW 43rd Street | Gainesville, Florida 32606
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Gainesville (352) 376-1821 | St. Augustine (904) 794-0809
Toll Free (866) 854-1821 | Email: eventsjbpro@gmail.com

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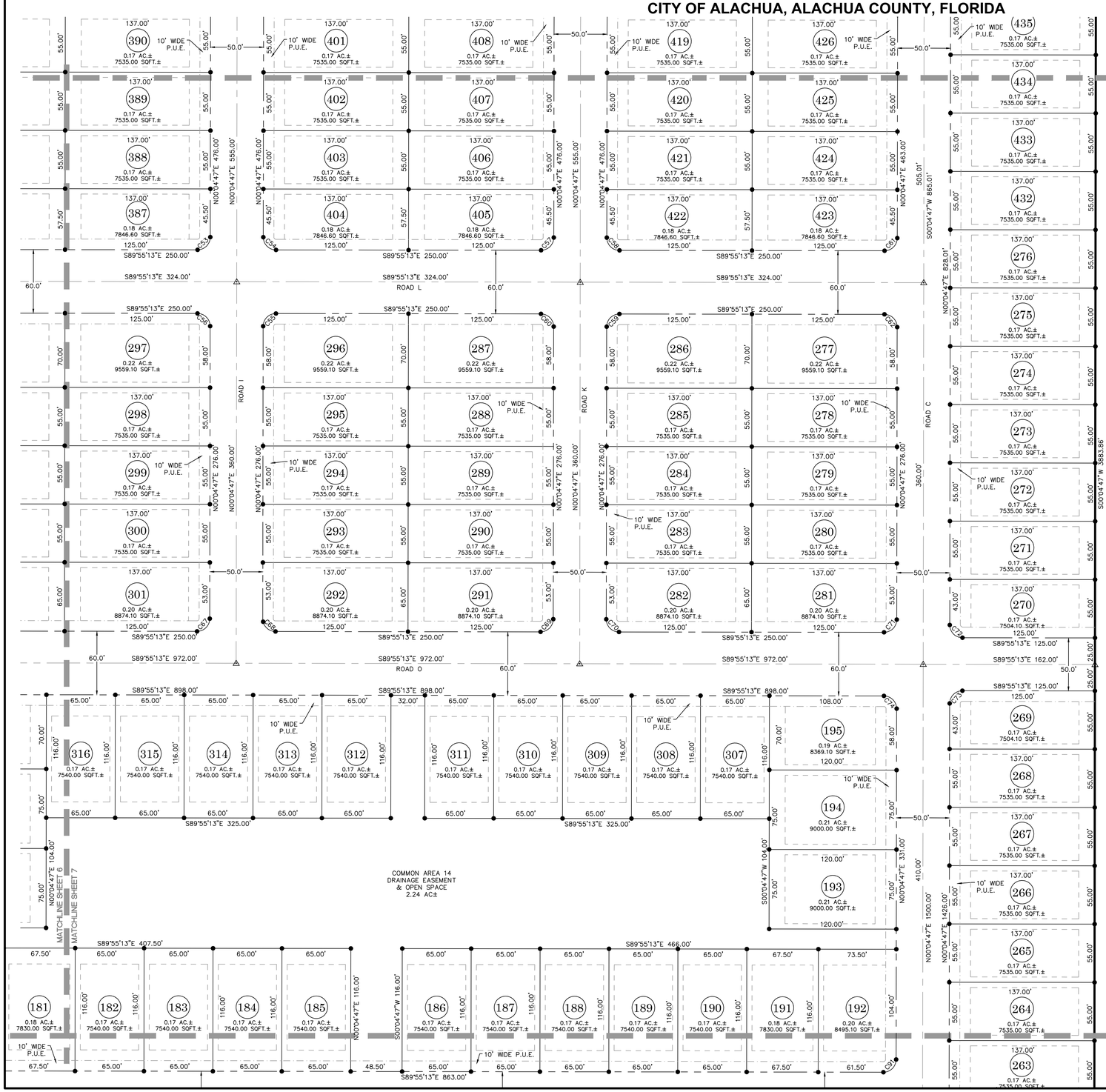
Plat Book ___ , Page ___
Sheet Seven of Ten



ABBREVIATIONS

D.E. = DRAINAGE EASEMENT
FFE = FINISHED FLOOR ELEVATION
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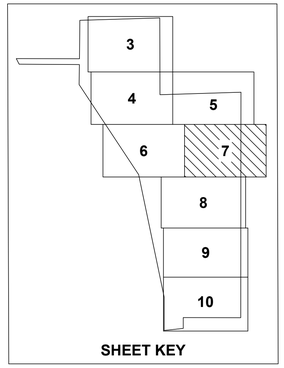
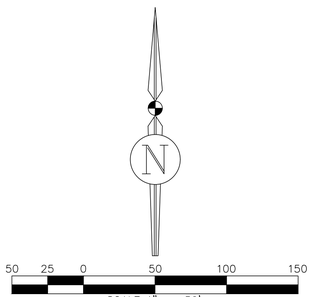


Curve Table						
Curve#	Length	Radius	Delta	Tangent	Chord Bearing	Chord Distance
C53	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C54	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C55	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C56	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C57	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C58	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C59	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C60	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C61	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C62	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C67	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C68	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C69	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C70	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C71	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C72	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C73	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C74	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C91	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'



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Plat Book ___ , Page ___
Sheet Eight of Ten

BUILDING SETBACK REQUIREMENTS
MINIMUM REQUIREMENT UNLESS OTHERWISE ILLUSTRATED
PRIMARY BUILDING:
FRONT = 20 FEET
SIDE = 5 FEET
REAR = 15 FEET

Curve Table					
Curve#	Length	Radius	Delta	Tangent	Chord Bearing	Chord Distance
C75	42.10'	27.00'	89°20'02"	26.69'	S32°35'59"W	37.96'
C76	73.83'	47.00'	90°00'00"	47.00'	S44°55'13"E	66.47'
C77	56.80'	87.00'	37°24'30"	29.45'	N30°46'17"W	55.80'
C78	93.89'	54.00'	99°36'58"	63.92'	N00°19'57"E	82.50'
C79	23.59'	27.00'	50°03'39"	12.61'	N25°06'37"E	22.85'
C80	10.22'	87.00'	6°43'58"	5.12'	N15°26'01"W	10.22'
C81	46.58'	87.00'	30°40'32"	23.86'	N34°08'16"W	46.02'
C82	21.66'	54.00'	22°58'43"	10.98'	S37°59'11"E	21.51'
C83	13.14'	54.00'	13°56'44"	6.60'	S19°31'27"E	13.11'
C84	59.09'	54.00'	62°41'32"	32.89'	S18°47'40"W	56.18'
C85	11.04'	27.00'	23°25'28"	5.60'	N38°25'42"E	10.96'
C86	12.55'	27.00'	26°38'10"	6.39'	N13°23'53"E	12.44'
C87	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C88	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C89	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C90	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C91	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C92	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C93	18.85'	12.00'	90°00'00"	12.00'	S57°04'02"E	16.97'
C94	18.85'	12.00'	90°00'00"	12.00'	S32°55'58"W	16.97'

Curve Table					
Curve#	Length	Radius	Delta	Tangent	Chord Bearing	Chord Distance
C95	21.20'	100.00'	12°08'49"	10.64'	S84°00'23"W	21.16'
C96	26.50'	125.00'	12°08'49"	13.30'	S84°00'23"W	26.45'
C97	32.86'	155.00'	12°08'49"	16.49'	S84°00'23"W	32.80'
C98	20.57'	155.00'	7°36'11"	10.30'	S81°44'04"W	20.55'
C99	12.29'	155.00'	4°32'38"	6.15'	S87°48'28"W	12.29'
C100	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C101	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C102	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C103	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C104	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C105	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C106	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C107	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C108	18.85'	12.00'	90°00'00"	12.00'	S57°04'02"E	16.97'
C109	18.85'	12.00'	90°00'00"	12.00'	S32°55'58"W	16.97'
C110	219.16'	45.00'	279°02'56"	38.40'	N12°04'02"W	58.42'
C111	10.37'	12.00'	49°31'28"	5.54'	N53°10'14"E	10.05'
C112	10.37'	12.00'	49°31'28"	5.54'	N77°18'18"W	10.05'
C113	43.36'	45.00'	55°12'18"	23.53'	S56°00'39"W	41.70'
C114	42.76'	45.00'	54°26'23"	23.15'	N69°10'00"W	41.17'

Curve Table					
Curve#	Length	Radius	Delta	Tangent	Chord Bearing	Chord Distance
C115	46.93'	45.00'	59°45'33"	25.85'	N12°04'02"W	44.84'
C116	42.76'	45.00'	54°26'23"	23.15'	N45°01'56"E	41.17'
C117	43.36'	45.00'	55°12'18"	23.53'	S80°08'43"E	41.70'
C165	14.98'	67.00'	12°48'48"	7.52'	S83°40'24"W	14.95'
C166	18.85'	12.00'	90°00'00"	12.00'	N32°55'58"E	16.97'
C167	18.85'	12.00'	90°00'00"	12.00'	N57°04'02"W	16.97'

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Plat Book ___ , Page ___
Sheet Nine of Ten

BUILDING SETBACK REQUIREMENTS

MINIMUM REQUIREMENT UNLESS OTHERWISE ILLUSTRATED
PRIMARY BUILDING:
FRONT = 20 FEET
SIDE = 5 FEET
REAR = 15 FEET



COMMON AREA 2
DRAINAGE EASEMENT
& OPEN SPACE
49.08 AC±

COMMON AREA 13
DRAINAGE EASEMENT
& OPEN SPACE
2820 SQFT AC±

MATCHLINE-SHEET 8
MATCHLINE-SHEET 9
MATCHLINE - SHEET 9
MATCHLINE - SHEET 10

ROAD A
ROAD B
ROAD C
ROAD D
ROAD J
ROAD T

Curve Table						
Curve#	Length	Radius	Delta	Tangent	Chord Bearing	Chord Distance
C118	18.85'	12.00'	90°00'00"	12.00'	N32°55'58"E	16.97'
C119	18.85'	12.00'	90°00'00"	12.00'	S57°04'02"E	16.97'
C120	18.85'	12.00'	90°00'00"	12.00'	S32°55'58"W	16.97'
C121	18.85'	12.00'	90°00'00"	12.00'	N57°04'02"W	16.97'
C122	25.44'	120.00'	12°08'49"	12.77'	S84°00'23"W	25.39'
C123	31.80'	150.00'	12°08'49"	15.96'	S84°00'23"W	31.74'
C124	38.16'	180.00'	12°08'49"	19.15'	S84°00'23"W	38.09'
C125	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C126	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C127	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C128	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C129	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C130	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C131	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C132	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C133	58.30'	275.00'	12°08'49"	29.26'	N05°59'37"W	58.19'
C134	63.60'	300.00'	12°08'49"	31.92'	N05°59'37"W	63.48'
C135	68.90'	325.00'	12°08'49"	34.58'	N05°59'37"W	68.77'
C136	13.78'	325.00'	2°25'48"	6.89'	N10°51'08"W	13.78'
C137	51.75'	325.00'	9°07'22"	25.93'	N05°04'33"W	51.69'

Curve Table						
Curve#	Length	Radius	Delta	Tangent	Chord Bearing	Chord Distance
C138	3.37'	325.00'	0°35'40"	1.69'	N00°13'02"W	3.37'
C139	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C140	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C141	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C142	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C143	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C144	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C145	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C146	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'

SYMBOL LEGEND

- BOUNDARY LINE (PLAT)
- BOUNDARY LINE (LOT)
- RIGHT-OF-WAY LINE
- RIGHT-OF-WAY CENTER LINE
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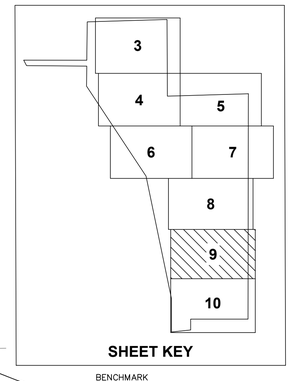

SHEET KEY

BENCHMARK
4X4 FOUND
CONCRETE MONUMENT
(LS 3784 PRM)
NORTHING: 298698.44'
EASTING: 2601981.30'
ELEVATION: 121.25'

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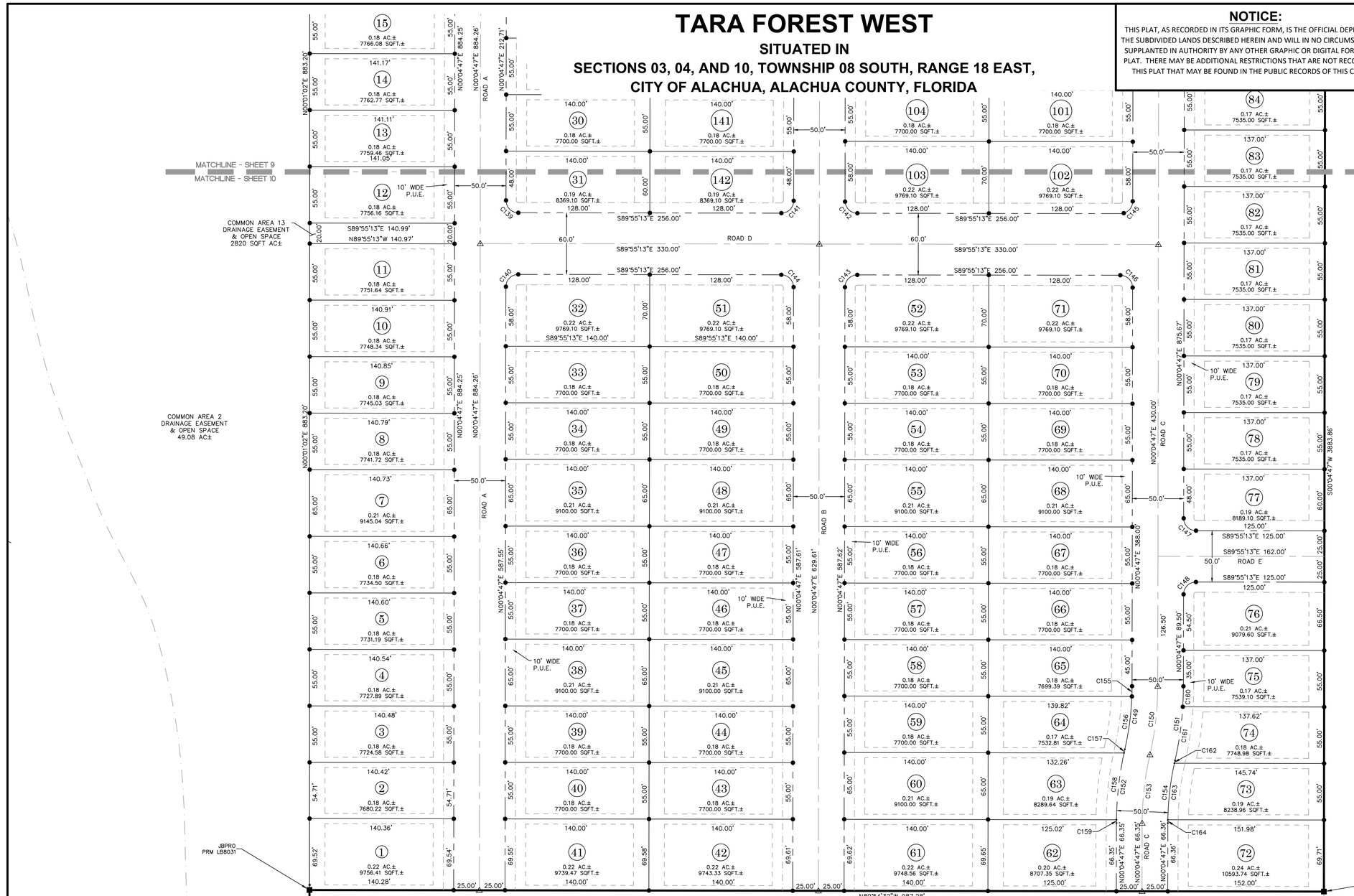
SECTIONS 03, 04, AND 10, TOWNSHIP 08 SOUTH, RANGE 18 EAST, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA

NOTICE:
THIS PLAT, AS RECORDED IN ITS GRAPHIC FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

Plat Book ___ , Page ___
Sheet Ten of Ten



Curve Table						
Curve#	Length	Radius	Delta	Tangent	Chord Bearing	Chord Distance
C139	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C140	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C141	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C142	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C143	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C144	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C145	18.85'	12.00'	90°00'00"	12.00'	N45°04'47"E	16.97'
C146	18.85'	12.00'	90°00'00"	12.00'	N44°55'13"W	16.97'
C147	18.85'	12.00'	90°00'00"	12.00'	S44°55'13"E	16.97'
C148	18.85'	12.00'	90°00'00"	12.00'	S45°04'47"W	16.97'
C149	61.62'	275.00'	12°50'19"	30.94'	N06°29'57"E	61.49'
C150	67.22'	300.00'	12°50'19"	33.75'	N06°29'57"E	67.08'
C151	72.82'	325.00'	12°50'19"	36.57'	N06°29'57"E	72.67'
C152	72.82'	325.00'	12°50'19"	36.57'	S06°29'57"W	72.67'
C153	67.22'	300.00'	12°50'19"	33.75'	S06°29'57"W	67.08'
C154	61.62'	275.00'	12°50'19"	30.94'	S06°29'57"W	61.49'
C155	10.00'	275.00'	2°05'02"	5.00'	N01°07'19"E	10.00'
C156	51.62'	275.00'	10°45'17"	25.89'	N07°32'28"E	51.54'
C157	3.99'	325.00'	0°42'11"	1.99'	S12°34'01"W	3.99'
C158	65.51'	325.00'	11°32'59"	32.87'	S06°26'26"W	65.40'

Curve Table						
Curve#	Length	Radius	Delta	Tangent	Chord Bearing	Chord Distance
C159	3.32'	325.00'	0°35'09"	1.66'	S00°22'22"W	3.32'
C160	20.01'	325.00'	3°31'41"	10.01'	N01°50'38"E	20.01'
C161	52.81'	325.00'	9°18'38"	26.46'	N08°15'47"E	52.75'
C162	2.85'	275.00'	0°35'39"	1.43'	S12°37'17"W	2.85'
C163	55.45'	275.00'	11°33'08"	27.82'	S06°32'54"W	55.35'
C164	3.32'	275.00'	0°41'32"	1.66'	S00°25'34"W	3.32'

UNPLATTED LANDS
A PORTION OF
TAX PARCEL
03067-001-000
39.98 ACRES±

ABBREVIATIONS

FFE = FINISHED FLOOR ELEVATION
ID = IDENTIFICATION
INC = INCORPORATED
JBPRO = JBROWN PROFESSIONAL GROUP
LB = LICENSED BUSINESS
LLC = LIMITED LIABILITY CORPORATION
MIN = MINIMUM
P.U.E. = PUBLIC UTILITIES EASEMENT
PCP = PERMANENT CONTROL POINT
PRM = PERMANENT REFERENCE MONUMENT
PSM = PROFESSIONAL SURVEYOR AND MAPPER
R/W = RIGHT-OF-WAY
SQFT = SQUARE FEET

SYMBOL LEGEND

- BOUNDARY LINE (PLAT)
- BOUNDARY LINE (LOT)
- RIGHT-OF-WAY LINE
- RIGHT-OF-WAY CENTER LINE
- EASEMENT LINE
- BUILDING SETBACK LINE
- ■ 4"X4" CONCRETE MONUMENT (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- △ NAIL AND DISK (SET), "JBPRO PCP PRM LB8031", UNLESS OTHERWISE NOTED
- ● IRON ROD & CAP (SET), "JBPRO LB 8031"
- (321) LOT NUMBER

BUILDING SETBACK REQUIREMENTS

MINIMUM REQUIREMENT UNLESS OTHERWISE ILLUSTRATED
PRIMARY BUILDING:
FRONT = 20 FEET
SIDE = 5 FEET
REAR = 15 FEET

JBPro
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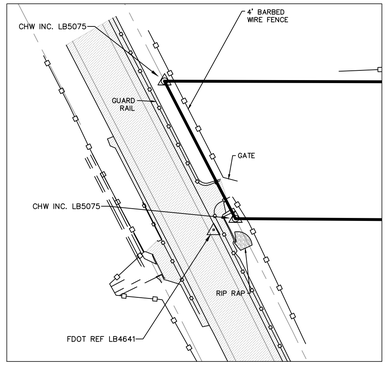
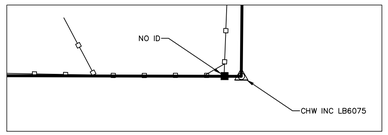
SURVEYING | CONSTRUCTION SERVICES
3620 NW 43rd Street | Gainesville, Florida 32606
4020 Lewis Speedway, Suite 1 | St. Augustine, Florida 32086
Gainesville: (352) 376-6999 | St. Augustine: (904) 706-6999
Toll Free: (800) 226-1994 | E-mail: contact@jbpro.com

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA



DETAIL 1
1" = 50'



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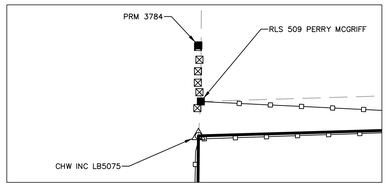
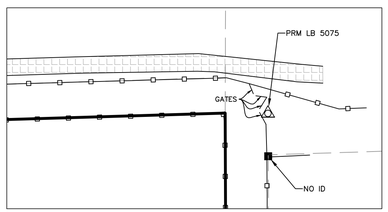
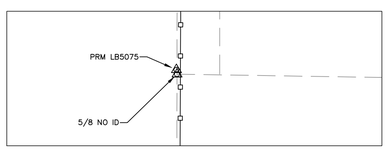


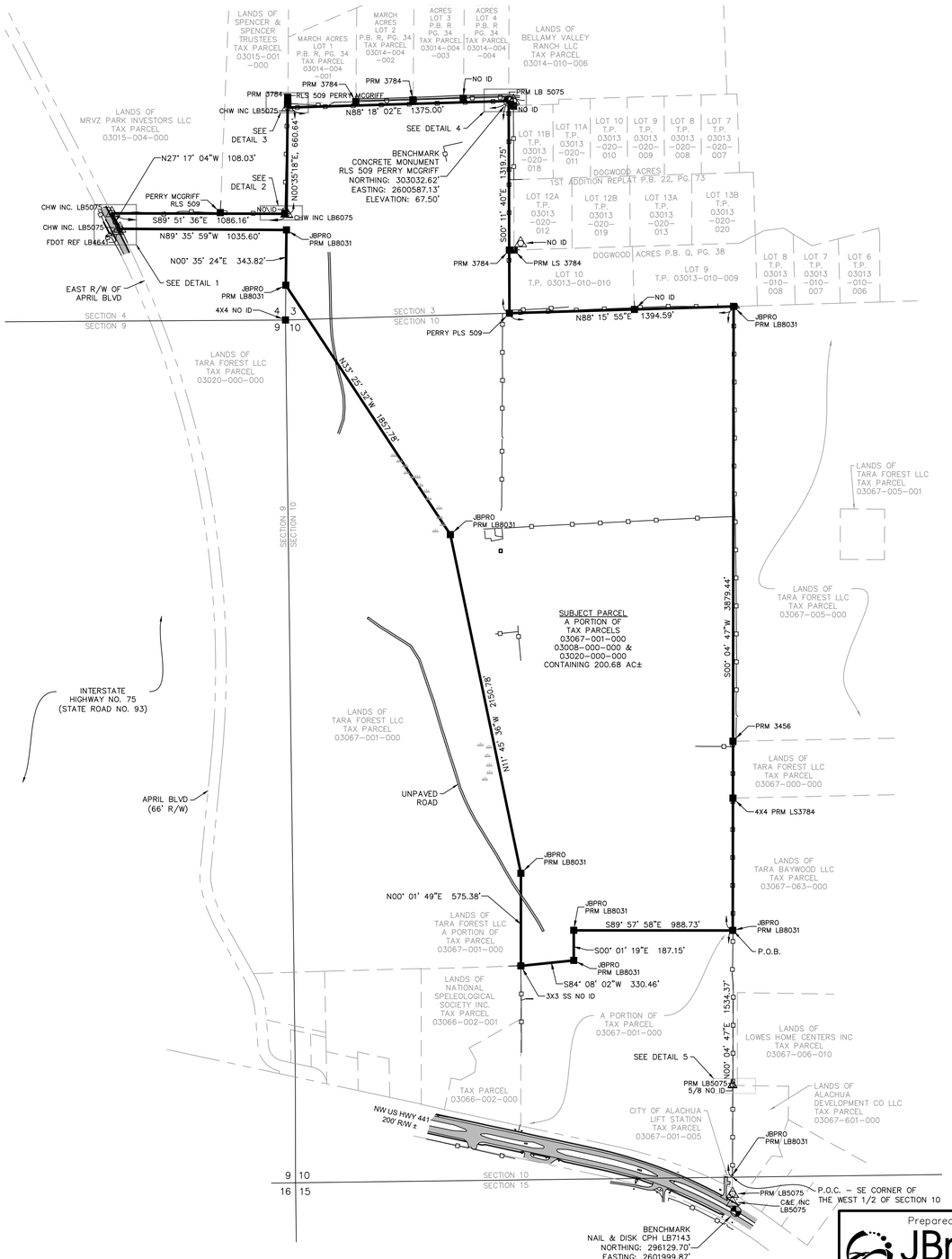
DETAIL 3
1" = 50'



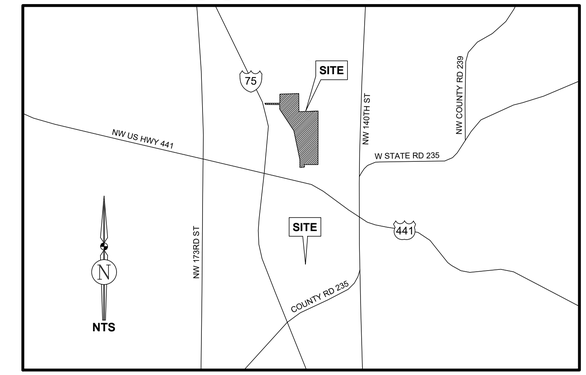
DETAIL 4
1" = 50'



DETAIL 5
1" = 50'



LOCATION MAP



LEGAL DESCRIPTION BY THIS FIRM

A PARCEL OF LAND SITUATED IN SECTIONS 3, 4 AND 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF THE WEST 1/2 OF SAID SECTION 10; THENCE RUN NORTH 00°04'47" EAST, ALONG THE EAST LINE OF SAID WEST 1/2, A DISTANCE OF 1534.37 FEET TO THE POINT OF BEGINNING. THENCE RUN SOUTH 89°57'58" EAST, A DISTANCE OF 988.73 FEET; THENCE RUN SOUTH 00°01'19" EAST, A DISTANCE OF 187.15 FEET; THENCE RUN SOUTH 84°08'02" WEST, A DISTANCE OF 330.46 FEET TO THE SOUTHEAST CORNER OF A CONSERVATION EASEMENT PER CITY OF ALACHUA ORDINANCE 10 23, PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA; THENCE RUN NORTH 00°01'49" EAST, ALONG THE EAST LINE OF SAID EASEMENT, A DISTANCE OF 575.38 FEET; THENCE RUN NORTH 11°45'36" WEST, A DISTANCE OF 2150.78 FEET; THENCE RUN NORTH 33°25'32" WEST, A DISTANCE OF 1857.78 FEET TO THE WEST LINE OF SECTION 3, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA; THENCE RUN NORTH 00°35'24" EAST ALONG SAID WEST LINE OF SECTION 3, A DISTANCE OF 343.82 FEET; THENCE RUN NORTH 89°35'59" WEST, A DISTANCE OF 1035.60 FEET TO THE EAST RIGHT-OF-WAY OF APRIL BOULEVARD; THENCE RUN NORTH 27°17'04" WEST ALONG SAID EAST RIGHT-OF-WAY, A DISTANCE OF 108.03 FEET; THENCE DEPARTING SAID EAST RIGHT-OF-WAY, RUN SOUTH 89°51'36" EAST, A DISTANCE OF 1086.16 FEET TO THE AFOREMENTIONED WEST LINE OF SECTION 3; THENCE RUN NORTH 00°35'18" EAST ALONG SAID WEST LINE OF SECTION 3, A DISTANCE OF 660.64 FEET; THENCE RUN NORTH 88°18'02" EAST, A DISTANCE OF 1375.00 FEET; THENCE RUN SOUTH 00°11'40" EAST, A DISTANCE OF 1319.75 FEET TO THE SOUTH LINE OF THE AFOREMENTIONED SECTION 3, ALSO BEING THE NORTH LINE OF SECTION 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA; THENCE RUN NORTH 88°15'55" EAST ALONG SAID SOUTH LINE OF SECTION 3, A DISTANCE OF 1394.59 FEET TO THE EAST LINE OF THE WEST 1/2 OF SECTION 10; THENCE RUN SOUTH 00°04'47" WEST ALONG SAID EAST LINE, A DISTANCE OF 3879.44 FEET TO THE POINT OF BEGINNING.

CONTAINING 200.68 ACRES, MORE OR LESS.

SURVEYOR'S NOTES

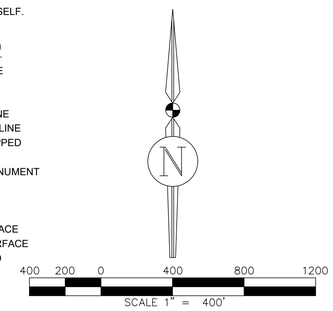
1. BEARINGS ARE BASED ON AN ASSUMED BEARING OF S00°04'47"W FOR THE EAST LINE OF THE WEST 1/2 OF SECTION 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA.
2. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND BASED ON THE U.S. NATIONAL GEODETIC SURVEY CONTINUOUSLY OPERATING REFERENCE STATION "GNVL" (DE6005), WITH A PUBLISHED ELEVATION OF 170.03 FEET.
3. STATE PLANE COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM ON 1983, 2011 ADJUSTMENT AND BASED ON THE U.S. NATIONAL GEODETIC SURVEY CONTINUOUSLY OPERATING REFERENCE STATION "GNVL" (DE6005), WITH A PUBLISHED POSITION IN U.S. SURVEY FEET OF:
   NORTHING = 256,559.510
   EASTING = 2,674,388.152
4. THIS SURVEY IS BASED ON MEASUREMENTS CONDUCTED ON APRIL 29, 2021.
5. NO UNDERGROUND UTILITIES WERE LOCATED IN THE COURSE OF THIS SURVEY. UNDERGROUND UTILITY LINE LOCATIONS ARE APPROXIMATE.
6. ADDITIONAL ENCUMBRANCES MAY AFFECT THE SUBJECT PARCEL THAT DO NOT APPEAR ON THIS MAP.
7. EASEMENTS DEPICTED ON THIS SURVEY WERE PROVIDED BY THE CLIENT OR ARE RECORDED IN AN ASSOCIATED PLAT. NO EASEMENT RESEARCH WAS CONDUCTED DURING THE COURSE OF THIS SURVEY.
8. REPRODUCED COPIES THAT ARE NOT AT 24"X36" MAY NOT BE TO SCALE.
9. SHEETS V-01 THRU V-18 MUST BE USED AS A SET. NO ONE SHEET IS VALID BY ITSELF.

ABBREVIATIONS

FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION
ID = IDENTIFICATION
INC = INCORPORATED
LB = LICENSED SURVEYING BUSINESS
LLC = LIMITED LIABILITY COMPANY
LS = LICENSED SURVEYOR
P.B. = PLAT BOOK
PG. = PAGE
P.O.B. = POINT OF BEGINNING
PLS = PROFESSIONAL LAND SURVEYOR
PRM = PERMANENT REFERENCE MONUMENT
PSM = PROFESSIONAL SURVEYOR & MAPPER
RLS = REGISTERED LAND SURVEYOR
R/W = RIGHT-OF-WAY
TP = TAX PARCEL

SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- GUARD RAIL
- TAX PARCEL LINE
- RIGHT-OF-WAY LINE
- IRON ROD - CAPPED
- NAIL AND DISK
- CONCRETE MONUMENT
- BENCHMARK
- POST
- WETLAND FLAG
- ASPHALT SURFACE
- CONCRETE SURFACE
- UNPAVED ROAD



NW US HWY 441
ALACHUA, FLORIDA

Prepared By:
JBrown Professional Group Inc
CIVIL ENGINEERING • LAND SURVEYING • PLANNING
3530 NW 43rd Street • Gainesville, Florida 32606
PHONE: (352) 375-8999 • FAX: (352) 375-6833
E-MAIL: contact@jbprogroup.com

THE MAP OF THE PROPERTY DESCRIBED HEREON WAS MADE UNDER MY SUPERVISION AND THIS MAP OF SURVEY FURTHER MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE STATE OF FLORIDA BOARD OF PROFESSIONAL SURVEYORS & MAPPERS IN CHAPTER 5J-17.05, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND THE MAP OF SURVEY SHOWN HEREON IS A TRUE AND ACCURATE REPRESENTATION THEREOF TO THE BEST OF MY KNOWLEDGE, BEING SUBJECT TO NOTES AND NOTATIONS SHOWN HEREON.

Florida License No. LS7210
Certificate of Authorization No. LB8031

NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR & MAPPER OR VALID DIGITAL SIGNATURE IN ELECTRONIC FORM

TROY V WRIGHT, PSM
Professional Surveyor and Mapper

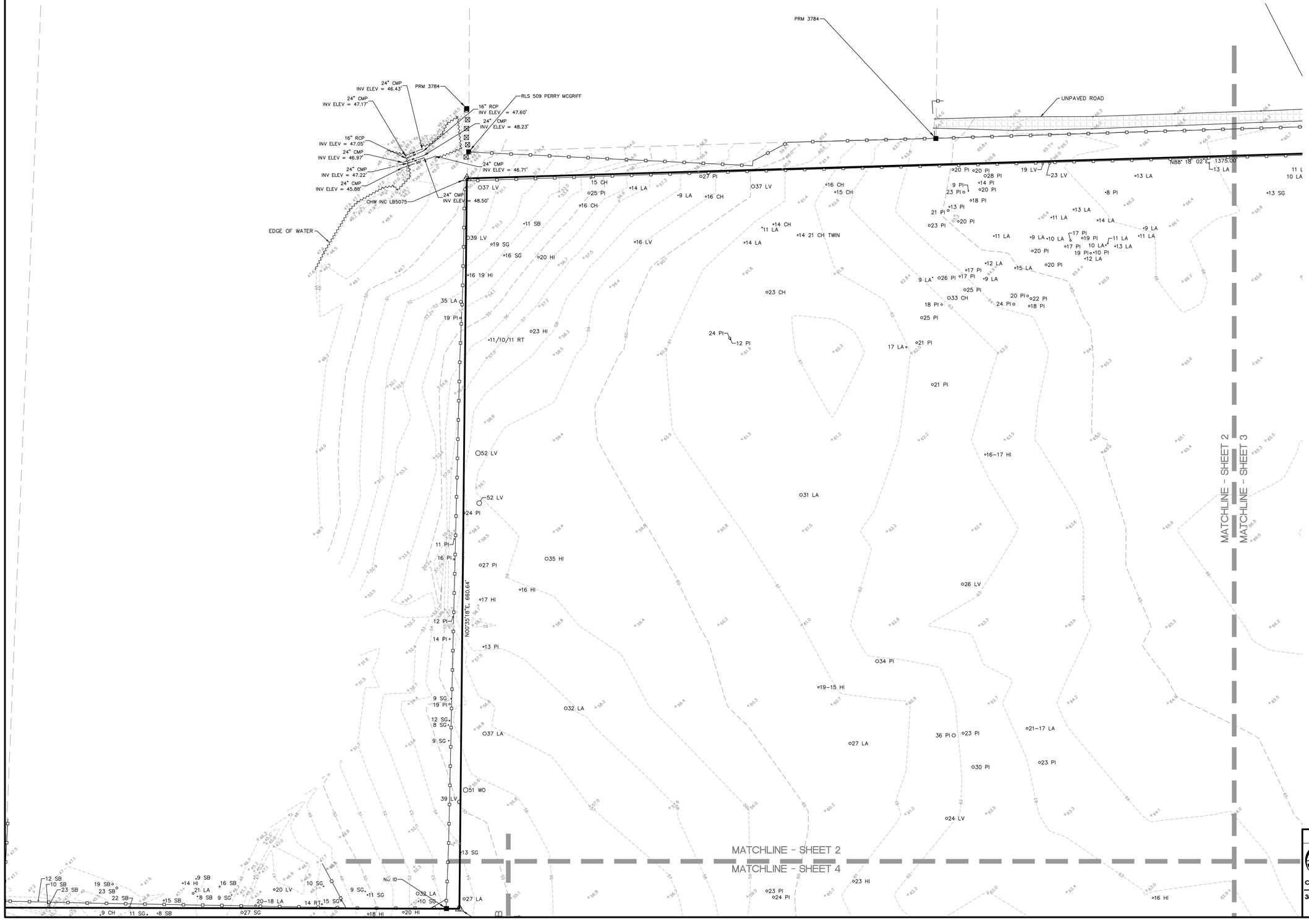
BOUNDARY & TOPOGRAPHIC SURVEY

CERTIFIED TO:
1. SAYED MOUKHTARA

Scale:	1"=400'
Proj. No.	398-19-03
Drawn:	T.Hensley
Checked:	T.Wright
Dwg. Name:	398-19-03-ST1
Dwg. Date:	4/30/2021
Field Book:	N/A
Pages:	N/A
Sheet:	**V-01**

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA



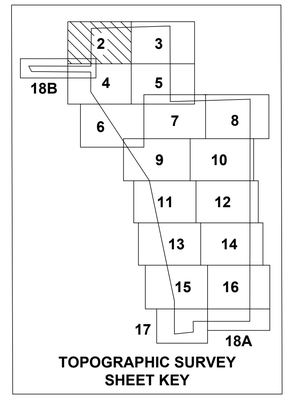
SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- TAX PARCEL LINE
- EST — STORMWATER LINE
- CONCRETE MONUMENT
- POST
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES
- UNPAVED ROAD

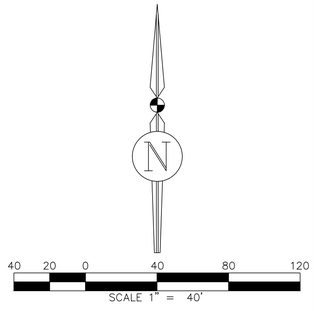
ABBREVIATIONS

CMP = CORRUGATED METAL PIPE
ELEV = ELEVATION
INC = INCORPORATED
INV = INVERT
LB = LICENSED SURVEYING BUSINESS
PRM = PERMANENT REFERENCE MONUMENT
RCP = REINFORCED CONCRETE PIPE
RLS = REGISTERED LAND SURVEYOR

TREES:
CH = CHERRY LAUREL
HI = HICKORY
LA = LAUREL OAK
LV = LIVE OAK
PI = PINE
RT = RAIN TREE
SB = SUGARBERRY
SG = SWEETGUM
TWIN = TWIN TRUNK
WO = WATER OAK



TOPOGRAPHIC SURVEY
SHEET KEY



NW US HWY 441
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BOUNDARY & TOPOGRAPHIC SURVEY

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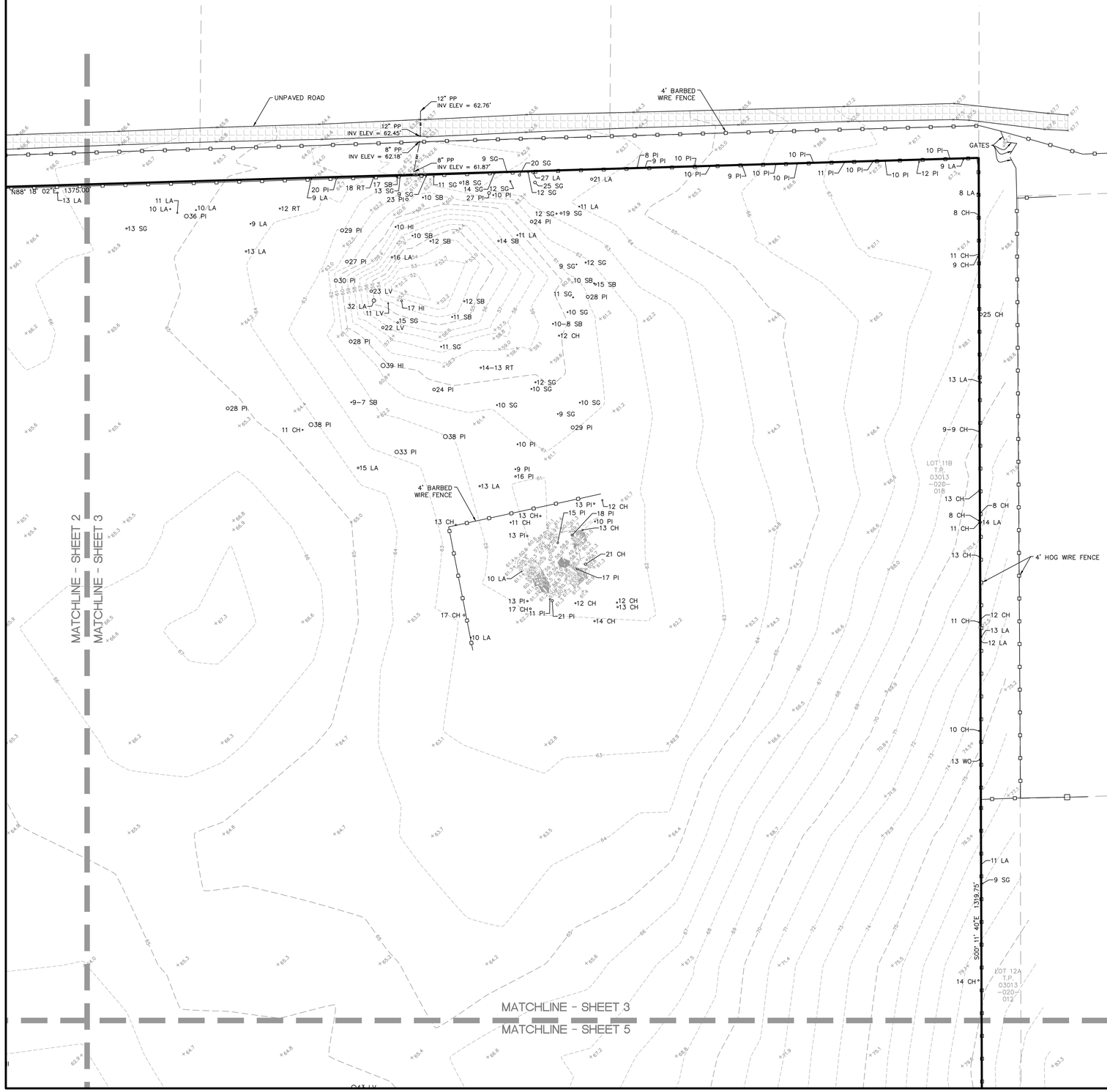
E-MAIL: contact@jbprogroup.com

Scale:	1"=40'
Proj. No.	398-19-03
Drawn:	T.Hensley
Checked:	T. Wright
Dwg. Name:	398-19-03-ST1
Dwg. Date:	4/30/2021
Field Book:	N/A
Pages:	N/A
Sheet:	V-02

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA



SYMBOL LEGEND

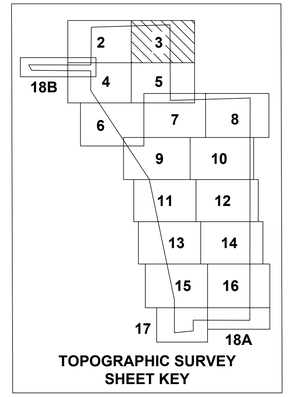
- BOUNDARY LINE
- FENCE LINE
- TAX PARCEL LINE
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES
- UNPAVED ROAD

ABBREVIATIONS

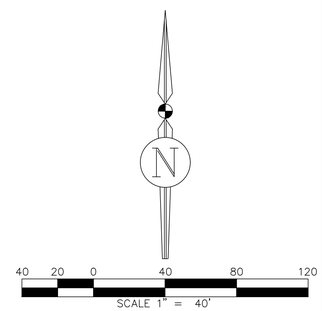
ELEV = ELEVATION
INV = INVERT
PP = PLASTIC PIPE

TREES:

CH = CHERRY LAUREL
HI = HICKORY
LA = LAUREL OAK
LV = LIVE OAK
PI = PINE
RT = RAIN TREE
SB = SUGARBERRY
SG = SWEETGUM



TOPOGRAPHIC SURVEY SHEET KEY



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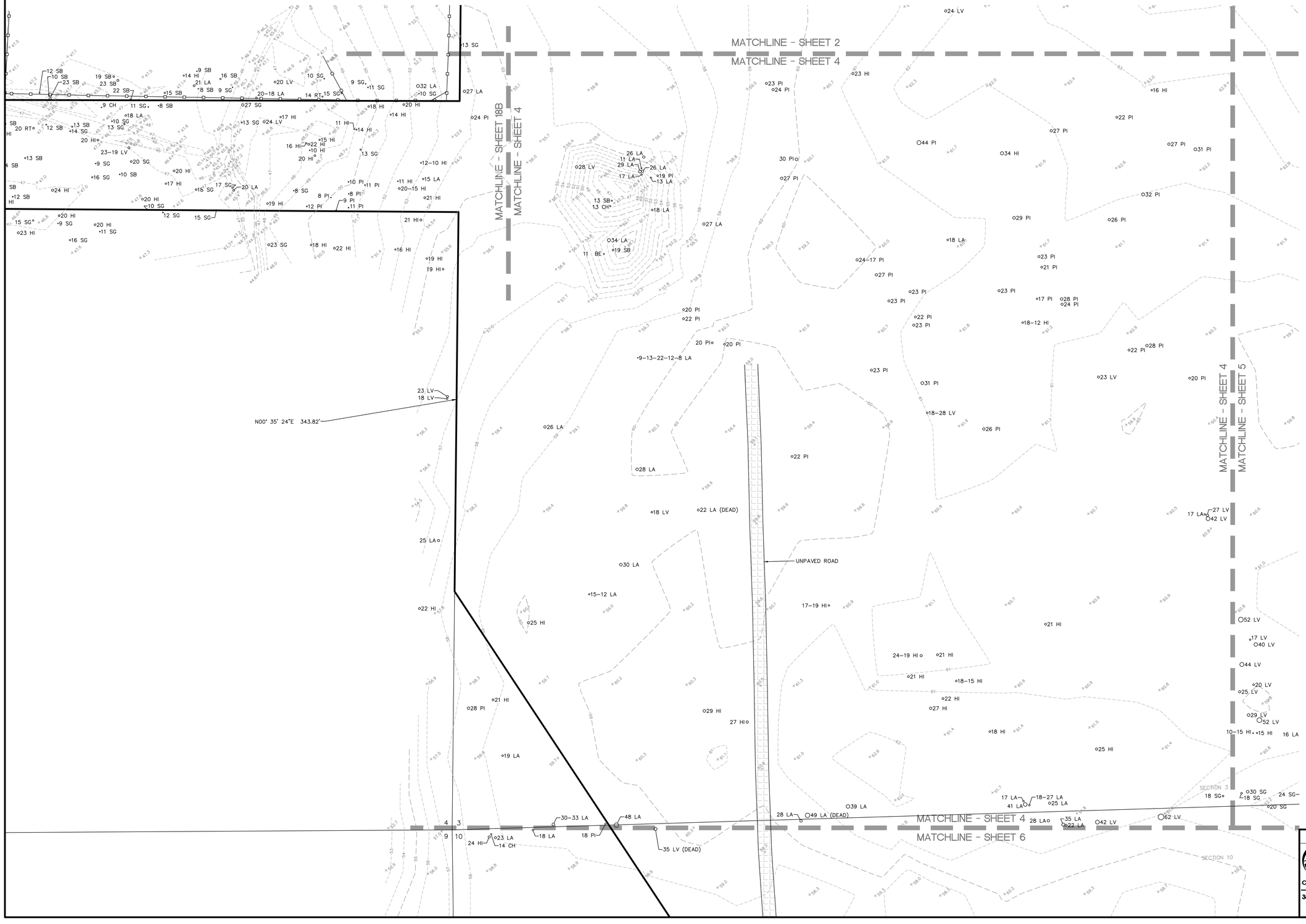
Scale:	1"=40'
Proj. No.	398-19-03
Drawn:	T.Hensley
Checked:	T. Wright
Dwg. Name:	398-19-03-ST1
Dwg. Date:	4/30/2021
Field Book:	N/A
Pages:	N/A
Sheet:	V-03

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA



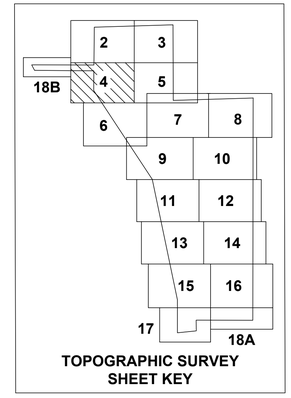
SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- TAX PARCEL LINE
- SECTION LINE
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES
- UNPAVED ROAD

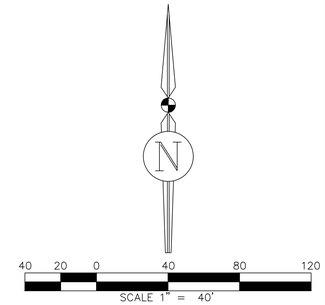
ABBREVIATIONS

TREES:

BE = BOXELDER
CH = CHERRY LAUREL
HI = HICKORY
LA = LAUREL OAK
LV = LIVE OAK
PI = PINE
SB = SUGARBERRY



TOPOGRAPHIC SURVEY
SHEET KEY



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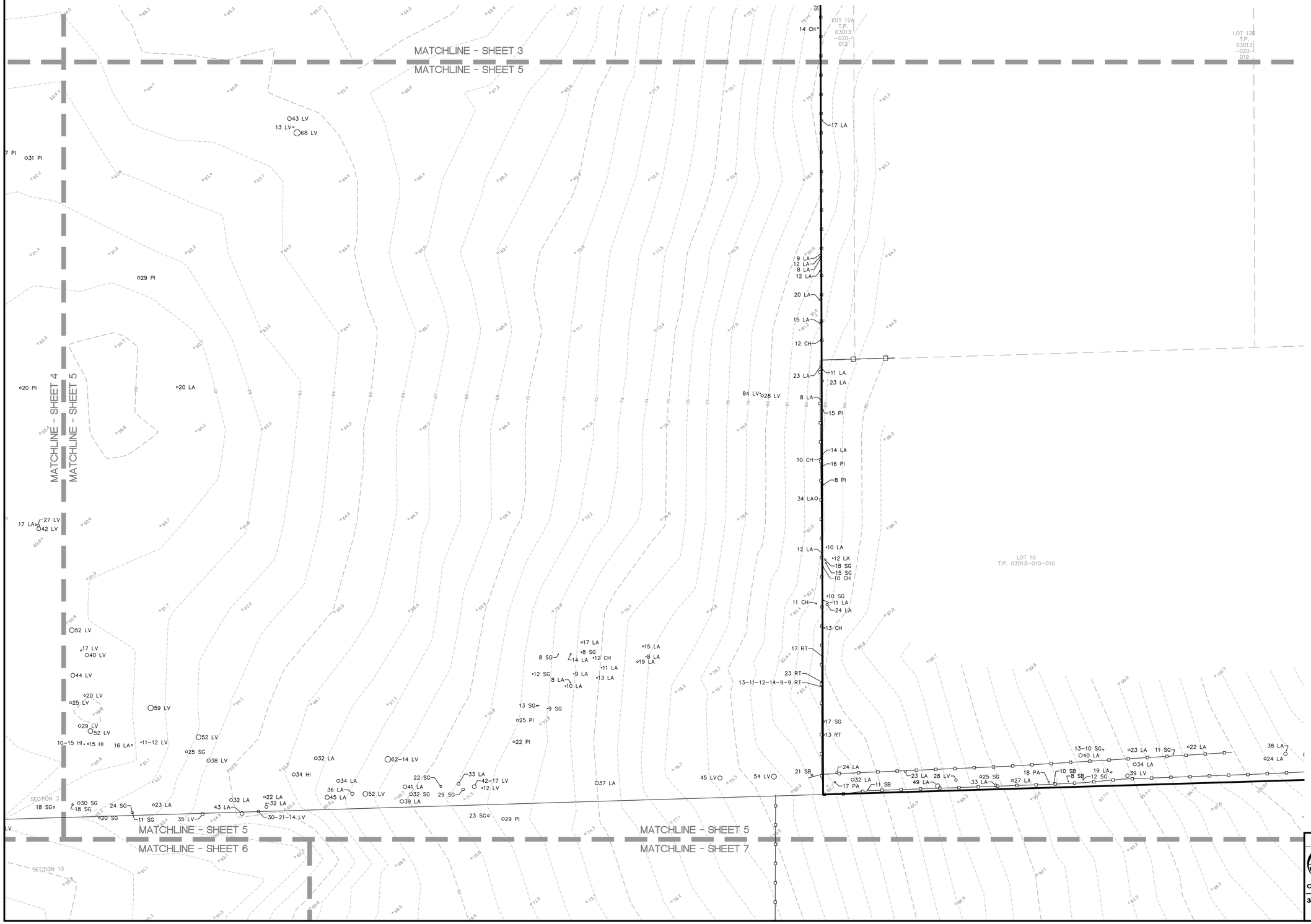
Drawn:	T.Hensley
Checked:	T. Wright
Dwg. Name:	398-19-03-ST1
Dwg. Date:	4/30/2021
Field Book:	N/A
Pages:	N/A
Sheet:	V-04

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA



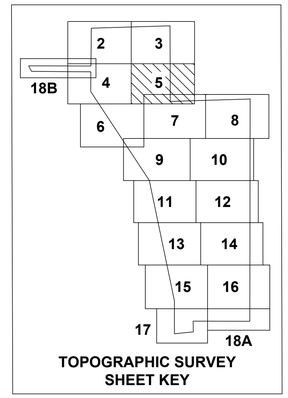
SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- TAX PARCEL LINE
- SECTION LINE
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES

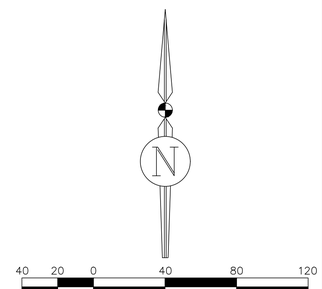
ABBREVIATIONS

TREES:

- CH = CHERRY LAUREL
- HI = HICKORY
- LA = LAUREL OAK
- LV = LIVE OAK
- PA = PALM
- PI = PINE
- RT = RAIN TREE
- SB = SUGARBERRY
- SG = SWEETGUM



TOPOGRAPHIC SURVEY SHEET KEY



NW US HWY 441
ALACHUA, FLORIDA

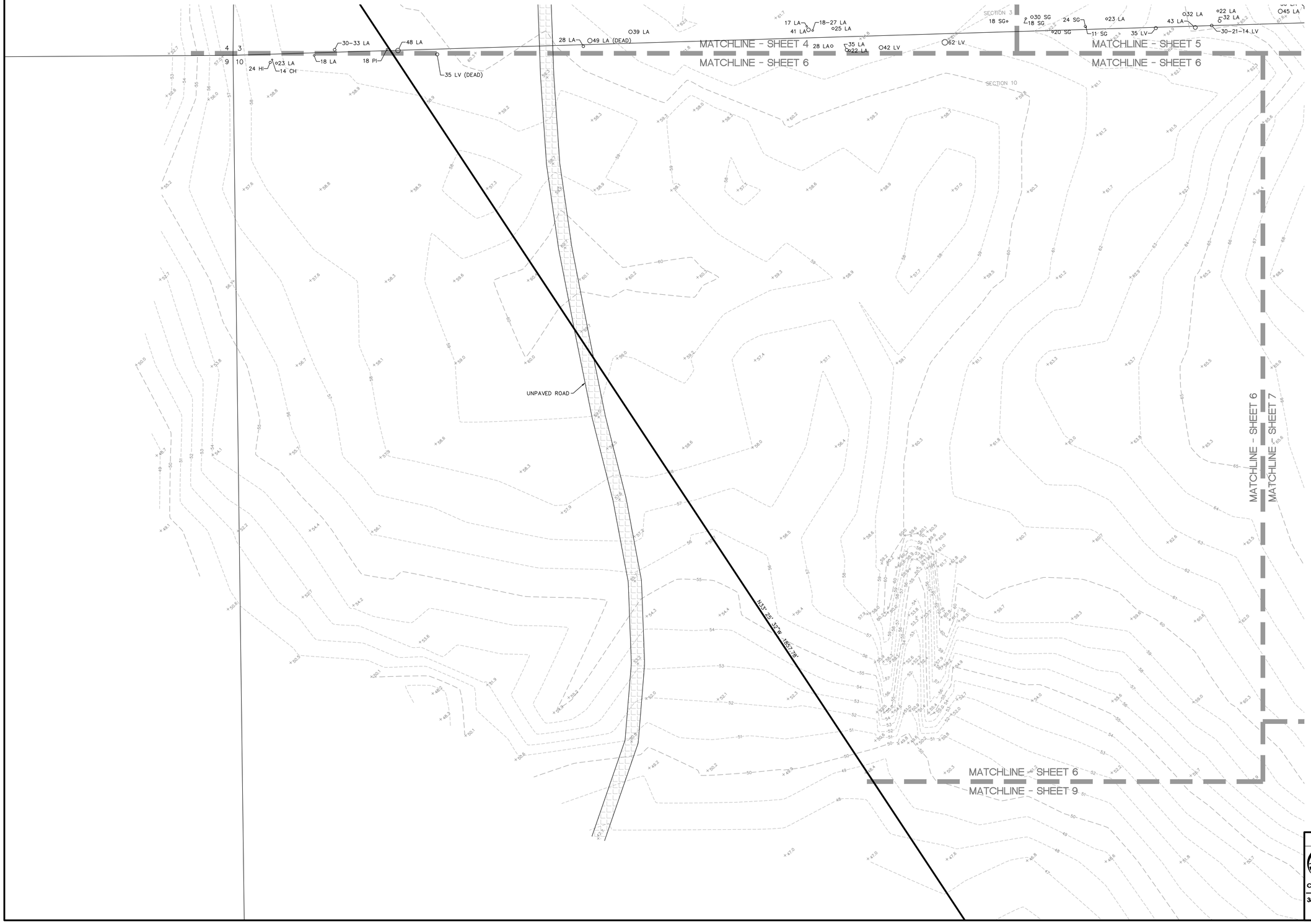
BOUNDARY & TOPOGRAPHIC SURVEY

JBrown Professional Group Inc
CIVIL ENGINEERING • LAND SURVEYING • PLANNING
3530 NW 43rd Street • Gainesville, Florida 32606
PHONE: (352) 375-8999 • FAX: (352) 375-0833
E-MAIL: contact@jbprogroup.com

Scale:	1"=40'
Proj. No.	398-19-03
Drawn:	T.Hensley
Checked:	T. Wright
Dwg. Name:	398-19-03-ST1
Dwg. Date:	4/30/2021
Field Book:	N/A
Pages:	N/A
Sheet:	V-05

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA



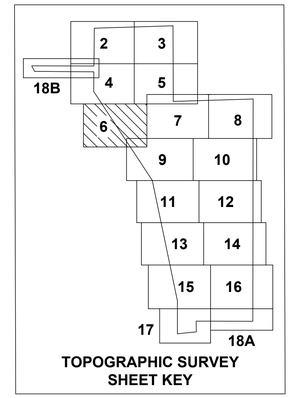
SYMBOL LEGEND

- BOUNDARY LINE
- SECTION LINE
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES
- UNPAVED ROAD

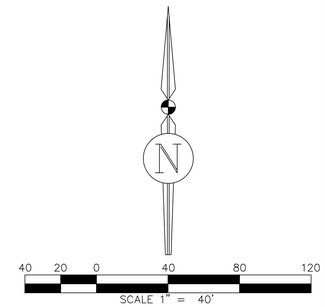
ABBREVIATIONS

TREES:

- CH = CHERRY LAUREL
- HI = HICKORY
- LA = LAUREL OAK
- LV = LIVE OAK
- PI = PINE



TOPOGRAPHIC SURVEY
SHEET KEY



NW US HWY 441
ALACHUA, FLORIDA

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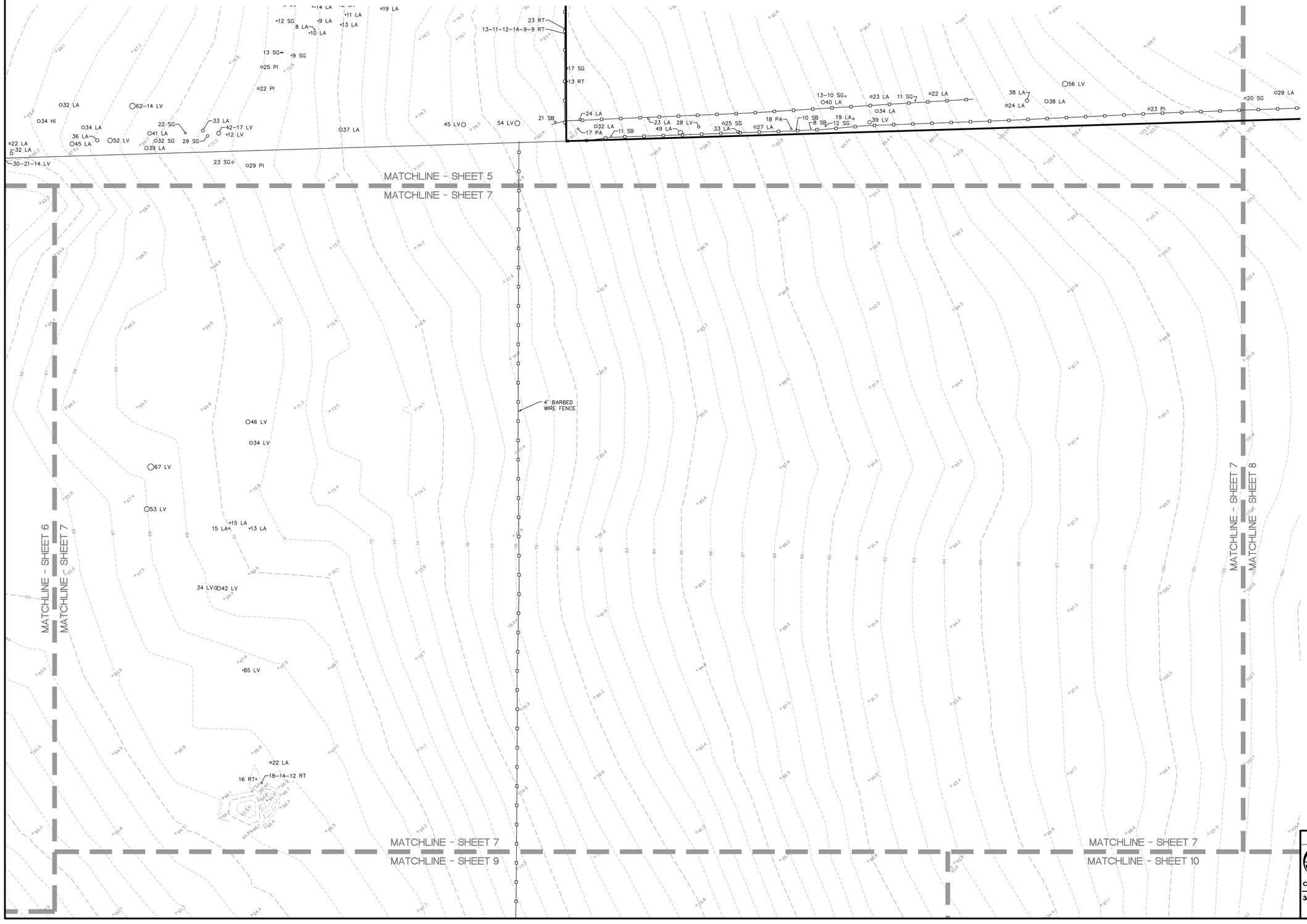
Pages:	N/A
Sheet:	V-06

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA



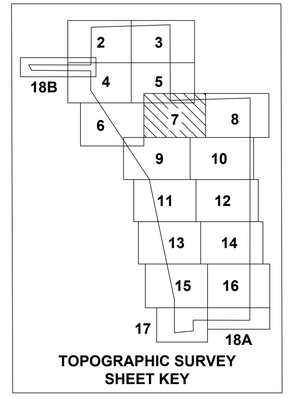
SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- SECTION LINE
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES
- UNPAVED ROAD

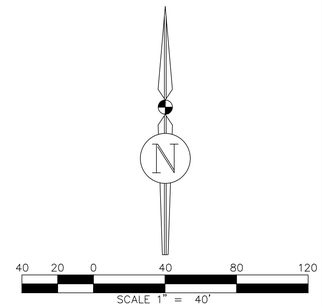
ABBREVIATIONS

TREES:

- LA = LAUREL OAK
- LV = LIVE OAK
- PA = PALM
- RT = RAIN TREE
- SG = SWEETGUM



TOPOGRAPHIC SURVEY
SHEET KEY



NW US HWY 441
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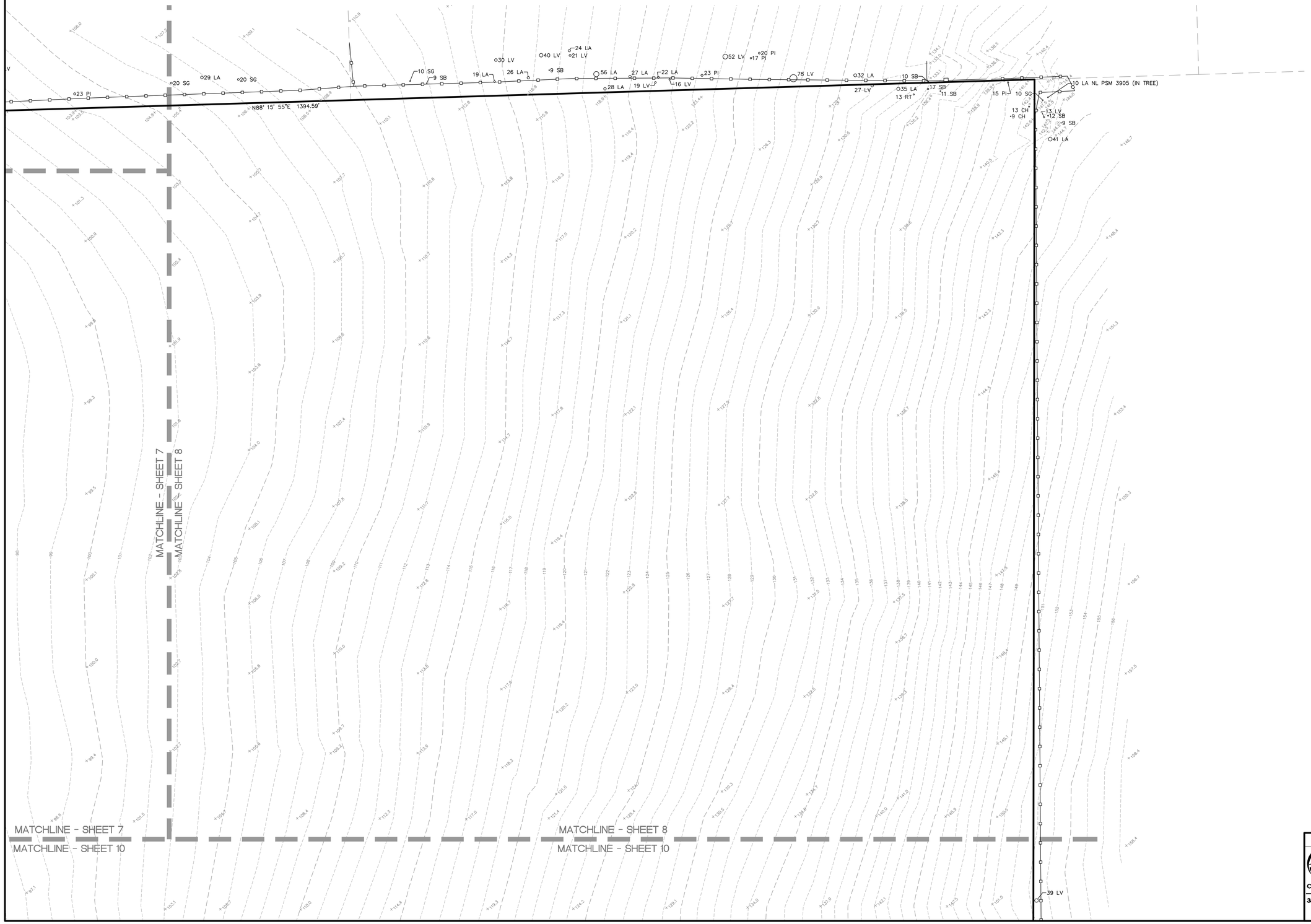
Pages:	N/A
Sheet:	V-07

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA



SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- TAX PARCEL LINE
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES
- UNPAVED ROAD

ABBREVIATIONS

TREES:

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- LA = LAUREL OAK
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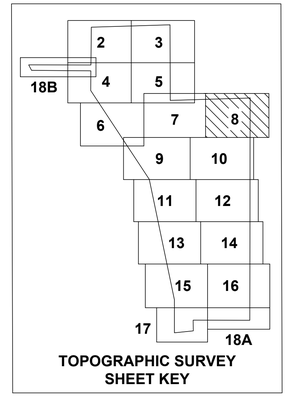
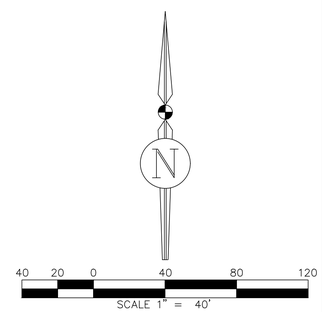
- SB = SUGARBERRY
- SG = SWEETGUM



TOPOGRAPHIC SURVEY
SHEET KEY



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Pages:	N/A
Sheet:	V-08

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA

MATCHLINE - SHEET 6
MATCHLINE - SHEET 9

MATCHLINE - SHEET 7
MATCHLINE - SHEET 9

GATE

4' BARBED WIRE FENCE

EDGE OF WATER

MATCHLINE - SHEET 9
MATCHLINE - SHEET 10

MATCHLINE - SHEET 9
MATCHLINE - SHEET 11

69 LV
13 LA
13 LA
69 LV
25 RT
29 LA
49 LV
15 RT
16 RT
60 LV
23 PI
28 PI
24 LV
29 LV
27 LV
16 SB
22 LV
34 LV
22 SG
25 LV

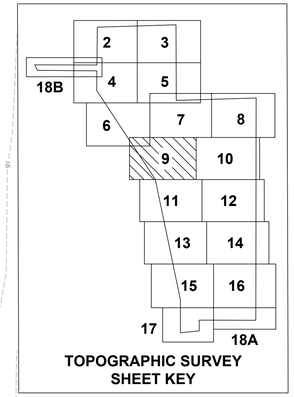
SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- EDGE OF WATER
- WETLAND FLAG
- 9 SYC — TREE-SIZE (INCHES) AND SPECIES
- 132.2 — SPOT ELEVATION - SOFT SURFACE
- 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES

ABBREVIATIONS

TREES:

- LA = LAUREL OAK
- LV = LIVE OAK
- PI = PINE
- RT = RAIN TREE
- SB = SUGARBERRY
- SG = SWEETGUM



TOPOGRAPHIC SURVEY
SHEET KEY

N

40 20 0 40 80 120

SCALE 1" = 40'

NW US HWY 441
ALACHUA, FLORIDA

BOUNDARY & TOPOGRAPHIC SURVEY

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Pages:	N/A
Sheet:	V-09

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA

MATCHLINE - SHEET 7
MATCHLINE - SHEET 10

MATCHLINE - SHEET 8
MATCHLINE - SHEET 10

MATCHLINE - SHEET 9
MATCHLINE - SHEET 10

MATCHLINE - SHEET 10
MATCHLINE - SHEET 12

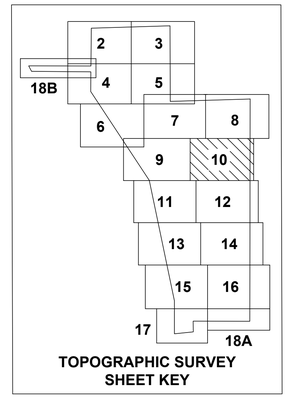
SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES

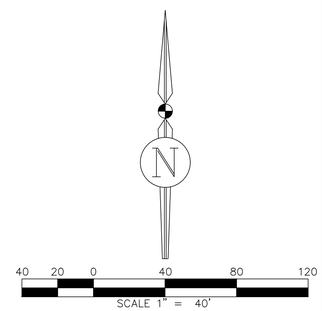
ABBREVIATIONS

TREES:

- CH = CHERRY LAUREL
- LA = LAUREL OAK
- LV = LIVE OAK
- PI = PINE
- RT = RAIN TREE
- SB = SUGARBERRY
- SG = SWEETGUM
- WO = WATER OAK



TOPOGRAPHIC SURVEY
SHEET KEY



NW US HWY 441
ALACHUA, FLORIDA

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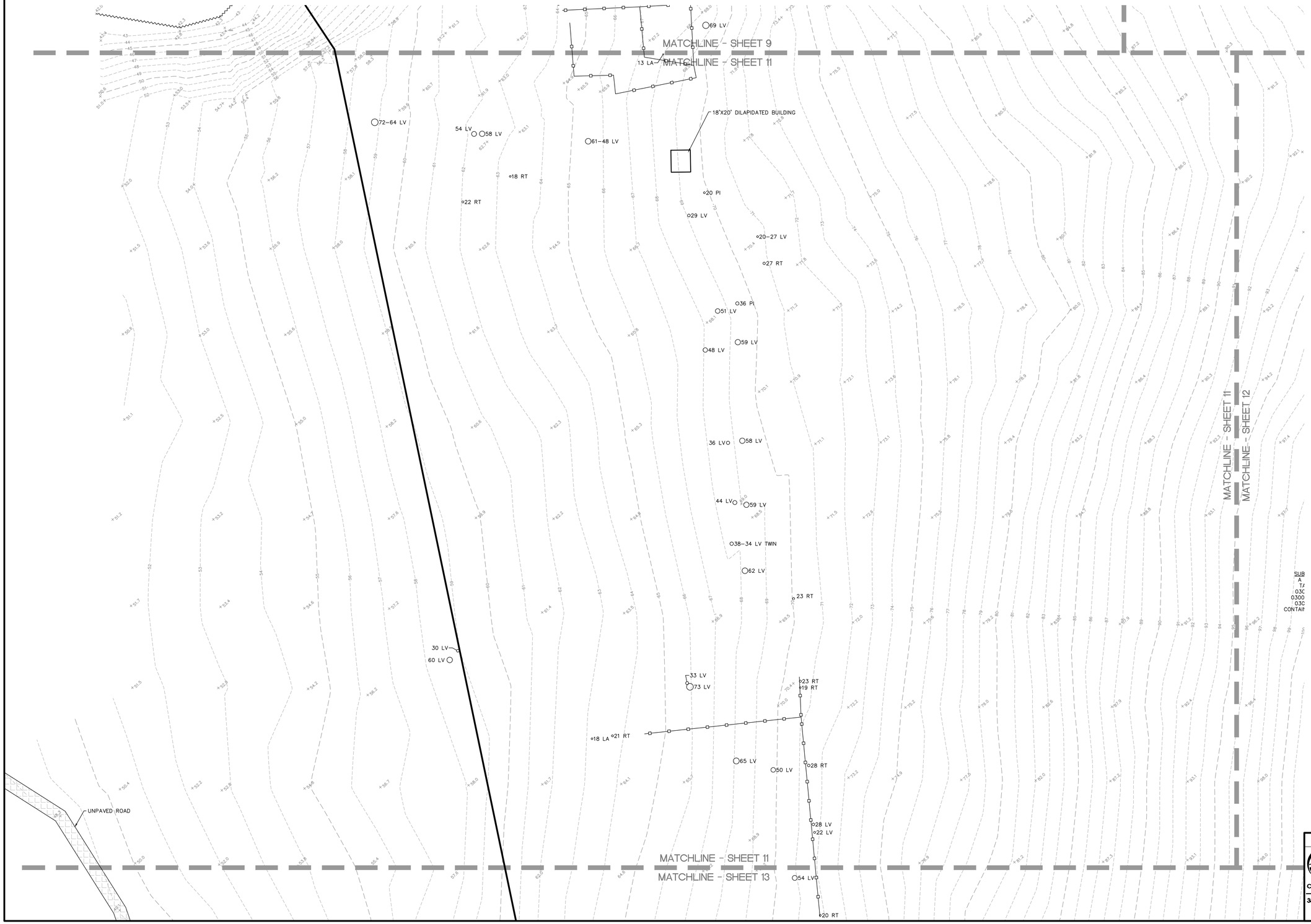
BOUNDARY & TOPOGRAPHIC SURVEY	
Scale:	1"=40'
Proj. No.	398-19-03
Drawn:	T.Hensley
Checked:	T. Wright
Dwg. Name:	398-19-03-ST1
Dwg. Date:	4/30/2021
Field Book:	N/A
Pages:	N/A
Sheet:	V-10

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA



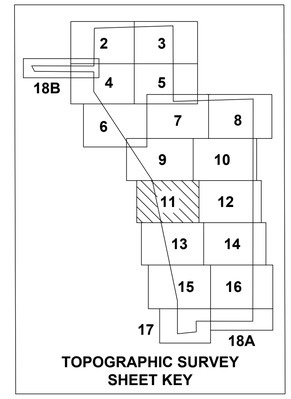
SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- EDGE OF WATER
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES
- UNPAVED ROAD

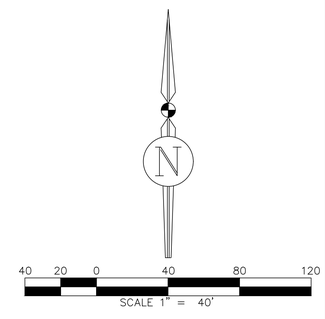
ABBREVIATIONS

TREES:

- LA = LAUREL OAK
- LV = LIVE OAK
- PI = PINE
- RT = RAIN TREE
- TWIN = TWIN TRUNK



TOPOGRAPHIC SURVEY
SHEET KEY



NW US HWY 441
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Field Book:	N/A
Pages:	N/A
Sheet:	V-11

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA

MATCHLINE - SHEET 10

MATCHLINE - SHEET 12

MATCHLINE - SHEET 11

MATCHLINE - SHEET 12

SUBJECT PARCEL
A PORTION OF
TAX PARCELS
03067-001-000
03008-000-000 &
03020-000-000
CONTAINING 200.68 AC±

S00° 04' 47"W 3879.44'

36 LA
9 SB
10 SB
11 SB
81 LV
11 LA
11 RT
25 LA
15 RT
22 RT
38 LA
12 LV
11 RT
41 LA
28 LA
74 LV
45 LA
59 LA
29 LA
17 LA
40 LV
48 LV
18 LA
51 LA
17 LA
43 LA
32 LA
17 LA
14 LA
38 LA
29-25 LA
33 LA
18 LA
18 LA
16 LA
19 SG
21 LA
25 LA
27 LA
19 LA
40 LA
22 LA
65 LV
15 LA
21 LV
30 LV
13 LA
21 LV
35 LV
42 LA
9 LA DEAD
10 LV
32 LV
30 LA
42 LA
16 SG
16 SG

MATCHLINE - SHEET 12

MATCHLINE - SHEET 14

SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES

ABBREVIATIONS

TREES:

- LA = LAUREL OAK
- LV = LIVE OAK
- RT = RAIN TREE
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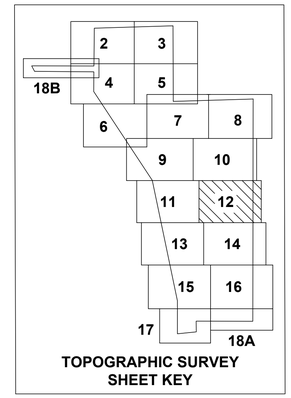
- SG = SWEETGUM



TOPOGRAPHIC SURVEY
SHEET KEY

N

40 20 0 40 80 120

SCALE 1" = 40'

NW US HWY 441
ALACHUA, FLORIDA

BOUNDARY & TOPOGRAPHIC SURVEY

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Sheet:	V-12

BOUNDARY & TOPOGRAPHIC SURVEY

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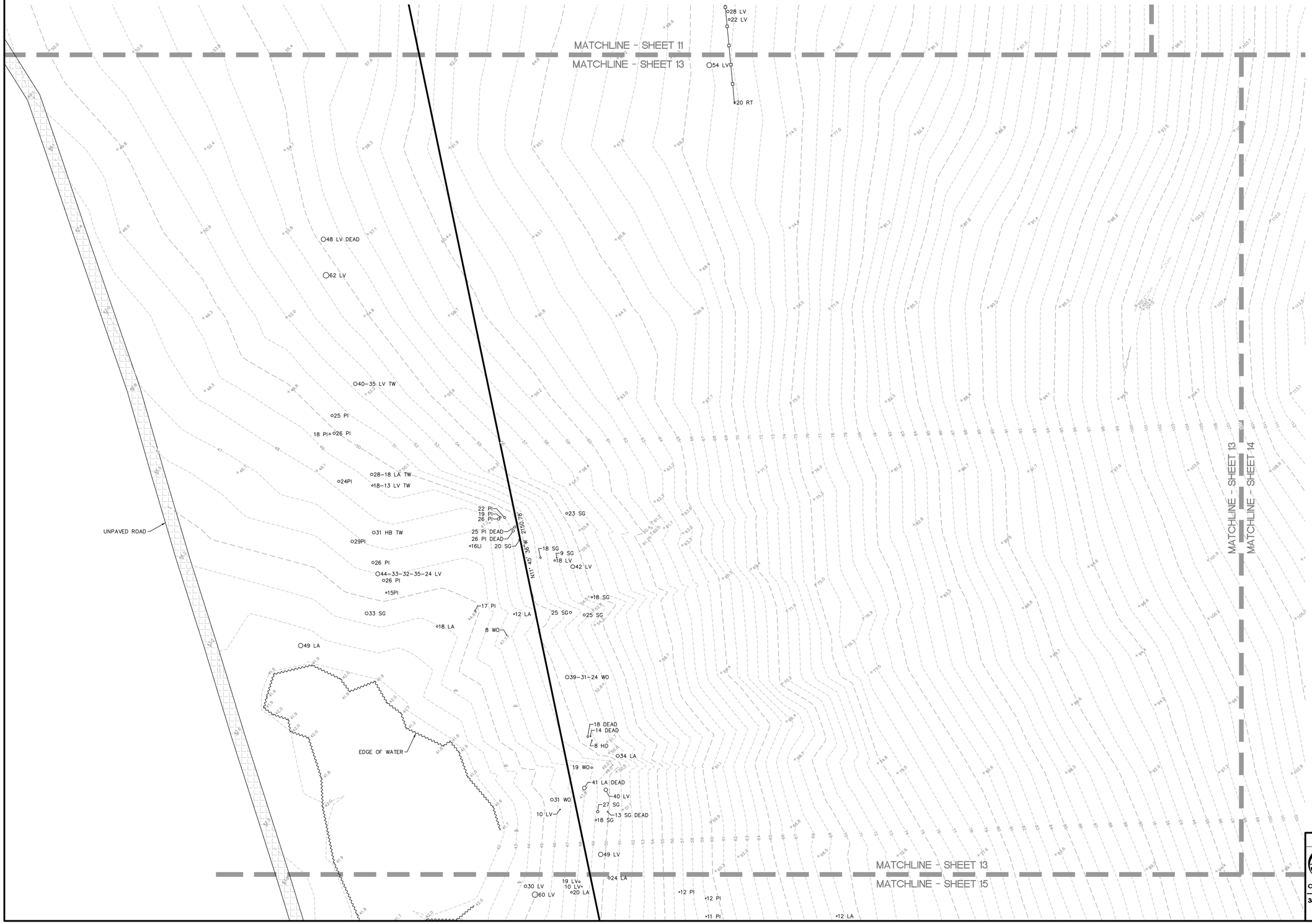


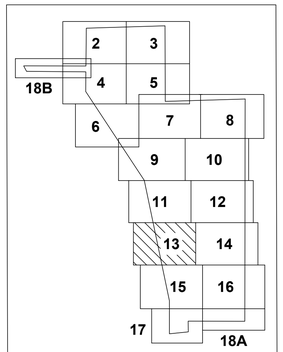
SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- EDGE OF WATER
- WETLAND FLAG
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES
- UNPAVED ROAD

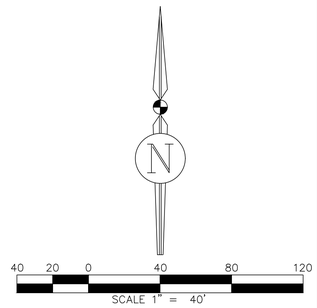
ABBREVIATIONS

TREES:

- HO = HOLLY
- LA = LAUREL OAK
- LV = LIVE OAK
- PI = PINE
- RT = RAIN TREE
- SG = SWEETGUM
- TW = TWIN TRUNK
- WO = WATER OAK



TOPOGRAPHIC SURVEY
SHEET KEY



NW US HWY 441
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BOUNDARY & TOPOGRAPHIC SURVEY

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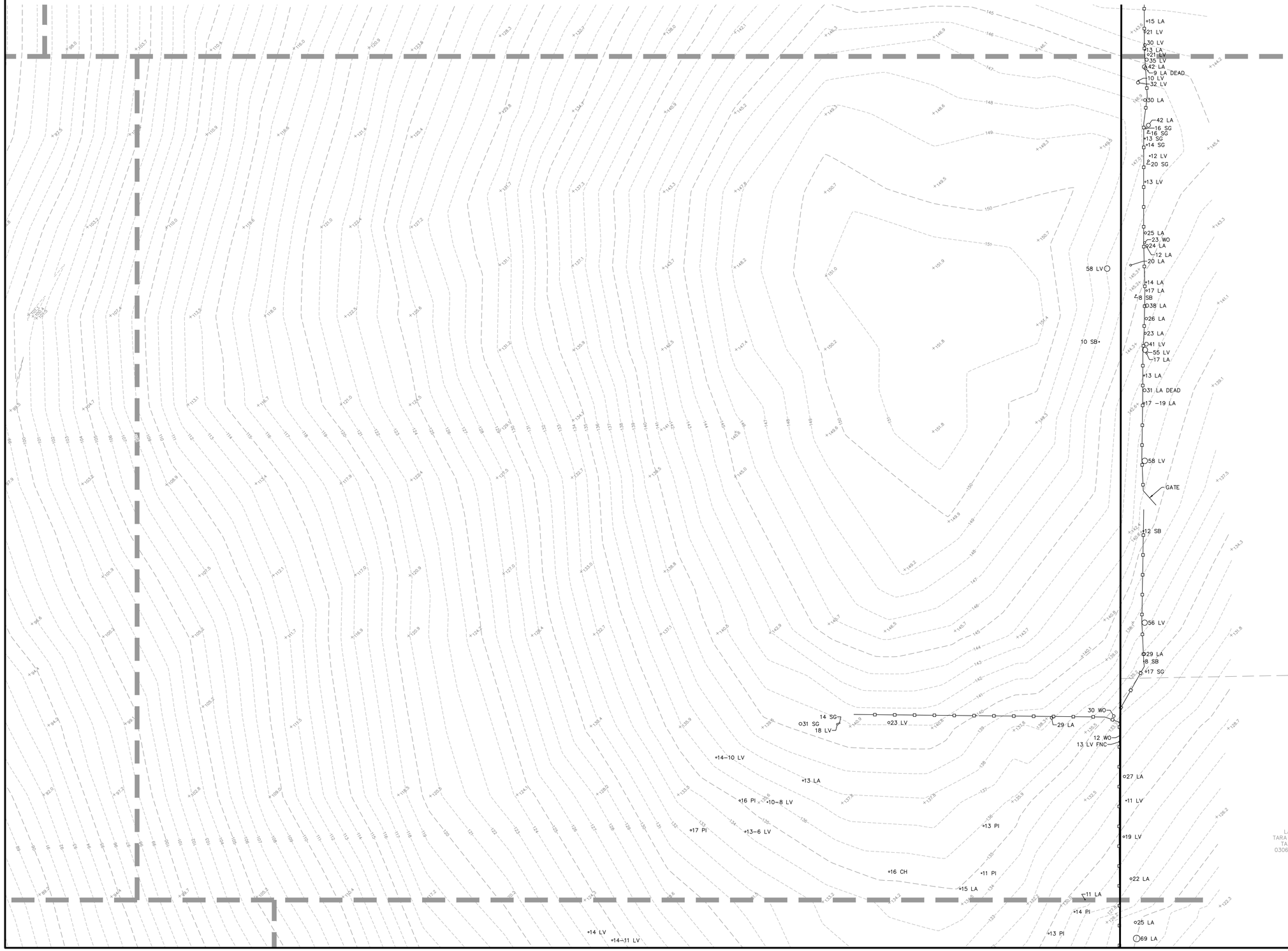

SYMBOL LEGEND

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- FENCE LINE
- TAX PARCEL LINE
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
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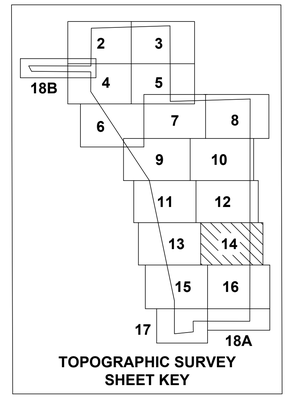
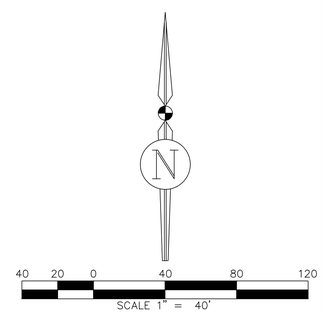


TOPOGRAPHIC SURVEY
SHEET KEY



LANDS OF
TARA FOREST LLC
TAX PARCEL
03067-000-000

NW US HWY 441
ALACHUA, FLORIDA

BOUNDARY & TOPOGRAPHIC SURVEY

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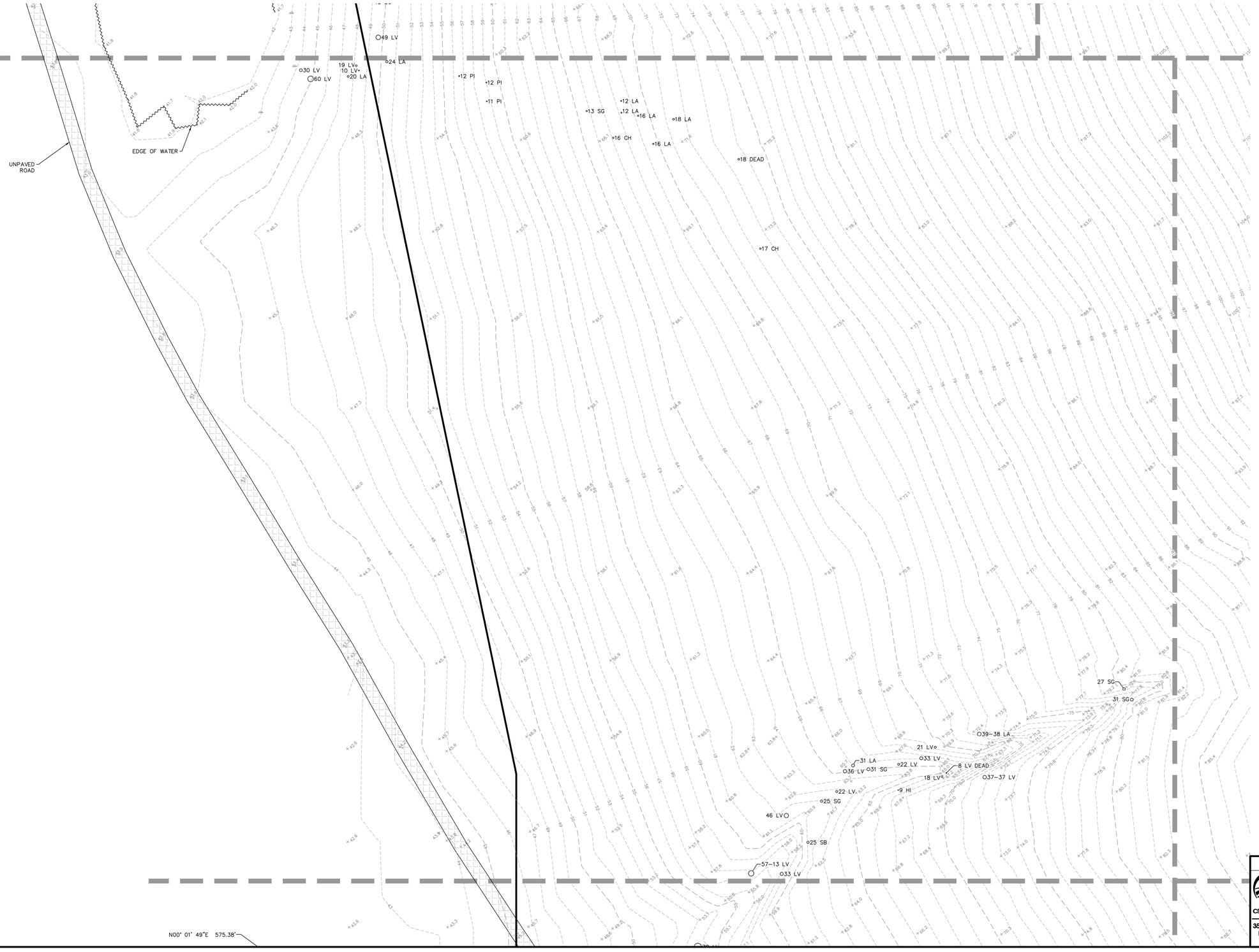
Field Book:	N/A
Pages:	N/A
Sheet:	V-14

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA



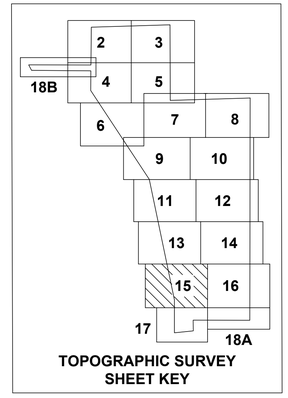
SYMBOL LEGEND

- BOUNDARY LINE
- EDGE OF WATER
- WETLAND FLAG
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES
- UNPAVED ROAD

ABBREVIATIONS

TREES:

- CH = CHERRY LAUREL
- DEAD = DEAD TREE
- LA = LAUREL OAK
- LV = LIVE OAK
- PI = PINE
- SG = SWEETGUM



TOPOGRAPHIC SURVEY SHEET KEY

N

40 20 0 40 80 120

SCALE 1" = 40'

NW US HWY 441
ALACHUA, FLORIDA

BOUNDARY & TOPOGRAPHIC SURVEY

JBrown Professional Group Inc
CIVIL ENGINEERING • LAND SURVEYING • PLANNING
3530 NW 43rd Street • Gainesville, Florida 32606
PHONE: (352) 375-8999 • FAX: (352) 375-0833
E-MAIL: contact@jbprogroup.com

Scale:	1"=40'
Proj. No.	398-19-03
Drawn:	T.Hensley
Checked:	T. Wright
Dwg. Name:	398-19-03-ST1
Dwg. Date:	4/30/2021
Field Book:	N/A
Pages:	N/A
Sheet:	V-15

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA

03067-000-000

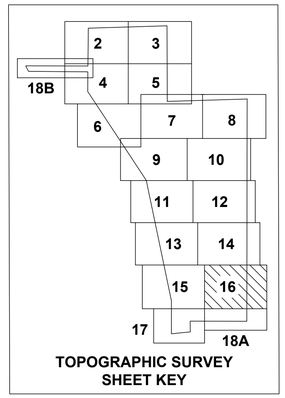
SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- TAX PARCEL LINE
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES

ABBREVIATIONS

TREES:

- CH = CHERRY LAUREL
- DEAD = DEAD TREE
- LA = LAUREL OAK
- LV = LIVE OAK
- PI = PINE
- SB = SUGARBERRY
- SG = SWEETGUM
- SO = SHUMARD OAK
- UNK = UNKNOWN
- WA = WHITE ASH
- WO = WATER OAK



TOPOGRAPHIC SURVEY
SHEET KEY

LANDS OF
TARA BAYWOOD LLC
TAX PARCEL
03067-063-000

40 20 0 40 80 120

SCALE 1" = 40'

NW US HWY 441
ALACHUA, FLORIDA

BOUNDARY & TOPOGRAPHIC SURVEY

JBrown Professional Group Inc
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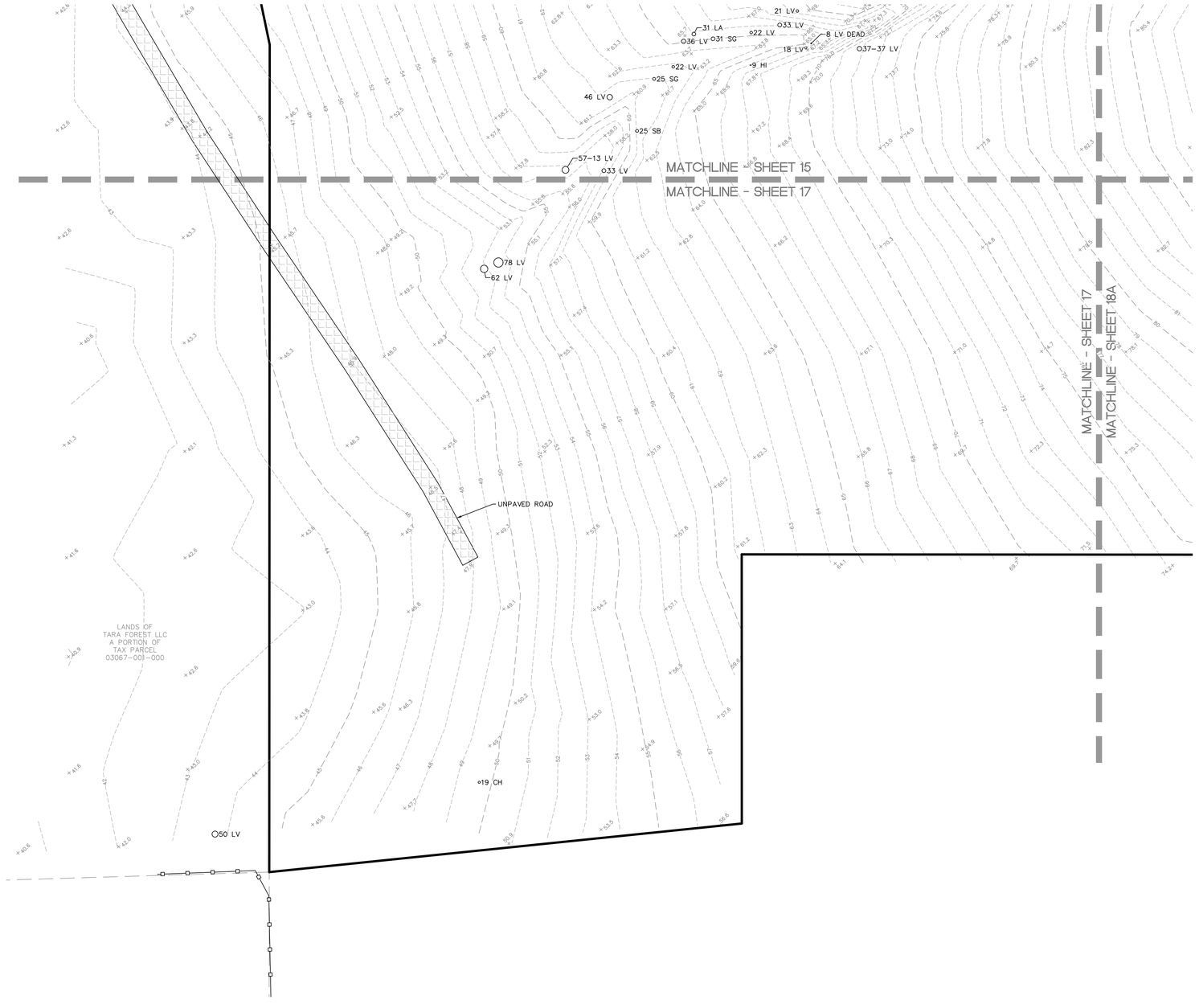
Pages:	N/A
Sheet:	V-16

BOUNDARY & TOPOGRAPHIC SURVEY

IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA



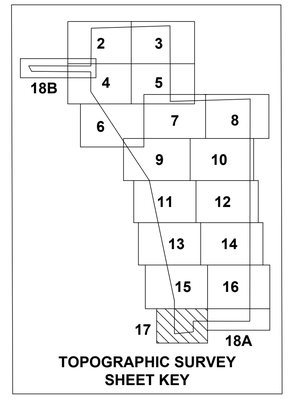
SYMBOL LEGEND

- BOUNDARY LINE
- FENCE LINE
- TAX PARCEL LINE
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES
- UNPAVED ROAD

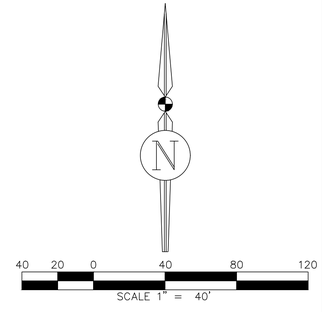
ABBREVIATIONS

TREES:

- CH = CHERRY LAUREL
- DEAD = DEAD TREE
- HI = HICKORY
- LA = LAUREL OAK
- LV = LIVE OAK
- SB = SUGARBERRY
- SG = SWEETGUM



TOPOGRAPHIC SURVEY
SHEET KEY



NW US HWY 441
ALACHUA, FLORIDA

BOUNDARY & TOPOGRAPHIC SURVEY

JBrown Professional Group Inc
CIVIL ENGINEERING • LAND SURVEYING • PLANNING
3530 NW 43rd Street • Gainesville, Florida 32606
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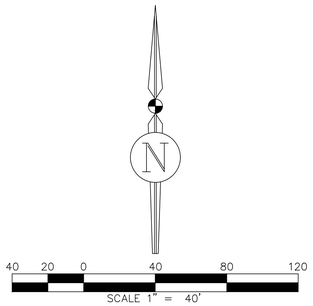
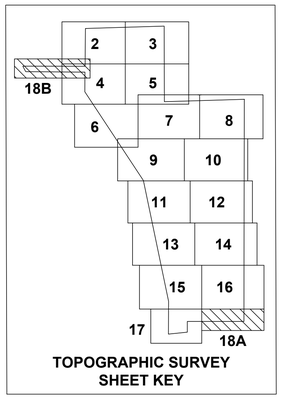
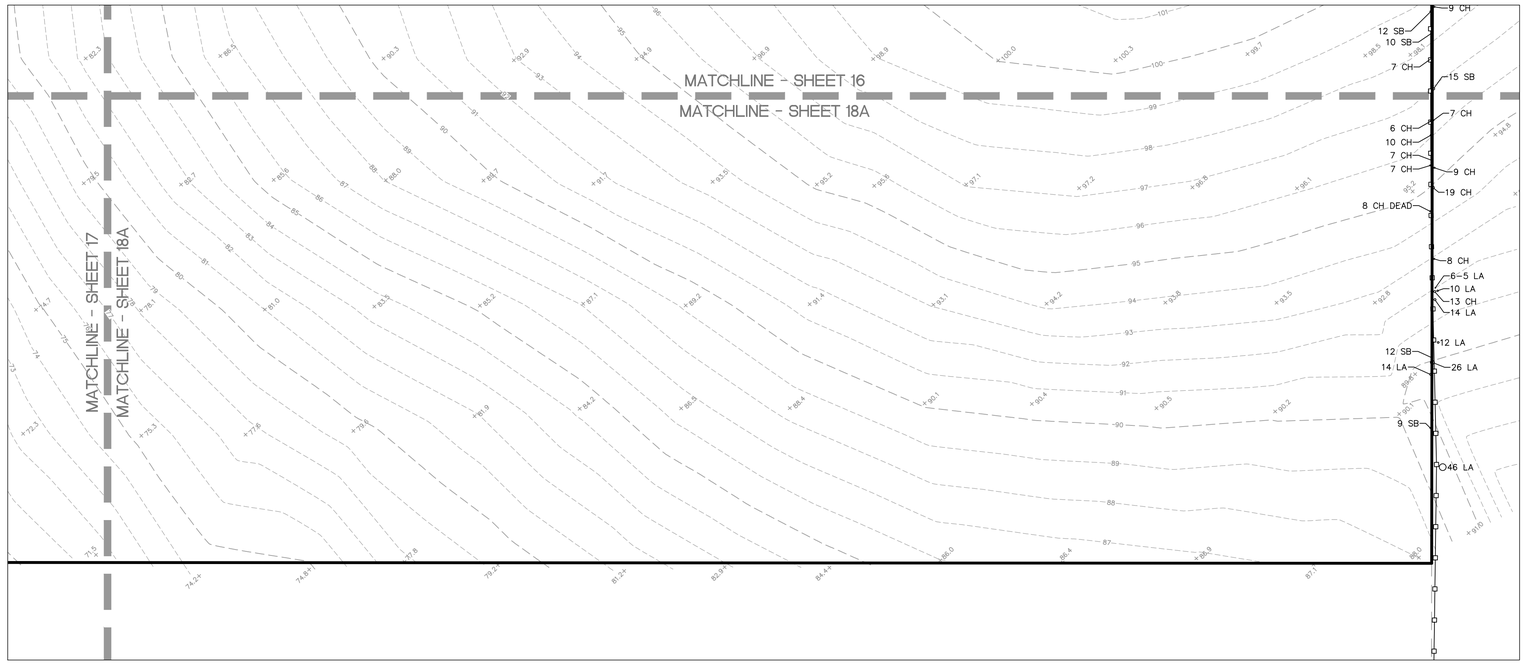
IN SECTIONS 3, 4 & 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA





TOPOGRAPHIC SURVEY SHEET KEY



SYMBOL LEGEND

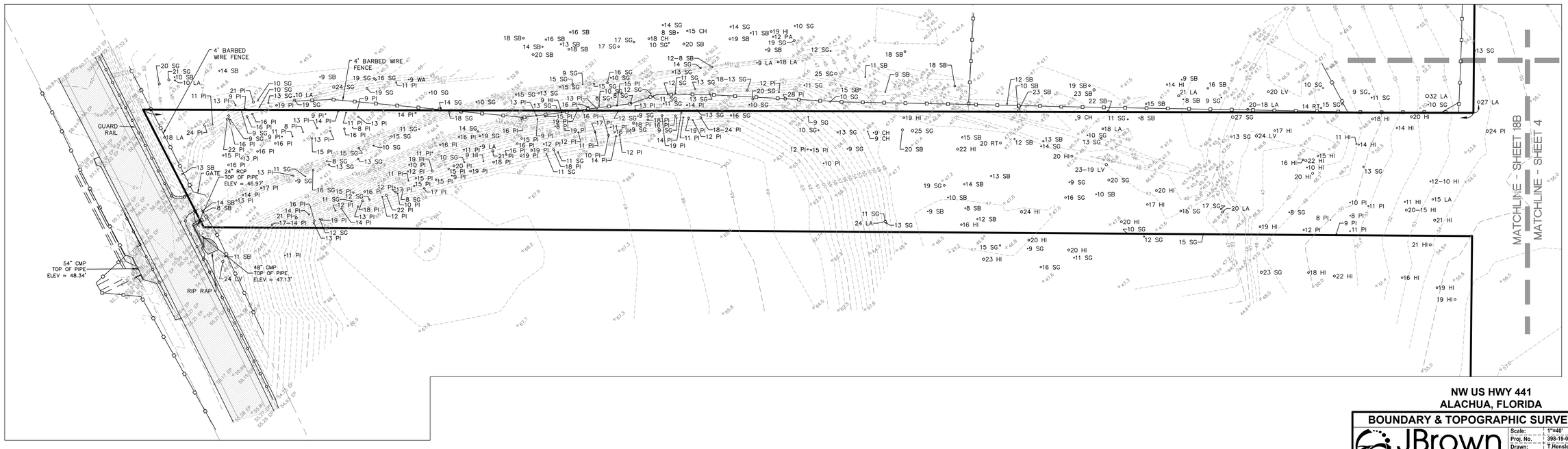
- BOUNDARY LINE
- FENCE LINE
- GUARD RAIL
- TAX PARCEL LINE
- RIGHT-OF-WAY LINE
- 9 SYC — TREE-SIZE(INCHES) AND SPECIES
- × 132.2 — SPOT ELEVATION - SOFT SURFACE
- × 132.21 — SPOT ELEVATION - HARD SURFACE
- 150 — CONTOUR LINES
- ASPHALT SURFACE
- CONCRETE SURFACE
- RIP RAP

ABBREVIATIONS

CMP = CORRUGATED METAL PIPE
ELEV = ELEVATION
INV = INVERT
R/W = RIGHT-OF-WAY
RCP = REINFORCED CONCRETE PIPE

TREES:

- CH = CHERRY LAUREL
- DEAD = DEAD TREE
- HI = HICKORY
- LA = LAUREL OAK
- LV = LIVE OAK
- PI = PINE
- RT = RAIN TREE
- SB = SUGARBERRY
- SG = SWEETGUM
- WA = WHITE ASH



NW US HWY 441
ALACHUA, FLORIDA

BOUNDARY & TOPOGRAPHIC SURVEY

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Gainesville
3530 NW 43rd Street
Gainesville, FL 32606
St. Augustine
4420 US-1 S, Suite 1
St. Augustine, FL 32086
jbpro.com
(844) Go-JBPro
contact@jbpro.com

May 30, 2024

Mr. Adam Hall, AICP
Planner
City of Alachua
15100 NW 142 Terrace
Alachua, FL 32615

RE: Tara Forest West Preliminary Plat

Hello Adam,

Please find attached a resubmittal package for Tara Forest West Preliminary Plat. The property consists of Alachua County Parcel Numbers 03067-001-000, 0320-000-000 and 03008-000-00, and is 198.39 acres total. This resubmittal package is provided to address comments provided by the City of Alachua via email on May 23, 2024. Included in this submittal package are hard copies of the following:

- Revised Preliminary Plat (7 copies)
- Zoning Districts Exhibit
- Complete Application Package (2 copies)

Please find below responses to the comments for the above referenced project. The comments have been replicated below followed by responses in bold.

Deficiencies to be addressed:

E. Outside Review
   a. Address all comments issued by Brian Kanely, PE of Volkert, Inc. in his letter submitted May 12, 2024 and attached to this letter. These comments have also been provided to Hagen Consulting Services, LLC separately.
   Response: So noted.

G. Informational
   a. If any development is proposed to take place within a Special Flood Hazard Area, base flood elevations will be required to be established in accordance with Section 6.9.4(E)(1)(b) at time of Construction Plan application.
   Response: So noted.

   b. Conditions will be proposed as part of any recommended approval. Subject to change, draft conditions can be found below:
      i. Prior to Issuance of a Certificate of Completion for Improvements for Phase 1 of the Tara Forest West subdivision, an improved roadway connection to US Highway 441 through the project currently known as Tara Phoenicia shall be completed.
      ii. Concurrent with the submittal of any application for construction plans that include Phase 4, a revised traffic impact analysis report shall be provided to the City for review. The developer shall make any improvements required, at Developer's expense, associated with the proportionate share of any deficiencies identified in the revised traffic impact analysis.
      iii. Prior to the Issuance of a Certificate of Completion for Improvements for Phase 4 of the Tara Forest West subdivision, a second connection to US Highway 441 through the project currently known as Tara Phoenicia shall be made.
      iv. Traffic calming measures shall be provided approximately every 500 feet and at connections to existing or approved subdivisions. Traffic calming measures include, but

are not limited to, traffic islands, speed humps, speed bumps, speed tables, or 4 way controlled intersections.

v. A 100% gopher tortoise survey shall be completed for any area subject to development in any final plat submitted. The survey shall be valid for a period of three years from date of report and must include a list of all local, state and federal permits required for relocation of any gopher tortoises encountered on site.

vi. Modifications to these conditions shall only be done in accordance with the original preliminary plat approval process.

NEW COMMENT: Zoning Exhibit cites Future Land Use Amendment Ordinance and displays Future Land Use Designations. Please see attached Ordinance and revise zoning exhibit accordingly.
Response: So noted. The Zoning Districts Exhibit has been revised according to the information provided in the City of Alachua Ordinance 10-23.

Volkert, Inc. Comments

Traffic Impact Study Items

1. Include the necessary statements and drawings in the Study that document the following:
   a. All traffic that exits the project east connection and is headed east on US 441 has to first travel west on US 441 to the next available median opening and then make a U turn at that median opening to head east.
   b. The existing median opening on US 441 just west of the proposed east connection will be closed.
   c. The U-turn maneuver will occur at the second existing median opening that is west of the proposed east connection. This median opening is also the general location of the proposed Peggy Road signalized intersection on US 441.
   Response: All the requested statements are now included in the report. The drawings also have been updated to reflect these statements.

2. Perform an analysis of the AM peak hour traffic conditions for Stage 1.
   a. Determine the AM peak hour Level of Service at the proposed directional median opening on US 441 that aligns with the project east connection.
   b. Determine the length of the left turn lanes at the proposed directional median opening on US 441 at the project east connection. Turn lane lengths should be based on the expected queue length and standard deceleration taper length.
   Response: AM Peak Hour analysis is included in the report. Left turn and right turn lengths have been identified in accordance with FDOT standards.

3. At the median opening on US 441 where project traffic that has exited the east connection and has to make a U-turn to head east on US 441 (toward Gainesville) perform the following:
   a. Determine the length of the left turn lane needed to accommodate the U-turn maneuver in the AM peak hour {this is the longest queue anticipated for this left turn lane). Will this require that the existing left turn lane be extended, and if yes, by how much?
   b. What is the length of the left turn lane and standard deceleration taper?
   c. The left turn lane design has to satisfy the appropriate FDOT design standards.
   d. How was the traffic distribution determined for the AM and PM U-turn traffic at the median opening west of the east connection? To be conservative, all project traffic is assumed to use the east connection.
   Response: For the U-turn location the length of left turn lane needed is identified in the report. The existing left turn lane is adequate to accommodate the expected demands for Stage 1. The traffic distribution was determined based on the projected US 441 traffic demands in both the AM and PM periods. The proportion of U-turning traffic that exits Tara Forest West is based on the proportion of EB traffic to total (EB + WB) traffic. Thus the AM Peak has a higher proportion

of U-turns than the PM Peak since the AM Peak traffic is heavier EB and the PM Peak traffic is heavier WB.

4. A discussion is required on FDOT access management median opening spacing standards on US 441 for Stage 1. Does the project access management plan satisfy the appropriate FDOT design standards?
   Response: Access Management discussion is now added to the TIS. The project access management plan does not meet the appropriate FDOT design standards, but is close. It is assumed that as this area develops and becomes more urbanized that the access classification may change from Class 3 to Class 5.

5. For the proposed westbound right turn lane on US 441 at the east connection, what is the length of the right turn lane and deceleration taper. Use the criteria from the FDOT Multimodal Access Management Guidebook.
   Response: The length of the right turn lane is now identified in the report. The taper would use the FDOT standard 50' taper. The right turn lane justification was conducted using the NCHRP procedures identified in the FDOT Multimodal Access Management Guidebook.

6. For reference, include the previous Buckholz Traffic Study in the Study Appendix.
   Response: The previous Buckholz Traffic Study is included in the Appendix.

<u>Information to be Included in Drawings added to the Traffic Impact Study Update</u>

1. A drawing showing how the three project roads at the south end of the project become one road and form the single project road at the east connection.
   Response: The Master Phasing Plan has been updated to show the three project roads coming together to form the single project connection at the east connection location for Stage 1.

2. Project drawing(s) that includes the following:
   a. The section of US 441 between NW 147th Drive and April Blvd showing the existing median openings and distances between the median openings.
   b. Where the Stage 1 east connection intersects with US 441.
   c. Where NW 149th Terrace and NW 158th Lane intersect US 441, do these two streets align with the proposed directional median opening at the project east connection?
   d. The location on US 441 for the proposed Peggy Road Connector signalized intersection.
   Response: An Access Management drawing that shows these items has been added as Appendix D.

3. All drawings in the Study to be 8.5 x 11 inches.
   Response: The drawings in the study are 8.5 x 11 with the exception of the Master Phasing Plan which would be illegible at that size.

<u>Additional Information to be Included in the Study</u>

1. A list of the intersection and roadway modifications on US 441 should be included in the Conclusions and Recommendations section of the Study.
   Response: The intersection and roadway modifications on US 441 are included in the Conclusions and Recommendations section of the study.

2. US 441 has been field reviewed to guarantee that the roadway design modifications recommended in the Study can be constructed.
   Response: US 441 has been field reviewed and all of the identified design modifications should be constructable.

3. After an FDOT roadway connection permit has been approved and constructed, *it* can be difficult to modify it at a future time. The total access management plan for this project needs to be conceptually described for this project even though only Stage 1 *is* being reviewed for approval at this time.
   Response: Acknowledged. This is only for Stage 1, and the access management figure shows the anticipated access.

4. As the project is constructed in phases, *it* is possible that the U-turn movement at the median opening west of the east connection may become problematic with respect to traffic safety and/or capacity. Stage 2 may be required to construct innovative intersection and/or roadway designs on US 441 to address this situation. Innovative intersection and/or roadway designs may be more restrictive than a standard traffic signalized intersection. An Intersection Control Evaluation {ICE) would be required and would have to be included in any future traffic studies related to this project.
   Response: Acknowledged. Text has been added to the report reflecting potential for innovative intersection design for Stage 2 and the need for ICE analysis at that time.

5. The City of Alachua needs to closely coordinate this project with Alachua County to ensure neither agency is responsible for improvements warranted by this development.
   Response: Acknowledged. It is not anticipated that either the City of Alachua or Alachua County would be responsible for improvements required by this development.

6. The future west connection for this project may be required to coordinate with and/or connect to the future Peggy Road Connector signalized intersection on US 441.
   Response: The future connection will be coordinated with the City of Alachua and FDOT.

7. Stage 2 will require an updated traffic impact study and more than one future traffic impact study may be required as this project proceeds to completion.
   Response: Acknowledged. Text has been added indicating the anticipation of a second TIS for Stage 2 and need for ICE analysis. Additional studies to be performed as required.

If you have any questions or need additional information, please feel free to contact me.

Sincerely,

Christopher Potts

Christopher Potts, PE
Director of Engineering, JBPro

City of ALACHUA
THE GOOD LIFE COMMUNITY

FOR OFFICE USE ONLY
Case #: _____
Application Fee: $_____
Filing Date: _____
Completeness Date: _____
Review Type: P&Z; CC

Major Subdivision – Preliminary Plat Application

Reference City of Alachua Land Development Regulations (LDRs) Section 2.4.10

A. PROJECT

1. Project Name: Tara Forest West
2. Pre-Application Conference Date: 08/27/2020
3. Neighborhood Meeting Date: 08/18/2021
4. Phase/Unit Number (if applicable): N/A
5. Number of proposed lots/dwelling units: 540 Lots
6. Housing Type (i.e., attached/detached units): Single family detached
7. Address of Subject Property: 15845 NW US Hwy 441 Alachua, FL
8. Parcel ID Number(s): 03067-001-000, 03008-000-000
9. Existing Use of Property: Timberland
10. Future Land Use Map Designation: Moderate Density Residential, Conservation, Commercial
11. Zoning Designation: RSF-4, CI
12. Acreage: 335.63

B. APPLICANT

1. Applicant's Status ☐ Owner (title holder) ■ Agent
2. Name of Applicant(s) or Contact Person(s): Logan B. Peters, P.E. Title: Project Manager
   Company (if applicable): JBrown Professional Group Inc.
   Mailing address: 3530 NW 43rd Street
   City: Gainesville State: Fl ZIP: 32606
   Telephone: 352-375-8999 FAX: 352-375-0833 e-mail: logan.peters@jbpro.com
3. If the applicant is agent for the property owner*:
   Name of Owner (title holder): Tara Forest, LLC; Sayed Moukhtara
   Mailing Address: 7717 NW 20th Lane
   City: Gainesville State: Fl ZIP: 32605

   ** Must provide executed Authorized Agent Affidavit or other acceptable documentation (as deemed acceptable by the City in its sole discretion) which authorizes the agent to act on behalf of the property owner.*

C. ADDITIONAL INFORMATION

1. Is there any additional contact for sale of, or options to purchase, the subject property? ☐ Yes ■ No
   If yes, list names of all parties involved: _____
2. Has the applicant discussed possible utility/infrastructure fees with the Public Services Department?
   If no, contact the Public Services Department at 386-418-6140. ☐ Yes ■ No

D. ATTACHMENTS

1. Plans, to include the following information and be prepared in accordance with the following criteria:
   a. Sheet Size: 24" X 36" with 3" left margin and ½" top, bottom, and right margins.
   b. Graphic scale, not to exceed one (1) inch equal to 200 feet and one (1) inch equal to 50 feet for detailed plan sheets.
   c. Proposed name of subdivision.
   d. Name, address, telephone number, and email address of the property owner, agent (if applicable), and developer.
   e. Name, address, telephone number, email address, and registration numbers of surveyor of record and professional engineer of record.
   f. Boundary and topographic survey. Survey shall be signed and sealed by the surveyor, and shall be no older than two (2) years.
   g. Vicinity map - indicating general location of the site and major adjacent streets and all adjacent properties, section lines and quarter section lines. The vicinity map shall be drawn to show clearly the information required, but not less than one (1) inch to 2,000 feet.
   h. Legal description of the property to be subdivided.
   i. Zoning of all adjacent property.
   j. Acreage of adjacent land. If adjacent land is within a subdivision, identify the subdivision name, and recording information.
   k. Preliminary layout of subdivision including, at a minimum, the location of streets, easements, lot lines with approximate dimensions, building setbacks for all lots, and land to be reserved or dedicated for public or common uses.
   l. Lot numbers. Additional phases of existing subdivisions shall continue numbering from previous phases.
   m. Proposed method of water supply, sanitary sewer disposal, and electric service.
   n. Natural features, including streams; lakes; wetlands; water courses; and required buffers from such features dimensioned on the preliminary plat; wooded areas; and land designated as a special flood hazard area on FEMA FIRM panels.
   o. Surface drainage and direction of flow and method of detention and retention.
   p. Inscription stating "NOT FOR FINAL RECORDING".

2. Concurrency Impact Analysis showing the impact on public facilities, including potable water, sanitary sewer, transportation, solid waste, recreation (for residential development), stormwater, and public schools (for residential development) in accordance with Section 2.4.14 of the LDRs.

3. Analysis of Consistency with the City of Alachua Comprehensive Plan (analysis must identify specific Goals, Objectives, and Policies and describe in detail how the application complies with the noted Goal, Objective, or Policy).

4. Two (2) sets of mailing labels for all property owners within 400 feet of the subject property boundaries – even if property within 400 feet falls outside of City limits (obtain from the Alachua County Property Appraiser's web site) – and all persons/organizations registered to receive notice of development applications (current list may be obtained from the Planning & Community Development Department).

5. Neighborhood Meeting Materials, including:
   i. Copy of the required published notice (advertisement) – must be published a newspaper of general circulation, as defined in Article 10 of the City's Land Development Regulations;
   ii. Copy of written notice (letter) sent to all property owners within 400 feet and to all persons/organizations registered with the City to receive notice, and a copy of the mailing labels or list of those who received written notice; and,
   iii. Written summary of meeting – must include (1) those in attendance; (2) a summary of the issues related to the development proposal discussed; (3) comments by those in attendance about the development proposal; and, (4) any other information deemed appropriate.

6. If the development will include single family or multifamily residential uses, City of Alachua Public School Student Generation Form.

7. Legal description with tax parcel number: (1) on 8.5" x 11" paper; and (2) electronic file in Word format.

8. Proof of ownership (i.e., copy of deed).

9. Proof of payment of taxes.

10. Traffic Impact Analysis or Statement, as deemed applicable to the project by the City of Alachua in its sole discretion.

11. Environmental Assessment or Study, as deemed applicable to the project by the City of Alachua in its sole discretion.

12. **Fee.** Please see fee schedule for fee determination. No application shall be accepted for processing until the required application fee is paid in full by the applicant. Any costs associated with outside professional consulting services deemed necessary by the City in its sole discretion will be billed to the applicant at the rate of the consultant. The invoice for such services shall be paid in full prior to any public hearings on the application.

All applicable attachments are required for a complete application. A completeness review of the application will be conducted within five (5) business days of receipt. If the application is determined to be incomplete, the application will be returned to the applicant.

Under penalty of perjury, I/we certify and acknowledge that the information contained herein is true and correct to the best of my/our knowledge.

Logan Peters
Signature of Applicant

Signature of Co-applicant

Logan B. Peters, P.E.
Typed or printed name *and title* of applicant

Typed or printed name *and title* of co-applicant

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me by means of [X] physical presence or [ ] online notarization, this day of July 26th, 2021, by Logan Peters who executed the same and has _____ produced _____ as identification or [X] is personally known to me.

Jennifer Newbegin
Signature of Notary

Print Name: Jennifer Newbegin
Notary Public, State of Florida

My Commission Expires: 12/29/2024

Jennifer Newbegin
Notary Public
State of Florida
Comm# HH075654
Expires 12/29/2024

City of ALACHUA

THE GOOD LIFE COMMUNITY

Authorized Agent Affidavit

A. PROPERTY INFORMATION

Address of Subject Property: 15845 NW US Hwy 441 Alachua, FL

Parcel ID Number(s): 03067-001-000, 03020-000-000, 03008-000-000

Acreage: 393.95

B. PERSON PROVIDING AGENT AUTHORIZATION

Name: Sayed Moukhtara Title: Manager

Company (if applicable): Tara Forest, LLC

Mailing Address: 7717 NW 20th Lane

City: Gainesville State: Fl ZIP: 32605

Telephone: 352-278-5317 FAX: e-mail: sayed@moukhtara.com

C. *AUTHORIZED AGENT*

Name: Logan B. Peters, P.E. Title: Project Manager

Company (if applicable): JBrown Professional Group Inc.

Mailing address: 3530 NW 43rd Street

City: Gainesville State: FL ZIP: 32606

Telephone: 352-375-8999 FAX: 352-375-0833 e-mail: logan.peters@jbpro.com

D. REQUESTED ACTION:

Preliminary Plat Application for a 4 Phase, 540 lot single-family residential subdivision.

I hereby certify that I am the property owner of record, or I have received authorization from the property owner of record to file an application for a development permit related to the property identified above. I authorize the agent listed above to act on my behalf for purposes of this application.

Signature of Applicant

Signature of Co-applicant

Sayed Moukhtara

Typed or printed name and title of applicant

Typed or printed name of co-applicant

State of Florida County of Alachua

The foregoing application is acknowledged before me this 27 day of July, 2021 by Sayed Moukhtara, who is/are personally known to me, or who has/have produced drivers license as identification.

NOTARY SEAL

DANA L BEAVERS
Notary Public - State of Florida
Commission # GG 163110
My Comm. Expires Mar 13, 2022

Dana L Beavers

Signature of Notary Public, State of Florida

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TARA FOREST WEST
CITY OF ALACHUA MUNICIPAL SYSTEM - CONCURRENCY IMPACT ANALYSIS

This Concurrency Impact Analysis considers the impact of the proposed development on public facilities including potable water, sanitary sewer, transportation, solid waste, recreation, stormwater, and public schools in accordance with Article 2.4.14 of the Land Development Regulations for the overall Major Subdivision Preliminary Plat.

A. Potable Water:

Policy 4.1.c of the Community Facilities and Natural Groundwater Aquifer Recharge (CFNGAR) Element of the Comprehensive Plan establishes a potable water LOS Standard of 275 gallons per day per equivalent residential dwelling unit on an average annual basis. Policy 4.1.c of the CFNGAR Element state that when the City's potable water facility reaches 85% of the permitted design capacity, no further development orders or permits will be issued until additional capacity becomes available. Table 3a was provided by the City's 2024 Annual Concurrency Status Report, showing the City's current utilization rate is 78.98% and current residual rate is 483,479 gallons per day. The City has not established a level of service for commercial uses.

Table 3a. Potable Water Impacts - Final Development Orders

System Category	Gallons Per Day
Current Permitted Capacity[1]	2,300,000
Less Actual Potable Water Flows[1]	1,390,833
Reserved Capacity[2]	425,691
Residual Capacity	**483,476**
Percentage of Permitted Design Capacity Utilized	**78.98%**

Sources:
1. City of Alachua Public Services Department, April 2022
2. Table 1

Potable Water Project Impact

Below is Table 1 that utilizes 275 gallons per day for residential potable water. The proposed development will utilize 275 gallons per day for each residential unit, with a total of 523 residential units. The total gallons per day for residential development of potable water will be 143,825 gallons per day. 143,825 gallons per day is 29.75% of the residual capacity of potable water, leaving 339,651 gallons per day of residual capacity remaining.

Table 1 – Potable Water	Residential Units	Gallons Per Day
Single Family Detached	523	143,825
Totals	523	143,825
Based off a LOS of 275 gallons per day		

Sources:
1. City of Alachua March 2024 Development Monitoring Report
2. City of Alachua Comprehensive Plan CFNGAR
3. F.A.C. Ch. 64E-6

B. Wastewater

Policy 1.1.d of the CFNGAR Element of the Comprehensive Plan establishes a sanitary sewer LOS Standard of 250 gallons per day per equivalent residential dwelling unit on an average annual basis. Table 4a indicates that when the sanitary sewer capacity reaches 85% of the permitted design capacity, no further development orders or permits will be issued until additional capacity becomes available. Table 4a below shows capacity at 74.43%, therefore there 383,590 gallons per day or 25.57% are available. The City has not established a level of service for commercial uses.

Table 4a. Sanitary Sewer Impacts - Final Development Orders

System Category	Gallons Per Day
Treatment Plant Current Permitted Capacity	1,500,000
Less Actual Treatment Plant Flows[1]	719,250
Reserved Capacity[2]	397,160
Residual Capacity	**383,590**
Percentage of Permitted Design Capacity Utilized	**74.43%**

Sources:
1. City of Alachua Public Services Department, April 2022
2. Table 1

Wastewater Project Impact

Table 2 utilizes 250 gallons per day for residential wastewater. The proposed development will utilize 250 gallons per day for each residential unit, with a total of 523 residential units. The total gallons per day for residential development of potable water will be 130,750 gallons per day. 130,750 gallons per day is 34.09% of the residual capacity of potable water, leaving 252,840 gallons per day of residual capacity remaining.

Table 2 – Wastewater	Residential Units	Gallons Per Day
Single Family Detached & Attached	523	130,750
Totals	523	130,750
Based off a LOS of 250 gallons per day		

Sources:
4. City of Alachua March 2024 Development Monitoring Report
5. City of Alachua Comprehensive Plan CFNGAR
6. F.A.C. Ch. 64E-6

C. Solid Waste

Policy 2.1.a of the CFNGAR Element of the Comprehensive Plan establishes a LOS Standard for solid waste facilities of 0.73 tons per capita per year for residential development. The demand generated by nonresidential uses can vary substantially between different use types, therefore a LOS Standard for nonresidential uses is not adopted in the Comprehensive Plan.

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Table 6a. Solid Waste Impacts - Final Development Orders		
System Category	**Lbs Per Day**	**Tons Per Year**
Existing Demand[1]	43,376.00	7,916.12
Reserved Capacity[2]	**48,570.93**	**8,864.19**
New River Solid Waste Facility Capacity[3]	**50 years**	

1. Bureau of Economic & Business Research, University of Florida, Estimates of Population (2021); Policy 2.1.a, CFNGAR Element

Formula: 10,844 persons x 0.73 tons per year

2. Table 1

3. New River Solid Waste Association, April 2022

Solid Waste Project Impact

Table 3 utilizes a level of service of .73 tons per capita per year for residential solid waste. The proposed development will utilize 985 tons per year for each residential unit, with a total of 523 residential units. 523 DU * 2.58 Persons/DU *0 .73 tons/person/year = 985 tons/yr = 5,397 lbs/day. 5,397 lbs/day is 11.11% of the Reserved Capacity, leaving 43,173.57 lbs/day of Reserved Capacity remaining.

Table 3 – Solid Waste	Residential Units	Pounds Per Day
Single Family Detached	523	5,397.36
Totals	523	5,397.36
Based off a LOS of .73 tons per capita per year		

D. Stormwater

The project shall comply with all City of Alachua stormwater design criteria and regulations, the permitting requirements of the Suwannee River Water Management District (SRWMD), the requirements of the Florida Department of Environmental Protection, and the requirements of the Alachua County Environmental Protection Department. Stormwater management facilities will be designed for the 100-year critical duration storm event and will ensure that post-development runoff levels do not exceed pre-development runoff levels. Any flood plains will be analyzed at each development stage, and compensation will be provided as necessary. A complete stormwater management design report will be provided for each development phase.

E. Recreation

SYSTEM CATEGORY	**Acreage**
Existing City of Alachua Recreation Acreage	135.48
Acreage required to serve existing population	54.22
Proposed Demand	6.75
Available Recreation Acreage[1]	69.09

Usage Calculations by proposed uses within the development
523 DU * 2.58 Persons/DU[2] * 5 acres/1,000 Person[3] = 6.75 Acres

Result: Adequate recreation space exists for the proposed project.

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F. Transportation

The development is proposing 523 single family units.

Average Annual Daily Traffic Generator Average Rate = 9.44 per dwelling unit.
523 units * 9.44 = 4,937.12 = ***4,938 Average Trips Per Day.***

PM Peak Hour Generator Average Rate = .99 per dwelling unit. 63% entering and 37% exiting. 523 units * .99 = 517.77 = ***518 PM Peak Hour Trips Per Day***

Table 2a. Traffic Impacts

Roadway Segment (FDOT Segment #, CoA Comp Plan #)	Segment Description	AADT/Peak Hour	Comp Plan MSV^^	Existing Traffic*^	Reserved Trips	Available Capacity**	Percentage of Capacity Utilized
State Roads	Min LOS Std: D						
U.S. Hwy 441 (107, 5)	From SR 235 to I-75	AADT	39,000	25,096	3,107	10,797	72.32%
		Peak Hour	3,510	2,198	268	1,044	70.26%

Trip generation calculations were carried out using the 10th edition of ITE's Trip Generation Manual and referencing land use codes 210 (Single Family Housing), 820 (Shopping Center) and 151 (Mini-Warehouse). The complete traffic study is included in the submittal.

Segment #5	**US 441 From SR 235 to I-75**	**Level of Service: D**
Daily Trip Generation	**AADT (Trips)**	**Peak Hour (Trips)**
Max Service	39,000	3,510
Existing Traffic	25,096	2,198
Reserved	3,107	268
Available	10,797	1,044
New Net Trips	4,938	518
Remaining Capacity	5,859	526

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TARA FOREST WEST
ANALYSIS OF CONSISTENCY WITH THE CITY OF ALACHUA COMPREHENSIVE PLAN

I. FUTURE LAND USE ELEMENT:

Policy 1.2.a: Moderate density residential (0 to 4 dwelling units per acre): The moderate density residential land use category allows residential development at a maximum density of 4 dwelling units per acre. The following uses are allowed in the moderate density residential land use category:
1. Single family, conventional dwelling units;
2. Accessory dwelling units;
3. Manufactured or modular homes meeting certain design criteria
4. Mobile homes only within mobile home parks;
5. Duplexes and quadplexes;
6. Townhomes;
7. Residential Planned Developments;
8. Supporting community services, such as schools, houses of worship, parks, and community centers

Response: The proposed density of the subject parcel will not exceed 4 units/acre. Under the moderate density, the allowed density is 2,160 units. The subject property is proposed to be part of a new overall Planned Development Residential, which consists of 538 units on 393.95 acres. The proposed density is 1.37 units per acre, which is well below the maximum allowed density of 4 dwelling units per acre. The development will consist of single family detached units. Therefore, the proposed plat is it is consistent with Future Land Use Element Policy 1.2.a.

Policy 2.4.c: Tree Protection: The City shall require the preservation of heritage trees and champion trees when possible. Standards shall be set for determining the health and safety risks associated with heritage and champion trees both on individual residential lots, and existing and proposed developments.

Response: All Heritage and Champion trees will be protected in accordance with City of Alachua Land Development Regulations section 6.2.1- Tree Protection Landscaping Standards,

Policy 2.4.d: Tree Protection: The City shall establish standards for the preservation of regulated trees. Particular attention shall be given to preserving specimen and preferred species of regulated trees, where feasible.

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Response: Tree protection will follow and be in compliance City of Alachua Land Development Regulations Section 6.2.1-Tree protection landscaping standards.

Policy 2.5.a: There shall be a minimum of 10% percent open space required. The City shall establish incentives for the provision of open space beyond minimum requirements.

Response: The proposed development plan will conform to the Cities of Alachua Land Development Regulations Section 6.7 Open Space Standards. The open space proposed is 115 acres which is 29.2% of the development acreage.

Policy 2.5.b: Open space shall not be limited to unusable portions of project sites. A portion of open space shall be usable and functional.

Response: The proposed development plan will conform to the City's Open Space Standards of the City of Alachua Land Development Regulations Section 6.7.4.

Objective 5.1: Natural features: The City shall coordinate Future Land Use designations with appropriate topography, soils, areas of seasonal flooding, wetlands and habitat during review of proposed amendments to the Future Land Use Map and the development review process. Natural features may be included as amenities within a development project.

Response: On the west side of the property, the proposed development does have Zone "A" flood areas on it, but they do not contain a finished floor elevation. On the west side ther4e does appear to a flagged wetland line. In addition, the property does have some large trees, which will follow the City of Alachua Land Development Regulations Section 6.2.1- Tree Protection Landscaping Standards.

Policy 5.1.d: Wetlands: The City shall utilize statewide wetland delineation methodology in accordance with Florida Administrative Code (FAC) and regulations adopted by the FDEP and the Suwannee River Water Management District.

Response: There are no active or inactive wetlands on the property. However, 2123: Floodplain Marsh A small portion (0.2± acre) of a floodplain marsh (see Photo 6) encroaches the site along its west boundary.
This area was disturbed from recent logging activities. This area is a portion of a larger marsh system created by tail-waters from a nearby creek (Mill Creek) west of the site.

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Policy 5.2.a: All new development shall meet level of service requirements for roadways, potable water and sanitary sewer, stormwater, solid waste, public schools, and improved recreation in accordance with LOS standards adopted in the elements addressing these facilities.

Response: Concurrency Analysis is provided is provided as Attachment E. The proposed development does not have a significant impact on the level of service for roadways, potable water, sanitary sewer, stormwater, solid waste, public schools, or recreation below an acceptable level. Therefore, the development meets the level of service required for FLUE Policy 5.2.a.

Policy 7.1.a: The City shall require utility easements as part of the development review process.

Response: Utility easements will be granted in accordance with Future Land Use Element Policy 7.1.a.

Policy 8.1.a: The area along CR 235 to the east of CR 241 and west of CR 237 is historically and environmentally sensitive. Special consideration must be given to this area to preserve its historic and environmentally sensitive characteristics. Future land uses within this area may also take into account long term preservation objectives, such as creation of the San Felasco Conservation Corridor.

Response: The site is not an environmentally sensitive area and is not located near the San Felasco Conservation Corridor.

Policy 9.2: Any new residential subdivision within the corporate limits, where potable water service is available, as defined in Policy 4.2.a of the Community Facilities and Natural Groundwater Aquifer Recharge Element of the City of Alachua Comprehensive Plan, regardless of size, that is within either a Residential or Agriculture Future Land Use Map Designation shall connect to the City of Alachua's potable water system. Any new residential subdivision within the corporate limits, where wastewater service is available, as defined in Policy 1.2.a of the Community Facilities and Natural Groundwater Aquifer Recharge Element of the City of Alachua Comprehensive Plan, regardless of size, that is within a Residential Future Land Use Map Designation shall connect to the City of Alachua's wastewater system.

Response: The proposed development will connect to the City's potable water and wastewater system. Therefore, it is consistent with FLUE Policy 9.2.

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II. TRANSPORTATION ELEMENT:

Policy 1.4.a: The City shall require any development which must obtain site plan or subdivision approval to provide additional right-of-way width for bicycle and pedestrian ways along all proposed collector and arterial streets.

Response: There are no new collectors or arterial roadways planned as part of this amendment. US 441, which is classified as a Major Collector has ample right- of-way for bicycle and pedestrian facilities. Therefore it is consistent with Transportation Policy 1.4.a.

Policy 1.4.c: The City shall require pedestrian paths within subdivisions and within new developments to be connected to paths outside the development.

Response: The future development will include pedestrian paths that connect to lands outside of the development.

Policy 1.5.c: To the extent feasible, the City shall require new developments which are compatible with adjacent existing development to interconnect with one another through one of the following methods:

1. Through the extension of a public street from one project to another;
2. Through the extension of a sidewalk from one project to another;
3.Through the extension of a multi-purpose trail from one project to another.

Response: The proposed development will comply with this requirement.

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III. COMMUNITY FACILITIES AND NATURAL GROUNDWATER RECHARGE ELEMENT:

Objective 1.2: Wastewater service will be made available to new development in a manner to promote compact urban growth, promoting development where wastewater service is available, and discouraging urban sprawl. For purposes of this objective, new development does not included remodeling of existing developments or additions of less than 33% to existing developments.

Response: The proposed e development will connect to the City's wastewater facilities. Therefore, it is consistent with Community Facilities and Natural Groundwater Recharge Element Objective 1.2.

Policy 1.2.a: The City shall establish a Community Wastewater Service Area, which includes all areas where wastewater service is available. Wastewater service shall be deemed available if:

1. *A gravity water system exists within 100 ft. of the property line of any residential subdivision lot or single family residence and wastewater service can be accessed through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.*

2. *A gravity wastewater system exists with 500 ft. of the property line of any residential subdivision consisting of 5 units or less and the gravity wastewater system can be accessed through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.*

3. *A gravity wastewater system, wastewater pumping station, or force main exists within ¼ mile of the property line of any residential subdivision with more than 5 units, or any multi-family residential development, or any commercial development, or any industrial development and the gravity wastewater system, wastewater pumping station, or force main can be accessed through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.*

Response: The proposed future development will connect to the City's wastewater facilities. Therefore, it is consistent with Community Facilities and Natural Groundwater Recharge Element Policy 1.2.a.

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Policy 3.1.b: The City shall require the construction of roads within new plats or replats to be arranged so that the grades of the streets shall conform as closely as possible to the original topography to prevent the interruption of natural drainage flows, including sheet flow and flow to isolated wetland systems.

Response: Any proposed roadways within the future development will be designed in accordance with Community Facilities and Natural Groundwater Recharge Element Policy 3.1.b.

Policy 4.1.b: The City shall establish a Community Potable Water Service Area, which includes all areas where potable water service is available. Water service shall be deemed available if:

1. A water main exists within 100 ft. of any residential subdivision lot or single family residence water service can be accessed through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.

2. A water main exists within 500 ft. of any residential subdivision consisting of 5 units or less and water service can be accessed through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.

3. A water main exists within ¼ mile of any residential subdivision with more than 5 units, or any multi-family residential development, or any commercial development, or any industrial development and water service can be accessed through public utility easements or right of ways. The distance shall be measured as required for construction of the infrastructure along public utility easements and right of ways.

Response: The proposed development will connect to the City's potable water facilities. Therefore, it is consistent with Community Facilities and Natural Groundwater Recharge Element Policy 4.1.b.

Policy 4.2.a: New urban development will only occur within areas where potable water services are available concurrent with development. For purposes of this policy, new development does not included remodeling of existing developments or additions of less than 33% to existing developments.

Response: The proposed development will connect to the City's potable water facilities. Therefore, it is consistent with Community Facilities and Natural Groundwater Recharge Element Policy 4.2.a.

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Policy 4.2.b: The City will continue to require necessary on-site water system improvements to be completed at the expense of the property owner.

Response: The proposed development will connect to the City's potable water facilities at the expense of the owner / developer. Therefore, it is consistent with Community Facilities and Natural Groundwater Recharge Element Policy 4.2.b.

Policy 5.2.b: The City shall require demonstration from engineering results that post development recharge volumes will equal predevelopment recharge volumes to the Florida aquifer.

Response: The stormwater management design calculations for the proposed development will document the stormwater system design for pre-development flow vs. post-development flow.

Policy 5.2.c: Applicants for new development, expansions, or redevelopment shall employ one or more of the following techniques to address potential groundwater quality and quantity impacts:

1. Construction and maintenance of shallow, landscaped retention basins
2. Decreasing the amount of stormwater runoff through the use of pervious surfaces or increased open space
3. Development of a stormwater pollution prevention plan
4. Development of a sinkhole remediation plan
5. Development of a groundwater monitoring plan

Response: The proposed future development will implement one or more of the techniques required by Community Facilities and Natural Groundwater Recharge Element Policy 5.2.c

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IV. CONSERVATION AND OPEN SPACE ELEMENT:

Policy 1.2.j: The City shall require all new development to be oriented in a fashion that reduces habitat fragmentation and preserves the largest possible contiguous area of undisturbed habitat, to the extent practicable.

Response: Future development of the property will address open space locations and contiguity per Policy 1.2.j

Policy 1.2.l: The City shall protect regulated, heritage, and champion trees. The City may continue to participate in the Florida Champion Tree Program. Additionally the City will require tree removal permits to protect regulated, heritage, and champion trees from accidental removal and other development related disturbances.

Response: Heritage and Champion trees will be protected in accordance with the City of Alachua Land Development Regulations.

Policy 1.3.d: The City shall require prior to development approval, an inventory of listed species for all new developments in areas identified as known habitat for listed species. The inventory shall include detailed information regarding type, quantity, location and habitat requirements for any listed species identified. De minimus threshold for properties required to complete the inventory shall be established in the City's Land Development Regulations.

Response: An environmental assessment of the property including an inventory of listed species has been performed and is included as Attachment H.

Policy 1.10.g: The City shall require natural vegetative buffers around wetlands to protect the fragile ecosystems they sustain. Buffers, measured from the outer edge of the wetland, shall be created as established in the following table.

Resource Addressed	***Required Buffer (feet)***
Wetlands less than or equal to 0.5 acre that do not support federally and/or state regulated vertebrate wetland/aquatic dependent animal species.	*50' average* *35' minimum*
Wetlands greater than 0.5 acre that do not support the animal species described above.	*75' average* *50' minimum*
Areas where the animal species described above have been documented within 300 feet of a wetland.	*100' average* *75' minimum*

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Response: Wetlands do not exist on the subject property. This property is planned to be a part of a larger PD-R development to be known as Tolosa. The PD-R property to the south of the subject property does contain wetlands. The required wetland buffer per Policy 1.10.g will be adhered to with the future development.

OBJECTIVE 1.12: Water Resources

The City shall protect and conserve the quantity and quality of water resources, not only for the benefit of residents of the City, but for all in North Florida who depend on the Florida Aquifer for drinking water, and for the benefit of all connected springs, streams, and rivers which may be impacted by the City's land use and development practices.

Response: Wetlands do not exist on the subject property, however, this property is planned to be a part of a bigger PD-R development to be known as Tolosa. The PD-R property to the south of the subject property does contain wetlands and will be protected per Community Facilities and Natural Groundwater Recharge Element Objective 1.12.

Policy 1.12.d: The City shall require the following buffers for development along surface water bodies. Buffers shall be measured from the outer edge of the water body, and created as established in the following table.

Resource Addressed	***Required Buffer (feet)***
Surface waters less than or equal to 0.5 acre that do not support federally and/or state regulated vertebrate wetland/aquatic dependent animal species.	*50' average* *35' minimum*
Surface waters greater than 0.5 acre that do not support the animal species described above.	*75' average* *50' minimum*
Areas where the animal species described above have been documented within 300 feet of a surface water	*100' average* *75' minimum*

Response: The subject property does not contain surface waters.

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BONFIGLIO JAMES JR & TEATA L
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CHENEVEY & GRAY-CHENEVEY
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ALACHUA DEVELOPMENT CO LLC
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KOROSIC, CHRISTOPHER ALLAN
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SCARSDALE, NY 10583

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1000 LOWES BOULEVARD TAX DEPT
MOORESVILLE, NC 28117

MI APA LATIN CAFE OF ALACHUA LLC
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ALACHUA, FL 32615

MOHAN-LERRA FAMILY PARTNERSHIP
16715 NW 129TH TER
ALACHUA, FL 32615

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SMITH DAVE EUGENE & PAMELA PEARS
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STALBAUM & STALBAUM
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TARA FOREST LLC
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YOUNG ESTATES LLC
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ANTOINETTE ENDELICATO
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JOSEPH & PHYLLIS STRICKLAND
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ALACHUA, FL 32615

JEAN CALDERWOOD
14095 NW 174TH AVENUE
ALACHUA, FL 32615

LYNN HORTON
19005 NW 138TH AVENUE
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Customer: JB Pro
Reference Number: 69928
Price Per Insertion: $77.97
Number of Insertions: 1
Total Price: $77.97

Customer Signature: _____ Date:_____

Neighborhood Meeting
Advertisement For
Tara Forest West –
Major Subdivision –
Preliminary Plat

As a property owner located within the required 400-foot radius of a proposed development, you are hereby being notified of a proposal for a Major Subdivision Preliminary Plat as required by, Section 2.2.4 Neighborhood Meetings, of the City of Alachua Land Development Regulations. Tara Forest, LLC, is proposing Major Subdivision Preliminary Plat to develop 540 single family homes on 393.95 acres, in the City of Alachua, FL. The property is located at 15845 NW US Hwy 441 Alachua, FL. The proposed Major Subdivision Preliminary Plat will encompass, parcels numbers 0 3 0 0 8 - 0 0 0 - 0 0 0 , 03020-000-000, and 03067-001-000. The property is zoned Residential Single Family 4 (RSF-4), Conservation (CSV) and Commercial Intensive (CI).

The Neighborhood Meeting will discuss the proposed Major Subdivision Preliminary Plat, share a copy the plat, and receive comments from the public and adjacent property owners. The neighborhood meeting will be held at on August 18th, 2021, at the Swick House Conference Room, located at 15100

NW 142 Terrace, Alachua, FL 32615, between the hours of 6:00PM and 7:00PM. You may also submit your comments electronically to the Representative for the Developer of the project, JBPro, Chris Potts, Director Engineering, 3530 NW 43rd Street Gainesville FL 32606, 352-375-8999 or by email at Chris.Potts@jbpro.com.

(Published: Alachua County Today - Aug. 5, 2021)

JBPro
Civil Engineering | Land Planning
Surveying | Construction Services

Gainesville | St. Augustine
3530 NW 43rd Street
Gainesville, FL 32606

Neighborhood Meeting Notice

You are cordially invited to attend a Neighborhood Meeting as described below.



As a property owner located within the required 400-foot radius of a proposed development, you are hereby being notified of a proposal for a Major Subdivision Preliminary Plat as required by, Section 2.2.4 Neighborhood Meetings, of the City of Alachua Land Development Regulations. Tara Forest, LLC is proposing Major Subdivision Preliminary Plat to develop 540 single family homes on 393.95 acres in the City of Alachua, FL. The property is located at 15845 NW US Hwy 441 Alachua, FL. The proposed Major Subdivision Preliminary Plat will encompass, parcels numbers 03008-000-000, 03020-000-000, and 03067-001-000.

The neighborhood meeting will be held on August 18th, 2021, at the Swick House Conference Room, located at 15100 NW 142nd Terrace, Alachua, FL 32615, between the hours of 6:00PM and 7:00PM. You may also submit your comments electronically to the Representative for the Developer of the project, JBPro, Chris Potts, Director Engineering, 3530 NW 43rd Street Gainesville FL 32606, 352-375-8999 or by email at Chris.Potts@jbpro.com.

Contact Person: Chris Potts, PE @ JBrown Professional Group Inc.
Chris.potts@jbprogroup.com
(352) 375-8999

JBrown Professional Group Inc.
3530 NW 43rd Street
Gainesville, FL 32606

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Surveying | Construction Services

Gainesville | St. Augustine
3530 NW 43rd Street
Gainesville, FL 32606

Tara Forest West
Preliminary Plat
Neighborhood Meeting
Sign-In Sheet

Name	Address	Phone	Email
C Nicholson	14827 NW 101st Ter, Alachua	352-316-1342	cbrandt2@gmail.com
R Hjelmeir	14819 NW 103 Ter Alachua	352 213-1177	Hjelor@yahoo.com
J. YAKUBSIN	15135 NW 174TH AVE	352/222-8837	YAKMARINE AT AOL.COM
J. SAPP	15118 NW 174th Ave.	352-359-6671	JOHNSAPPZZ@MSN.COM
L. Tucker	14765 NW 174 Ln	386-418-8089 ~~352-~~	Satucker47@gmail.com
J. ANDERSEN	15021 NW 174TH Ln	2392816619	GATORJIMBO@GMAIL.COM
C. KONOSIC	15710 NW US HWY 441	352-256-7227	C.KONOSIC@GMAIL.COM

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Gainesville | St. Augustine
3530 NW 43rd Street
Gainesville, FL 32606

Name	Address	Phone	Email
Robert HARTLEY	P.O. Box 1627 ALACHUA	352-258-5009	
Cheryl Hartley	PO Box 1627 Alachua	352-258-3906	
Daniel Durante	14907 NW 174th Ave	954-240-4557	me@danieldurante.com
Tyler Allen	14853 NW 174TH AVE	570677-1370	tballen08@yahoo.com

JBPro

Gainesville
3530 NW 43rd Street
Gainesville, FL 32606

St. Augustine
4420 US-1 S, Suite 1
St. Augustine, FL 32086

jbpro.com
(844) Go-JBPro
contact@jbpro.com

Tara Forest West – Preliminary Plat Neighborhood Workshop Summary

Meeting Location: Swick House Cedar Room
Meeting Date and Time: August 18th at 6pm
Meeting Presenter: Chris Potts, PE, JBPro

The neighborhood meeting began on time, with approximately 15 neighbors in attendance. Mr. Potts gave a PowerPoint presentation which described the nature of the application for a preliminary plat and provided a visual representation of the Preliminary Plat for the development at this stage of the permitting and review process. Many questions were asked, and sparked a good discussion on topics like noise and traffic concerns, and environmental and flooding impacts to adjacent properties. The timeline to final buildout was also discussed. Specific questions are listed below, with responses.

1. What is the breakdown of the size and price of the proposed homes? Are there any buffers proposed? What is the overall timeline for this proposed development?
   Response: Mr. Potts explained the proposed minimum lot size of 7,500 sf, estimated home size of 1,200 sf to 2,500 sf one-story and two-story homes, that will likely be priced between $250,000 and $400,000. He explained the recreational zoned parcel that is provided as a buffer between the proposed residential lots and the conservation area, and that no buffer was required or provided between the two residential uses. Mr. Potts mentioned that a 6-foot tall privacy fence would likely be proposed as a way to separate the proposed development from existing residential lots. Several neighbors voiced their opinion of the inadequacy of a 6-foot tall fence, saying they preferred a taller masonry style wall to separate and protect them from noise and light pollution. The option of providing larger lots along the property boundary was discussed. Lastly, Mr. Potts explained the review process and timeframe for the proposed project and mentioned construction for Phase 1 would likely start in approximately 2 years.

2. Who decided the zoning breakdown of the subject parcels?
   Response: Mr. Potts explained the history of the zoning breakdown and that the City made the decision to dedicate the conservation land as the western portion of the property.

3. Is it possible to expand the radius for notifications of future meetings?
   Response: Mr. Potts explained that City of Alachua has a criterion of a 400-foot radius for which to provide notification of public meetings and hearings. He agreed to expand the radius in order to encompass a larger area for future meetings.

4. Discussion was brought up regarding the existing sink holes on site, whether additional pines would be planted on the property during the permitting process, and the occurrence of a helicopter spraying the property.
   Response: Mr. Potts explained that environmental assessments are a required aspect of all proposed developments and we are aware of the sink holes on the property. He mentioned that as JBPro does not own the property, we are unaware of any activities regarding spraying and planting but would be happy to inquire. Concerns regarding what was being sprayed and how it would affect the aquifer were discussed. Mr. Potts explained the stormwater treatment requirements and methods and ensured that no adverse effects from the development would impact the aquifer.

5. The topography of the development and surrounding areas was discussed, as well as flooding concerns.
   Response: Mr. Potts explained that while some fill for the site will be required, it is the intent of the design to follow the natural topography of the land. Flooding concerns were alleviated through discussions of stormwater requirements.

6. Many neighbors voiced concerns regarding the additional traffic load this development will generate, and expressed a lack of faith in the ability to calm traffic and mitigate for the additional volume.
   Response: Mr. Potts explained that this development will undergo review by FDOT as it connects to roads falling within that jurisdiction, and that any improvements will be approved by FDOT in accordance with their standards for design and safety. Neighbors requested a traffic light at the connection to US 441, and Mr. Potts explained that traffic lights are not typically desired by FDOT, but more discussions will be had prior to final approval.

City of ALACHUA

THE GOOD LIFE COMMUNITY

FOR PLANNING USE ONLY
Case #: _____
Application Fee: $_____
Filing Date: _____
Acceptance Date: _____
Review Type: Admin

Public School Student Generation Form for Residential Development in the City of Alachua

A. APPLICANT

1. Applicant's Status (check one):

   □ Owner (title holder) ■ Agent

2. Name of Applicant(s) or Contact Person(s): Logan B. Peters, P.E. Title: Project Manager

   Company (if applicable): JBrown Professional Group Inc.

   Mailing address: 3530 NW 43rd Street

   City: Gainesville State: Fl ZIP: 32606

   Telephone: 352-375-8999 FAX: 352-375-0833 e-mail: logan.peters@jbpro.com

3. If the applicant is agent for the property owner*:

   Name of Owner (title holder): Tara Forest, LLC

   Mailing Address: 7717 NW 20th Lane

   City: Gainesville State: Fl ZIP: 32605

   * Must provide executed Property Owner Affidavit authorizing the agent to act on behalf of the property owner.

B. PROJECT

1. Project Name: Tara Forest West
2. Address of Subject Property: 15845 NW US Hwy 441 Alachua, FL
3. Parcel ID Number(s): 03067-001-000, 03020-000-000, 03008-000-000
4. Section 10 Township 08S Range 18E Grant N/A Acreage: 393.95
5. Existing Use of Property: Timberland
6. Future Land Use Map Designation: Moderate Density Residential, Conservation, Commercial
7. Zoning Designation: RSF-4, CSV, CI
8. Development Data (check all that apply):

   ■ Single Family Residential Number of Units 540

   □ Multi-Family Residential Number of Units _____

   □ Exempt (*see exempt developments on page 2*)

9. Review Type:

Preliminary Development Order	***Final Development Order***
□ Comprehensive Plan Amendment	■ Preliminary Plat
□ Large Scale	□ Final Plat
□ Small Scale	□ Site Plan
□ Site Specific Amendment to the Official Zoning Atlas (Rezoning)	
□ *Revised*	

10. School Concurrency Service Areas (SCSA): Based on the project location, identify the corresponding SCSA for each school type. Maps of the SCSAs can be obtained from the Alachua County Growth Management Department Map Gallery by clicking on the "Public Schools" tab: http://growth-management.alachuacounty.us/gis_services/map_gallery/

    Elementary: Irby & Alachua

    Middle: Mebane

    High: Santa Fe

Explanation of Student Generation Calculation: Student Generation is calculated based on the type of residential development and the type of schools. The number of students stations (by school type – Elementary, Middle and High School) used for calculating the school concurrency impacts is equal to the number of dwelling units by housing type multiplied by the student generation multiplier (for housing type & school type) established by the School Board. **Calculations are rounded to the nearest whole number.** Student Generation for each school type is calculated individually, in order to correctly assess the impact on the School Concurrency Service Area (SCSA) for each school type (Elementary, Middle and High School).

# of Elementary School Student Stations = # of housing units x Elementary school student generation multiplier
# of Middle School Student Stations = # of housing units x Middle school student generation multiplier
# of High School Student Stations = # of housing units x High school student generation multiplier

Student Generation Calculations: Single Family Residential Development

Elementary School	540	units	x	0.14	Elementary School Multiplier*	75.6	Student Stations**
Middle School	540	units	x	0.06	Middle School Multiplier*	32.4	Student Stations**
High School	540	units	x	0.08	High School Multiplier*	43.2	Student Stations**

Student Generation Calculations: Multi-Family Residential Development

Elementary School		units	x		Elementary School Multiplier*		Student Stations**
Middle School		units	x		Middle School Multiplier*		Student Stations**
High School		units	x		High School Multiplier*		Student Stations**

** Student generation multipliers may be obtained from SBAC at:*
http://www.sbac.edu/pages/ACPS/Departments_Programs/DepartmentsAF/D_thru_F/FacilitiesMainConstr/Local_Certification_Packets/City_of_Alachua
*** Round to the nearest whole number*

EXEMPT DEVELOPMENTS (check all that apply):

- ☐ Existing legal lots eligible for a building permit.
- ☐ Development that includes residential uses that has received final development plan approval prior to the effective date for public school concurrency, or has received development plan approval prior to June 24, 2008, provided the development approval has not expired.
- ☐ Amendments to final development orders for residential development approved prior to the effective date of public school concurrency, and which do not increase the number of students generated by the development.
- ☐ Age-restricted developments that prohibit permanent occupancy by persons of school age, provided this condition is satisfied in accordance with the standards of the Public Schools Facilities Element or the ILA.
- ☐ Group quarters that do not generate public school students, as described in the ILA.

A completeness review of the application will be conducted within 5 business days of receipt. If the application is determined to be incomplete, the application will be returned to the applicant.

I/We certify and acknowledge that the information contained herein is true and correct to the best of my/our knowledge.

Logan Peters
Signature of Applicant

Signature of Co-applicant

Logan B. Peters, P.E.
Typed or printed name and title of applicant

Typed or printed name of co-applicant

State of Florida County of Alachua

The foregoing application is acknowledged before me this 26th day of July, 2021, by Logan Peters

_____, who is/are personally known to me, or who has/have produced _____ as identification.

NOTARY SEAL

Jennifer Newbegin
Notary Public
State of Florida
Comm# HH075654
Expires 12/29/2024

Jennifer Newbegin
Signature of Notary Public, State of Florida

City of ALACHUA
THE GOOD LIFE COMMUNITY

Certification

Alachua County Public Schools

This application for a determination of adequacy of public schools to accommodate the public school students generated by the proposed development has been reviewed for compliance with the school concurrency management program and in accordance with the ILA. The following determinations have been made:

☐ **Approved** based upon the following findings:

Elementary SCSA:_____	Capacity Required:_____
☐ Capacity Available	Available Capacity:_____
☐ Capacity Available in 3 years	Available Capacity:_____
☐ Capacity Available in Adjacent SCSA	Available Capacity:_____
Middle SCSA:_____	Capacity Required:_____
☐ Capacity Available	Available Capacity:_____
☐ Capacity Available in 3 years	Available Capacity:_____
☐ Capacity Available in Adjacent SCSA	Available Capacity:_____
High SCSA:_____	Capacity Required:_____
☐ Capacity Available	Available Capacity:_____
☐ Capacity Available in 3 years	Available Capacity:_____
☐ Capacity Available in Adjacent SCSA	Available Capacity:_____

☐ **Denied** for reasons stated:_____

_____

_____

☐ **Local Government Certification**

Approved by:_____

Date:_____

☐ **School Board Staff Certification**

_____

Vicki McGrath, Director, Community Planning
School Board of Alachua County
352-955-7400 x 1423

Date:_____

JBPro

Gainesville (HQ)
St. Augustine
Tallahassee

(844) Go-JBPro
contact@jbpro.com
3530 NW 43rd Street
Gainesville, FL 32606

LEGAL DESCRIPTION BY THIS FIRM

A PARCEL OF LAND SITUATED IN SECTIONS 3, 4 AND 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF THE WEST 1/2 OF SAID SECTION 10; THENCE RUN NORTH 00°04'47" EAST, ALONG THE EAST LINE OF SAID WEST 1/2, A DISTANCE OF 1529.95 FEET TO THE POINT OF BEGINNING. THENCE RUN NORTH 89°54'32" WEST, A DISTANCE OF 987.28 FEET; THENCE RUN SOUTH 00°01'26" WEST, A DISTANCE OF 185.63 FEET; THENCE RUN SOUTH 84°29'08" WEST, A DISTANCE OF 331.55 FEET TO THE SOUTHEAST CORNER OF A CONSERVATION EASEMENT PER CITY OF ALACHUA ORDINANCE 10 23, PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA; THENCE RUN NORTH 00°01'49" EAST, ALONG THE EAST LINE OF SAID EASEMENT, A DISTANCE OF 575.38 FEET; THENCE RUN NORTH 11°45'36" WEST, A DISTANCE OF 2150.78 FEET; THENCE RUN NORTH 33°25'32" WEST, A DISTANCE OF 1857.78 FEET TO THE WEST LINE OF SECTION 3, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA; THENCE RUN NORTH 00°35'24" EAST ALONG SAID WEST LINE OF SECTION 3, A DISTANCE OF 343.82 FEET TO THE NORTHEAST CORNER OF SAID CONSERVATION EASEMENT; THENCE CONTINUE ALONG THE WEST LINE OF SAID SECTION THREE NORTH 00°36'01" EAST, A DISTANCE OF 100.60 FEET TO THE SOUTHEAST CORNER OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 5141, PAGE 2294, OF THE OFFICIAL RECORDS OF ALACHUA COUNTY, FLORIDA; THENCE CONTINUE NORTH 00°35'18" EAST ALONG SAID WEST LINE OF SECTION 3, A DISTANCE OF 660.64 FEET; THENCE RUN NORTH 88°18'02" EAST, A DISTANCE OF 1375.00 FEET; THENCE RUN SOUTH 00°11'40" EAST, A DISTANCE OF 1319.75 FEET TO THE SOUTH LINE OF THE AFOREMENTIONED SECTION 3, ALSO BEING THE NORTH LINE OF SECTION 10, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA; THENCE RUN NORTH 88°15'55" EAST ALONG SAID SOUTH LINE OF SECTION 3, A DISTANCE OF 1394.59 FEET TO THE EAST LINE OF THE WEST 1/2 OF SECTION 10; THENCE RUN SOUTH 00°04'47" WEST ALONG SAID EAST LINE, A DISTANCE OF 3883.86 FEET TO THE POINT OF BEGINNING.

CONTAINING 198.39 ACRES, MORE OR LESS.

Gainesville (HQ)
St. Augustine
Tallahassee
(844) Go-JBPro
contact@jbpro.com
3530 NW 43rd Street
Gainesville, FL 32606

LEGAL DESCRIPTION BY THIS FIRM:

A PARCEL OF LAND SITUATED IN SECTION 10 AND 15, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF THE WEST 1/2 OF SAID SECTION 10; THENCE RUN NORTH 00°05'56" EAST ALONG SAID 1/2 SECTION LINE 16.81 FEET TO THE POINT OF BEGINNING; THENCE RUN NORTH 89°54'04" WEST, A DISTANCE OF 55.00 FEET; THENCE RUN SOUTH 00°05'56" WEST, A DISTANCE OF 55.00' TO THE NORTHERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY 441, AND A POINT ON A CURVE CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 2996.79 FEET, WITH A CHORD BEARING AND DISTANCE OF NORTH 70°59'29" EAST, 726.37 FEET; THENCE NORTHWESTERLY ALONG SAID CURVE AND RIGHT-OF-WAY LINE, AN ARC DISTANCE OF 728.16 FEET TO THE END OF SAID CURVE; THENCE NORTH 77°52'10" WEST ALONG SAID RIGHT-OF-WAY LINE A DISTANCE OF 586.37 FEET; THENCE NORTH 77°51'07" WEST ALONG SAID RIGHT-OF-WAY LINE, A DISTANCE OF 486.49 FEET; THENCE DEPARTING SAID RIGHT-OF-WAY LINE, RUN NORTH 12°08'53" EAST, A DISTANCE OF 200.00 FEET; THENCE RUN SOUTH 77°51'07" EAST, A DISTANCE OF 59.81 FEET; THENCE RUN NORTH 60°49'36" EAST, A DISTANCE OF 101.29 FEET; THENCE RUN NORTH 07°01'30" EAST, A DISTANCE OF 70.52'; THENCE RUN NORTH 28°08'16" WEST, A DISTANCE OF 91.36 FEET; THENCE RUN NORTH 60°43'36" EAST, A DISTANCE OF 367.96 FEET; THENCE RUN NORTH 00°00'26" WEST, A DISTANCE OF 330.30 FEET; THENCE RUN NORTH 84°29'08" EAST, A DISTANCE OF 331.55 FEET; THENCE RUN NORTH 00°01'26" EAST, A DISTANCE OF 185.63 FEET; THENCE RUN SOUTH 89°54'32" EAST; A DISTANCE OF 987.28 FEET TO THE EAST LINE OF THE WEST HALF OF SECTION 10 AND 15, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA; THENCE RUN SOUTH 00°05'56" WEST ALONG SAID EAST LINE, A DISTANCE OF 1516.76 FEET TO THE POINT OF BEGINNING.

CONTAINING 44.40 ACRES, MORE OR LESS.

ALATB15081F

John Power TAX COLLECTOR
Serving Alachua County
FLORIDA STERLING AWARD RECIPIENT

2023 PAID REAL ESTATE 12108

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

ACCOUNT NUMBER	PROPERTY ADDRESS	MILLAGE CODE
03008 000 000	UNASSIGNED LOCATION RE	1700

TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

EXEMPTIONS:

SCAN TO PAY ONLINE

AD VALOREM TAXES

TAXING AUTHORITY	MILLAGE RATE	ASSESSED VALUE	EXEMPTION(S)	TAXABLE VALUE	TAXES LEVIED
COUNTY GENERAL	7.6414	15,089	0	15,089	115.30
LIBRARY GENERAL	1.0339	15,089	0	15,089	15.60
SCHOOL CAP PROJECT	1.5000	15,089	0	15,089	22.63
SCHOOL DISCRNRY & CN	0.7480	15,089	0	15,089	11.29
SCHOOL GENERAL	3.1840	15,089	0	15,089	48.04
SCHOOL VOTED	1.0000	15,089	0	15,089	15.09
CHILDREN'S TRUST	0.4612	15,089	0	15,089	6.96
SUWANNEE RIVER WATER MGT DIST	0.3113	15,089	0	15,089	4.70
CITY OF ALACHUA	5.9500	15,089	0	15,089	89.78

TOTAL MILLAGE 21.8298 AD VALOREM TAXES $329.39

Please Retain this Portion for your Records. Receipt Available Online.

LEGAL DESCRIPTION

SW1/4 OF SW1/4 OR W1/2 OF LOT 4
DEED APPEARS IN ERROR OR 4738/0321

NON-AD VALOREM ASSESSMENTS

LEVYING AUTHORITY	UNIT	RATE	AMOUNT

NON-AD VALOREM ASSESSMENTS $0.00

PAY ONLY ONE AMOUNT.

COMBINED TAXES AND ASSESSMENTS $329.39

IF PAID BY	Mar 31, 2024				
PLEASE PAY	$0.00				

JOHN POWER, CFC
ALACHUA COUNTY TAX COLLECTOR

2023 PAID REAL ESTATE 12108

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

PLEASE PAY IN U.S. FUNDS TO JOHN POWER, TAX COLLECTOR • P.O. Box 44310 • Jacksonville, FL 32231-4310

ACCOUNT NUMBER	PROPERTY ADDRESS
03008 000 000	UNASSIGNED LOCATION RE

TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

PAY ONLY ONE AMOUNT

	IF PAID BY	PLEASE PAY
☐	Mar 31, 2024	$0.00
☐		
☐		
☐		
☐		

WANT TO RECEIVE YOUR BILL ELECTRONICALLY NEXT YEAR? VISIT www.AlachuaCollector.com AND SIGN UP FOR E-BILLS!

Receipt # 23-0136191 $329.39 Paid 03/24/2024

RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 3230894 5 PG(S)
12/9/2019 2:25 PM
BOOK 4738 PAGE 321
J.K. JESS IRBY, ESQ.
Clerk of the Court, Alachua County, Florida
ERECORDED Receipt # 924842
Doc Stamp-Mort: $0.00
Doc Stamp-Deed: $20,741.70
Intang. Tax: $0.00

PREPARED BY AND RETURN TO:
Mary A. Robison, Esquire (KDB)
Fisher, Tousey, Leas & Ball, P.A.
501 Riverside Avenue, Suite 600
Jacksonville, Florida 32202

NOTE TO CLERK: CONSIDERATION ON THIS TRANSFER IS IN THE AMOUNT OF $2,963,090.51. DOCUMENTARY STAMP TAX IN THE AMOUNT OF $20,741.70 IS BEING PAID ON THIS TRANSFER.

SPECIAL WARRANTY DEED

THIS SPECIAL WARRANTY DEED, made and entered into as of the 5th day of December, 2019, by LUTHER ACQUISITIONS, LLC, a Florida limited liability company, and MEGAHEE ENTERPRISES, LTD., LLLP, a Florida limited liability limited partnership, successor by conversion to Megahee Enterprises, Ltd., a Florida limited partnership, the address for which is 2513 S.W. 50th Boulevard, Gainesville, Florida 32608 (collectively, the "Grantors"), to TARA FOREST, LLC, a Florida limited liability company, the address for which is 7717 N.W. 20th Lane, Gainesville, Florida 32605 (the "Grantee").

W I T N E S S E T H:

THAT, for and in consideration of the sum of Ten and No/100 Dollars ($10.00), and other good and valuable consideration, the receipt and sufficiency of which are acknowledged by Grantors, Grantors hereby grant, bargain, sell, convey and confirm unto Grantee all that certain real property together with the improvements thereon (collectively, the "Real Property") in Alachua County, Florida, and more particularly described as follows:

SEE EXHIBIT "A" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

RE Nos.: 03067-001-000, 03008-000-000, 03066-002-000 and 03020-000-000

TOGETHER WITH all the tenements, hereditaments and appurtenances thereto belonging or in any way appertaining.

TO HAVE AND TO HOLD the same unto Grantee in fee simple, forever.

Subject to conditions, covenants, restrictions, reservations, easements, rights-of-way, taxes assessed subsequent to December 31, 2019, and all applicable zoning ordinances; provided, however, this reference will not serve to reimpose any such conditions, covenants, restrictions, reservations or easements.

And Grantors do hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever, claiming by, through or under Grantors, but not otherwise.

IN WITNESS WHEREOF, Grantors have caused this Special Warranty Deed to be executed on their behalf as of the day and year first above written.

LUTHER ACQUISITIONS, LLC, a Florida limited liability company

By: _____
Joan M. Jones, Manager

_____
Witness Print Name: Nancy Perry

_____
Witness Print Name: Mary A Robison

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 4th day of December, 2019, by Joan M. Jones, Manager of LUTHER ACQUISITIONS, LLC, a Florida limited liability company, on behalf of the company, who [X] is personally known to me or [ ] has produced _____ as identification.

_____
Print Name: Mary A Robison
Title: Notary Public
Serial No. (if any) GG003460
Commission Expires: 10/6/20

Notary Stamp

MARY A. ROBISON
Commission # GG 003460
Expires October 6, 2020
Bonded Thru Troy Fain Insurance 800-385-7019

Signed, sealed and delivered
in the presence of:

Witness Print Name: Nancy Perry

Witness Print Name: Mary A Robison

MEGAHEE ENTERPRISES, LTD., LLLP,
a Florida limited liability limited partnership

By: _____
Joan M. Jones
Its: General Partner

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 4th day of December, 2019, by Joan M. Jones, a General Partner of MEGAHEE ENTERPRISES, LTD., LLLP, a Florida limited liability limited partnership, on behalf of the partnership, who [X] is personally known to me or [ ] has produced _____ as identification.

Notary Stamp

MARY A. ROBISON
Commission # GG 003460
Expires October 6, 2020
Bonded Thru Troy Fain Insurance 800-385-7019

Print Name: Mary A Robison
Title: Notary Public
Serial No. (if any) GG003460
Commission Expires: 10/6/20

987932

EXHIBIT "A"

Parcel One & Part of Parcel 7:

That part of the East ½ of Section 9, Township 8 South, Range 18 East, lying North of the North right of way of U.S. Highway 441,

Less and except the North ¼ of Government Lot 2; and

Less and Except the right of way of State Road 93 a/k/a Interstate I-75; and

Less and Except that part of Government Lot 7 lying East of the East right of way of State Road 93 a/k/a Interstate I-75;

Also Less and Except the following described property:

Commence at the Southeast corner of Section 9, Township 8 South, Range 18 East, and run North 3° 37' 28" West 286.74 feet to the North right of way of Old State Road No. 25; thence North 79°23'05" West along said right of way 1055.3 feet to its intersection with the West right of way of Interstate No. 75, thence run North 4°26'55" East along said Interstate Road right of way 212.91 feet to its intersection with the South right of way of State Road No. 25 (U.S. No. 441), thence run North 79°06'35" West along said State Road right of way 306.92 feet, thence run North 1°48' 35" West 205.01 feet, thence run North 79°06'35" West 355.34 feet to the North right of way of State Road No. 24 (U.S. No. 441) and the Point of Beginning, thence run North 79° 06'35" West along said right of way 175.00 feet, thence run North 10°53'25" East 175.00 feet, thence South 79°06'35" East 349.10 feet to the Westerly right of way of Interstate Road No. 75, thence South 27°21'25" West along said right of way 38.71 feet to the p.c. of a 34° 11'20" curve, having a radius of 170.10 feet, an internal angle of 73°32' and being concave to a Northwesterly direction, thence run in a Southwesterly direction along the arc of said right of way curve a distance of 215.08 feet to the P.T. of said curve, thence South 10° 53'25" West 16.00 feet to the Point of Beginning. All being and lying in Section 9, Township 8 South, Range 18 East, Alachua County, Florida.

Also Less and Except:

Commence at the Northeast corner of Government Lot Seven (7), Section Nine (9), Township Eight (8) South, Range Eighteen (18) East, and run South 01°48'22" East, along the East line of said Government Lot Seven (7), 1677.39 feet; thence run North 79°06'35" West, 351.65 feet to the intersection with the West right of way line of Interstate Highway No. 75 and the North right of way line of U.S. Highway 441; thence run North 79°06'35" West, along said North right of way line 175.00 feet to the Point of Beginning; thence continue North 79°06'35" West along said North right of way line, 175.00 feet; thence run North 10°53'25" East, 175.00 feet; thence run South 79°06'35" East, 175.00 feet; thence run South 10°53'25" West, 175.00 feet; to the Point of Beginning.

Together with the following described lands:

The East Sixty-four and 79/100 (64.79) feet of that part of Government Lot Three (3), in Section Fifteen (15), Township Eight (8) South, Range Eighteen (18) East, lying North and East of State Roads Nos. 20 and 25, Alachua County, Florida.
And That part of Government Lot Three (3), in Section Fifteen (15), Township Eight (8) South, Range Eighteen (18) East, lying North and East of U.S. Highway 441 less the East Sixty-four and 79/100 (64.79) feet, Alachua County, Florida.
Less and Except therefrom the lands described in Official Records Book 4334, Page 1074 in favor of the City of Alachua, of the Public Records of Alachua County, Florida.

Together with the following described parcel:

The West ½ of Section 10, Township 8 South, Range 18 East, lying North of the North right of way of U.S. Highway 441, Alachua County, Florida. Less and Except the Southwest ¼ of the Southwest ¼, but including that part of the Southwest ¼ of the Southwest ¼ lying within the following described property:

Commence at the Southwest corner of Section 10, Township 8 South, Range 18 East and run North 1°48'58" West along the West line of said Section 1352.21 feet to the Point of Beginning; thence continue North 01°48'58" West along said West Section line 562.78 feet; thence run South 36°22'41" East 524.13 feet; thence run North 89°12'27" East 1039.09 feet; thence run South 38°29'43" East 109 feet, thence run South 87°09'17" West, 1401.60 feet to the West line of Section 10, Township 8 South, Range 18 East and the Point of Beginning. All being and lying in the Southwest ¼ of Section 10, Township 8 South, Range 18 East, Alachua County, Florida.

Parcel Two:

The Southwest ¼ of the Southwest ¼ of the West ½ of Lot 4, all lying and being in Section 3, Township 8 South, Range 18 East, Alachua County, Florida.

Parcel Three:

A tract of land situated in Section 10, Township 8 South, Range 18 East, Alachua County, Florida, said tract of land being more particularly described as follows:
Commence at a concrete monument at the Southwest corner of aforementioned Section 10, Township 8 South, Range 18 East for a point of reference and run North 88°24'02"East, along the South line of said Section 10, a distance of 792.27 feet; thence run North 00° 39'21" West, along the East line of the West 792.16 feet of the Southwest ¼ of the Southwest ¼ of said Section 10, a distance of 508.06 feet to a concrete monument (LS#3456) on the Northerly right of way line of State Road 20-25 a/k/a U.S. Highway 441 (200 foot right of way); thence run South 77°51'07"East, along said Northerly right of way line, a distance of 143.86 feet to a concrete monument (LS#3456) and the True Point of Beginning; thence run North 12°08'53" East, a distance of 200.00 feet to a concrete monument (LS#3456); thence run South 77°51'07"East, a distance of 59.81 feet to a concrete monument (LS#3456); thence run North 60°49'36" East, a distance of 101.29 feet to a concrete monument (LS#3456); thence run North 07°01'30" East, a distance of 70.52 feet to a concrete monument (LS#3456); thence run North 28°08'16"West, a distance of 91.36 feet to a concrete monument (LS#3456); thence run North 60°43'36" East, a distance of 367.96 feet to a concrete monument (LS#3456) on the East line of the aforementioned Southwest ¼ of the Southwest ¼ of Section 10; thence run South 00°00'26" East, along said East line, a distance of 665.16 feet to a concrete monument (LS#940) on the aforementioned Northerly right of way line; thence run North 77°51'07" West, along said Northerly right of way line, a distance of 486.49 feet to the True Point of Beginning.

Balance of Parcel 7:

The South ½ of the East ½ of Government Lot 7, in Section 4, Township 8 South, Range 18 East, Alachua County, Florida. Less and Except the right of way of State Road No. 93 a/k/a Interstate 75, and Less and Except the 66-foot access road.

2021 FLORIDA LIMITED LIABILITY COMPANY ANNUAL REPORT

FILED
Jan 16, 2021
Secretary of State
6447261221CC

DOCUMENT# L19000063160

Entity Name: TARA FOREST, LLC

Current Principal Place of Business:

7717 NW 20TH LANE
GAINESVILLE, FL 32605

Current Mailing Address:

7717 NW 20TH LANE
GAINESVILLE, FL 32605

FEI Number: 83-3950511

Certificate of Status Desired: No

Name and Address of Current Registered Agent:

MOUKHTARA, SAYED
7717 NW 20TH LANE
GAINESVILLE, FL 32605 US

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE:

Electronic Signature of Registered Agent — Date

Authorized Person(s) Detail :

Title	AMBR, MANAGER	Title	AMBR
Name	MOUKHTARA, SAYED	Name	LASSEN, BERIT
Address	7717 NW 20TH LANE	Address	7717 NW 20TH LANE
City-State-Zip:	GAINESVILLE FL 32605	City-State-Zip:	GAINESVILLE FL 32605

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am a managing member or manager of the limited liability company or the receiver or trustee empowered to execute this report as required by Chapter 605, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: SAYED MOUKHTARA MANAGER 01/16/2021

Electronic Signature of Signing Authorized Person(s) Detail — Date

ALATB15081F

John Power TAX COLLECTOR
Serving Alachua County

2020 PAID REAL ESTATE 12108

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

ACCOUNT NUMBER	ESCROW CD		MILLAGE CODE
03008 000 000		APPLICABLE VALUES AND EXEMPTIONS BELOW	1700

UNASSIGNED LOCATION RE

SW1/4 OF SW1/4 OR W1/2 OF LOT 4 DEED APPEARS IN ERROR
See Additional Legal on Tax Roll

TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

AD VALOREM TAXES

TAXING AUTHORITY	MILLAGE RATE	ASSESSED VALUE	EXEMPTION(S)	TAXABLE VALUE	TAXES LEVIED
BOARD OF COUNTY COMMISSIONERS					
CNTY GENERAL	7.8935	16,513	0	16,513	130.35
ALACHUA CNTY LIBRARY DISTRICT					
LIBRARY GENERAL	1.1289	16,513	0	16,513	18.64
SCHOOL BOARD OF ALACHUA COUNTY					
SCHL CAP35 PROJECT (S01)	1.5000	16,513	0	16,513	24.77
SCHL DISCRNRY & CN (S01)	0.7480	16,513	0	16,513	12.35
SCHL GENERAL	3.6670	16,513	0	16,513	60.55
SCHOOL VOTED (S01)	1.0000	16,513	0	16,513	16.51
SUWANNEE RIVER WATER MGT DIST	0.3696	16,513	0	16,513	6.10
17 CITY OF ALACHUA	5.3900	16,513	0	16,513	89.01
CHILDREN'S TRUST	0.5000	16,513	0	16,513	8.26

TOTAL MILLAGE 22.1970 **AD VALOREM TAXES** $366.54

WANT TO RECEIVE YOUR BILL ELECTRONICALLY NEXT YEAR? VISIT www.AlachuaCollector.com AND SIGN UP FOR E-BILLS!

PAY ONLINE WITH E-CHECK

SCAN TO PAY

NON-AD VALOREM ASSESSMENTS

LEVYING AUTHORITY	UNIT	RATE	AMOUNT
NON-AD VALOREM ASSESSMENTS			$0.00

PAY ONLY ONE AMOUNT.

COMBINED TAXES AND ASSESSMENTS $366.54

If Paid By	Nov 30, 2020				
Please Pay	$0.00				

Please Retain this Portion for your Records. Receipt Available Online.

JOHN POWER, CFC
ALACHUA COUNTY TAX COLLECTOR

2020 PAID REAL ESTATE 12108

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

PLEASE PAY IN U.S. FUNDS (NO POSTDATED CHECKS) TO JOHN POWER, TAX COLLECTOR • 12 SE 1st ST, GAINESVILLE, FL 32601

ACCOUNT NUMBER	SITUS	MESSAGE
03008 000 000	UNASSIGNED LOCATION RE	

TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

IF PAID BY	PLEASE PAY
☐ Nov 30, 2020	$0.00
☐	
☐	
☐	
☐	

Receipt # 20-0044394 $351.88 Paid 11/30/2020

ALATB15081F

John Power TAX COLLECTOR Serving Alachua County
FLORIDA STERLING AWARD RECIPIENT

2023 PAID REAL ESTATE 12766

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

ACCOUNT NUMBER	PROPERTY ADDRESS	MILLAGE CODE
03067 001 000	UNASSIGNED LOCATION RE	1700

TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

EXEMPTIONS:

SCAN TO PAY ONLINE

AD VALOREM TAXES

TAXING AUTHORITY	MILLAGE RATE	ASSESSED VALUE	EXEMPTION(S)	TAXABLE VALUE	TAXES LEVIED
COUNTY GENERAL	7.6414	101,470	0	101,470	775.37
LIBRARY GENERAL	1.0339	101,470	0	101,470	104.91
SCHOOL CAP PROJECT	1.5000	101,470	0	101,470	152.21
SCHOOL DISCRNRY & CN	0.7480	101,470	0	101,470	75.90
SCHOOL GENERAL	3.1840	101,470	0	101,470	323.08
SCHOOL VOTED	1.0000	101,470	0	101,470	101.47
CHILDREN'S TRUST	0.4612	101,470	0	101,470	46.80
SUWANNEE RIVER WATER MGT DIST	0.3113	101,470	0	101,470	31.59
CITY OF ALACHUA	5.9500	101,470	0	101,470	603.75

TOTAL MILLAGE 21.8298 AD VALOREM TAXES $2,215.08

Please Retain this Portion for your Records. Receipt Available Online.

LEGAL DESCRIPTION

W1/2 N OF HIWAY LESS S 995.32 FT OF SW 1/4 OF SW1/4)ALSO IN SEC 15-8-18 THAT PAR
See Additional Legal on Tax Roll

NON-AD VALOREM ASSESSMENTS

LEVYING AUTHORITY	UNIT	RATE	AMOUNT

NON-AD VALOREM ASSESSMENTS $0.00

PAY ONLY ONE AMOUNT.

COMBINED TAXES AND ASSESSMENTS	$2,215.08

IF PAID BY	Mar 31, 2024				
PLEASE PAY	$0.00				

JOHN POWER, CFC
ALACHUA COUNTY TAX COLLECTOR

2023 PAID REAL ESTATE 12766

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

PLEASE PAY IN U.S. FUNDS TO JOHN POWER, TAX COLLECTOR • P.O. Box 44310 • Jacksonville, FL 32231-4310

ACCOUNT NUMBER	PROPERTY ADDRESS
03067 001 000	UNASSIGNED LOCATION RE

TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

PAY ONLY ONE AMOUNT

	IF PAID BY	PLEASE PAY
☐	Mar 31, 2024	$0.00
☐		
☐		
☐		
☐		

WANT TO RECEIVE YOUR BILL ELECTRONICALLY NEXT YEAR? VISIT www.AlachuaCollector.com AND SIGN UP FOR E-BILLS!

Receipt # 23-0136191 $2,215.08 Paid 03/24/2024

Alpha Envirotech Consulting, Inc.

PHASE II ARCHAEOLOGICAL INVESTIGATIONS OF THE TARA PHOENICIA SITE (8AL07459) AND THE TARA FOREST MOUND SITE (8AL07466) ALACHUA COUNTY, FLORIDA

Prepared for:
The City of Alachua

Tara Forest, LLC
Gainesville, Florida

Prepared by:
Alpha Envirotech Consulting, Inc.
Jacksonville, Florida

April 2023

Alpha Envirotech Consulting, Inc.

April 25, 2023

Tara Forest, LLC
Attn: Mr. Sayed Moukhtara
7717 NW 20th Lane
Gainesville, FL 32605

RE Phase II Archaeological Investigations
The Tara Phoenicia Site (8AL07459)
The Tara Forest Mound Site (8AL7466)
Alachua County, Florida
AEC Project No.: 0065-0010

Dear Mr. Moukhtara:

Alpha Environmental Consulting, Inc. (AEC) has completed a Phase II Archaeological Investigations of the above referenced sites. The assessment was conducted in accordance with the Section 106 of the National Historic Preservation Act of 1966 (Public Law 89-665) as amended, 36 CFR Part 800: Protection of Historic Properties, and Chapter 267, Florida Statutes, any client specific scope of work provided, and generally accepted industry standards.

This report was prepared solely for the use of Tara Forest, LLC (hereinafter "Client" or "User") and JBPro. No other party shall have the right to rely on this report or the findings herein, without the prior written consent of AEC.

Sincerely,

Alpha Envirotech Consulting, Inc.

Dana Ste.Claire, M.A., RPA
Professional Associate

Amy Fu, P.E.
Principal

Alpha Envirotech Consulting, Inc.
8681 Ethans Glen Terrace, Jacksonville, FL 32256
www.aenvirotech.com
904.382.0083

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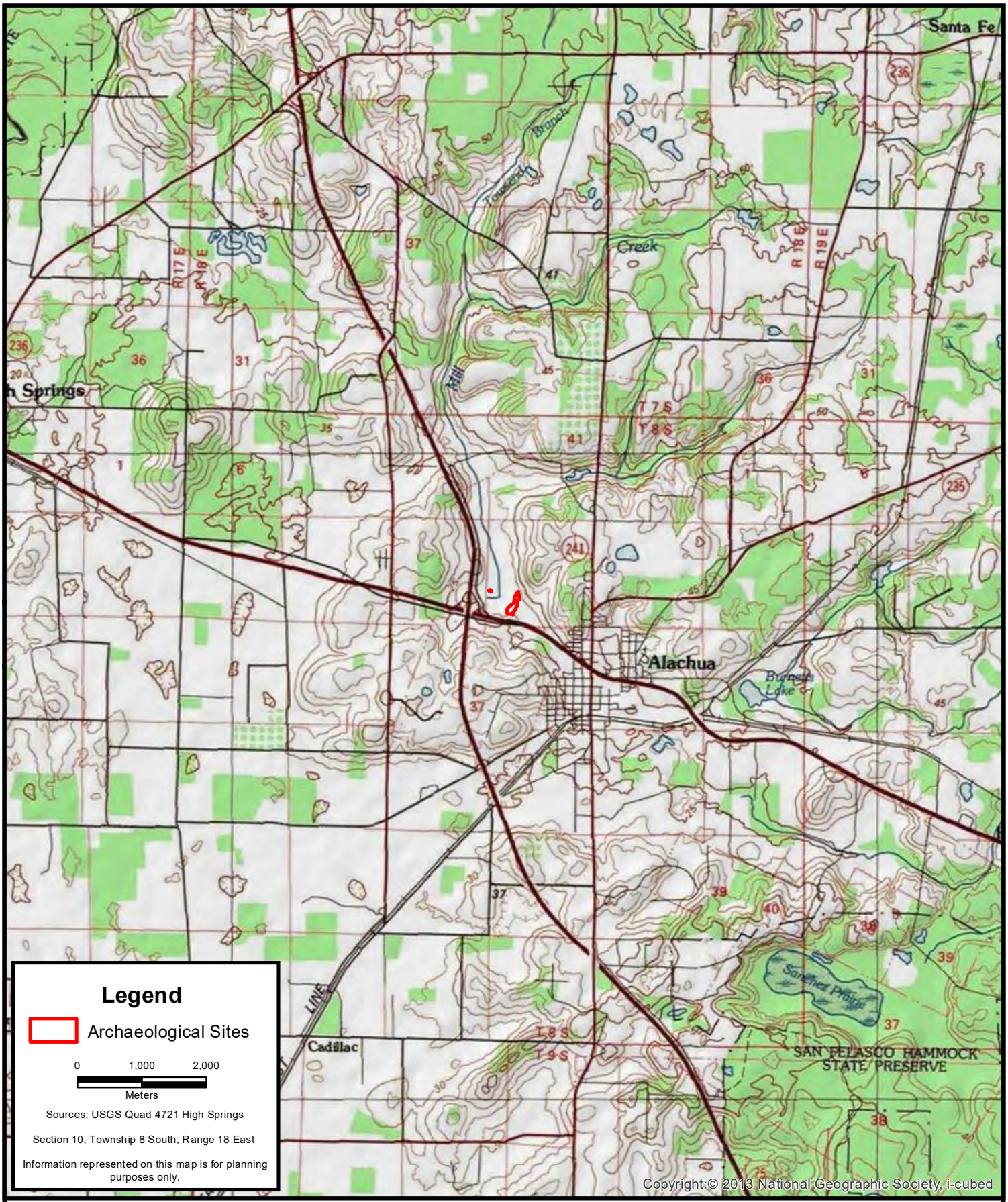
1.0 INTRODUCTION

From May through August of 2022, Advanced Archaeology, Inc., conducted Phase I cultural resource assessment surveys of the 44.40-acre Tara Phoenicia, the abutting 200-acre Tara Forest West and the adjacent 100-acre Tara Forest Additional Project Areas properties in Alachua, Florida (Mankowski 2022). During these three separate archaeological surveys, seven prehistoric sites were identified, including the Alachua Field site (8AL00166) that was originally recorded in the 1950s. Based on all field data and testing, Advanced Archaeology, Inc., determined (and recommended to the State Historic Preservation Office (SHPO) that sites 8AL07452, 8AL07461, 8AL07462, and 8AL07463, as well as 8AL00166, were not eligible for listing in the *National Register of Historic Places*. The consultant also identified, recorded, and delineated the general boundaries of the Tara Phoenicia site (8AL07459), an Archaic period to late prehistoric period (ca. 7,000 B.C. – A.D. 1,000) site characterized by deposits of prehistoric lithics and ceramics in varying frequencies, and the Tara Forest Mound Site (8AL07466), described as a low-lying prehistoric "sand mound." Advanced Archaeology, Inc. recommended to the SHPO that both sites were potentially NR eligible and due to the diversity of the artifact assemblage and research potential, as well as the unknown nature and vertical extent of the sites, recommended that Phase II archaeological investigations be conducted at 8AL07459 and 8AL07466 to determine their condition, integrity, and *National Register* eligibility status. The Tara Forest Mound Site (8AL07466) was suggested to be potentially eligible for listing in the *National Register of Historic Places* under Criteria D. The Tara Phoenicia site (8AL07459) and the Tara Forest Mound Site (8AL07466) are located within the city limits of Alachua, Alachua County, just north of Highway 441 and east of the I-75 interchange with U.S. 441; Section 10, Township 8 South, Range 18 East (see Figures 1 & 2).

This document reports the findings of Phase II archaeological investigations of 8AL07459 and 8AL7466 conducted in February and March 2023 by Alpha Envirotech Consulting, Inc., to address the requirements of the Florida Division of Historical Resources (DHR)/State Historic Preservation Office (SHPO) pursuant to State cultural resource provisions contained in Section 380.06, Chapters 267 and 373, *Florida Statutes*. The authority for this procedure is Section 106 of the National Historic Preservation Act of 1966 (Public Law 89-665 amended), and 36 CFR Part 800: Protection of Historic Properties. The State Historic Preservation Office (SHPO) advises agencies as they identify historic properties (listed or eligible for listing in the *National Register of Historic Places*), assess effects upon them, and consider alternatives to avoid or minimize adverse effects. This report will also address the requirements of the City of Alachua and Alachua County Land Development Codes.

This report address Phase II archaeological investigations of 8AL07459 and 8AL07466. For background research, including the regional cultural prehistory and history, environmental overview, previous archaeological investigations, and a summary of the other sites identified one and in the immediate proximity of the project area, the reader (and reviewer) is referred to the Phase I CRAS reports generated for the Tara Phoenicia properties (Mankowski 2022a, 2022b & 2022c).



ALPHA ENVIROTECH CONSULTING, INC.

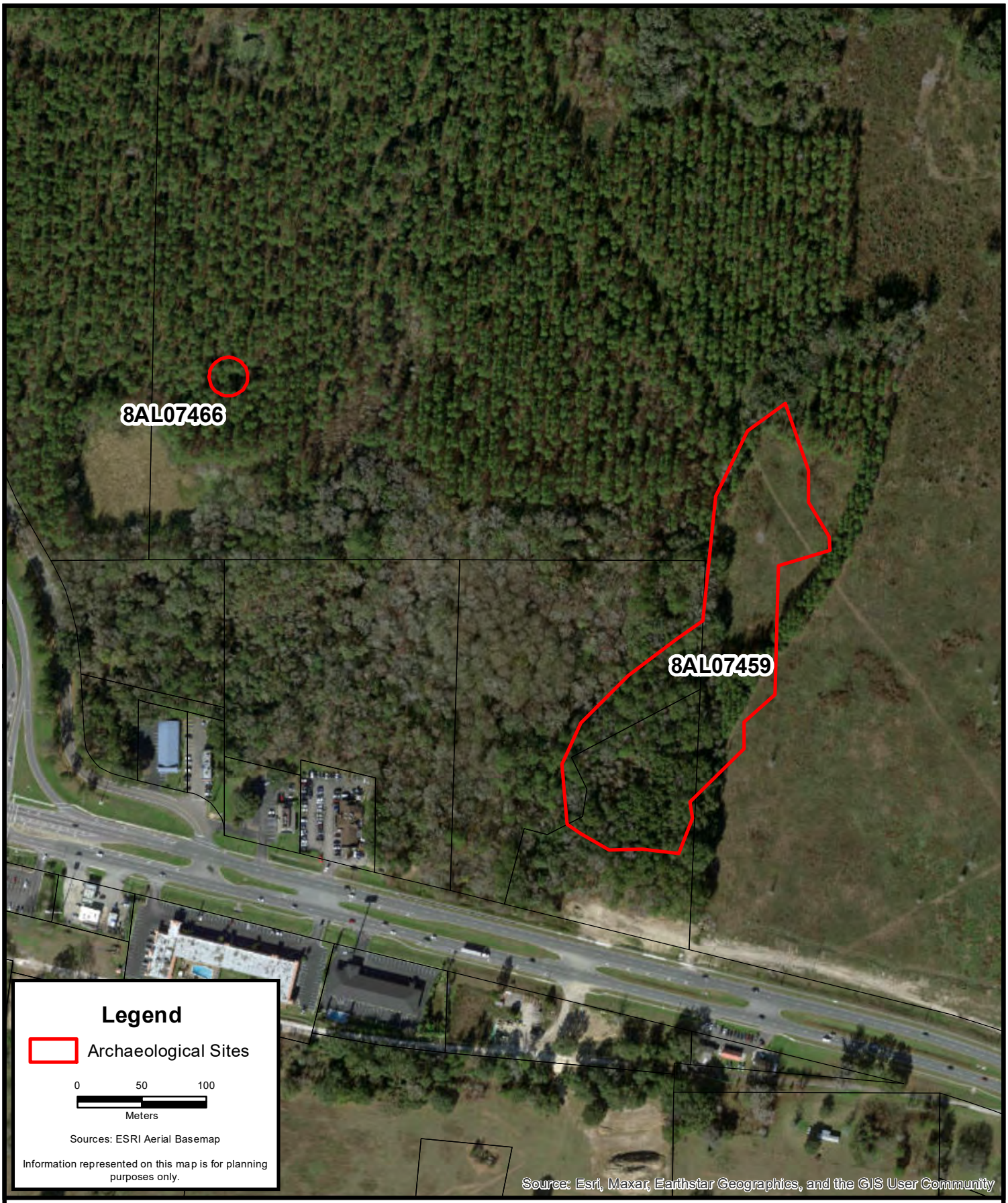
Topographic Location Map

Tara Phoenicia (8AL07459)

Tara Forest Mound (8AL07466)

Project: 0065-0010	Alachua County, FL	Date: Apr 05 2023

Figure: 1



ALPHA ENVIROTECH CONSULTING, INC.

Archaeological Sites

Tara Phoenicia (8AL07459)
Tara Forest Mound (8AL07466)

Project: 0065-0010	Alachua County, FL	Date: Apr 05 2023

Figure: 2

2.0 ALACHUA COUNTY PREHISTORY

Alachua County is located within the Florida's North Central region defined by Milanich (1994). Although archaeology across the county has been limited, indigenous groups spanning the early Weeden Island through Modern periods have been documented within the area's archeological record.

Present-day Florida's earliest occupation occurred during the Paleoindian period, which began some 15,000 years ago. The Florida climate during this period was cooler and drier than today, and freshwater was more difficult to find due to lower sea levels. As a result of the drier climate, many archaeologists believe that these early Floridians relied, in part, on waterholes, sinkholes, and lakes for drinkable water and, along with coastal areas, subsistence and other resources. Similarly, the distribution of recorded Paleoindian sites in Florida suggests that the presence of high-grade chert or limestone outcroppings, which were necessary for tool production, including Suwannee and Simpson projectile points, influenced migration and settlement patterns.

Recent research on Paleoindian sites, such as the Harney Flats site, located in Hillsborough County, has changed the thinking on early prehistoric peoples in Florida and the Southeast (Dunbar 2012; Halligan 2012; Webb 2006). Paleoindian settlement is believed to have been more specialized and sedentary than once thought, particularly in how Pleistocene megafauna such as mastodons were hunted and processed. Data recovered from excavations at Harney Flats site suggests that Paleoindian groups seasonally inhabited areas near freshwater and also demonstrates the need for the continued identification and investigation of terrestrial Paleoindian sites in Florida (Daniel and Wisenbaker 1987).

Climatic changes in Florida during the end of the Pleistocene period correspond with distinct cultural changes that mark the beginning of the Archaic period (7,500 to 1000 B.C.). A warmer climate and wetter conditions due to higher sea levels allowed for a wide variety of new food resources and shifts in settlement patterns and site types. As mesic oak-hickory forests emerged on the landscape and the megafauna of the preceding Pleistocene gradually became extinct, Florida's occupants during this time heavily relied on a diverse variety of small game, fish wild nuts and plants, and freshwater snails for subsistence (Milanich and Fairbanks 1980).

Changes in subsistence also coincided with changes in tool production, as the stone tools once used for hunting and processing megafauna and large game were no longer required. The most common artifacts of the Archaic consist of large, stemmed spear point types that include several variations (Hillsborough, Newnan, Alachua, Putnam, and Marion types). Unlike the highly specialized tools of the Paleoindian period, Archaic stone tools appear to have been used for a variety of purposes and discarded more frequently. Populations also became increasingly more sedentary during this time, resulting in a variety of new site types emerging, such as base camps, short-term camps, procurement camps, and cemeteries. During the Late Archaic, indigenous groups also began making the earliest pottery. These crude fiber-tempered ceramics, known as Orange wares, were constructed using slab techniques and include incised, punctated, and simple stamped designs.

The Deptford cultural tradition is primarily associated by a shift in ceramic technology as sand- or grit-tempered pottery created using coil construction gradually replaced Orange fiber-tempered pottery. During this transitional period, which extended from 1,000 to 500 B.C., coastal regions became more heavily populated, while interior locations served primarily for short-term use. By 500 B.C., two primary cultural traditions dominated the region: Deptford and St. Johns.

The Deptford tradition (500 B.C. to A.D. 200), which is not well represented in North Central Florida, is primarily a coastal tradition. Subsistence practices focused most heavily on marine and coastal resources. Deptford groups relied on wild game and plants to supplement their diets. Ceramics include grit- and sand-tempered pottery with paddle-stamped designs.

Similarly, the St. Johns tradition (500 B.C. to 1565 A.D.) is also primarily concentration within coastal regions. The heaviest concentrations of St. Johns sites have been recorded in North Florida and North, North Central Florida along the St. Johns River and its tributaries. Like the Deptford groups, St. Johns populations heavily exploited coastal and marine resources, especially oysters and fish. St. Johns ceramics are distinct in the presence of a chalky paste containing sponge spicules. Pottery decoration includes check-stamped, incised, and some red filmed.

Beginning circa 200 A.D., two new cultural traditions emerged in the region: Cades Pond and Weeden Island. Weeden Island sites, which include village sites with associated burial mounds and mound complexes, are generally found along the bays, the Gulf of Mexico, and along inland rivers or streams. Weeden Island ceramics are sand-tempered and include a variety of decorations and surface treatments including burnished, punctated, incised, red-filmed, and stamped (Willey 1949).

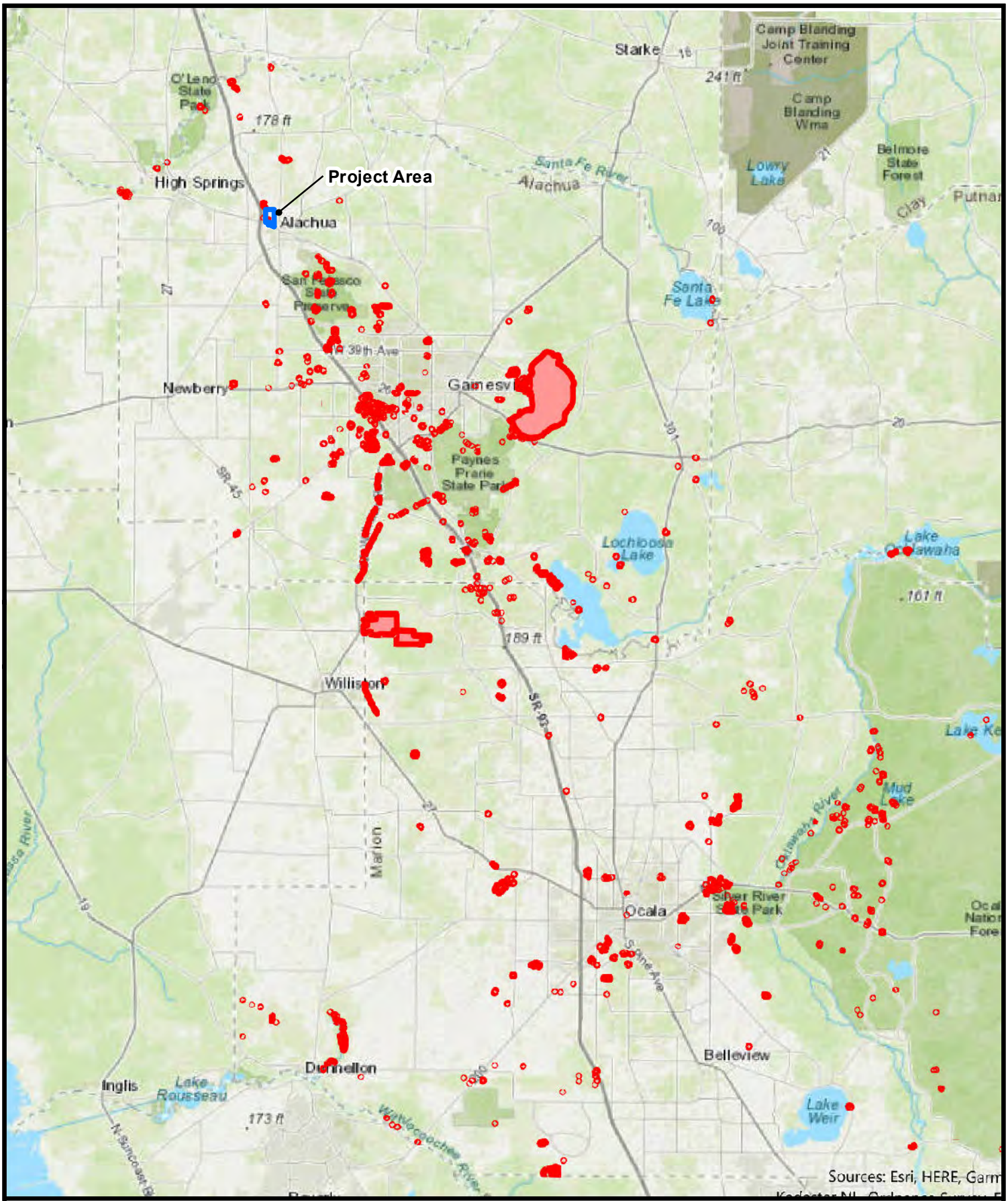
The Cades Pond dominated North Central Florida during this time. Cades Pond populations are noteworthy for their harvest economy in which marsh and aquatic environments were heavily exploited. Cades Pond pottery consists primarily of plain, undecorated ceramics. Weeden Island and St. Johns types are often recovered from Cades Pond sites. Site types include ceremonial complexes with ponds, earthworks, villages, and mounds and villages with or without mounds (Hemmings 1978).

The period between AD 800 to 1700 is associated with the Alachua tradition, which is subdivided into four subperiods: Hickory Pond, Alachua, Potano I, and Potano II. The peoples associated with Hickory Pond are believed to have migrated into the area from southeastern Georgia after A.D. 600. Hickory Pond groups relied on extensive horticulture, and sites are primarily positioned along high grounds with well-drained soils and nearby freshwater sources. Hickory Pond ceramics are sand tempered. Decorations include punctations, cord marking, and net impressing. The most prevalent types are Alachua Net Impressed, Prairie Cord Marked, and Lochloosa Punctated.

3.0 ARCHAIC PERIOD LITHIC RESOURCE SITES IN ALACHUA AND MARION COUNTIES

The Tara Phoenicia sites occupy a prominent position in a geologic landform known as the Ocala Uplift, a region characterized by extensive chert outcrops that were utilized by prehistoric Native Americans for thousands of years, particularly by Archaic period people (see Figure 3, Archaic site distribution map in Alachua and Marion Counties). Because of this occurrence, an overview of Archaic settlement and lithic resource extraction patterns in the Central Highlands region is important in understanding Tara Phoenicia in a broader cultural context and settlement model. The Archaic period in Florida is defined by lithic technologies and cultural practices that correspond with human adaption to warmer, wetter environmental and climatic conditions of the Holocene. These conditions over many generations resulted in increasing population and changes visible in the archaeological record after 8,000 BC (Milanich 1994: 62-63). The changing environmental conditions during the early Archaic periods resulted in increased surface water flow and erosion as temperatures and sea levels rose, exposing new lithic sources. A notable increase in reliance of these local, coarse-grained raw materials can be seen archaeologically. The previously available fine-grained lithic sources utilized during the Paleoindian period may have been inundated by rising sea levels or exhausted by over-exploitation. In consequence, new lithic technologies were practiced by exploiting and manipulating the available coarser-grained lithic resources (Goodyear 1979:10; Ste. Claire 1987:206). This study focuses on the type sites in Alachua and Marion counties associated with the Archaic period.

Around 7,500 B.C., the lanceolate points that define the Paleoindian points and knives were no longer made and instead replaced by a variety of stemmed tools such as Kirk, Wacissa, Hamilton, and Arredondo types (Bullen 1975; Milanich 1994: 63). Additionally, the changing environment also led to the extinction of some of the larger Pleistocene animal species, resulting in the reliance of smaller game and new ecosystems. These changes correspond with the smaller size points and knives produced to adapt to the changing environment. Early Archaic people had access to more fresh water in areas that were previously cold and dry and not suitable for Paleoindian hunters. This allowed early Archaic people to hunt and collect in new site locations based around these new-found resources which transformed from a nomadic Paleoindian subsistence pattern into growing, more sedentary lifestyles along coastal and riverine environments observed during the later Middle Archaic Period (Milanich 1994: 63-64). Studies discerning Early Archaic Bolen spatial and temporal distribution in north central Florida have also been conducted examining the transition from lanceolate-shaped points from the Late Paleoindian period to notched points from the Early Archaic (Thulman 2018: 257, 273). Their interpretations suggested the variation in Bolen hafts is likely made by distinct social groups carrying on point-making traditions, since basal measurements did not reflect functional differences due to environment or resource availability and point types were not evenly distributed in regions (Thulman 2018: 273). Other sites with Paleoindian and Early Archaic components are the Newnan site (8AL356), Payne's Town (8AL366), San Felasco Hammock (8AL461), Rainbow Springs 3 (8MR208), and the Oak Hammock Site (8MR1920) (FMSF).



AEC
ALPHA ENVIROTECH CONSULTING, INC.

Archaic Site Distribution Map
Tara Phoenicia (8AL07459)
Tara Forest Mound (8AL07466)

Project: 0065-0010	Alachua County, FL	Date: Apr 24 2023	Figure: 3

Archaeological evidence for these settlement changes exists from the Early Archaic material found with Paleoindian material from other sites such as Page/Ladson, Little Salt Springs, and Warm Mineral Springs (Milanich 1994:64). Archaic sites also appear more distributed on land while Paleoindian sites are usually inundated with water. Both Paleoindian and Early Archaic peoples established camps around water sources, but the new climatic conditions and fresh water allowed people to sustain larger populations, occupy sites for longer, and perform certain occupation at specific locations. Archaeologically this can be noted by the increase in sites, locations, larger population size, a greater range of tools, and sites with significant number of burials compared to the previous period (Milanich 1994: 67,70). The areas around northern Florida, such as Payne's Prairie and Orange Lake in Alachua and Marion counties provided perched water sources that today yield large quantities of Early Archaic points on the surface, while Paleoindian artifacts are few if not present at all. This pattern was largely documented from collections in Alachua and Marion counties that furthered Archaic period studies throughout the rest of northern Florida (Milanich 1994: 63-64).

The early Archaic period was dryer than present, but by about 3,000 B.C. environmental and climatic conditions became progressively more like the present (Milanich 1994:75). During this era, Middle Archaic sites are found in a variety of locations such as the freshwater shell middens on the St. Johns River and the Atlantic lagoon, the marine shell middens along the Hillsborough River drainage, and the forest of the interior of northern Florida (Milanich 1994:76). Around 5,000 years ago, two basic patterns appear to have developed in peninsular Florida. One pattern emphasizes subsistence on hunting in the upland areas such as the central highlands while the other focuses on fishing and collecting mollusks in lowland aquatic zones such as the St. Johns valley (Goggin 1949; Hemmings and Kohler 1974:45). Lowland sites contain numerous refuse heaps and shell middens that preserved evidence of food remains such as fish, shellfish, mammals both large and small, birds, reptiles and wild plants. In contrast, the uplands consist largely of scattered lithic sites or concentrations of stone tools and toolmaking debris, with little else preserved in the sandy upland soils. The knowledge of the relationship between these site patterns is continually growing as more archaeological research is conducted. The orientation of sites around aquatic areas, and the discovery of Archaic canoes in the area suggest an importance of water travel (Hemmings and Kohler 1974:45; Wheeler et al. 2003). Mounting evidence indicates Archaic groups moved between the uplands and lowlands to take advantage of specific resources.

Small special-use Middle Archaic sites are frequent in the central highlands and appear as lithic scatters. The evidence of the process of extracting lithic material such as chert can be found at quarry sites. Quarry sites are evident by the types of lithic debitage, or waste flakes, left behind when chert is mined and roughly shaped before being transported to another location to be worked into tools (Milanich 1994:78). Special-use camp sites are characterized by lithic debitage and tools such as points, knives, scrapers, and a few larger chopping or hammering tools. Floral and faunal remains are rarely found preserved at these sites because unfavorable soil conditions. These small, camp-size sites were probably used for hunting and collecting on a seasonal basis (Milanich 1994: 78). Larger sites are less common but likely represent central-base settlements occupied by larger groups of people. These sites may cover a large area and contain tens of thousands of chert flakes and tools. The large quantities of lithic flakes and tools found at larger sites contrast sharply with the small quantities at special-use sites (Milanich 1994: 78).

One of the larger, most well-known pre-pottery Archaic type sites, The Newnan site (8AL356) lay east of Gainesville on the high ground separating Newnan's Lake from Payne's Prairie (Milanich 1994: 79). Clausen (1964:8-12) reported the site consisted of a Middle Archaic artifact assemblage of Florida Archaic stemmed, broad-blade lithic projectile points including the Newnan point which is the most distinctive and widespread (Bullen 1975:31; Milanich 1994:76; Wheeler et al 2003:534). The 8AL356 artifact assemblage contained 186 Middle Archaic stemmed projectile points, 95% of these are Newnan points (Clausen 1964; Milanich 1994:80). Other tools include ovate blanks that were probably brought from quarry sites to make points, bifacial knives with rounded or squared bases, sandstone hones, hammerstones, and cruciform drills. The high quantity of flakes, cores, blades, and utilized blades are associated with the well-developed blade industry that makes the 8AL356 site unique considering only a small portion of the site was excavated (Milanich 1994:80). Evidence of thermal alteration, or heat-treated lithics also appeared in 94% of the Newnan projectile points from the type site (Ste. Claire 1987: 206).

Thermal alteration is the slow heating and cooling of the lithic raw material to facilitate flaking to strengthen the coarse-grained lithic material which may cause the product to change colors such as red, become glassy or lustrous, and easier to work (Dickinson and Wayne 2012:27-30; Milanich 1994:76; Purdy 1971; Rick and Chappell 1983; Ste. Claire 1987). Purdy (1971) believed thermal alteration began in the Early Archaic period and continued through the remaining prehistoric periods, but further research by Ste. Claire (1987) confirms practice began in the Early archaic, peaked in the Middle Archaic, and declined during the Transitional Period. Considering the reuse and salvage of lithics by later generations, Ste. Claire also speculated that even though there was a slight increase of thermal alteration after the Transitional period, overall the practice gradually decreased through time. Thus, site 8AL356 and other sites with large quantities of thermally altered materials may indicate a Middle Archaic occupation (Dickinson and Wayne 2012: 27-30; Ste. Claire 1987)

Other point types associated with the Middle Archaic in the area are the Hillsborough, Putnam, Levy, Marion, and Alachua types (Bullen 1975:32; Milanich 1994:76). Clausen (1964:20-21,38-39) noted the distribution of stemmed points and lithic artifacts and suggested there was a relationship between the pre-pottery culture of the Newnan's Lake area and the Mount Taylor culture to the east on the St. Johns River basin (Wheeler et al 2003:534). The relationship between these two areas continues into the subsequent Late Archaic Orange culture indicated by the presence of fiber temper pottery post 2000 B.C. (Milanich 1994: 88; Wheeler et al 2003:534).

On the north side of Lake Newnan, 55 canoes were discovered in 2000 during a drought. The Florida Bureau of Archaeological Research radiocarbon dated 41 of the specimens from The Lake Pithlachocco Canoe site (8AL4792) yielding date ranges from 2300 to 5000 B.P. (Wheeler et al. 2003: 533, 546). The results demonstrate canoes were part of the Archaic adaption to the interconnected aquatic environments. The craftmanship also implies the canoe making traditions during the Archaic period persisted into European contact. The continuity of this watercraft tradition is so persistent it is difficult to distinguish between earlier and later periods (Wheeler et al 2003:546, 548). As of 2003, 16 Archaic period sites were known in the vicinity of Newnan's Lake, most are southwest of the lake, including site 8AL356 (Wheeler et al. 2003: 534). Some sites lay directly on the lake shore, while others lay upland on hills overlooking the lake or other

small ponds and marshes. At least six of these sites have Orange Plain and Orange Incised fiber tempered pottery, indicating Lake Newnan was occupied throughout the Middle and Late Archaic (Wheeler et al. 2003: 534).

The Lake Kanapaha site (8AL172) is also representative of the upland Archaic tradition and lay along the western shoreline of Lake Kanapaha in central Alachua County. The name of the Lake Kanapaha derives from the Timucua word for "palmetto leaves" and "house," referring to the thatched dwellings built by historic Indians from the Province of Potano, this area aligns with much of Alachua County (Hemmings and Kohler 1974:46-47; Simpson 1956:66-67). The site consists of buried concentrations of Archaic stone tools and debris as well as Woodland ceramics. Site 8AL172 and other similar sites in the vicinity contain evidence of quarrying chert and stone tool production. Quarrying chert activity occurs widespread in this region with little evidence of continual utilization and occupation of these sites. The local chert appears to have been used expediently in archaic and later occupation sites (Hemmings and Kohler 1974:45-6).

Hemmings and Kohler (1974) encountered three general zones; the top foot of the site contained the ceramic zone, interpreted as small intermittent camps along the shoreline dating to the Deptford period (500 B.C. to 200 A.D.); from Levy zone from 1 foot to 2.5 feet the Levy zone contained Florida Archaic Stemmed types such as Levy, as well as scrapers, bifaces, cores, planes, and other tools dating to the Late Archaic Period between 5000 and 2000 BC; and the Pre-Levy zone between 2.5 to 6.5 feet indicated evidence of knapping bifaces and cores of local chert (Dickinson and Wayne 2012:32; Hemmings and Kohler 1974). They interpreted the sites as special use camps, specific to restricted resources, marked by areas of compact occupation, and tool reduction inventories (Dickinson and Wayne 2012:33; Hemmings and Kohler 1974:62). They further conclude that the generalized late archaic tool kit reflects dependence on hunting and collecting, processing of animal and plants, work in wood, bone, antler, hides, plant fibers and other raw materials, and the preparation of stone tools associated with these activities.

Additional assessments of the Lake Kanapaha Site (8AL172) were performed by SouthArc, Inc., in 2001 and 2012. They confirmed the site is a large Archaic lithic quarry and workshop with little evidence of habitation (Dickinson and Wayne 2001:1-3). Their study classified flakes based on the degree of external cortex remaining and the flake form (Dickinson and Wayne 2001; 2012: 27,30). Three categories of cortex were defined: primary, more than 50% of dorsal surface covered by cortex, produced during blank preparation or early stages of core reduction; secondary, less than 50% of dorsal surface cortex covered, occurring during bifacial preform or blank production; and tertiary, flakes with no cortex on the dorsal side which are often smaller, generated during the final stages of tool manufacture or maintenance (Dickinson and Wayne 2001; 2012: 30). They further defined flake types as complete, proximal, distal, medial, and unidentifiable. The cultural material consisted of shatter and flakes with no tool or utilized flakes present They thoroughly examined the debitage based on the degree of external cortex remaining and the flake form. Ideally, sites dominated by shatter, primary and secondary flakes, and few completed tools or preforms indicate the presence of a quarry or workshop. Sites with completed or partial tools, preforms, blanks, and an abundance of non-decortication, tertiary flakes suggest a final production area or a maintenance/campsite. Their research also examined evidence of thermal alteration, suggesting a Middle Archaic component. The 2001 study recorded 33% of the debitage was thermally altered and 80% suggest final stage tool production (Dickinson and

Wayne 2001; 2012: 33-34). The 2012 artifact assemblage suggested the final stage of tool making or maintenance with 46% of the debitage being thermally altered and no tools or expediently utilized flakes present (Dickinson and Wayne 2012:33-34). Since comparatively few lithic tools displayed evidence of usage it is likely the site represents a lithic workshop rather than an occupation or campsite.

Another outcrop of chert quarried in central Florida is the Senator Edwards site (8MR122), located in Marion County. Purdy (1975) interpreted the site as a chipped stone workshop occupied during the Archaic period. The site contained projectile points averaging 6-8 cm long with stemmed bases, Bolen points, and side-notched points, some beveled. Large number of broken projectile tips, broken unstemmed bases, broken stemmed bases, unifacial scrapers, bifacial scrapers, preforms, hammerstones, and large anvils were also present. Stemmed drills, common in Archaic Florida, are notably not present. Previous studies by Witthoft (1969:13) interpret drills as knives that have been sharpened over and over and show no rotary wear (Purdy 1975:182). Since no stemmed scrapers or drills were recovered, Purdy (1975) suggested it would not be necessary to use an implement so long since chert was readily available. The quantity of lithic debris and tools found at larger sites like Senator Edwards contrasts sharply with smaller special-use sites with smaller quantities (Milanich 1994: 78-79). Milanich implied that middle Archaic people performed the same types of activities at their villages and camps as their early Archaic ancestors, but as life became more sedentary central-base settlements such as 8MR122 produced a variety of specialized tools in the process. Milanich also suggested the appearance of the easily transportable tools may imply woodworking connected with building more permanent houses (Milanich 1994: 78-79). Other large workshops sites that possibly functioned as central base settlements are the Johnson Lake site in Marion County and the Haufler site 8AL28 in Alachua County (Milanich 1994:79).

The Golden Hills Archaic Complex represents a series of lithic production sites west of the city of Ocala that date to the Middle to Late Archaic (circa 5000-1000 B.C.) (Austin 2006; Ste. Claire 1983). An archaeological survey by Willis (1983) in Golden Hills recorded a cluster of prehistoric sites, including the Golden Hills aboriginal 2 site (8MR507) a prehistoric chert quarry and the Golden Hills Aboriginal 5 site (8MR510) a lithic scatter suggesting a campsite (Austin 2006: 5-6). Additional excavations by Florida Archaeological Services, Inc. (FAS) mitigated 8MR507 and 8MR510, concluding both sites were part of a single lithic tool production complex from the Middle Archaic (Austin 2006:6; Ste. Claire 1984). Their data indicates all lithic reduction stages, from early to late, were performed at the sites. Activity areas relating to various stages of reduction are spatially defined in clusters of associated stone debitage (Austin 2006; Ste. Claire 1983). Site 8MR507 consisted of hammerstones, hammerstone frags, cores, anvils, stone blanks, and primary and secondary debitage located in distinct areas along the margins of a sink hole, suggesting early reduction activity areas. Site 8MR510 contained Newnan, Levy, and Pinellas points as well as some ceramics, hammerstones, anvils, bifacial blanks, preforms, chert nodules, and waste flakes (Austin 2006: 17; Ste. Claire 1984). High percentages of thermally altered materials were also present at both sites. Ste. Claire (1983) suggested the Golden Hills complex may be associated with an extensive Middle Archaic occupation that lay underneath the Golden Hills Academy area less than 3 miles northeast. Substantial amounts of projectile points, finished tools, and used tools were recovered from the Academy site, but it is not known if this

site functioned as the base camp component of the lithic production complex to the southeast (Austin 2006; Ste. Claire 1983).

Southeastern Archaeological Research, Inc. (SEARCH) excavated 8MR510 in 2006 and expanded the boundaries of the large site and reported artifacts distributed over several topographic highs located southwest of a large wetland (Austin 2006:17-19). Their excavations found areas of high artifact concentration separated by areas of moderate to low artifact concentrations of waste flakes made from the Ocala Limestone formation. The large number of medial-distal fragments combined with a high representation of non-orientable fragments suggested a mix of core-reduction and early state tool production with some mid-to-late-stage reduction activity. Interpretation of the site includes short-term habitation campsites, chert procurement, and stone tool workshops evident by high densities areas. Thermal Alteration was also practiced on 75% of the 1193 artifacts uncovered, supporting the site dates to the Middle to Late Archaic, even with the absence of temporally diagnostic artifacts (Austin 2006:17-19; Ste. Claire 1987). The research conducted by SEARCH duplicated the materials recovered and concurred on the interpretations by FAS (Austin 2006:19).

SEARCH also documented 4 other sites with significantly lower densities of material situated on ridges overlooking wetland features (Austin 2006: 19-22). Thermal alteration was present in over half of the assemblages at the Golden Hills Aboriginal #6 site (8MR511), Golden Ocala #2 site (8MR3261), and Golden Ocala #3 site (8MR3262). Each site has less than 13 waste flakes present. The FMSF lists the sites function as lithic scatters, but the debitage present from 8MR511 suggest tool production activity while 8MR3261 and 8MR3262 suggest late-stage tool production. The Golden Ocala #1 site (8MR3260) contained 38 waste flakes showing signs of quarrying activity, core reduction, and early-stage tool reduction. Compared to the other percentages of thermally altered material at the previously mentioned sites, 8MR3260 only had 8 heat treated flakes. SEARCH determined these four sites have limited research potential due to their small size and limited artifact content (Austin 2006: 19-22).

Northwest of Alachua another series of Middle (5000-3000 BC) to Late Archaic (3000-500 BC) sites were uncovered in 2022 by Advanced Archaeology, Inc. (Mankowski 2022a; 2022b; 2022c; 2022d). The Tara April Scatter site (8AL7452) consists of a sparse prehistoric chert scatter interpreted as a lithic reduction and tool manufacturing encampment (Mankowski 2022d:2, 25). The Tara Forest West Scatter site (8AL7436) is an extensive, but sparse prehistoric chert surface scatter dating to the Middle Archaic and Late Archaic. The site represents a limited-use lithic reduction and tool manufacturing encampment (Mankowski 2022c:25). The Tara Phoenicia site (8AL7459) consists of sparse to dense prehistoric chert and ceramic deposits and extensive scatters that represents a lithic reduction and tool manufacturing encampment (Mankowski 2022a; 2022b; 2022c:25). The Tara Forest Mound (8AL7466) was inaccurately interpreted as a constructed sand mound, with moderate to dense prehistoric chert and ceramic artifact deposits that represents a lithic reduction and tool manufacturing encampment (Mankowski 2022d:3,25). Specimen logs show that primary, secondary, and tertiary flakes are present, with evidence of thermal alteration in many of the assemblages (Mankowski 2022c). The current undertaking includes Phase II excavations and interpretations of The Tara Phoenicia site (8AL7459) and the Tara Forest Mound (8AL7466).

Other examples of Archaic sites that consist of variable to dense scatters representing tool manufacturing encampments include the Dudley Farm Quarry Site (8MR2545), 92-34 Ocala, Scrambletown A (8MR2104), Oak Hammock (8MR1920), White Ranch (8MR3538), Site # 3 (8AL2910), San Felasco Hammock (8AL461), and Paynes Town (8AL366). Diffuse scatters include the Inferno site (8MR2343), Coliseum (8MR2321), USFS OCA15-06/Scrambletown Angel (8MR3915), USFS 92-33, Ocala (8MR2103), Rainbow Springs 3 (8MR208), Rainbow Springs State Park (MR2397), Mare Haven, (8MR152), and Mill Creek site (8AL4821) (Boyer 2016; Boyer et al. 2022; FMSF).

4.0 RESEARCH DESIGN AND FIELD METHODOLOGY

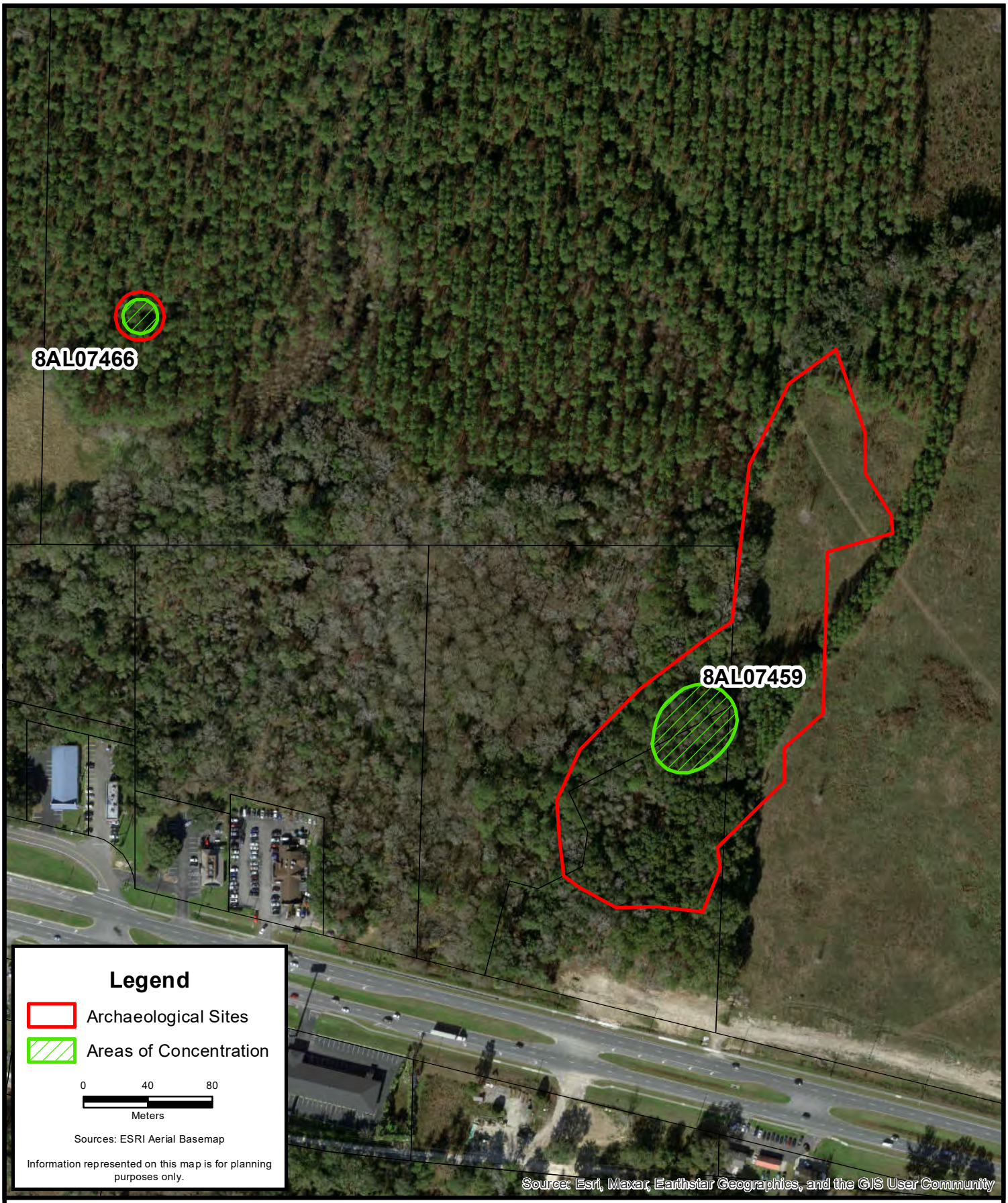
Phase I archaeological survey work defined the general boundaries of the Tara Phoenicia site (8AL07459) and the Tara Forest Mound Site (8AL07466) (Mankowski 2022). Within these parameters - defined by the presence or absence of cultural materials in an extended range - areas of artifact concentration were identified and mapped (in a series of red dots showing positive test pits), particularly for the Tara Phoenicia site. During the current Phase II investigations, archaeologists excavated a series of shovel test pits within these areas and generally across the sites to identify core site areas, or areas of highest artifact density and, consequently, prehistoric activity. These areas of concentration were the focus of Phase II investigations (see Figure 4). Historic aerial maps of the project area show a long history of agricultural impact including timbering, clearcutting, land leveling, row crop farming and silviculture (planted pine). It is highly probable that the areal extent of both sites, particularly the Tara Phoenicia site, was artificially expanded during plowing, tilling, and bulldozing related to these agricultural activities. Phase I CRAS shovel tests that produced singular or low-density artifacts likely reflect this occurrence and pattern of displace cultural materials.

Initial reconnaissance of 8AL07459 and 8AL0766 revealed that both sites were impacted by amateur artifact hunters (site looters), particularly the Tara Forest Mound site which was determined to be completely destroyed (see photographic plates in discussion of 8AL07466). Finding undisturbed ground was a challenge and in the case of 8AL07466, was unfortunately deemed futile. To identify intact (unimpacted) ground, archaeological crews used square-nose shovels to scrape back leaves and topsoil to reveal surface patterns of contiguous pothunter holes. Eventually a backhoe (operated by an archaeologist) was employed to scrape back and expose a wider area of patterned disturbance.

Once presumed undisturbed ground was identified at the Tara Phoenicia site, 17 units were laid out and excavated in the area of concentration to maximize yield of cultural materials and to determine if cultural stratigraphy was present. Five 1 x 1-meter excavation units, four 1 x 2-meter excavation units, three 1 x 3-meter exploratory trenches (excavated in layers by a backhoe), and six .50-meter exploratory units (to determine the extent of the site, depth of deposits, and nature of disturbance) were completed over a month and half period (see Figure 5, site excavation plan). All controlled units were excavated in 10-centimeter levels to depths of a meter and in some cases 110 centimeters below ground surface. Artifacts were bagged and labeled with provenience data (site number, unit number, level, date, etc.).

4,046 artifacts, mostly lithic debitage (96%), were recovered during excavations at the Tara Phoenicia site (8AL07459). Each artifact was cleaned, analyzed, categorized and charted (see artifact vertical distribution tables in Appendix A). The cultural materials were processed at archaeological laboratories in St. Augustine and Dunnellon, with initial organization taking place in the field at Alachua. The results of the lithic analysis are interpreted in the following section. All records of the Tara Phoenicia archaeological investigations, including field notes, research notes, photographs, maps, forms, and manuscripts are stored at the AEC/HCS repositories in St. Augustine and Dunnellon. All archaeological materials were analyzed and curated by professional archaeologists specializing in prehistoric lithic technology.

During Phase II archaeological investigations, any unmarked human burials and human skeletal remains discovered would have been brought to the attention of a District Medical Examiner if it was determined that the burial(s) represent an individual or individuals who have been dead less than 75 years, or to the attention of the State Archaeologist in the case that the remains were determined to be older than 75 years. Archaeological and development activities would cease immediately until proper authorities, the District Medical Examiner or the State Archaeologist, made a determination and authorized the continuance of work through their respective jurisdiction as defined by Florida Statutes. Procedures outlined in Chapter 872.05, Florida Statutes, would be followed regarding site preservation and protection, or mitigation, and reporting, this through the authority and direction of the District Medical Examiner and/or the State Archaeologist. In the event of other types of unexpected archaeological finds occurring during subsequent development of the property, this same procedure will be followed.



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Site Location Map Showing Areas of Concentration

Tara Phoenicia (8AL07459)

Tara Forest Mound (8AL07466)

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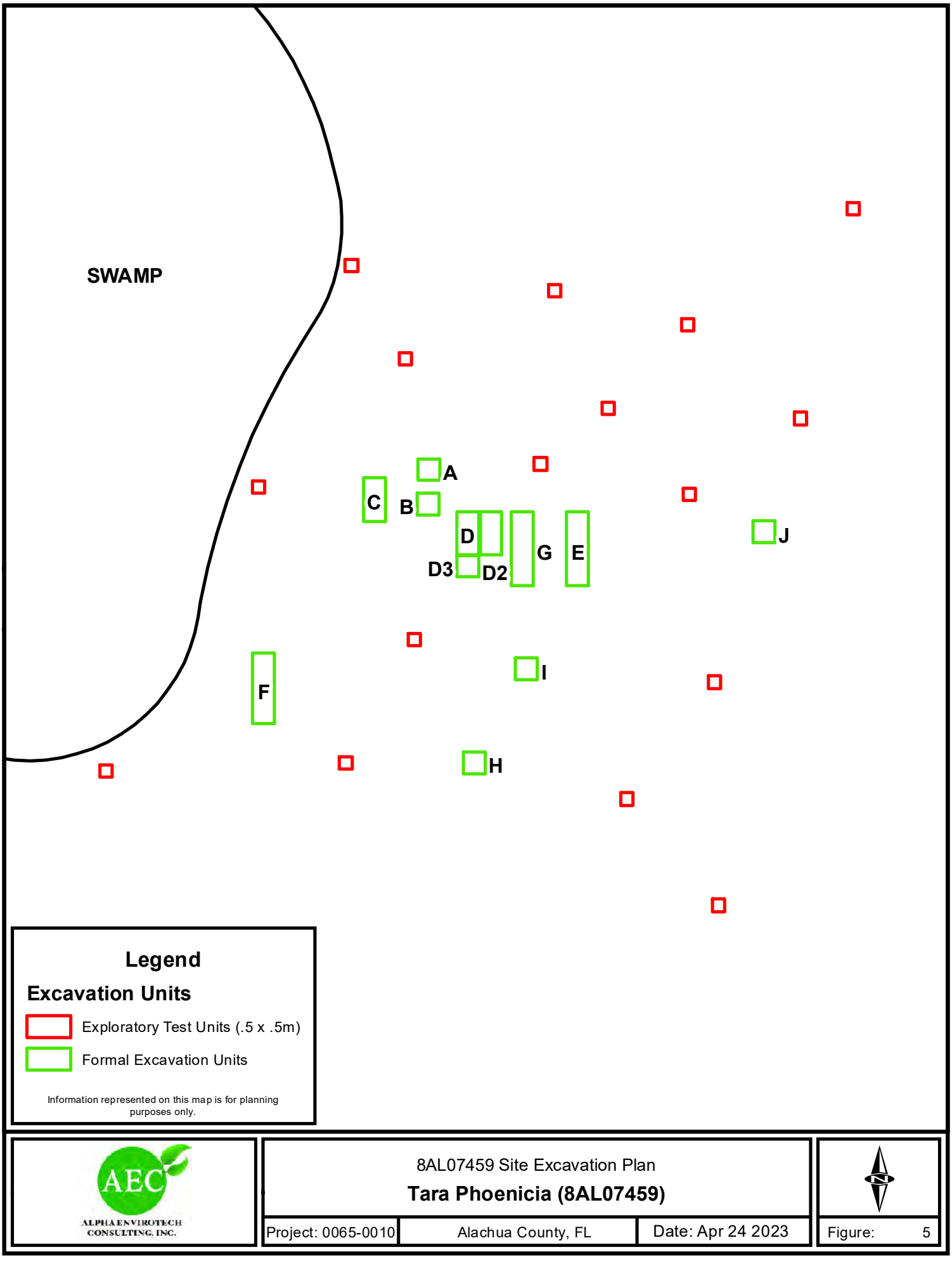

Legend

Excavation Units

Exploratory Test Units (.5 x .5m)

Formal Excavation Units

Information represented on this map is for planning purposes only.

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8AL07459 Site Excavation Plan

Tara Phoenicia (8AL07459)

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5.0 PHASE II ARCHAEOLOGICAL INVESTIGATIONS RESULTS

Phase II archaeological investigations of the Tara Phoenicia site (8AL07459) and the Tara Forest Mound site (8AL7466) were conducted by Alpha Envirotech Consulting, Inc., to address the statutory requirements of the Florida Division of Historical Resources (DHR)/State Historic Preservation Office (SHPO), as well as the City of Alachua. In particular, archaeological work was conducted to determine if these two prehistoric cultural resources were eligible for listing in the *National Register of Historic Places*. A discussion of these sites and management recommendations regarding *National Register* eligibility is as follows:

5.1 Tara Phoenicia Site - 8AL07459



Plate 1 - Chert nodule in adjacent swamp

The core of 8AL07459, the Tara Phoenicia site, was identified based on Phase I CRAS survey data, Phase II preliminary test pits and in an unorthodox manner, by the location and concentration of potholes dug by site looters. These initial investigations determined that artifact hunters had impacted the site substantially, but that testable areas remained. Relatively intact areas were revealed by scraping back the ground cover with shovels to expose areas and patterns of disturbance. Eventually, heavy equipment operators (archaeologists) used a backhoe to scrape the surface of the site to expose soil mottling (disturbance from pothunting) as well as identify intact ground. Archaeologists focused excavations within these "clean" site areas rather than

digging through disturbed potholes. Excavation units - 1 x 1-meter, 1 x 2-meter units and 1 x 3-meter units - were placed in undisturbed areas using this method. Based on initial testing, it was estimated that over 70% of the concentrated area of the site had been impacted by artifact collectors (pothunters), thus significantly compromising site integrity. Soils in undisturbed areas were principally beige, loamy sands, homogenous in composition and color, that extended from below topsoil to ca. 100 centimeters below ground surface. Excavation units produced artifacts in varying frequencies, predominantly lithic debitage, in all levels.

Artifacts produced from all units numbered 4,046, most of which was classified as lithic debitage (N = 3,890 or 96.14%). The lithic debitage artifact category includes cores, core fragments, primary and secondary decortication flakes, and secondary non-decortication and tertiary flakes. Primary and secondary flakes were classified based on the amount of cortex present on the exterior face of the flake (complete coverage vs partial coverage).

Based on the type of lithic artifacts recovered, particularly the large quantity of debitage, it is evident that the Tara Phoenicia site functioned as a secondary lithic reduction station. Here, prehistoric people used the site to extract chert stone from outcroppings exposed in a nearby geologic depression and swamp to fashion the early stages of stone tools. The artifact assemblage is characterized by core fragments, decortication flakes, core shatter, lithic debitage, heat-treated chert, stone blanks and preforms, fractured unfinished projectile points and bifaces – all cultural materials that indicate lithic procurement and reduction as a principal site function.

The core and immediate extended area of the Tara Phoenicia site occupies an approximately 40 x 40-meter place on an upland ridge that slopes into an adjacent swamp. The site represents a secondary station (stage) in the lithic extraction and manufacturing process. The primary stage took place at the source of the stone (quarry) where cores and blanks were knocked off large chert nodules exposed in the walls of the depression or along the banks of the swamp. This stone was carried to a higher and drier area for secondary reduction into forms that could be later finished as formal tools. Mosquitos and other insects would be less of a nuisance in these higher elevations at certain times of year, particularly the summertime (if stone was gathered during this season at all). The final lithic manufacturing stage, the completion of project points and other forma tools, most often took place at an associated village site, the location of which is unknown. There is little evidence of final projectile point manufacturing at Tara Phoenicia.

Primary debitage, mainly decortication flakes and large worked nodule and core fragments (Plate 2), are believed to be mostly buried in an adjacent depression. The quantity of debitage in and around this quarry area is probably substantial. Conversely, primary and secondary decortication flakes represent less than 9% of the upland debitage assemblage. This low frequency of decortication material supports the hypothesis that Tara Phoenicia was an intermediary lithic reduction station. The concomitant absence of final tertiary debitage such as small pressure flakes (an 1/8-inch mesh screen was employed at several units in an effort to recover any minute debitage) and finished tools such as final-stage projectile points suggest that stone shaped in the form of blanks and preforms were carried offsite to be finished elsewhere, probably at a village site. This lithic procurement and reduction process representing archaeologically delineated manufacturing stages and stations has been recognized at other sites such as the Golden Hills site to south in Marion County (Ste.Claire 1983) and in other areas of Florida such as the Tampa

Palms sites, particularly the Rock Hammock site, a Hernando projectile point manufacturing complex (Austin and Ste.Claire 1982; Ste.Claire 1982, 1996).

Subsistence related artifacts, mainly a relatively low quantity of ceramics, indicate that prehistoric people were using the Tara Phoenicia site as a short-term, seasonal encampment to procure and shape stone rather than as a permanent occupation.

Two broken Bolen-like project points (one a manufacturing failure and the other a base fractured by impact), a Marianna point, and a turtleback scraper suggest that stone was extracted from the quarry as early as the Early Archaic period (9,500 - 7000 B.C.) A small assemblage of ceramics (105 sherds or 2.6% of the artifact assemblage) and Pinellas points (N = 4) (Plates 3 and 4) indicate that later prehistoric people were using the site for the same purpose. This would indicate that the quarry was a known and desirable source of chert for stone tool manufacture for over 10,000 years. The Middle Archaic period (6,000 - 3,000 B.C) is prominently represented in the artifact assemblage based on the higher frequency of Archaic-Stemmed project point preforms, late-stage manufacturing failures, and nearly finished implements found (Plate 5). These materials were mostly recovered from levels 5 - 10 (50 – 100 centimeters below surface).



Plate 2 – Tara Phoenicia core & core fragment



Plate 3 – Examples of Tara Phoenicia ceramics including cord and fabric-marked pottery



Plate 4 – Tara Phoenicia, Marianna Point and Pinellas Points



Plate 5 - Archaic stemmed projectile point manufacturing sequence (blanks and preforms)

While most of the cultural materials found at Tara Phoenicia evidence a lithic reduction station and encampment, a small number of atypical artifacts represent specialized functions that bear mentioning. An unusual early prehistoric dimple stone (see Plate 6) was recovered from level 7 (60 – 70 cms b.s.) of excavation unit D-2. (1 x 2 meter). Dimple stones have been described as totems and atlatl weights, among other functions (Brawner 2012; Gerrell 1990; Rachels & Knight 2004). The enigmatic stones are often associated with Early Archaic and PaleoIndian period contexts. Three small fragments of clear quartzite were also recovered. The crystal quartz is not native to the region and was likely transported in from areas north of Florida, possibly in trade. The function of the stones is unknown.

One final note about Tara Phoenicia artifacts should be conveyed. A single, clearly identifiable flake knife (with recognizable cutting use wear) was recovered from level 5 of Unit I. In identifying utilized flakes and use wear at stone tool manufacturing sites, lithic analysts should be aware that large quantities of debitage resulting from multiple flintknapping episodes will invariably produce artificial flake "wear" through stone-on-stone contact and by prehistoric technicians and others walking across piles of stone flakes, a "modification" known as trampling wear. The identification of large assemblages of "utilized flakes" such as those described for the Senator Edwards site in Alachua County (Purdy 1975) can significantly skew an interpretation of site function.

Regarding evaluation of the Tara Phoenicia site (8AL07459), certain conditions and data should be considered:

1) The vertical distribution tables (see Appendix A) illustrate substantial "mixing" of early prehistoric materials with later prehistoric artifacts. For example, late period Pinellas points and pottery were recovered from lower excavation levels and early lithic artifacts such as Archaic period projectile points were found in upper levels. In another notable example, a completed Marianna projectile point normally associated with the Early Archaic period was recovered from level 3 of Unit H in the same upper-level zone where St. Johns Check-Stamped pottery and a Pinellas point were found (see Plate 1; Table 1 – Unit H artifact vertical distribution). Prehistoric curation behavior (later period collection of earlier artifacts) may explain some of this condition, but there are too many examples of cultural mixing to ignore.

2) On a related matter, after excavating multiple units across the Tara Phoenicia site, no discernable cultural stratigraphy was identified in the homogenous sandy soils. Moreover, no cultural features such as hearths, post molds, fire pits, individual flintknapping stations, artifact caches, etc. were found.

3) Research of the historic landscapes of the Tara Phoenicia properties through an examination of a historic aerial chronology and other maps reveals extensive impact from early to mid-20th century silviculture (planted pine agriculture) and row crop farming (see Figures 6 – 9). A 19th century survey, historic aerials, and topographic maps were sourced and examined to demonstrate this condition. It is evident most areas of the extended project area have suffered bioturbation or mixing of stratigraphic levels. The entire Tara Phoenicia site area was entirely clearcut and impacted by agricultural activities in the

early 1900s. This likely explains the stratigraphic disturbance observed at Tara Phoenicia. Coniferous plantation (planted pine) agriculture documented for the project area causes extensive disturbance of ground surfaces and subsurface soils due to successive episodes of timbering, plowing, furrowing, and planting. This disturbance can often extend to a half meter in depth.

4) Tara Phoenicia is a secondary lithic reduction site, a site type that is relatively common in the region, particularly during the Archaic period.

5) While 4,046 artifacts were recovered from formal excavations, artifact density cannot be described as high. These artifacts were collected from 11 formal units at depths of at least one meter; some 742 cubic feet of earth was excavated.

6) With the exception of the dimple stone, the artifacts recovered from 8AL07459 are not unique or unusual. They are characteristic of many lithic assemblages known for the region (see Archaic Period Lithic Sites in Alachua and Marion Counties section).

While site disturbance is evident at Tara Phoenicia, a representative assemblage of lithic materials from a secondary lithic reduction site was collected, analyzed, documented, and preserved for future studies. Samples of Tara Phoenicia stone will be submitted to Dr. Robert Austin and Dr. Sam Upchurch for their current Florida chert sources research, a study that will result in a formal publication (Upchurch et al, n.d.). It is suggested that the amount of cultural materials collected in controlled contexts represents a more than adequate lithic assemblage that will be preserved prior to development.

Finally, investigations of the areas surrounding the core site area at Tara Phoenicia revealed substantial outcroppings of chert in the adjacent swamp and a geologic depression, most likely a remnant sinkhole which are common for the area. This quarry area was once an important stage of the stone procurement and lithic reduction process.

In conclusion, because of all these conditions and circumstances, it is the opinion and recommendation that the **Tara Phoenicia site (8AL07459) is ineligible for listing in the *National Register of Historic Places***, and that development of the Tara Phoenicia site will not adversely impact any cultural resources eligible for listing in the *National Register*. The formal and controlled extraction of a large representative assemblage of artifacts from the site is recommended as a viable mitigation of impact plan for 8AL07459. No further archaeological work is recommended.

Unit H (1 x 2-meter excavation unit)

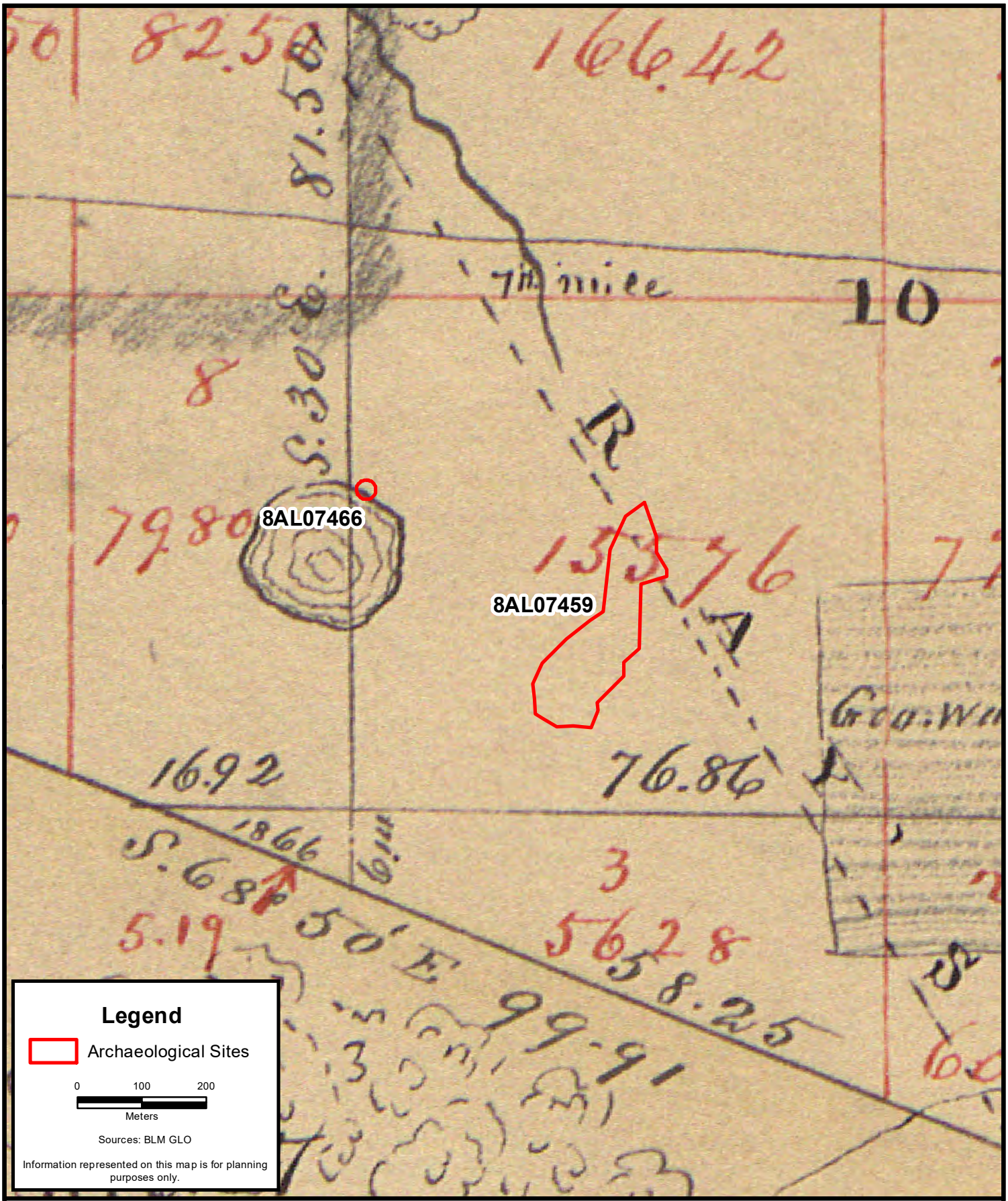
Level	Core/ Core Frag	Prim Decort	Sec Decort	Deb	Tert	PP/ Preform	Sand Temp Pottery	St. Johns Pottery	Total
1		1	3	35		1[1]	1		41
2		3	3	33				1	40
3		1	5	44		2[2]	1	1[3]	54
4		3	3	55		1[4]			62
5	1	3		57	3		5[5]		69
6	1			47	3	2[6]	2[7]		55
7	1	1		50		2[8]		1	55
8		2		26					28
9		1	2	33			1	1[9]	38
10	2	1	1	27			1	1[10]	33
Total	5	16	17	407	6	8	11	5	475

Table 1 – Unit H artifact vertical distribution

[1] Pinellas Point (Distal Impact Fracture, Nearly Complete)
[2] Marianna Point (Complete); Archaic-Stemmed Point, Impact Fracture
[3] Check-Stamped
[4] Archaic-Stemmed Projectile Point Base
[5] Black Slip (Alachua)
[6] Late-Stage Archaic-Stemmed Projectile Point (Fracture) and Mid-Stage Preform
[7] Punctated Ceramics
[8] Late-Stage Archaic-Stemmed Projectile Point (Fracture) and Mid-Stage Preform
[9] Check-Stamped
[10] Semi Fiber-Tempered Ceramic



Plate 6 – Tara Phoenicia, Dimple Stone



ALPHA ENVIROTECH CONSULTING, INC.

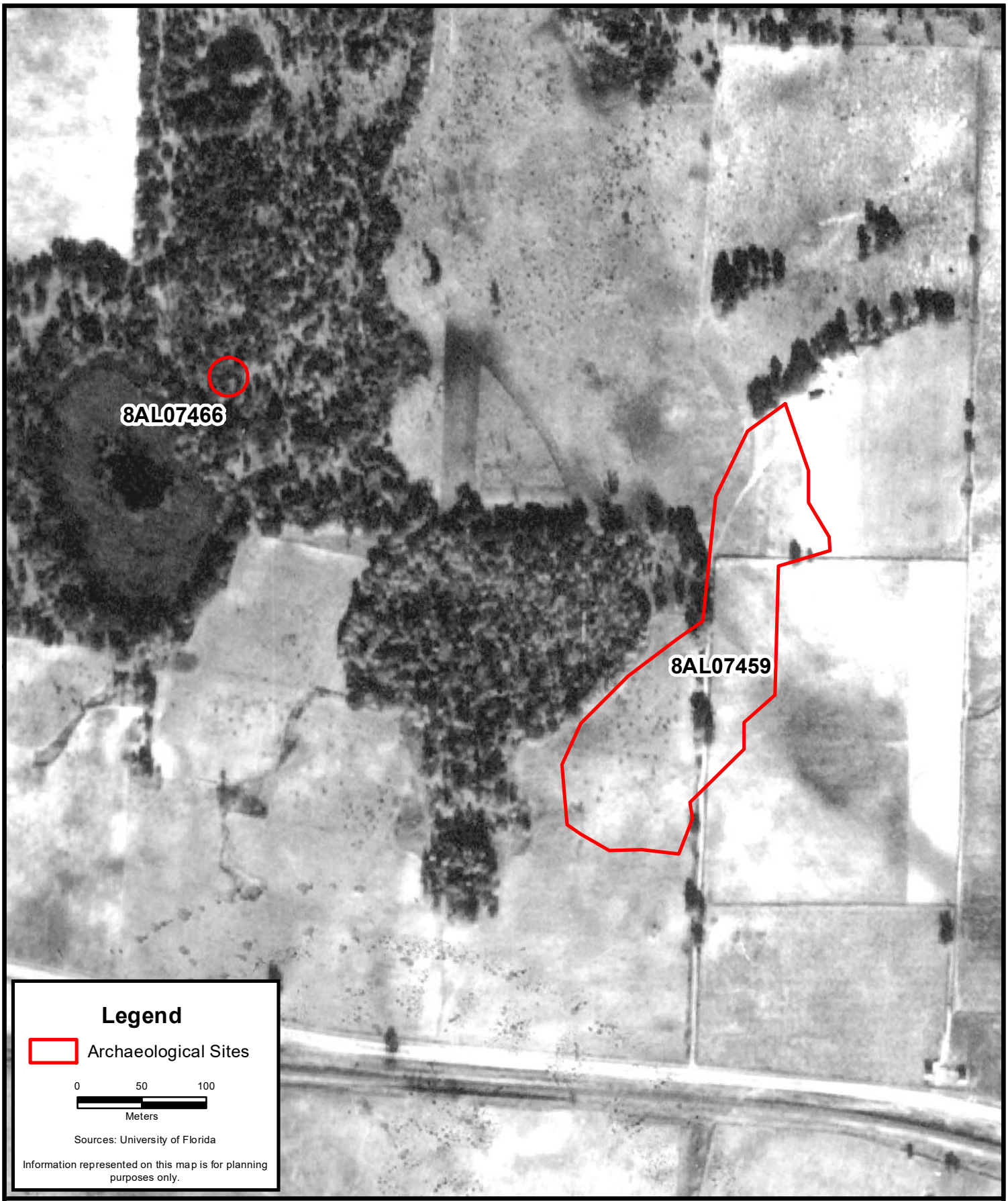
1850 Survey

Tara Phoenicia (8AL07459)

Tara Forest Mound (8AL07466)

Project: 0065-0010	Alachua County, FL	Date: Apr 05 2023

Figure: 6



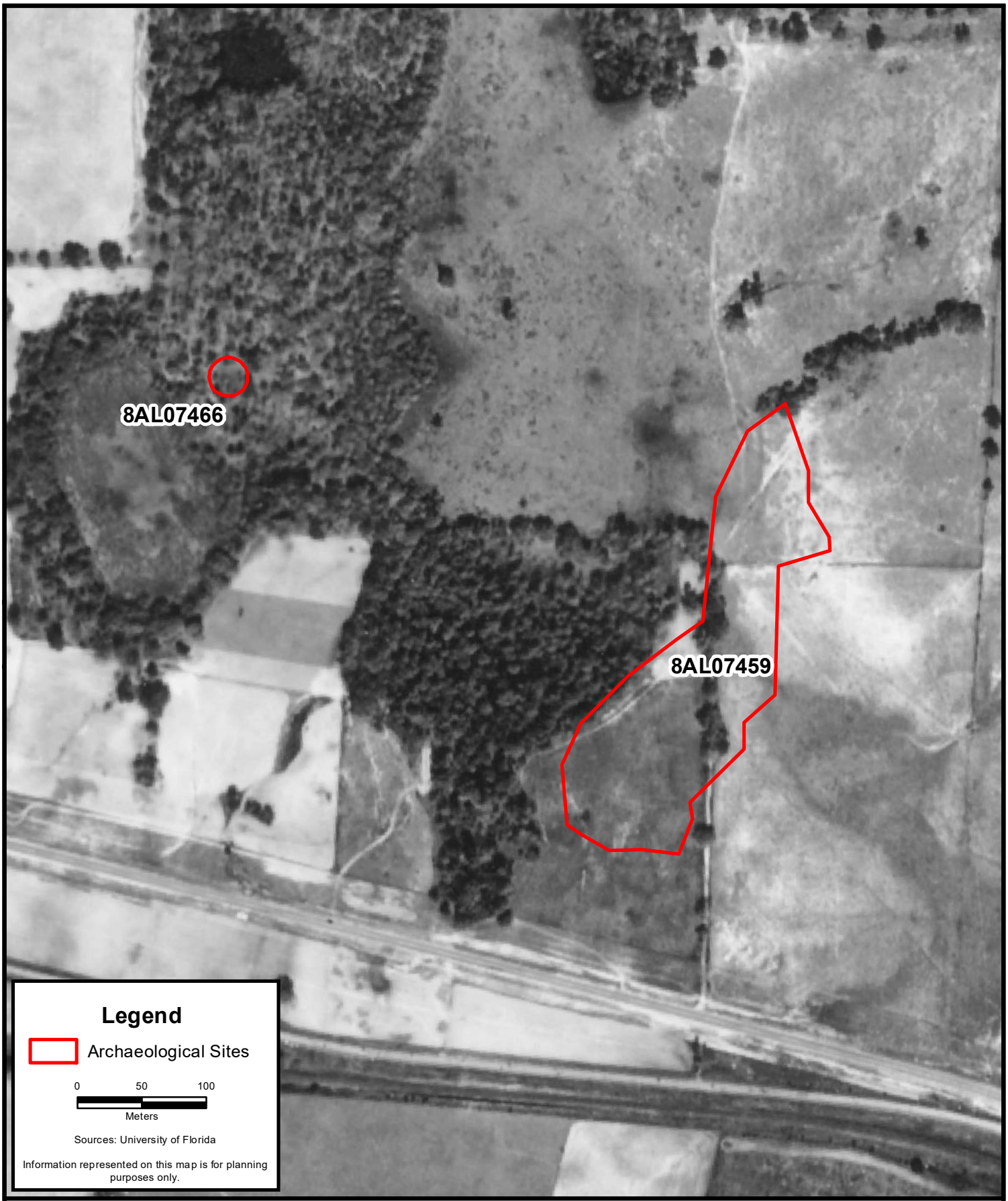
ALPHA ENVIROTECH CONSULTING, INC.

1937 Aerial

Tara Phoenicia (8AL07459)
Tara Forest Mound (8AL07466)

Project: 0065-0010	Alachua County, FL	Date: Apr 05 2023

Figure: 7



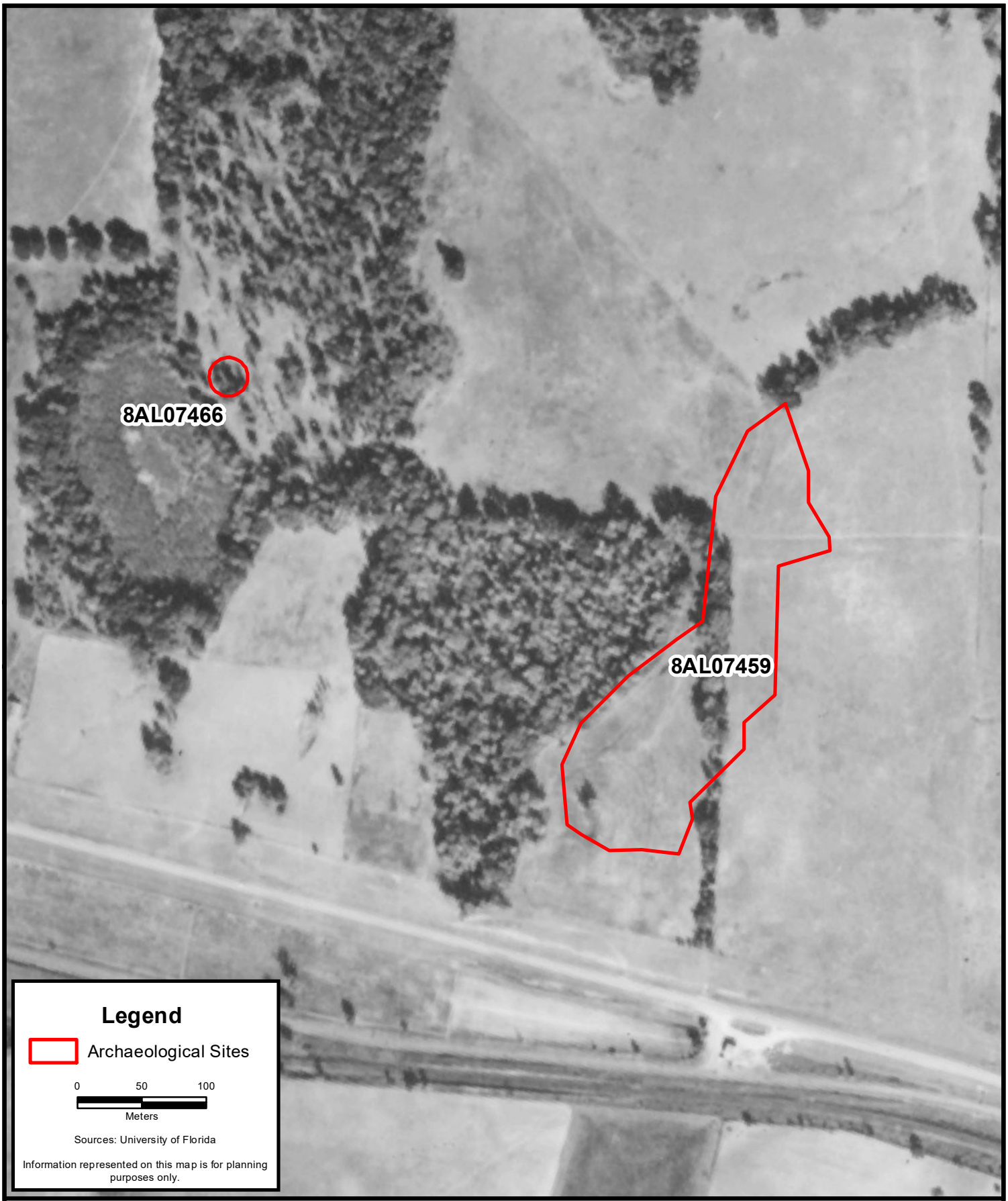
ALPHA ENVIROTECH CONSULTING, INC.

1949 Aerial

Tara Phoenicia (8AL07459)
Tara Forest Mound (8AL07466)

Project: 0065-0010	Alachua County, FL	Date: Apr 05 2023

Figure: 8



ALPHA ENVIROTECH CONSULTING, INC.

1956 Aerial

Tara Phoenicia (8AL07459)
Tara Forest Mound (8AL07466)

Project: 0065-0010	Alachua County, FL	Date: Apr 05 2023

Figure: 9

5.2 Tara Forest Mound site - 8AL07466



Plate 7 - 8AL07466 destruction

Initial investigations of the Tara Forest Mound immediately revealed that 8AL07466 had been destroyed by artifact collectors (pothunters) and prior to this, greatly impacted by agricultural activities (field cultivation) (see Figures 6 - 9). Site destruction is extensive and has occurred over a long period of time.

Two formal 1 x 1-meter units were excavated at 8AL07466 in an effort to discern any surviving cultural deposition in natural stratigraphy, but none was found. The units produced small quantities of lithic (stone) artifacts in disturbed, shallow deposition (the units terminated between 50 - 60 centimeters below surface at hardpan). Any cultural stratigraphy once present is now gone.

Research potential for 8AL07466 is severely limited, if any exists at all, and along with its high degree of disturbance, renders the resource ineligible for listing in the *National Register of Historic Places*. Mankowski (2022) at the Phase I CRAS level of study determined that the Tara Forest Mound site, while extensively disturbed, was eligible for listing in the

National Register of Historic Places under Criteria D which applies to resources, generally archaeological sites, that have yielded or may be likely to yield information important to prehistory or history. The site completely lacks cultural context and consequently retains no research potential. **8AL07466 is not eligible for listing in the *National Register of Historic Places* at any level.** Salvage archaeology was conducted in an effort to retrieve a sample of artifacts, albeit from a disturbed context, to document the site and its cultural material. Representative artifacts were mostly collected from the disturbed backfill.

One final note regarding site function: 8AL07466 is not a mound in the formal archaeological and cultural sense. It is a natural low-lying point of land near an inundated depression as shown on early maps, particularly historic topographic maps (see Figures 6 - 9). It is not a prehistoric habitational or ceremonial mound. In fact, the function of 8AL07466 is nearly identical to that of 8AL07459, the Tara Phoenicia site. The spatially isolated site (ca. 30 x 30 meters) functioned as secondary lithic reduction site where chert, extracted from the same adjacent quarry known for 8AL07459, was shaped into pre-tool forms (blanks and preforms) to be carried back to a village for final production. The two sites are located ca. 300 meters apart on the same wetland (swamp) and extended creek basin, although materials at 8AL07466 were also gathered from an adjacent depression, now a pond. 8AL07459 and 8AL07466 are likely contemporaneous sites.



Plate 8 - 8AL07466 destruction

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APPENDIX A - ARTIFACT VERTICAL DISTRIBUTION TABLES

Unit B (1 x 1 meter excavation unit)

Level	Core Frag	Core S	Prim	Sec	Debitage	Tertiary	Fractured PP	Sand Temp	Fabric/Cord	Misc	Total
1			6		19						25
2			4		24				1		29
3					10		1			1[1]	12
4	1	1	2		10	8		1	1		24
5	1		1	1	17	7				1[2]	28
6	1		1	1	15	1					19
7			1	1	10						12
8	1		3		25	7					36
9			1		9						10
10	1		1		9						11
11			1		4	1					6
Total	5	1	21	3	152	24	1	1	2	2	212

[1] Animal Bone Fragment (Deer)
[2] Possible Abrader

Unit C (1 x 2-meter excavation unit)

Level	Core Frag	Core Shat	Prim Decort	Sec Decort	Lithic Deb	Tert Flakes	Late-Stage PP	Fract PP	Sand Temp Pottery	St Johns Pottery	Misc.	Total
1			2		24							26
2					6				1			7
3			7	4	55				1			67
4			6	1	37				1	5[1]		50
5			4	2	31			1[2]			1	39
6		1	5	2	35	1						44
7		1	7	3	20							31
8	1				63		1[3]	1[4]				67
9	1	2	14	4	35		1[5]	1[6]			1[7]	60
10			1		4	1						6
11			2		22	2						26
Total	2	4	48	16	332	4	2	3	3	5	2	421

[1] St. Johns Check-Stamp N = 3; Dunn's Creek Red N = 1
[2] Pinellas Point (Impact Fracture)
[3] Archaic Stemmed Projectile Point, Impact Fracture
[4] Archaic Stemmed Projectile Point; Late-Stage Manufacturing Reject
[5] Archaic Stemmed Projectile Point, Late-Stage Manufacturing Reject
[6] Archaic Stemmed Projectile Point; Impact Fracture
[7] Bolen Projectile Point Base, Impact Fracture

Unit D (1 x 2-meter excavation unit)

Level	Core Frag/ Shat	Prim. Decort	Sec. Decort	Lithic Deb	Tert. Flakes	Blank Prefm	Late Stage PP	Fract PP	Biface	Sand Temp Pottery	St. Johns Pottery	Fabric/ Cord Pottery	Misc	**Total**
1	1	4		43							3	1[1]		52
2	1	1		27			1[2]				1			31
3		8	4	60				1[3]		1	3			77
4		8	1	59	5					6	1		1[4]	81
5	1	6		70	7						1[5]			85
6	1	7	2	73						2				85
7	1	3		47										51
8	1			66						1[6]	1			69
9		3		56										69
10	1	10		96					1[7]					108
11		11	1	43		1								56
Total	7	61	8	640	12	1	1	1	1	10	10	1	1	**754**

[1] Cord-Marked Pottery
[2] Culbreath Projectile Point (Late Stage Manufacturing Reject)
[3] Pinellas Point (Distal Impact Fracture)
[4] Clear Quartz Fragment
[5] St. Johns Check-Stamped
[6] Deptford Check-Stamped
[7] Turtleback Scraper

Unit D-2 (East) (1 x 2-meter excavation unit)

Level	Core Frag	Prim	Sec	Debitage	Tertiary	Flake Tool	Sand Temp	St Johns	Misc	Total
1		1		38	2			1[1]		42
2		1		31				1[2]	1	34
3	1	1	1	64		1	2		1	71
4	1	4	4	85			1[3]		2	97
5		5	1	59				1	1[4]	67
6		3	1	33			2			39
7		3		65			2[5]			70
8		2	2	77	5					86
9	1	2		36						39
10		1		60						61
11		1	1	38						40
Total	3	24	10	586	7	1	7	3	5	646

[1] Check-Stamped
[2] Check-Stamped
[3] Deptford Pottery Bowl, Footed Base (Podal Support)
[4] Dimple Stone
[5] Deptford Stamped

Unit D-3 (South) (1 x 1-meter excavation unit)

Level	Core Frag	Core Sham	Prim	Sec	Debitage	Tertiary	Late-Stage PP	Flake Tool	Proj. Point	Sand Temp	St Johns	Misc	Total
1		1	1	3	21			1				1[1]	28
2			1		20			1				1[2]	23
3					22				1[3]	3			26
4			1	1	41	3				1[4]			47
5			5	2	47								54
6			1	3	23		1[5]						28
7			1		45	2				2[6]	2	2	54
8			2	4	48								54
9					30	3				1[7]		1[8]	35
10	1				22								23
11				2	33								35
Total	1	1	12	15	352	8	1	2	1	7	2	5	407

[1] Bone Frag
[2] Carved Stone Fragment
[3] Pinellas Point Complete
[4] Deptford Check-Stamped.
[5] Archaic Stemmed
[6] Deptford Check-Stamped.
[7] Deptford Check-Stamped
[8] Clear Quartzite Fragment

Unit H (1 x 2-meter excavation unit)

Level	Core/ Core Frag	Prim Decort	Sec Decort	Deb	Tert	PP/ Preform	Sand Temp Pottery	St. Johns Pottery	Total
1		1	3	35		1[1]	1		41
2		3	3	33				1	40
3		1	5	44		2[2]	1	1[3]	54
4		3	3	55		1[4]			62
5	1	3		57	3		5[5]		69
6	1			47	3	2[6]	2[7]		55
7	1	1		50		2[8]		1	55
8		2		26					28
9		1	2	33			1	1[9]	38
10	2	1	1	27			1	1[10]	33
Total	5	16	17	407	6	8	11	5	475

[1] Pinellas Point (Distal Impact Fracture, Nearly Complete)
[2] Marianna Point (Complete); Archaic-Stemmed Point, Impact Fracture
[3] Check-Stamped
[4] Archaic-Stemmed Projectile Point Base
[5] Black Slip (Alachua)
[6] Late-Stage Archaic-Stemmed Projectile Point (Fracture) and Mid-Stage Preform
[7] Punctated Ceramics
[8] Late-Stage Archaic-Stemmed Projectile Point (Fracture) and Mid-Stage Preform
[9] Check-Stamped
[10] Semi Fiber-Tempered Ceramic

Unit I (1 x 1 meter excavation unit)

Level	Core Frag	Prim	Sec	Debitage	Hammerstone	Flake Tool	Proj. Point	Sand Temp	St Johns	Total
1		2		14						16
2		1		18						19
3		1		19						20
4		1		15				3[1]	1	20
5			1	24		1[2]	1[3]	1	1	29
6			4	31						35
7				37	1[4]			1		39
8				16				1		17
9		1		21						22
10			1	16						17
11	1		1	9						11
Total	1	6	7	220	1	1	1	6	2	245

[1] Deptford Check-Stamped
[2] Possible Flake Knife
[3] Archaic-Stemmed Project Point, Haft Fracture (Impact)
[4] Bifacial Hammerstone

Unit J (1 x 1-meter excavation unit)

Level	Core Frag	Prim	Sec	Debitage	Hammerstone	Biface	Sand Temp	St Johns	Fiber	Total
1				4						4
2				16		1[1]	2[2]			19
3			1	17	1[3]					19
4		1		27			1	1[4]		30
5		2		29					1[5]	32
6	1			14			2			17
7		2		19			1			22
8				10			2		2[6]	14
9		1		11						12
10										0
Total	1	6	1	147	1	1	8	1	3	169

[1] Archaic-Stemmed Point Stem Fragment
[2] Cord-Marked Pottery
[3] Hammerstone Fragment (with Battering Wear)
[4] Check-Stamped Ceramic
[5] Orange Fiber-Tempered Ceramic
[6] Orange Incised Ceramic

APPENDIX B - FLORIDA MASTER SITE FILE FORMS

☐Original
☒Update

ARCHAEOLOGICAL SITE FORM
FLORIDA MASTER SITE FILE
Version 5.0 3/19

Consult *Guide to Archaeological Site Form* for detailed instructions

Site # AL07459
Field Date 2-14-2023
Form Date 3-30-2023
Recorder # DSC-HCS

Site Name(s) Tara Phoenicia — Multiple Listing (DHR only) _____
Project Name Phase II Arch Investigations Tara Phoenicia Site — Survey # (DHR only) _____
Ownership: ☒private-profit ☐private-nonprofit ☐private-individual ☐private-nonspecific ☐city ☐county ☐state ☐federal ☐Native American ☐foreign ☐unknown

LOCATION & MAPPING

USGS 7.5 Map Name HIGH SPRINGS — USGS Date 1993 — Plat or Other Map Historic Aerial Maps
City/Town (within 3 miles) Alachua — In City Limits? ☒yes ☐no ☐unknown — County Alachua
Township 8S — Range 18E — Section 10 — ¼ section: ☐NW ☒SW ☐SE ☐NE — Irregular-name: _____
Township _____ — Range _____ — Section _____ — ¼ section: ☐NW ☐SW ☐SE ☐NE
Landgrant _____ — Tax Parcel # _____
UTM Coordinates: Zone ☐16 ☒17 — Easting ☐☐☐☐☐☐ — Northing ☐☐☐☐☐☐☐
Other Coordinates: X: _____ — Y: _____ — Coordinate System & Datum _____
Address / Vicinity / Route to:

Just north of Highway 441 a half mile east of the I-75 interchange in Alachua

Name of Public Tract (e.g., park) _____

TYPE OF SITE (select all that apply)

SETTING

☒Land (*terrestrial*)
☐Lake/Pond (*lacustrine*)
☐River/Stream/Creek (*riverine*)
☐Tidal (*estuarine*)
☐Saltwater (*marine*)
☒Wetland (*palustrine*)
☐usually flooded
☐usually dry
☐Cave/Sink (*subterranean*)
☐terrestrial
☐aquatic

STRUCTURES OR FEATURES

☐log boat
☐agric/farm building
☐burial mound
☐building remains
☐cemetery/grave
☐dump/refuse
☐earthworks (historic)
☐fort
☐midden
☐mill
☐mission
☒mound, nonspecific
☐plantation
☐platform mound
☐road segment
☐shell midden
☐shell mound
☐shipwreck
☐subsurface features
☐surface scatter
☐well

FUNCTION

☐campsite
☒extractive site
☒habitation (prehistoric)
☐homestead (historic)
☐farmstead
☐village (prehistoric)
☐town (historic)
☐quarry (prehistoric)

Other Features or Functions (Choose from the list or type a response.)
1. Lithic Scatter/quarry — 2. Secondary lithic reduction site

CULTURE PERIODS (select all that apply)

ABORIGINAL

☒Alachua
☐Archaic (nonspecific)
☒Archaic, Early
☒Archaic, Middle
☒Archaic, Late
☐Belle Glade
☐Cades Pond
☐Caloosahatchee
☒Deptford
☐Englewood
☐Fort Walton
☐Glades (nonspecific)
☐Glades I
☐Glades II
☐Glades III
☐Hickory Pond
☐Leon-Jefferson
☐Malabar I
☐Malabar II
☐Manasota
☐Mississippian
☐Mount Taylor
☐Norwood
☒Orange
☐Paleoindian
☐Pensacola
☐Perico Island
☐Safety Harbor
☐St. Augustine
☐St. Johns (nonspecific)
☒St. Johns I
☒St. Johns II
☐Santa Rosa
☐Santa Rosa-Swift Creek
☐Seminole (nonspecific)
☐Seminole: Colonization
☐Seminole: 1st War To 2nd
☐Seminole: 2nd War To 3rd
☐Seminole: 3rd War & After
☐Swift Creek (nonspecific)
☐Swift Creek, Early
☐Swift Creek, Late
☒Transitional
☒Weeden Island (nonspecific)
☐Weeden Island I
☐Weeden Island II
☐Prehistoric (nonspecific)
☒Prehistoric non-ceramic
☒Prehistoric ceramic

NON-ABORIGINAL

☐First Spanish 1513-99
☐First Spanish 1600-99
☐First Spanish 1700-1763
☐First Spanish (nonspecific)
☐British 1763-1783
☐Second Spanish 1783-1821
☐American Territorial 1821-45
☐American Civil War 1861-65
☐American 19th Century
☐American 20th Century
☐American (nonspecific)
☐African-American

Other Cultures (Choose from the list or type a response. For historic sites, give specific dates.)
1. _____ — 3. _____
2. _____ — 4. _____

OPINION OF RESOURCE SIGNIFICANCE

Potentially eligible individually for National Register of Historic Places? ☐yes ☒no ☐insufficient information
Potentially eligible as contributor to a National Register district? ☐yes ☒no ☐insufficient information

Explanation of Evaluation (required if evaluated; use separate sheet if needed)

Secondary lithic reduction site adjacent to a prehistoric quarry (adjacent swamp). 96.14% of artifacts are lithic debitage. Vertical position of cultural materials indicate stratigraphic mixing. Historic aerials show extensive disturbance of land.

Recommendations for Owner or SHPO Action

Archaeological monitoring of development of site area.

DHR USE ONLY	OFFICIAL EVALUATION	DHR USE ONLY
NR List Date _____ ☐Owner Objection	SHPO – Appears to meet criteria for NR listing: ☐yes ☐no ☐insufficient info Date _____ Init._____ KEEPER – Determined eligible: ☐yes ☐no Date _____ NR Criteria for Evaluation: ☐a ☐b ☐c ☐d (see *National Register Bulletin 15*, p. 2)	

Florida Master Site File / Div. of Historical Resources / R. A. Gray Bldg / 500 S Bronough St., Tallahassee, FL 32399-0250
Phone 850.245.6440 / Fax 850.245.6439 / E-mail SiteFile@dos.myflorida.com

ARCHAEOLOGICAL SITE FORM

Site #8 AL07459

FIELD METHODS (select all that apply)

SITE DETECTION			SITE BOUNDARY		
☐no field check	☒exposed ground	☐screened shovel	☐bounds unknown	☐remote sensing	☐unscreened shovel
☒literature search	☐posthole tests	☒screened shovel-1/4"	☐none by recorder	☐exposed ground	☒screened shovel
☐informant report	☐auger tests	☒screened shovel-1/8"	☐literature search	☐posthole tests	☐block excavations
☒remote sensing	☒unscreened shovel	☐screened shovel-1/16"	☐informant report	☐auger tests	☐estimate or guess

Other methods; number, size, depth, pattern of units; screen size (attach site plan)

Formal 1 x 1 meter and 1 x 2 meter units excavated to ca. one meter below ground surface.

SITE DESCRIPTION

Extent/Size (m^2) 2,000 Depth/stratigraphy of cultural deposit (describe below)

Humic soil 0-20 cm; beige/pale brown sand 0-110 cm b.s. (artifact bearing zone). Concentration of lithic materials occur in a 40 x 40 meter area. Adjacent quarry (swamp) dimensions unknown.

Temporal Interpretation - Components (check one): ☐single component ☒multiple component ☐uncertain

Describe each occupation in plan (refer to attached large scale map) and stratigraphically. Discuss temporal and functional interpretations:

Principally Archaic Period, Early through Late Archaic; Orange, Transitional, Deptford, Weeden Island, St. Johns I, St. Johns II, Alachua.

Integrity - Overall disturbance: ☐none seen ☐minor ☒substantial ☐major ☐redeposited ☐destroyed-document! ☐unknown

Disturbances / threats / protective measures

Site has been impacted by a century of agricultural activities including row crops and silviculture; mixing of cultural materials observed. Development planned for property.

Surface collection: area collected 5000 m^2 # collection units 23 | Excavation: # noncontiguous blocks _____

ARTIFACTS

Total Artifacts # 4114 ⦿count ○estimate | Surface # 68 | Subsurface # 4046

COLLECTION SELECTIVITY

☐unknown ☒unselective (all artifacts) ☐selective (some artifacts) ☐mixed selectivity

SPATIAL CONTROL

☐uncollected ☐general (not by subarea) ☐unknown ☒controlled (by subarea) ☐variable spatial control ☐other (describe in comments below)

ARTIFACT CATEGORIES and DISPOSITIONS

A	-	Lithics
A	-	Stone artifacts
A	-	Ceramics-aboriginal
A	-	Bone-animal or unidentif
A	-	Miscellaneous prehistoric
S	-	
O	-	
I	-	

select a disposition from the list below for each artifact category selected at left

A - category always collected
S - some items in category collected
O - observed first hand, but not collected
R - collected and subsequently left at site
I - informant reported category present
U - unknown

Artifact Comments

DIAGNOSTICS (type or mode, and frequency: e.g., *Suwanee ppk, heat-treated chert, Deptford Check-stamped, ironstone/whiteware*)

1.	Archaic preform/PP	N= 7	4.	Pinellas Points	N= 4	7.	Dimple Stone	N= 1
2.	Lithic Debitage	N= 3890	5.	Marianna Point	N= 1	8.	Fabric/Cord Marked Pottery	N= 4
3.	Cores & Core Fragments	N= 14	6.	Bolen Points	N= 2	9.	Deptford Stamped & Base (Podal)	N= 5

ENVIRONMENT

Nearest fresh water: Type Sink Name Unnamed Distance from site (m) _____

Natural community UPLAND HARDWOODS Topography Hill Elevation: Min ____m Max ____m

Local vegetation Live Oak, Hickory (second growth; natural vegetations has been clearcut)

Present land use Agricultural including row crops and silviculture;planned for development

SCS soil series _____ Soil association _____

DOCUMENTATION

Accessible Documentation Not Filed with the Site File - including field notes, analysis notes, photos, plans and other important documents

1) Document type All materials at one location Maintaining organization Heritage Services, Inc.
Document description Notes, maps, photographs File or accession #'s _____

2) Document type _____ Maintaining organization Heritage Services, Inc.
Document description _____ File or accession #'s _____

RECORDER & INFORMANT INFORMATION

Informant Information: Name Phase I CRAS Report
Address / Phone / E-mail Advanced Archaeology, Inc., Fort Lauderdale

Recorder Information: Name Dana Ste.Claire, M.A.RPA Affiliation Heritage Services, Inc.
Address / Phone / E-mail St. Augustine; heritageculturalservices@gmail.com heritagesrvcs@aol.com; 904.669.5318

Required Attachments

❶ PHOTOCOPY OF 7.5' USGS QUAD MAP WITH SITE BOUNDARIES MARKED *and* SITE PLAN
Plan at 1:3,600 or larger. Show boundaries, scale, north arrow, test/collection units, landmarks and date.

☐Original
☒Update

ARCHAEOLOGICAL SITE FORM
FLORIDA MASTER SITE FILE
Version 5.0 3/19

Consult *Guide to Archaeological Site Form* for detailed instructions

Site #8 **AL07466**
Field Date 2-14-2023
Form Date 3-30-2023
Recorder # DSC-HCS

Site Name(s) Tara Forest "Mound" Multiple Listing (DHR only) _____
Project Name Phase II Arch. Investigations of Tara Phoenicia Survey # (DHR only) _____
Ownership: ☒private-profit ☐private-nonprofit ☐private-individual ☐private-nonspecific ☐city ☐county ☐state ☐federal ☐Native American ☐foreign ☐unknown

LOCATION & MAPPING

USGS 7.5 Map Name HIGH SPRINGS USGS Date 1993 Plat or Other Map _____
City/Town (within 3 miles) Alachua In City Limits? ☒yes ☐no ☐unknown County Alachua
Township 8S Range 18E Section 10 ¼ section: ☐NW ☒SW ☐SE ☐NE Irregular-name: _____
Township ____ Range ____ Section ____ ¼ section: ☐NW ☐SW ☐SE ☐NE
Landgrant _____ Tax Parcel # 03067-001-000
UTM Coordinates: Zone ☐16 ☒17 Easting ☐☐☐☐☐☐ Northing ☐☐☐☐☐☐☐
Other Coordinates: X: _____ Y: _____ Coordinate System & Datum _____
Address / Vicinity / Route to:

Site is located just east of C.R. 241 (NW 140th Street) a half mile north of U.S. Highway 441

Name of Public Tract (e.g., park) _____

TYPE OF SITE (select all that apply)

SETTING

☒Land (*terrestrial*)
☐Lake/Pond (*lacustrine*)
☐River/Stream/Creek (*riverine*)
☐Tidal (*estuarine*)
☐Saltwater (*marine*)
☒Wetland (*palustrine*)
☐usually flooded
☐usually dry
☐Cave/Sink (*subterranean*)
☐terrestrial
☐aquatic

STRUCTURES OR FEATURES

☐log boat
☐agric/farm building
☐burial mound
☐building remains
☐cemetery/grave
☐dump/refuse
☐earthworks (historic)
☐fort
☐midden
☐mill
☐mission
☐mound, nonspecific
☐plantation
☐platform mound
☐road segment
☐shell midden
☐shell mound
☐shipwreck
☐subsurface features
☐surface scatter
☐well

FUNCTION

☐campsite
☒extractive site
☐habitation (prehistoric)
☐homestead (historic)
☐farmstead
☐village (prehistoric)
☐town (historic)
☒quarry (prehistoric)

Other Features or Functions (Choose from the list or type a response.)
1. Lithic Scatter/quarry 2. Extractive site

CULTURE PERIODS (select all that apply)

ABORIGINAL

☒Alachua
☐Archaic (nonspecific)
☐Archaic, Early
☒Archaic, Middle
☒Archaic, Late
☐Belle Glade
☐Cades Pond
☐Caloosahatchee
☐Deptford
☐Englewood
☐Fort Walton
☐Glades (nonspecific)
☐Glades I
☐Glades II
☐Glades III
☐Hickory Pond
☐Leon-Jefferson
☐Malabar I
☐Malabar II
☐Manasota
☐Mississippian
☐Mount Taylor
☐Norwood
☐Orange
☐Paleoindian
☐Pensacola
☐Perico Island
☐Safety Harbor
☐St. Augustine
☐St. Johns (nonspecific)
☒St. Johns I
☒St. Johns II
☐Santa Rosa
☐Santa Rosa-Swift Creek
☐Seminole (nonspecific)
☐Seminole: Colonization
☐Seminole: 1st War To 2nd
☐Seminole: 2nd War To 3rd
☐Seminole: 3rd War & After
☐Swift Creek (nonspecific)
☐Swift Creek, Early
☐Swift Creek, Late
☒Transitional
☐Weeden Island (nonspecific)
☐Weeden Island I
☐Weeden Island II
☐Prehistoric (nonspecific)
☐Prehistoric non-ceramic
☐Prehistoric ceramic

NON-ABORIGINAL

☐First Spanish 1513-99
☐First Spanish 1600-99
☐First Spanish 1700-1763
☐First Spanish (nonspecific)
☐British 1763-1783
☐Second Spanish 1783-1821
☐American Territorial 1821-45
☐American Civil War 1861-65
☐American 19th Century
☐American 20th Century
☐American (nonspecific)
☐African-American

Other Cultures (Choose from the list or type a response. For historic sites, give specific dates.)
1. _____ 3. _____
2. _____ 4. _____

OPINION OF RESOURCE SIGNIFICANCE

Potentially eligible individually for National Register of Historic Places? ☐yes ☒no ☐insufficient information
Potentially eligible as contributor to a National Register district? ☐yes ☒no ☐insufficient information
Explanation of Evaluation (required if evaluated; use separate sheet if needed)

Site has been completely destroyed by artifact collectors. No discernible cultural stratigraphy due to extensive disturbance of deposits. Site integrity has been greatly compromised. Site was once a spatially-isolated secondary lithic reduction area.

Recommendations for Owner or SHPO Action

Site is not a mound, it is a natural topographic feature, an elevated (dry) point of land where prehistoric technicians worked stone. No additional arch. work.

DHR USE ONLY	OFFICIAL EVALUATION	DHR USE ONLY
NR List Date _____ ☐Owner Objection	SHPO – Appears to meet criteria for NR listing: ☐yes ☐no ☐insufficient info Date _____ Init._____ KEEPER – Determined eligible: ☐yes ☐no Date _____ NR Criteria for Evaluation: ☐a ☐b ☐c ☐d (see *National Register Bulletin 15*, p. 2)	

Florida Master Site File / Div. of Historical Resources / R. A. Gray Bldg / 500 S Bronough St., Tallahassee, FL 32399-0250
Phone 850.245.6440 / Fax 850.245.6439 / E-mail SiteFile@dos.myflorida.com

ARCHAEOLOGICAL SITE FORM

Site #8 AL07466

FIELD METHODS (select all that apply)

SITE DETECTION			SITE BOUNDARY		
☐no field check	☒exposed ground	☐screened shovel	☐bounds unknown	☐remote sensing	☐unscreened shovel
☒literature search	☐posthole tests	☒screened shovel-1/4"	☐none by recorder	☒exposed ground	☒screened shovel
☒informant report	☐auger tests	☐screened shovel-1/8"	☒literature search	☐posthole tests	☐block excavations
☐remote sensing	☒unscreened shovel	☐screened shovel-1/16"	☐informant report	☐auger tests	☐estimate or guess

Other methods; number, size, depth, pattern of units; screen size (attach site plan)

Initial test pits to discern level of disturbance in that site was extensively disturbed by artifact hunters. No intact ground could be found. Formal units were excavated to determine if cultural stratigraphy was present. It was not.

SITE DESCRIPTION

Extent/Size (m^2) 1,600 Depth/stratigraphy of cultural deposit (describe below)

Disturbed very dark grayish brown sand at a depth of 0-35 cm. Surface collections from looter holes determines horizontal extent. Core site area measures 40 x 40 meters.

Temporal Interpretation - Components (check one): ☐single component ☒multiple component ☐uncertain

Describe each occupation in plan (refer to attached large scale map) and stratigraphically. Discuss temporal and functional interpretations:

Probable Archaic, Transitional, St. Johns, and possibly later prehistoric use of site.

Integrity - Overall disturbance: ☐none seen ☐minor ☒substantial ☐major ☐redeposited ☐destroyed-document! ☐unknown

Disturbances / threats / protective measures

Recent looting of site evidenced by large holes - SHPO is advised to provide any site protection possible.

Surface collection: area collected _____ m^2 # collection units_____ | Excavation: # noncontiguous blocks _____

ARTIFACTS

Total Artifacts # 87 ⊙count ○estimate | Surface # 61 | Subsurface # 26

COLLECTION SELECTIVITY

☐unknown ☐unselective (all artifacts)
☒selective (some artifacts)
☐mixed selectivity

SPATIAL CONTROL

☐uncollected ☐general (not by subarea)
☐unknown ☐controlled (by subarea)
☒variable spatial control
☐other (describe in comments below)

ARTIFACT CATEGORIES and DISPOSITIONS

A	Lithics
A	Stone artifacts
O	Aboriginal ceramics
R	
A	
S	
O	
I	

select a disposition from the list below for each artifact category selected at left

A - category always collected
S - some items in category collected
O - observed first hand, but not collected
R - collected and subsequently left at site
I - informant reported category present
U - unknown

Artifact Comments

Artifacts were collected from an extremely disturbed context due to widespread impact by artifact hunters. A representative assemblage was collected from the surface and units.

DIAGNOSTICS (type or mode, and frequency: e.g., *Suwanee ppk, heat-treated chert, Deptford Check-stamped, ironstone/whiteware*)

1. Preforms/Blanks	N= 3	4. Sand-tempered pottery	N= 3	7.	N=
2. Debitage	N= 73	5. Semi-fiber tempered ceramics	N= 1	8.	N=
3. Core & core fragments	N= 5	6. St. Johns ceramics	N= 2	9.	N=

ENVIRONMENT

Nearest fresh water: Type Sink Name Unnamed Distance from site (m) 15

Natural community FLOODPLAIN FOREST Topography Other Elevation: Min ____m Max ____m

Local vegetation Clearcut devoid

Present land use Cropland

SCS soil series _____ Soil association _____

DOCUMENTATION

Accessible Documentation Not Filed with the Site File - including field notes, analysis notes, photos, plans and other important documents

1) Document type All materials at one location Maintaining organization Heritage Services, Inc.
Document description Notes, maps, photographs File or accession #'s _____

2) Document type _____ Maintaining organization Heritage Services, Inc.
Document description _____ File or accession #'s _____

RECORDER & INFORMANT INFORMATION

Informant Information: Name Phase I CRAS Report
Address / Phone / E-mail Advanced Archaeology, Inc., Ft. Lauderdale, Florida

Recorder Information: Name Dana Ste.Claire, M.A. RPA Affiliation Heritage Services, Inc.
Address / Phone / E-mail St. Augustine; heritageculturalservices@gmail.com heritagesrvcs@aol.com; 904.669.5318

Required Attachments

❶ PHOTOCOPY OF 7.5' USGS QUAD MAP WITH SITE BOUNDARIES MARKED *and* SITE PLAN
Plan at 1:3,600 or larger. Show boundaries, scale, north arrow, test/collection units, landmarks and date.

APPENDIX C - PHOTOGRAPHIC PLATES



Plate 1 - Exposing surface of site and disturbed areas



Plate 2 - Surface collection of lithic materials



Plate 3 - Late-stage manufacture Early Archaic period side-notched projectile



Plate 4 - The beginning of 1 x 2 meter excavation Unit C in northwest section of site



Plate 5 - Late stage manufacture failure of a Archaic stemmed projectile point



Plate 6 - Archaic Stemmed projectile point preform (rejected)



Plate 7 - Late stage Archaic-Stemmed projectile point preform, manufacture failure



Plate 8 - Late stage manufacturing reject, Archaic-Stemmed projectile point preform



Plate 9 - Late stage manufacturing failure, Archaic-Stemmed projectile point preform



Plate 10 - Later stage manufacturing reject, Archaic-Stemmed projectile point preform



Plate 11 - Very late stage Archaic-Stemmed preform rejected because of central anomaly



Plate 12 - Chert outcrop near sinkhole



Plate 13 - Chert outcrop in quarry site



Plate 14 - late stage manufacturing fracture



Plate 15 - 2 x 2 meter excavation unit



Plate 16 - Archaic stemmed projectile point (exhausted)



Plate 17 - Deep sand excavation



Plate 18 – Archaic stemmed preform



Plate 19 - Tara Phoenicia (8AL07459), L-R: Marianna Point, Pinellas Points x 3



Plate 20 - Deptford Pottery Base, Footed (Podal)



Plate 21 - Examples of various ceramics including Deptford Linear Stamped, St. Johns Check-Stamped, cord/fabric marked.



Plate 22 - Examples of Archaic Stemmed manufacturing failures



Plate 23 - Surface Exposures



Plate 24 - Chert nodule



Plate 25 – Excavation



Plate 26 - Level measurements



Plate 27 - Archaic period late stage projectile point



Plate 28 - Expanded excavation unit



Plate 29 - Footed base ceramic vessel



Plate 30 - Dimple stone



Plate 31 - 1 x 2 meter unit showing soil homogeneity



Plate 32 - 8AL07466 extensive disturbance



Plate 33 - 8AL07466 extensive disturbance (destroyed site)



Plate 34 - 8AL07466 1 x 1 unit in disturbed soil



Plate 35 - 8AL07466 collection from looter holes

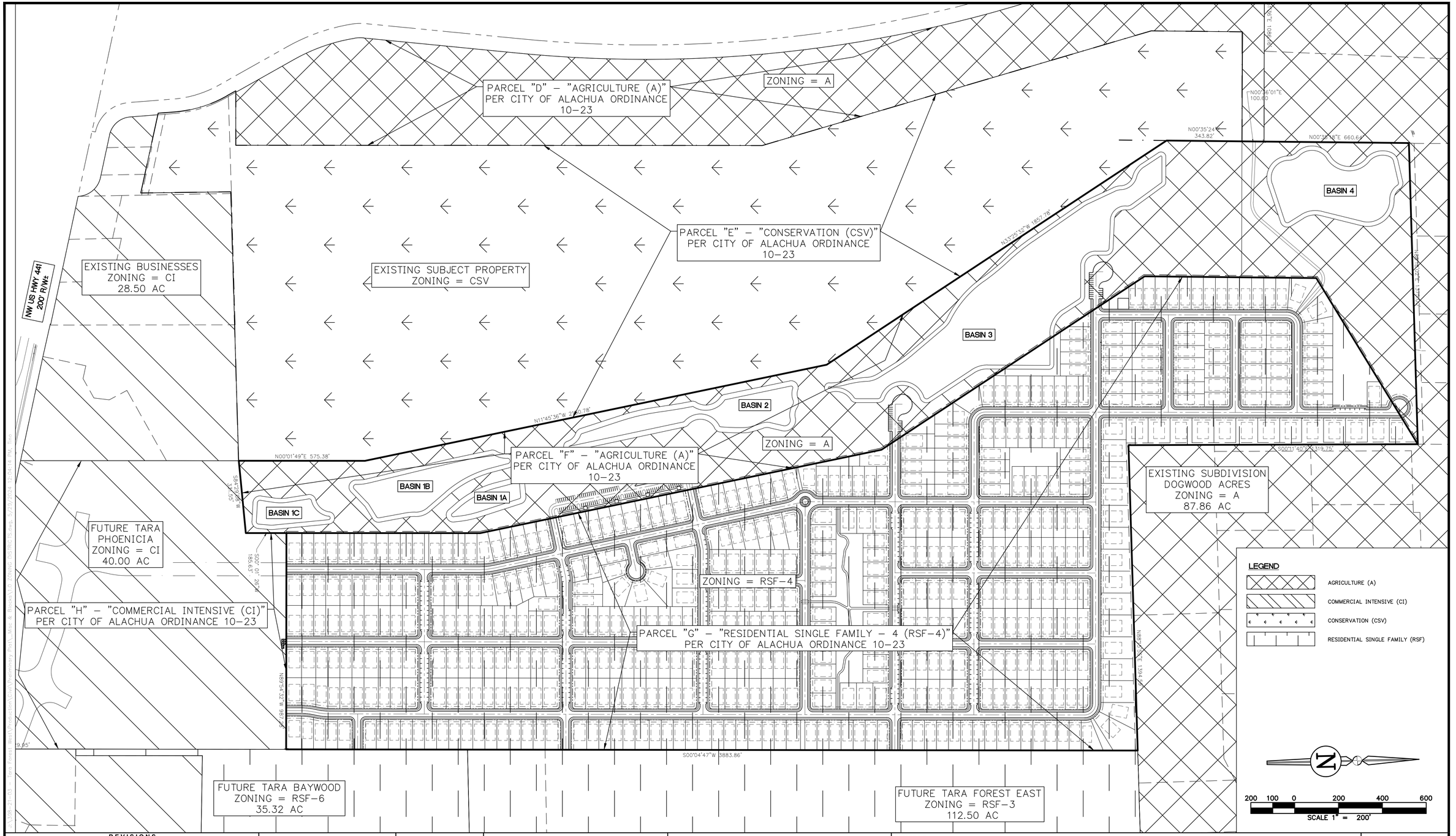
ACKNOWLEDGEMENTS



Much appreciation for the dedicated crew that excavated Tara Phoenicia. L to R:

Michael Cole, Kevin Hooper, Jessica Moore, Timothy Dettloff and Chris Moore.

Not pictured: Carol Ste.Claire, Reese Moore, Casey Ste.Claire, Courtney Boren, Michael Spontak and Dana Ste.Claire.



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A PHASE 1 CULTURAL RESOURCES ASSESSMENT SURVEY OF THE TARA PHOENICIA PROJECT AREA, ALACHUA COUNTY, FLORIDA

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CONSULTANT SUMMARY

In April and May 2022, Advanced Archaeology, Inc. conducted a Phase 1 Cultural Resources Assessment Survey of the Tara Phoenicia project area for Mr. Sayed Moukhtara. The property is located in the City of Alachua, Alachua County, Florida, and comprises a portion of one parcel (Parcel ID: 03067-001-000), which is being proposed for the construction of a commercial center. The objective of this investigation was to locate and assess any prehistoric or historic cultural resources that may be present within the project area boundaries, and to determine the effects upon any potential resources found.

This assessment was conducted to fulfill historic resource requirements in response to the Alachua County Land Development Code, and as part of the review by the State of Florida's Division of Historical Resources (DHR Project File No.: 2022-1807), in response to Chapters 267.061 and 373.414, *Florida Statutes*, and in accordance with Section 106 of the National Historic Preservation Act of 1966 (Public Law 89-665), as amended in 1992, and 36 C.F.R., Part 800: Protection of Historic Properties. The work and the report conform to the specifications set forth in Chapter 1A-46, *Florida Administrative Code*, and also in accordance with the requirements of the Florida Division of Historical Resources *Module Three Guidelines for Use by Historic Preservation Professionals*. The Principal Investigator is an SOI-qualified archaeologist and architectural historian that meets the U.S. Secretary of the Interior's (SOI) Standards and Guidelines for Archaeology and Historic Preservation.

The project area is located in Section 10, Township 8 South and Range 18 East, as depicted on the USGS High Springs Quadrangle map (Figure 1). The project area is approximately 17.96 hectares (44.40 acres) in size; it's irregularly-shaped, and is bounded by US Highway 441 on its south side, and private properties on all other sides. The upper subsoils across the entire property, at an average depth of 0-20 cm, have been disturbed by historic clearing and farming activities as well as by modern logging as indicated by vintage and modern aerial photographs, pedestrian survey, and disturbed shovel test contexts. The project area currently contains a regenerated growth of understory plants that primarily consists of briar, and there are no structures within the project area (Figures 4 & 5).

Investigations were accomplished by reviewing archival literature, maps, aerial photographs, LIDAR, and conducting fieldwork. A review with the Florida Master Site File (FMSF) indicated that no previously recorded cultural resources or previous cultural resource investigations occur within the project boundaries. A portion of a historic trail (Ray's Trail) is depicted on an 1826 plat map of the project area (Figure 2), which may have once crossed through the project area on an alignment from the northwest corner of the project area and through to its south-central area. This trail could possibly be the same trail that Hernando de Soto used during his march with the Spanish army through this area in AD 1539 (Johnson 1987, Simpson 1930). No evidence of this trail was found within the project area as a result of the fieldwork investigation.

It was determined that the west side of the project area contained a High Probability Zone (HPZ) for prehistoric sites to occur that consisted of elevated and undulating hills and slopes near a wetlands sinkhole. The remaining area of the property that was outside of the High Probability

Zone was determined to be a Moderate Probability Zone (MPZ), characterized as elevated undulating hills and slopes, but with no freshwater sources. A pedestrian survey was conducted across the entire property, and a total of 105 shovel tests were excavated across the project area (Figures 6 & 7) at 25-meter intervals or less on a grid within the High Probability Zone. Shovel tests were excavated at 50-meter intervals within the Moderate Probability Zone.

This archaeological assessment resulted in the documentation of one newly recorded prehistoric site, 8AL7459 (Tara Phoenicia), which is characterized as a sparse to dense prehistoric chert and ceramic artifact deposit that likely represents a lithic reduction and tool manufacturing encampment and scatter. The documented moderate to dense cultural material deposits within shovel tests, resulted in defining a significant area of the site. The associated prehistoric periods for this site are likely Middle Archaic (5000-3000 BC) and Late Archaic (3000-500 BC) based on diagnostic artifacts consisting of chert projectile points and semi-fiber tempered ceramics. The majority of recovered artifacts consisted of tertiary chert flakes with other lesser quantities of recovered artifacts and ecofacts that included chert shatter, chert projectile points, semi-fiber tempered ceramics, sand tempered plain ceramics, red ochre, charcoal, and one snake vertebra (see Appendix I. Field Specimen Log). A total of twenty-nine shovel tests (Shovel Tests 1, 2, 4, 5, 10, 13-17, 19-23, 25, 27, 32-38, 41, 42, & 56-58) were found to be positive for cultural material, which were found at depths that ranged from 0-130 cm; however, the cultural deposit continued to greater depths below 130 cm in some shovel tests, but could not be feasibly accessed and documented by shovel testing methods. Subsoils within positive shovel tests were generally characterized as disturbed dark grayish brown (Munsell: 10YR-4/2) sand at a depth of 0-20 cm, and intact pale brown (10YR-6/3) sand at a depth of 20-110 cm.

The documented site area of 8AL7459 measures approximately 275 meters (902 feet) north to south by 125 meters (410 feet) east to west; however, the site does extend beyond the project area limits. The exact temporal periods of site 8AL7459, its function, and its overall significance is not fully understood; therefore, it has been determined that there is insufficient information at this time to conclude the site's *National Register of Historic Places* (NRHP) eligibility. A full understanding and definition of the site would require further archaeological investigations.

In conclusion, one newly recorded site, 8AL7459, was documented as a result of this Phase 1 Cultural Resources Assessment Survey. It is the consultant’s opinion, based on the available data that site 8AL7459, is determined to have insufficient information to conclude the site's NRHP eligibility; therefore, it is recommended that a Phase 2 Archaeological Assessment be conducted within the significant area of the site, if preservation is not feasible, in order to determine the site’s NRHP eligibility. If human remains are discovered during future construction activities, then the provisions of *Florida Statutes* 872.05 (Offenses Concerning Dead Bodies and Graves) will apply.

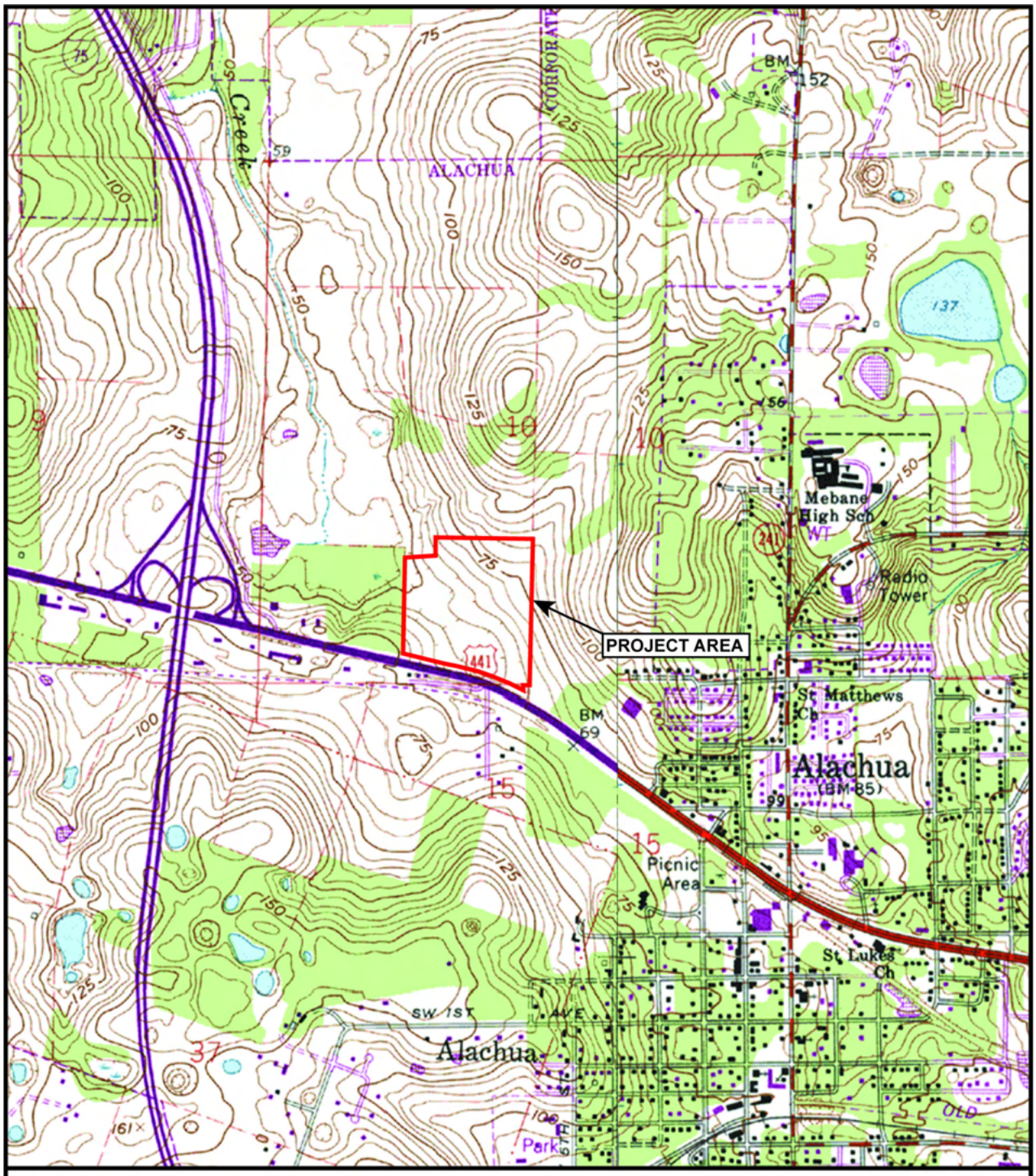

Figure 1. USGS map of the Tara Phoenicia project area.

PROJECT SETTING

The project area is located in Section 10, Township 8 South and Range 18 East, as depicted on the USGS High Springs Quadrangle map (Figure 1). The project area is approximately 17.96 hectares (44.40 acres) in size; it's irregularly-shaped, and is bounded by US Highway 441 on its south side, and private properties on all other sides. The upper subsoils across the entire property, at an average depth of 0-20 cm, have been disturbed by historic clearing and farming activities as well as by modern logging as indicated by vintage and modern aerial photographs, pedestrian survey, and disturbed shovel test contexts. The project area currently contains a regenerated growth of understory plants that primarily consists of briar, and there are no structures within the project area (Figures 4 & 5).

A portion of a historic trail (Ray's Trail) is depicted on an 1826 plat map of the project area (Figure 2), which may have once crossed through the project area on an alignment from the northwest corner of the project area and through to its south-central area. This trail could possibly be the same trail that Hernando de Soto used during his march with the Spanish army through this area in AD 1539 (Johnson 1987, Simpson 1930). The 1826 map also depicts a portion of a pioneer farmstead (map depicts the property owner's name as GeoWalson) at the east side of the project area. A 1937 aerial photograph of the property depicts it as entirely cleared and farmed (Figure 3).

The property lies within the San Felasco Hammock subarea of the Northern Peninsula Slopes in the Ocala Uplift physiographic district. The San Felasco Hammock is characterized as a broad scarp and karst terrain with many high hills that originally supported hardwood forests. The Ocala Uplift District of Florida, which was referred to as the "Lime Sink Region" by the early pioneers, is defined by its low rolling limestone plains that were created by a broad uplift during the Middle and Late Tertiary period. Early Tertiary limestones are found close to the surface in most locations (Brooks 1981). The project area contains undulating hills and slopes with elevations that range primarily from 15 meters to 27 meters amsl (50 feet to 90 feet). Mill Creek is located approximately 280 meters (919 feet) west of the project area, which is the dominant freshwater feature of the area that appears to drain into karst sinkholes and a marsh that is found to the west of the project area.

The project area contains seven soil types according to the USDA Soil Survey of Alachua County, Florida (USDA 1985). These soil types are defined as follows:

- Arredondo fine sand, 0 to 5 percent slopes. This nearly level to gently sloping, well drained soil is in both small and large areas of uplands. Slopes are smooth to convex.

- Arredondo fine sand, 5 to 8 percent slopes. This sloping, well drained soil is in small areas on sharp breaking slopes and in relatively large areas on long slopes of the uplands.

- Blichton sand, 2 to 5 percent slopes. This gently sloping, poorly drained soil is on gently rolling uplands. Slopes are slightly convex.

- Kendrick sand, 5 to 8 percent slopes: This sloping, well drained soil is usually in elongated areas on long slopes of uplands

· Fort Meade fine sand, 0 to 5 percent slopes. This nearly level to gently sloping, well drained soil is in both small and large areas on the gently rolling uplands.

· Norfolk loamy fine sand, 2 to 5 percent slopes. This gently sloping, well drained soil is in relatively small areas on the rolling uplands. Slopes are slightly convex.

· Lochloosa fine sand, 5 to 8 percent slopes. This sloping, somewhat poorly drained soil is in relatively small areas on sharp breaking slopes and along long, narrow slopes of the upland.

Shovel test subsoils across the project area were generally characterized as disturbed dark grayish brown (Munsell: 10YR-4/2) sand at a depth of 0-20 cm, and intact pale brown (10YR-6/3) sand at a depth of 20-110 cm.

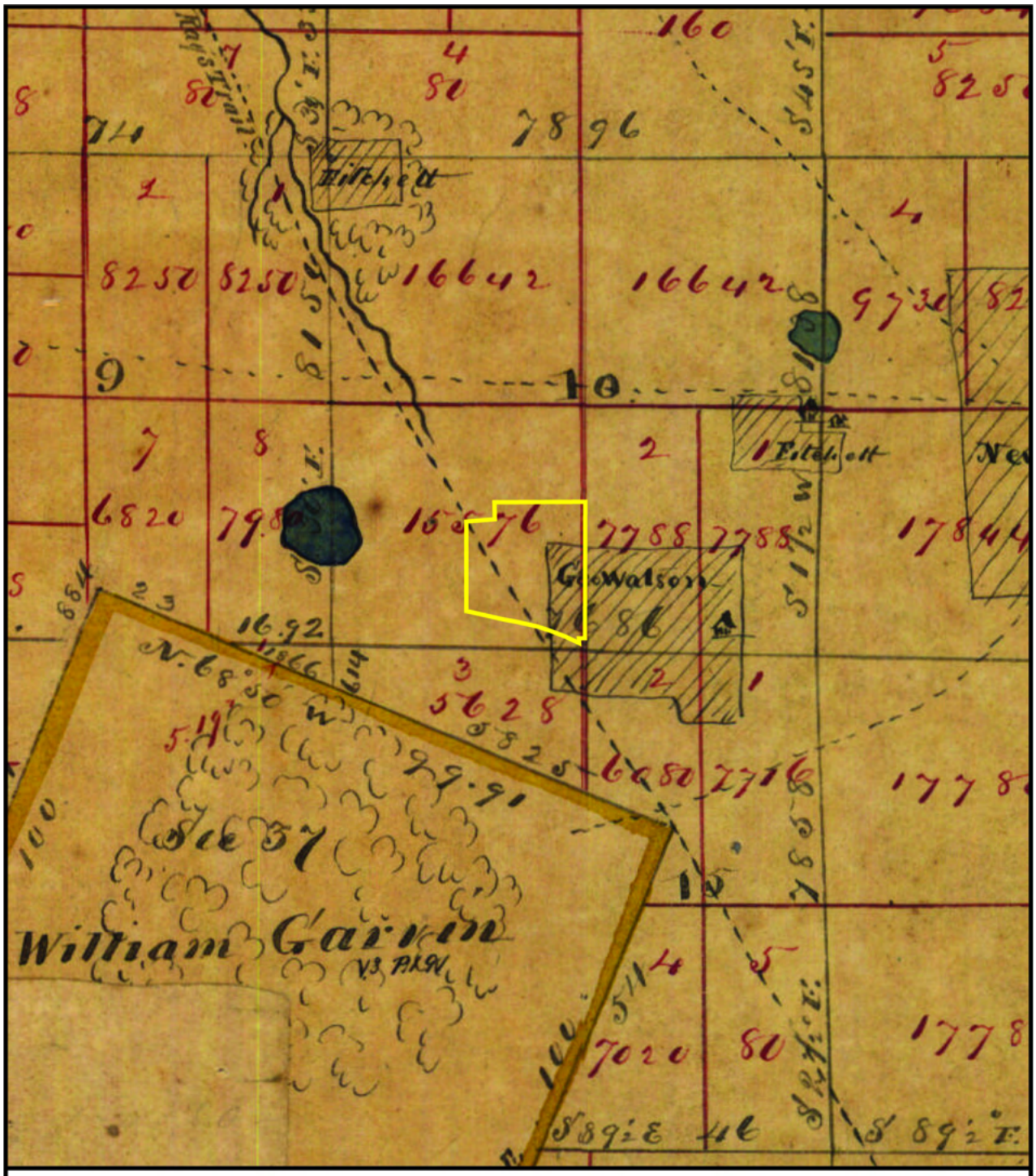

Figure 2. 1826 plat map of the Tara Phoenicia project area.

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Base map source: LABINS

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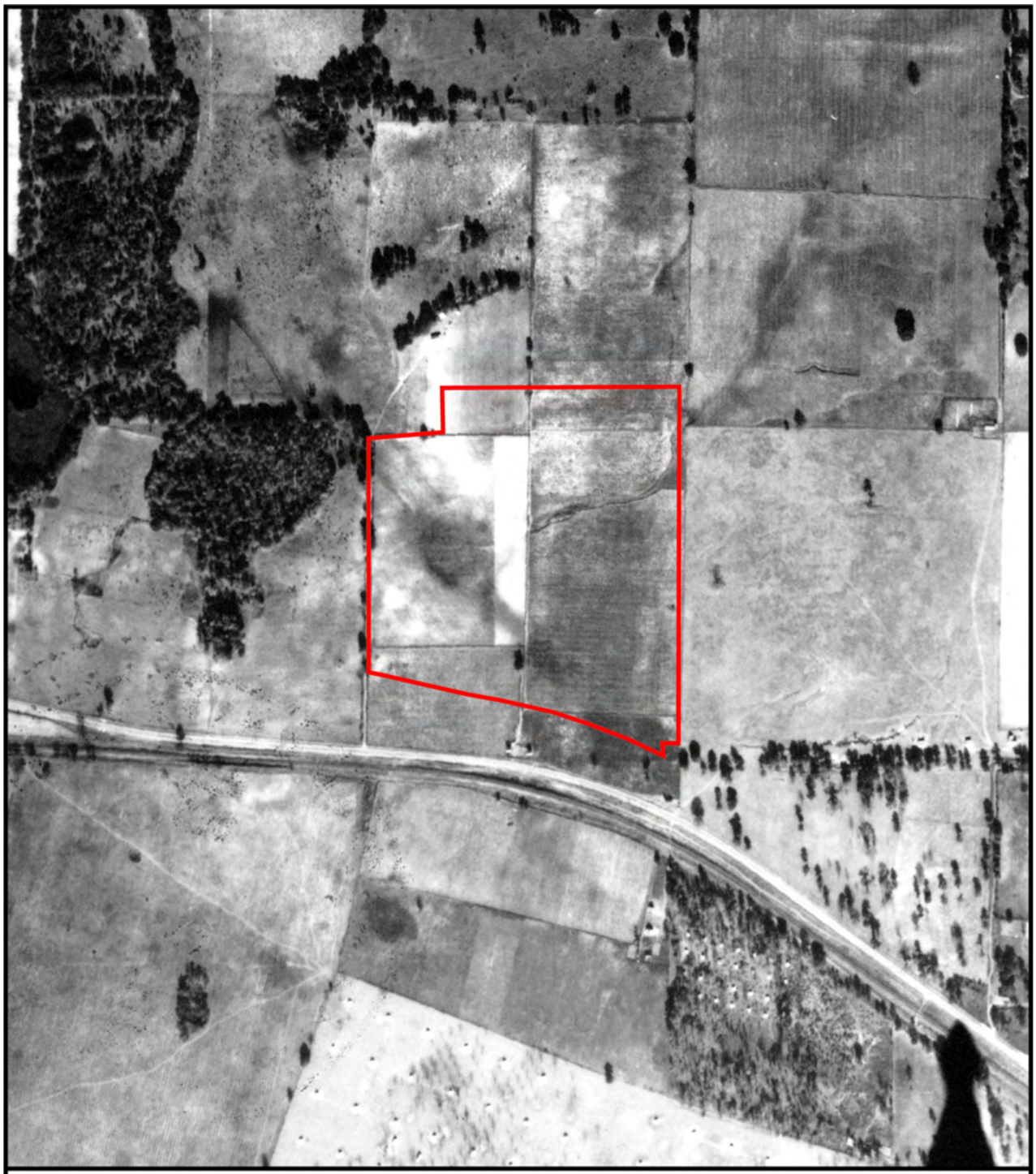

Figure 3. 1937 aerial photograph of the Tara Phoenicia project area.



Figure 4. Photograph view north at the project area.



Figure 5. Photograph view west at the project area.

CULTURAL CONTEXT

Paleoindian Period (12,000-6,500 BC)

The Paleo-Indian period of Florida prehistory begins with the arrival of the first humans to the area at about 11,000-12,000 BC and lasted to about 6500 BC (Milanich and Fairbanks 1980). Once considered nomadic hunters by archaeologists, the Paleo-Indian are now believed to have engaged in settlement and subsistence strategies and not have solely depended on hunting now extinct Pleistocene mammals and gathering wild plants.

A widely accepted model for Paleo-Indian subsistence is the oasis hypothesis by James S. Dunbar and S. David Webb (Dunbar 1991). The oasis model suggests that watering holes were crucial to animals for drinking at a time when Florida was arid and cold and drinking supplies were scarce. In addition to these watering holes attracting the animals for drinking, they also provided the Paleo-Indians with a place to hunt and eat the animals that frequented the locales and as a water supply for themselves (Milanich 1994). This model is supported by the distribution of camps at former watering holes and other perched water sources, including shallow lakes and prairies and sinks in the karstic, Tertiary regions of Florida and other sites just outside the karst regions such as the St. Johns River drainage (Dunbar, Webb and Cring 1989).

Due to preservation biases in the archaeological record, lithic tools generally associated with past hunting and butchering activities are the most frequently recovered artifacts at Paleoindian sites. The most commonly recognized Paleoindian stone implement is the fluted lanceolate projectile point. Diagnostic spear point types found in Florida include Clovis, Simpson, and Suwannee (Bullen 1975). Archaeological evidence also suggests that bone pins, stone knives, lithic scrapers, and atlatls were also used by Paleoindian hunters (Milanich 1994).

Archaic (6,500-500 BC)

The Archaic period of cultural development in Florida is generally believed to have begun at around 6500 BC and lasted to about 1000 BC. Following dramatic changes in climate and the dying out of the Pleistocene megafauna the Archaic period is characterized by a change in adaptive strategies and is marked in the archaeological record by a change in the size and shape of projectile points, changes probably reflecting environmental changes leading to the gradual alteration in subsistence patterns some 5000 years ago at the onset of environmental conditions similar to those of the present. This period is further characterized by the efficient, seasonal exploitation of a wider range of food resources including deer and small game, hardwood nuts, mollusks, and a larger but less carefully worked stone tool assemblage. Some Archaic groups are also believed to have led a semi-sedentary existence (Milanich and Fairbanks 1980). Archaic site types include hunting camps, base camps, butchering sites, quarries and cemeteries.

The environment of the Archaic period was characterized by warmer climatic conditions and higher sea levels, resulting in the emergence of a mesic oak-hickory forest (Milanich and Fairbanks 1980). The Pleistocene megafauna were unable to adapt to the more arid Holocene environment. As a result, Archaic period Indians focused their subsistence strategies on the procurement of

smaller game, fish, wild plant foods, and in some cases, shellfish. Thus, the period seems to have been characterized by changes in human subsistence patterns, tool manufacturing techniques, and the surrounding environment itself. As the population became more sedentary, a variety of site types evolved, including base camps, short-term camps, procurement camps, and cemeteries. By about 6500 BC, the Florida populace had developed a sedentary, or semi-sedentary, settlement system wherein groups seem to have established permanent habitation sites of larger size than had been utilized previously. However, small groups continued to roam the interior, periodically aggregating at large centralized settlements within the central highlands of North Florida (Hemmings and Kohler 1974). While many small lithic scatter sites potentially dating to the Archaic period in Florida have been recorded, only a few large Archaic sites have been investigated archaeologically.

Archaic groups produced a tool assemblage that was not as well executed as those of the Paleoindian period. Qualitatively, Archaic period stone tools are quite different from those of the earlier Paleo era in that, with some prominent exceptions, they appear to have been much more expediently produced. Observable wear patterns indicate varied uses of individual tools, and the degree of attrition is comparatively minimal in many cases, suggesting that tools were used sparingly before being discarded. Paleoindian tools, on the other hand, were manufactured for specific tasks, and were repeatedly used until they were lost, broken or worn out. The most well-known artifacts of the Archaic Period in Florida belong to a family of large, stemmed spear point types that are variations of a basic design, and include Hillsborough, Newnan, Alachua, Putnam and Marion types (Bullen 1975).

Deptford Period (500 BC-AD 500)

Milanich and Fairbanks (1980:66) describe the Deptford people as primarily a "coastal dwelling culture" which relied heavily on maritime subsistence strategies. Deptford culture flourished between circa 500 BC and AD 500. Many Deptford sites include large linear shell middens that contain plain pottery or ceramics with checked patterns stamped on the exterior of the pot (Milanich and Fairbanks 1980). These exterior patterns were produced by impressing or stamping the vessel with carved wooden paddles before firing. These paddled designs have been incorporated into the name of the wares by archaeologists; Deptford Checked-Stamped is an example. The Deptford period is also marked by the gradual change from fiber-tempering to sand and grit-tempering. Besides check-stamping, surface treatments can be plain, cord-wrapped, brushed, punctated, or malleated (Milanich and Fairbanks 1980). Lithic tools are extremely rare in Deptford sites, with only small triangular points occurring in small numbers (SEARCH 2007).

Although the majority of Deptford sites are located on the coast, inland sites have been recorded in the interior forests and inland riverways. Deptford sites are poorly represented in north-central Florida, but these coastal people were apparently coming inland to procure raw materials and seasonal resources. The sites are primarily short-term occupations by small groups likely traveling the inland waterways in search of nuts, berries, and other terrestrial resources. These sites are often found along lakes and streams where hickory and oak are present. In Alachua County, a Deptford component was found at the base of the Law School Mound (8AL297) (Fradkin and Milanich 1977), with a hearth containing the charred fragment of a hickory nut. A few large Deptford sites are found in this region,

mostly dating to post-AD 100; one example is the Big Fanning Springs village site (8LV505) (Weisman and Newman 1995).

St. Johns Culture (500 BC - AD 1565)

St. Johns is characterized by chalky pottery produced between 500 BC and AD 1565, increased population and settlement numbers compared to the Archaic period, construction of sand burial mounds, continued economic dependence on aquatic resources, and greater emphasis on plant cultivation (Goggin 1952:40; Milanich 1994:243-274). While St. Johns ceramics are found across the peninsula, the St. Johns River drainage in central and northeastern Florida was the core area of the St. Johns culture. In eastern and central Florida, the St. Johns culture grew directly out of the Orange culture. This is evidenced by the carryover of late Orange period designs to early St. Johns period pottery. Within the St. Johns period there are two major subdivisions (I and II).

St. Johns I

The St. Johns I period is divided into three subperiods (I, Ia, and Ib) on the basis of observable changes in material culture, most notably ceramics (Goggin 1952:40; Milanich 1994:247). People of the St. Johns I culture (500 BC to AD 100) were foragers who relied primarily upon hunting, fishing and wild plant collecting. During this time, the resources found near freshwater wetlands, swamps, and the coastal zones were typically the most heavily exploited. St. Johns I sites are typically shell middens in coastal zones that contain St. Johns Plain and St. Johns Incised pottery. At St. Johns Ia sites (AD 100 to 500), St. Johns Plain and Incised pottery continued to be produced and a red-painted St. Johns variant called Dunns Creek Red was also made. Exotic Hopewellian artifacts also occur in burial mounds. Weeden Island pottery (a primarily Gulf coast ware) has been recovered from late St. Johns Ia sites, apparently acquired as a trade ware. The St. Johns Ib period (AD 500 to 750) is similar to the Ia period, with the carryover of St. Johns Plain and Incised wares and Dunns Creek Red, but Weeden Island pottery becomes more common. However, the majority of everyday ceramics are plain. As the St. Johns culture progressed, sand mounds continued to be constructed and became larger through time.

St. Johns II

St. Johns II period is further divided into three subperiods (IIa, IIb, and IIc). As populations grew, the number and size of mounds and villages increased. The emergence of check stamping marks the beginning of the St. Johns II period around AD 750 and, along with plain pottery, dominates the assemblages throughout the period. During St. Johns IIa (AD 750-1050), incised and punctated wares, possibly a reflection of Gulf coast influences, occur with some frequency in mounds and middens. Late Weeden Island pottery continued to be traded into the St. Johns region and is recovered in sand burial mounds.

The St. Johns II culture reached its apex in terms of social, political, and ceremonial complexity during the St. Johns IIb period (AD 1050-1513). Classic Mississippian traits such as the construction of large truncated mounds and the presence of Southern Ceremonial Complex burial paraphernalia in association with perceived elite burials are evident (Milanich 1994; Smith 1986), indicating influence from northwest Florida. Some sand burial mounds were quite large and

ceremonially complex, including truncated pyramidal mounds with ramps or causeways leading up to their summits (Milanich 1994:269-270). The rise in the number of St. Johns village and mound sites implies greater cultural complexity compared to that of the earlier St. Johns I period (Milanich 1994:267-274; Miller 1991). Shell and bone ornaments, worked copper, and other exotic materials and artifacts occur with some frequency in burial mounds (Goggin 1952; Milanich 1994).

In addition to the exploitation of aquatic resources for subsistence, it has been suggested that there was an increased dependence on horticulture during St. Johns II times (Goggin 1952; Milanich 1994:263-264). In fact, sixteenth-century French and Spanish documents allege that beans, squash, and maize were heavily cultivated by the Timucua of northern Florida (Bennett 1964, 1975; Lawson 1992), although direct evidence of prehistoric horticulture is lacking for the St. Johns region.

Cades Pond Period (AD 100-600)

A Weeden Island-related culture, exclusive to north-central Florida, is the Cades Pond culture (AD 100-600). Sites associated with this culture are restricted to the region between the Santa Fe River and Orange Lake and occur primarily on the wetter, east side of Alachua County. They are especially common around Paynes Prairie and Orange Lake. Cades Pond was initially defined by Goggin (1949), who noted a resemblance in the ceramics found in burial mounds to the St. Johns culture on the northeast coast and to Weeden Island cultures on the Golf coast (AD 300 to 600). Burial mounds and village sites are found in combination, but each contains distinctive ceramic assemblages. At Cades Pond villages, sand-tempered plain ceramics comprise up to 95 percent of the ceramic assemblage. In contrast, the ceramics found in the burial mounds are dominated by Deptford, Dunns Creek Red, and St. Johns Plain ceramics (Milanich 1994:228). Later period mounds contain early Weeden Island decorated ceramics (Smith 1972). Point types associated with Cades Pond sites include Columbia, Jackson, and Bradford types (Bullen 1975) along with small triangular points.

Alachua Tradition Period (AD 600-1539)

Cades Pond was replaced by the Alachua Tradition about AD 600. This culture is marked by the introduction of an agricultural way of life. The Alachua Tradition was initially defined by Goggin based on survey and excavations he and his students conducted in the late 1940s (Goggin 1947, 1949). Based on these excavations, Goggin concluded that the Alachua Tradition was a sedentary, agricultural way of life with people living in extensive villages. Their pottery was mostly cord-marked or cob-marked. Burial mounds were rare. He noted that this complex did not resemble the surrounding Florida cultures (Goggin 1949:39).

Current evidence indicates that the Alachua Tradition did not evolve from the preceding Cades Pond culture. Instead, it is postulated that Cades Pond people were displaced by the migration of new people into the area, who carried with them a distinct material culture. In the 1970s, Jerald Milanich published several papers on the Alachua Tradition in north-central Florida (Milanich 1971; Milanich et al. 1976). He noted mutually exclusive settlement patterns between the Cades Pond and Alachua peoples. Alachua sites are located on good agricultural soils especially at higher elevations with good drainage along the Hammock Belt (Milanich 1994:334), whereas Cades Pond sites are located adjacent to wetlands. Milanich (1994) postulates that the Alachua Tradition represented a migration of Ocmulgee

social groups from inland southern Georgia, which is evidenced by an artifact assemblage and environmental adaptive strategy similar to that area. However, ceramics resembling the Alachua Tradition also occur on Florida's Gulf coast and the Ocmulgee were not an agricultural people (Milanich 1994).

Based on ceramic seriation, the pre-contact Alachua culture can be subdivided into two main temporal periods: Hickory Pond (AD 600 to AD 1250), and the Alachua (AD 1250 to European contact in 1539). The Hickory Pond ceramic assemblage is dominated by cord- marked vessels that were decorated with paddles or dowels wrapped in cordage. During the Alachua period, cord marking was replaced by cob marking, which is achieved by applying a dried corncob to the wet clay to leave a distinctive cob-marked appearance (Milanich 1994:338). The emergence of cob-marked pottery is assumed to have coincided with the development of maize agriculture. Kohler and Johnson (1986) further defined Alachua series ceramics as including Alachua Cob-Marked, Prairie Cord-Marked, fabric-marked and net-marked (both very rare), punctated over cord-marked (rare), and Lochloosa Punctated.

Ceramic traits may have changed over time in the Alachua Tradition but other cultural traits remained constant. Alachua culture assemblages are dominated by midden deposits, which lack shell but are packed with pottery, bone tools, and lithic artifacts. The small, triangular Pinellas Point is the typical flaked arrow point throughout the Alachua Tradition (Bullen 1975).

Historic Period

Hernando de Soto Expedition

Hernando de Soto was given the title Governor of Cuba by the king of Spain, Carlos V, in 1536. He was also given "La Florida," the area previously given to Pánfilo de Narváez. De Soto chose to use Cuba as a home base for his supplies and for planning his expeditions. He spent his fortune recruiting, arming, and transporting his own army. When he left Spain in 1538, he was heavily in debt. He believed, however, that he would regain his fortune by finding gold in "La Florida." De Soto sent guides ahead to locate and chart a course for his army. The expedition set sail for Florida on the 18th of May 1539, with five large vessels and four smaller ones. On these vessels were de Soto's army as well as priests, women, horses, mules, war dogs, and pigs. On May 25th, they made landfall in the Tampa Bay area. De Soto's expedition initially landed at Piney Point. They made camp at Uzita, which was a native village on the northern shore of the Little Manatee River. Amazingly, a cavalry patrol found a Spanish survivor from an earlier expedition. He had been searching for gold along with Narváez eleven years earlier. The Spanish survivor's name was Juan Ortiz and he had been living as an Indian. Ortiz's rescue was a great find for de Soto since Ortiz could communicate in Spanish and many of the native languages. He could also function as a guide for the area. As de Soto's expedition moved inland, however, they met different native groups whose languages were unfamiliar to Ortiz (University of South Florida 2022).

De Soto's march inland began July 15, 1539, and entered previously unexplored areas of Florida's forests, rivers, bogs, and sand hills. In the vicinity of Zephyrhills and Lumberton, they found no water and several people on the journey almost died of thirst. When they finally came to the Alafia River, they constructed a bridge and crossed successfully. Hernando de Soto and his men trudged through

the wetland areas at the Cove of the Withlacoochee River. One of de Soto's challenges was crossing the Withlacoochee River because it had such strong currents. The army stretched a rope from one side to the other and managed to cross successfully. On July 29th, de Soto occupied the Timucuan Indian province of Ocali (near present-day Ocala). There, de Soto left the main part of his army and led a smaller group through present-day Levy and Alachua counties. When they reached the Santa Fe River, they crossed it and camped at a village named Aguacaleyquen. Hernando de Soto then sent a small group of men back to lead his main group northward to be reunited with them. De Soto and his army decided to head north out of Florida into Georgia. Later, he explored areas of North and South Carolina, as well as Tennessee and Alabama. By the early 1540s, he headed across the Mississippi River to look for gold and silver in what is now Arkansas. In 1542, he became ill and died of a fever (University of South Florida 2022).

Potano

The people of the Alachua culture inhabited north Florida when European explorers arrived. The Potano people are the historic descendants of the Alachua culture mixed with Spanish influence. In order to convert the local Potano Indians to Christianity, the Spanish established Franciscan missions in the region. The Mission San Francisco de Potano (Fox Pond site; 8AL272) was established northwest of modern-day Gainesville in 1603 (Milanich and Hudson 1993). Excavations at some early contact period sites have provided insight into the acculturated Potano peoples (Johnson 1991; Milanich 1972; Weisman 1992).

Cattle ranches were established in this region as a way of supporting the missions and the colonists in St. Augustine. Cattle roamed Paynes Prairie from at least 1650 on (Arnade 1961). Alachua County's name dates to the 1680s when a ranch named "Allachua" was established here (Dunn 1998:14). After the destruction of the mission system by the British in 1702, north- central Florida was essentially abandoned, as the few remaining Indians fled to St. Augustine for safety (Milanich 1995). Seminoles began to occupy the area around Paynes Prairie around 1750 (Fairbanks 1975), utilizing some of the feral cattle abandoned by the Spanish 50 years before.

Seminoles

The people who became known as the Seminoles migrated into Florida from Georgia and Alabama. The Oconee Creeks of central Georgia, led by Cowkeeper (so named because of his large cattle herd), migrated into the Alachua region between 1739 and 1750, eventually becoming the nucleus of the Seminole band (Mahon 1985). Around the same time, a group of Lower Creeks and their Yamassee slaves from southeastern Georgia were led into north Florida by their leader, Secofee. Later, factions of the Upper Creeks from the Alabama Territory also migrated into north Florida as a result of the Creek War of 1813-1814. This conflict was a civil war between the Upper and Lower Creeks. Andrew Jackson, angry that this battle had spilled over into American territory and taken Euro-American lives, formed an alliance between the U.S. Army and the Lower Creek forces and defeated the Upper Creeks, also known as the Red Sticks. The Red Sticks migrated to Florida after their loss, and though they joined the Lower Creek bands already in Florida because they had little choice, they remained bitter toward the Lower Creeks. By 1770, the migration of these various Indian groups into Florida was complete and they began to identify themselves separately from the Creek Confederacy.

The Seminoles were divided into bands, and each band lived in a separate autonomous town. Cuscowilla, one of the largest Seminole towns in Florida during the 1770s is reported to have been located in Alachua County between Payne's Prairie and Lake Tuscawilla near the present-day town of Micanopy. The village was supposedly located along the northwestern shore of Lake Tuscawilla; however, the exact location of Cuscowilla has not been documented archaeologically. Cuscowilla is described by Covington (1993:13) as consisting of some thirty dwellings, several hundred Seminoles, and a "considerable number of Yamassee slaves," cattle and horses, and farm fields. It was the capital village of the region and was governed by Cowkeeper. Covington records two other pre-1770 Seminole towns in Alachua County-Alachua and Santa Fe. Weisman (1989) notes four additional towns- Payne's Town (8AL366), Latchaway, Zetrouer (8AL67) and Lasnick-Sears (8AL67). As Spanish trade during this time was limited, traditional pottery manufacture methods were still employed by the Seminole. In addition, they supplemented flintlock guns with bows and arrows.

William Bartram passed through this area of Florida in 1774 and described the Seminoles in his book *Travels of William Bartram*. Bartram stayed at the town Cuscowilla, and noted that Cowkeeper was dressed simply, ornamented with Creek goods, and had several slaves, who were permitted to marry free Indians. Several "Seminoles" had been baptized and wore silver crosses and understood Spanish. Cowkeeper served a feast of venison, hominy, and water mixed with honey. Arriving at the Alachua savanna (modem-day Payne's Prairie), Bartram witnessed herds of cattle and Seminole horses (Bartram 1928).

Prior to the First Seminole War, the Seminole people prospered in Florida, raising cattle and growing their traditional crops of com, beans, squash, and tobacco (Fairbanks 1973). The British set up several trading posts in Florida and the Seminoles traded deer, wild cattle and furs in exchange for guns, iron tools, cloth and a variety of ornamental jewelry (Fairbanks 1973). This trade brought prosperity to some Seminole individuals.

Alachua County History

Shortly after the United States acquired Florida, Alachua County was created in 1824, encompassing 16 separate present-day counties (Morris 1995:2). Micanopy was the county seat until four years later it was moved to Newnansville (Opdyke 1974). Despite its size, only 2,204 people lived in Alachua in 1830 (Dietrich 1978:13). In an effort to increase the territory's White population, the government sought to remove the Seminoles, resulting in the Second Seminole War (1835-1842). The military erected over 24 forts in the county (Opdyke 1974). The war ended, but the lack of transportation stymied development. The City of Newnansville served as the Alachua County seat until 1854 when a railroad was constructed from Fernandina to Cedar Key. The railroad bypassed the town to the east, and so, to be nearer the railroad the U.S. Land Office relocated there and the Alachua County seat was moved to the new railroad town of Gainesville. Gainesville was founded in 1854 and had a population of 223 residents and an unknown number of slaves (Johns 1963). The Florida Railroad, which connected Fernandina and Cedar Key, came to Gainesville in 1860 and brought about an economic boom (Hildreth and Cox 1981:2). In 1884, when the Savannah, Florida and Western Railroad bypassed Newnansville about a mile to the south, the settlers moved their businesses to a new town called Alachua, which began as a shipping point. Newnansville slowly became a town of the past as it gave way to the new town of Alachua, which was incorporated in 1905 as the City of Alachua that had a population of 526 at the time (Alachua Historical Society 2022).

County growth was stopped by war in 1861. Although no major Civil War battles occurred in Florida, county residents witnessed two skirmishes in 1864. The war ended and sharecropping replaced slavery as the predominant agricultural production strategy. Sea Island cotton became the most popular crop in 1866. However, heavy rains in 1867 ruined the cotton, forcing growers to diversify their crops (Hildreth and Cox 1981:71-73). Destroyed during the war, the railroad was rebuilt by 1867 (Hildreth and Cox 1981:56-57). As railroads crisscrossed the county, they gave birth to towns including Waldo and Archer, High Springs, and Newberry. Agriculture constituted the county's primary industry during the 1870s and 1880s with farmer growing vegetables, citrus, and cotton (Robinson 1882:83-84; Webber 1883). During Reconstruction, the county had a population of 3,767 whites and 4,465 blacks (Opdyke 1974).

PREVIOUS RESEARCH

The general area near the project area has been subjected to very few archaeological investigations, and only a few documented archaeological sites are known to occur, such as site 8AL166 (Alachua Field), which was first documented in 1920 by James Clarence Simpson. Simpson was a self-taught expert in the fields of paleontology, archaeology, zoology, and in various aspects of geology. He was born in 1910 in Micanopy and raised in High Springs, Alachua County. Simpson was hired by the Geological Survey in 1930 (Mitchem 2019). His descriptions of site 8AL166, characterize it as two constructed low sand mounds (at least one of which was 3 feet high and 40 feet in diameter) and a prehistoric village site, which was heavily disturbed or destroyed by historic farming activities. He collected lithic artifacts and pottery from the site (Simpson 1930). Later researchers have suggested that the site is related to the Late Alachua Tradition Period, and has a possible Hernando de Soto contact (AD 1539) association, and also a possible Spanish Period mission site. However, the exact location of this site is no longer known, and is now defined by a general vicinity. A portion of a historic trail (Ray's Trail) is depicted on an 1826 plat map of the area (Figure 2), which may have connected to the site (and once crossed through the subject project area), and also could possibly be the same trail that Hernando de Soto used during his march with the Spanish army through this area of Alachua County (Johnson 1987).

Other notable prehistoric sites in the general area of the project area include sites 8AL3423, 8AL3424,and 8AL3425. These sites were documented as part of the C.A.R.L. archaeological survey in 1997, which are primarily characterized as lithic chert flake scatters of an indeterminate prehistoric period.

FMSF Literature Review

As part of the literature review, a search was conducted with the Florida Division of Historical Resources for relevant archives and literature. As a result of this review, the Florida Master Site File (FMSF) compiled a roster of 126 previously recorded cultural resources (Table 1) and 5 previous cultural resource investigations (Table 2) within a 1.6-kilometer (1.0 mile) radius of the project area. None of these previously recorded cultural resources or previous cultural resource investigations occur within the project area boundaries.

Table 1. Previously Recorded Cultural Resources within a 1.6-Kilometer Radius of the Project Area (Not including structures)

Site No.	Site Name	Site Type
AL00149	NEWNANSVILLE TOWN SITE	Archaeological
AL00166	ALACHUA FIELD	Archaeological
AL00225	NN	Archaeological
AL02930	Small Cemetery	Cemetery
AL03423	APRIL	Archaeological
AL03424	BLU	Archaeological

AL03780	CITY OF ALACHUA DOWNTOWN HISTORIC DIST.	Resource Group
AL05103	Newberry Railroad	Resource Group
AL05393	Jacksonville, Gainsville & Gulf RR	Resource Group

Table 2. Previous Cultural Resource Investigations within a 1.6-Kilometer Radius of the Project Area

Survey No.	Date	Author	Title
27964	2021	SWCA Environmental Consultants	Cultural Resources Constraints Analysis and Field Assessment for the Arbours at Merrillwood Project in Alachua County, Florida
8936	2003	Environmental Resources Management	"Request for Technical Consultation, Tower Replacement, FL-Alachua County
5986	2000	QUATREFOIL/ANDERSON CONSULTING	Historic Structures Survey of Unincorporated Alachua County
5669	1999	MURRAY D. LAURIE	City of Alachua Downtown Redevelopment District, A Survey of Architectural and Historical Resources
1717	1988	Florida Department of Transportation, Tallahassee.	Proposed addition of two (two) traffic lanes in the existing median of I75 (one travel lane in each direction), from SR222 in Alachua County northward to the Georgia State Line.

METHODOLOGY

Prior to conducting fieldwork, relevant archives were consulted and literature was reviewed. This included, but was not limited to, site forms and surveys from the Florida Master Site File (FMSF) in Tallahassee concerning previously recorded sites and investigations located within a 1.6-kilometer (1-mile) radius of the project area, USGS maps, USDA soil maps, LIDAR, historical maps and various historic/modern aerial photographs.

RESEARCH DESIGN

This Phase 1 Cultural Resources Assessment Survey of the Tara Phoenicia project area incorporated the use of certain predictive archaeological site models. These models are based on topographic and vegetative attributes that are associated with prehistoric and historic sites in Alachua County. These models postulate that elevated ridges, xeric sandhills, or upland hardwoods in close proximity to lakes, rivers, sloughs, or sinkholes are high probability areas for prehistoric archaeological sites to occur. Aerial photography and USGS maps aided in revealing anthropogenic changes to the topography and vegetative communities, which defined areas of probability within the project area.

It was determined that the west side of the project area contained a High Probability Zone (HPZ) for prehistoric sites to occur that consisted of elevated and undulating hills and slopes near a wetlands sinkhole. The remaining area of the property that was outside of the High Probability Zone was determined to be a Moderate Probability Zone (MPZ), characterized as elevated undulating hills and slopes, but with no freshwater sources.

FIELDWORK METHODS

A pedestrian survey was conducted across the entire property, and a total of 105 shovel tests were excavated across the project area (Figures 6 & 7) at 25-meter intervals or less on a grid within the High Probability Zone. Shovel tests were excavated at 50-meter intervals within the Moderate Probability Zone. Shovel tests measured 50 cm in diameter and were excavated to the depth of at least 100 cm. All sediments excavated were sifted through a 6.35 mm hardware mesh screen. The location of each shovel test was recorded along with information concerning stratigraphy. Following the recordation process, all shovel tests were backfilled. Photographs were taken to document field conditions, probability zones, shovel tests, and artifacts.

COLLECTIONS

A total of thirty-one field specimens (FS #1-31) were collected as a result of this assessment (see Appendix I. Field Specimen Log).

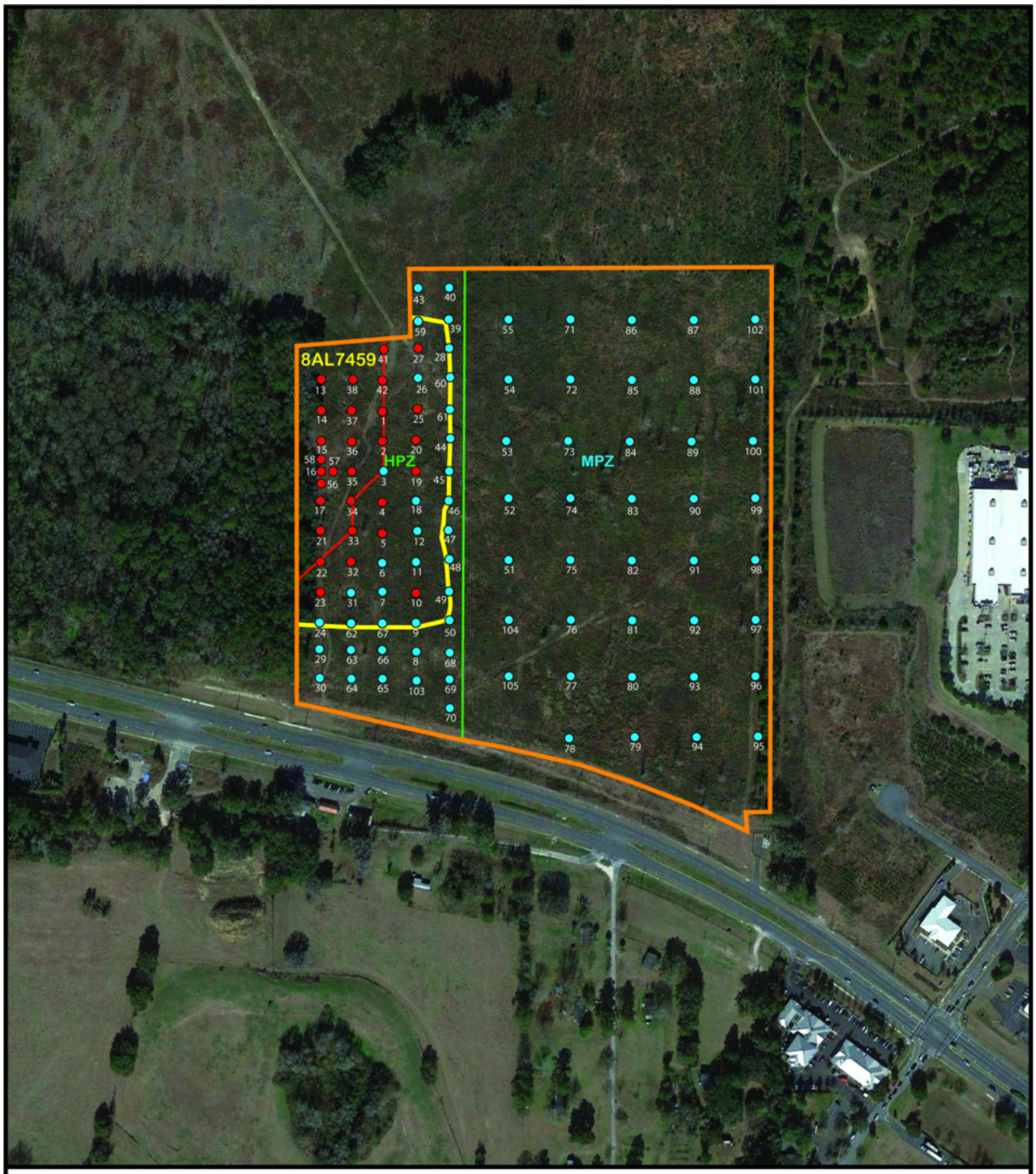

Figure 6. 2021 aerial photograph of the Tara Phoenicia project area, shovel tests, and site 8AL7459.

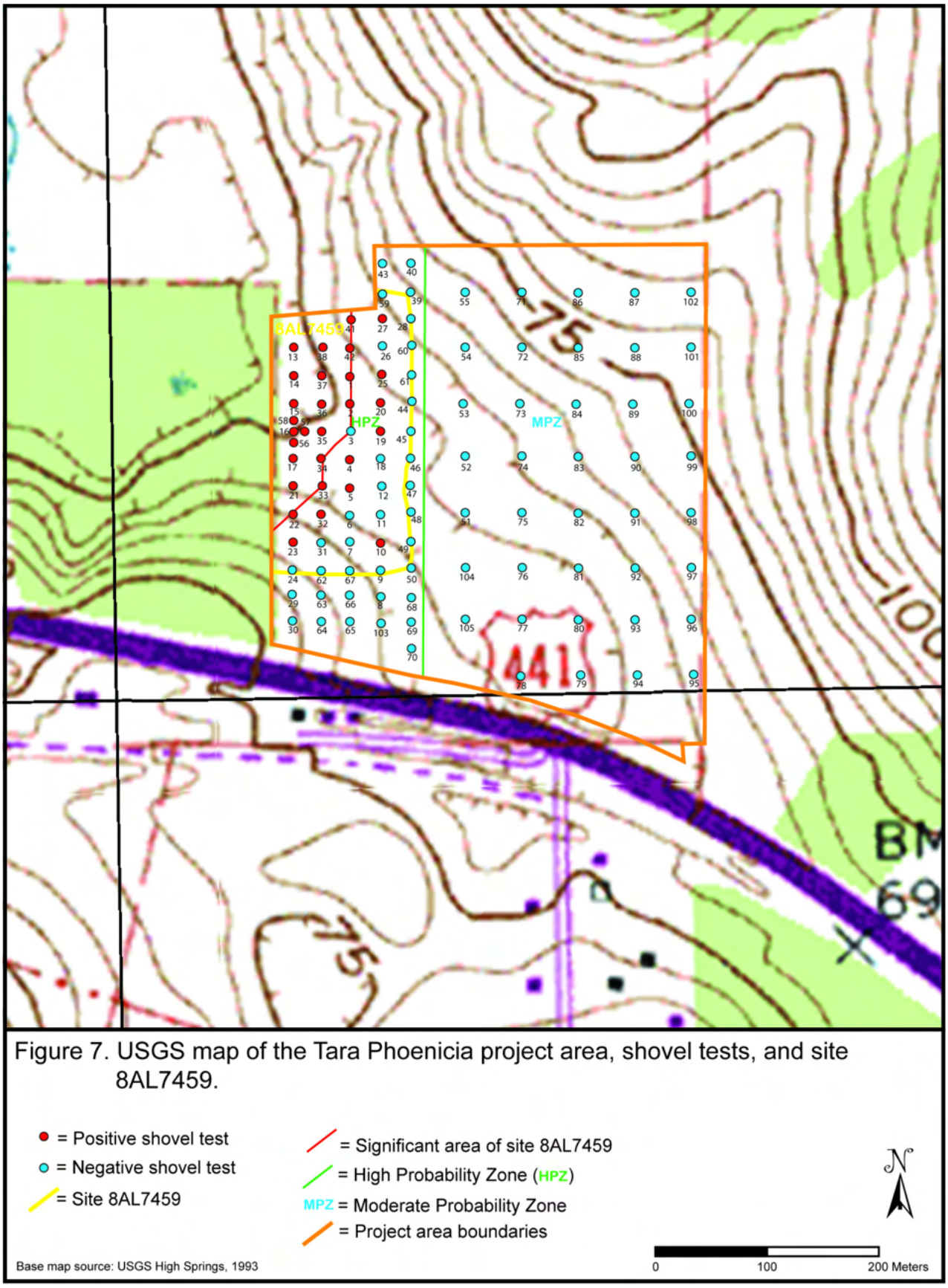

Figure 7. USGS map of the Tara Phoenicia project area, shovel tests, and site 8AL7459.

RESULTS

A review with the Florida Master Site File (FMSF) indicated that no previously recorded cultural resources or previous cultural resource investigations occur within the project boundaries. A portion of a historic trail (Ray's Trail) is depicted on an 1826 plat map of the project area (Figure 2), which may have once crossed through the project area on an alignment from the northwest corner of the project area and through to its south-central area. This trail could possibly be the same trail that Hernando de Soto used during his march with the Spanish army through this area in AD 1539 (Johnson 1987, Simpson 1930). No evidence of this trail was found within the project area as a result of the fieldwork investigation.

This archaeological assessment resulted in the documentation of one newly recorded prehistoric site, 8AL7459 (Tara Phoenicia), which is characterized as a sparse to dense prehistoric chert and ceramic artifact deposit that likely represents a lithic reduction and tool manufacturing encampment and scatter. The documented moderate to dense cultural material deposits within shovel tests, resulted in defining a significant area of the site (Figures 6 & 7). The associated prehistoric periods for this site are likely Middle Archaic (5000-3000 BC) and Late Archaic (3000-500 BC) based on diagnostic artifacts consisting of chert projectile points and semi-fiber tempered ceramics. The majority of recovered artifacts consisted of tertiary chert flakes with other lesser quantities of recovered artifacts and ecofacts that included chert shatter, chert projectile points, semi-fiber tempered ceramics, sand tempered plain ceramics, red ochre, charcoal, and one snake vertebra (see Appendix I. Field Specimen Log). A total of twenty-nine shovel tests (Shovel Tests 1, 2, 4, 5, 10, 13-17, 19-23, 25, 27, 32-38, 41, 42, & 56-58) were found to be positive for cultural material, which were found at depths that ranged from 0-130 cm; however, the cultural deposit continued to greater depths below 130 cm in some shovel tests, but could not be feasibly accessed and documented by shovel testing methods. Subsoils within positive shovel tests were generally characterized as disturbed dark grayish brown (Munsell: 10YR-4/2) sand at a depth of 0-20 cm, and intact pale brown (10YR-6/3) sand at a depth of 20-110 cm.

The documented site area of 8AL7459 measures approximately 275 meters (902 feet) north to south by 125 meters (410 feet) east to west; however, the site does extend beyond the project area limits. The exact temporal periods of site 8AL7459, its function, and its overall significance is not fully understood; therefore, it has been determined that there is insufficient information at this time to conclude the site's *National Register of Historic Places* (NRHP) eligibility. A full understanding and definition of the site would require further archaeological investigations.



Figure 8. Photograph view south at site 8AL7459.



Figure 9. Photograph view west at site 8AL7459.



Figure 10. Photograph of chert projectile points from site 8AL7459 (A: FS1; B: FS12).



Figure 11. Photograph of selective tertiary chert flakes from site 8AL7459 (A, B: FS12; C: FS15; D, E, F: FS16; G, H: FS19).



Figure 12. Photograph of selective chert shatter from site 8AL7459 (A: FS12; B: FS11; C: FS19).



Figure 13. Photograph of selective prehistoric ceramics from site 8AL7459 (A: FS11; B, C: FS13; D: FS15; E: FS14).



Figure 14. Photograph of red ochre from site 8AL7459 (A: FS12; B, C: FS13).

CONCLUSIONS AND RECOMMENDATIONS

In conclusion, one newly recorded site, 8AL7459, was documented as a result of this Phase 1 Cultural Resources Assessment Survey of the Tara Phoenicia project area. It is the consultant's opinion, based on the available data that site 8AL7459, is determined to have insufficient information at this time to conclude the site's NRHP eligibility; therefore, it is recommended that a Phase 2 Archaeological Assessment be conducted within the significant area of the site, if preservation is not feasible, in order to determine the site's NRHP eligibility. If human remains are discovered during future construction activities, then the provisions of *Florida Statutes* 872.05 (Offenses Concerning Dead Bodies and Graves) will apply.

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APPENDIX I. TARA PHOENICIA PHASE 1 CRAS - FIELD SPECIMEN LOG

FS #	Provenience	Description/Count	Date	Collected By
1	Surface Collection	Large Middle Archaic Period chert point (1: missing tip)	30 April 2022	J. Mankowski
2	ST-1: 0-80 cm	Tertiary chert flake (7: two of the flakes are heat treated)	30 April 2022	J. Mankowski
3	ST-2: 40-110 cm	Tertiary chert flake (2: heat treated)	30 April 2022	J. Mankowski
4	ST-10: 60-80 cm	Tertiary chert flake (2: one heat treated)	30 April 2022	J. Mankowski
5	ST-4: 40-80 cm	Tertiary chert flake (3)	30 April 2022	J. Mankowski
6	ST-5: 50-90 cm	Tertiary chert flake (3: two heat treated)	30 April 2022	J. Mankowski
7	ST-19: 60-70 cm	Tertiary chert flake (1)	1 May 2022	J. Mankowski
8	ST-20: 40-80 cm	Tertiary chert flake (5: two heat treated), secondary chert shatter (1)	1 May 2022	J. Mankowski
9	ST-25: 40-80 cm	Tertiary chert flake (2: one heat treated)	1 May 2022	J. Mankowski
10	ST-27: 40-90 cm	Tertiary chert flake (4)	1 May 2022	J. Mankowski
11	ST-56: 0-100 cm	Tertiary chert flake (34: twelve heat treated), tertiary chert shatter (3), secondary chert flake (3), semi-fiber tempered ceramic (1 body)	4 May 2022	J. Mankowski
12	ST-57: 0-120 cm	Tertiary chert flake (46: twenty-one heat treated), tertiary chert shatter (6), chert projectile point tip (1: heat treated),secondary chert flake (5: three heat treated), red ochre (1), charcoal (3)	4 May 2022	J. Mankowski
13	ST-13: 0-130 cm	Tertiary chert flake (26: four heat treated), tertiary chert shatter (1), primary chert shatter (2), secondary chert flake (3), secondary chert shatter (1), semi-fiber tempered ceramic (2 body), red ochre (2)	30 April 2022	J. Mankowski

14	ST-14: 20-120 cm	Tertiary chert flake (23: five heat treated), tertiary chert shatter (1: heat treated), sand tempered plain ceramic (1 body)	30 April 2022	J. Mankowski
15	ST-15: 0-110 cm	Tertiary chert flake (32: six heat treated), large secondary chert shatter (2), semi-fiber tempered ceramic (1 rim)	30 April 2022	J. Mankowski
16	ST-16: 0-120 cm	Tertiary chert flake (65: twenty heat treated), secondary chert shatter (1), secondary chert flake (2)	1 May 2022	J. Mankowski
17	ST-17: 20-110 cm	Tertiary chert flake (9: four heat treated), tertiary chert shatter (1), sand tempered plain ceramic (1 body)	1 May 2022	J. Mankowski
18	ST-58: 0-120 cm	Tertiary chert flake (34: thirteen heat treated), tertiary chert shatter (1: heat treated), secondary chert flake (1), sand tempered plain ceramic (1 body)	4 May 2022	J. Mankowski
19	ST-21: 20-110 cm	Tertiary chert flake (9: five heat treated), semi-fiber tempered ceramic (1 body)	2 May 2022	J. Mankowski
20	ST-22: 20-110 cm	Tertiary chert flake (4: three heat treated)	2 May 2022	J. Mankowski
21	ST-23: 50-60 cm	Tertiary chert flake (1: heat treated)	2 May 2022	J. Mankowski
22	ST-41: 30-70 cm	Tertiary chert flake (2: heat treated)	2 May 2022	J. Mankowski
23	ST-42: 20-40 cm	Tertiary chert flake (2: heat treated)	2 May 2022	J. Mankowski
24	Surface Collection	Tertiary chert flake (1)	3 May 2022	J. Mankowski
25	ST-32: 70-90 cm	Tertiary chert flake (2: one heat treated)	3 May 2022	J. Mankowski
26	ST-33: 40-90 cm	Tertiary chert flake (5: one heat treated), tertiary chert shatter (1)	3 May 2022	J. Mankowski
27	ST-34: 0-110 cm	Tertiary chert flake (6: three heat treated)	3 May 2022	J. Mankowski
28	ST-35: 0-110 cm	Tertiary chert flake (21: five heat treated), tertiary chert shatter (1), semi-fiber tempered ceramic (1 body)	3 May 2022	J. Mankowski

29	ST-36: 0-120 cm	Tertiary chert flake (24: eleven heat treated), tertiary chert shatter (1), primary chert flake (1), secondary chert flake (1)	3 May 2022	J. Mankowski
30	ST-37: 0-120 cm	Tertiary chert flake (25: nine heat treated), primary chert shatter (1), secondary chert flake (1)	3 May 2022	J. Mankowski
31	ST-38: 0-120 cm	Tertiary chert flake (33: eleven heat treated), tertiary chert shatter (2: one heat treated), primary chert flake (3), secondary chert flake (2: two heat treated), faunal bone (1: snake vertebra)	3 May 2022	J. Mankowski

Clear Form Values

Ent D (FMSF only) _____

Survey Log Sheet

Florida Master Site File
Version 5.0 3/19

Survey # (FMSF only) _____

Consult *Guide to the Survey Log Sheet* for detailed instructions.

Manuscript Information

Survey Project (name and project phase)
TARA PHOENICIA PHASE 1 CRAS

Report Title (exactly as on title page)
A PHASE 1 CULTURAL RESOURCES ASSESSMENT SURVEY OF TARA PHOENICIA PROJECT AREA ALACHUA COUNTY, FLORIDA

Report Authors (as on title page) 1. Joseph F. Mankowski 3. _____ 2. _____ 4. _____

Publication Year 2022 **Number of Pages in Report** (do not include site forms) 34

Publication Information (Give series, number in series, publisher and city. For article or chapter, cite page numbers. Use the style of *American Antiquity*.)
ADVANCED ARCHAEOLOGY, INC. (AAI) TECHNICAL REPORT #535

Supervisors of Fieldwork (even if same as author) Names Joseph F. Mankowski

Affiliation of Fieldworkers: Organization Advanced Archaeology, Inc City Fort Lauderdale

Key Words/Phrases (Don't use county name, or common words like *archaeology, structure, survey, architecture, etc.*)
1. Tara Phoenicia 3. _____ 5. _____ 7. _____
2. City of Alachua 4. _____ 6. _____ 8. _____

Survey Sponsors (corporation, government unit, organization, or person funding fieldwork) Clear Sponsor Values
Name Sayed Moukhtara Organization _____
Address/Phone/E-mail 7717 NW 20th Lane Gainesville, FL 32605

Recorder of Log Sheet Joseph F. Mankowski **Date Log Sheet Completed** 5-31-2022

Is this survey or project a continuation of a previous project? ☒No ☐Yes: **Previous survey #s (FMSF only)** _____

Project Area Mapping

Clear Mapping Values

Counties (select every county in which field survey was done; attach additional sheet if necessary)
1. Alachua 3. _____ 5. _____
2. _____ 4. _____ 6. _____

USGS 1:24,000 Map Names/Year of Latest Revision (attach additional sheet if necessary)
1. Name HIGH SPRINGS Year 1993 4. Name _____ Year _____
2. Name _____ Year _____ 5. Name _____ Year _____
3. Name _____ Year _____ 6. Name _____ Year _____

Field Dates and Project Area Description

Fieldwork Dates: Start 4-30-2022 End 5-8-2022 **Total Area Surveyed** (fill in one) 17.96 hectares _____ acres
Number of Distinct Tracts or Areas Surveyed 1
If Corridor (fill in one for each) **Width:** _____ meters _____ feet **Length:** _____ kilometers _____ miles

Survey Log Sheet

Survey #_____

Research and Field Methods

Types of Survey (select all that apply): ☒archaeological ☐architectural ☐historical/archival ☐underwater ☐damage assessment ☐monitoring report ☐other(describe): _____

Scope/Intensity/Procedures

A total of 105 shovel tests were excavated across the project area.

Preliminary Methods (select as many as apply to the project as a whole)

☒Florida Archives (Gray Building) ☐library research- *local public* ☒local property or tax records ☒other historic maps ☒LIDAR
☒Florida Photo Archives (Gray Building) ☐library-special collection ☐newspaper files ☒soils maps or data ☐other remote sensing
☒Site File property search ☒Public Lands Survey (maps at DEP) ☒literature search ☒windshield survey
☒Site File survey search ☐local informant(s) ☐Sanborn Insurance maps ☒aerial photography

☐other (describe): _____

Archaeological Methods (select as many as apply to the project as a whole)

☐Check here if **NO** archaeological methods were used.

☐surface collection, controlled ☐shovel test-other screen size ☐block excavation (at least 2x2 m) ☐metal detector
☐surface collection, uncontrolled ☐water screen ☐soil resistivity ☐other remote sensing
☒shovel test-1/4"screen ☐posthole tests ☐magnetometer ☒pedestrian survey
☐shovel test-1/8" screen ☐auger tests ☐side scan sonar ☐unknown
☐shovel test 1/16"screen ☐coring ☐ground penetrating radar (GPR)
☐shovel test-unscreened ☐test excavation (at least 1x2 m) ☒LIDAR

☐other (describe): _____

Historical/Architectural Methods (select as many as apply to the project as a whole)

☐Check here if **NO** historical/architectural methods were used.

☐building permits ☐demolition permits ☐neighbor interview ☐subdivision maps
☐commercial permits ☒windshield survey ☐occupant interview ☒tax records
☐interior documentation ☒local property records ☐occupation permits ☐unknown

☐other (describe): _____

Survey Results

Resource Significance Evaluated? ☒Yes ☐No Clear Check Boxes

Count of Previously Recorded Resources 0 **Count of Newly Recorded Resources** 1

List Previously Recorded Site ID#s with Site File Forms Completed (attach additional pages if necessary)

List Newly Recorded Site ID#s (attach additional pages if necessary)

8AL7459

Site Forms Used: ☐Site File Paper Forms ☒Site File PDF Forms

REQUIRED: Attach Map of Survey or Project Area Boundary

SHPO USE ONLY **SHPO USE ONLY** **SHPO USE ONLY**

Origin of Report: ☐872 ☐Public Lands ☐UW ☐1A32 # _____ ☐Academic ☐Contract ☐Avocational
☐Grant Project # _____ ☐Compliance Review: CRAT # _____

Type of Document: ☐Archaeological Survey ☐Historical/Architectural Survey ☐Marine Survey ☐Cell Tower CRAS ☐Monitoring Report
☐Overview ☐Excavation Report ☐Multi-Site Excavation Report ☐Structure Detailed Report ☐Library, Hist. or Archival Doc
☐Desktop Analysis ☐MPS ☐MRA ☐TG ☐Other: _____

Document Destination: Plottable Projects **Plotability:** _____

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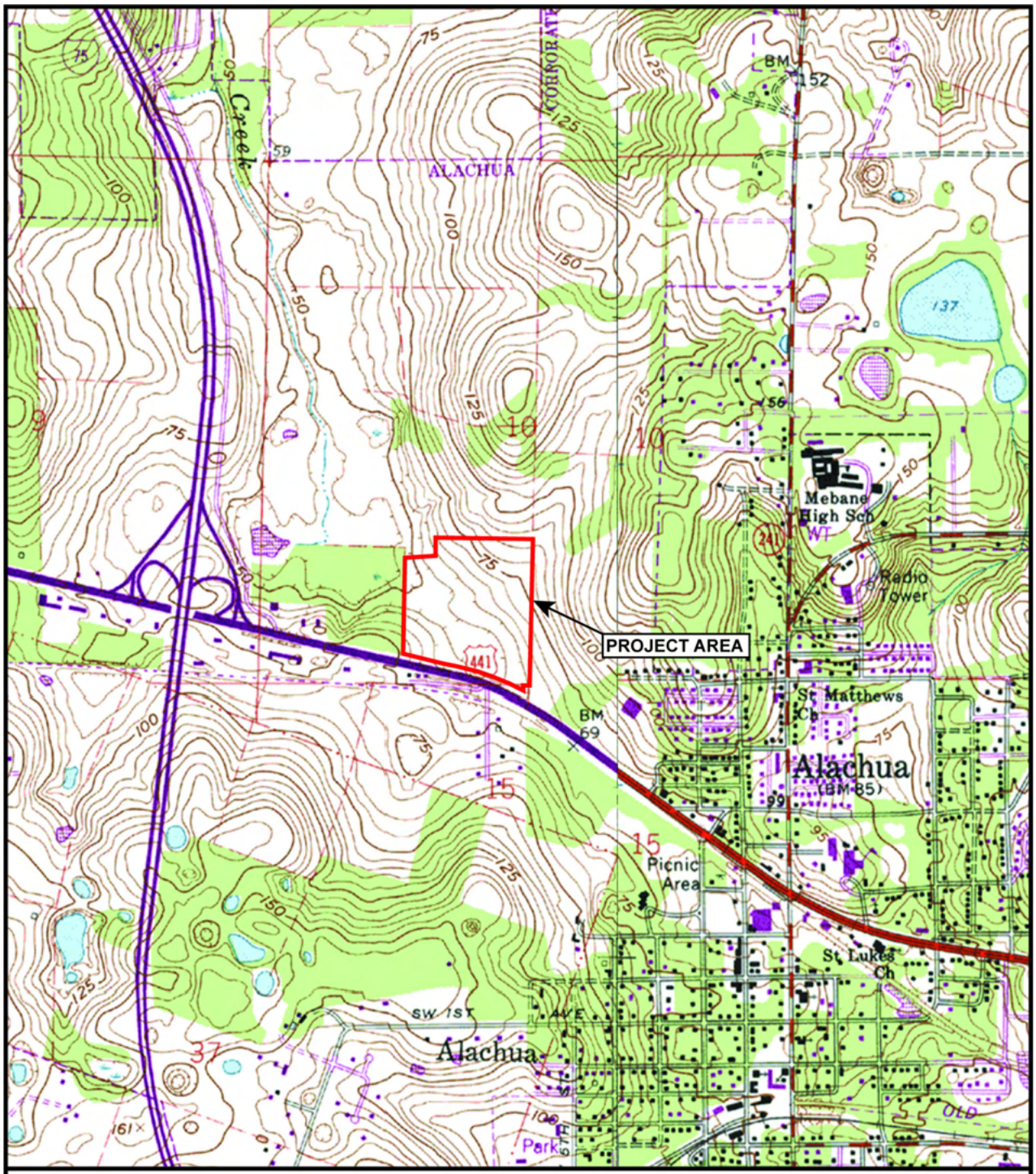

USGS map of the Tara Phoenicia project area.

Base map source: USGS High Springs, 1993
Project location: Township 8 South, Range 18 East, Section 10

Clear Form Values

Page 1

☒ Original
☐ Update

ARCHAEOLOGICAL SITE FORM
FLORIDA MASTER SITE FILE
Version 5.0 3/19

Consult *Guide to Archaeological Site Form* for detailed instructions

Site #8 AL07459
Field Date 4-30-2022
Form Date 5-31-2022
Recorder # _____

Site Name(s) Tara Phoenicia
Multiple Listing (DHR only) _____
Project Name Tara Phoenicia Phase 1 CRAS
Survey # (DHR only) _____
Ownership: ☒ private-profit ☐ private-nonprofit ☐ private-individual ☐ private-nonspecific ☐ city ☐ county ☐ state ☐ federal ☐ Native American ☐ foreign ☐ unknown

LOCATION & MAPPING

Clear Location Values

USGS 7.5 Map Name HIGH SPRINGS USGS Date 1993 Plat or Other Map _____
City/Town (within 3 miles) Alachua In City Limits? ☒ yes ☐ no ☐ unknown County Alachua
Township 8S Range 18E Section 10 ¼ section: ☐ NW ☒ SW ☐ SE ☒ NE Irregular-name: _____
Township _____ Range _____ Section _____ ¼ section: ☐ NW ☐ SW ☐ SE ☐ NE
Landgrant _____ Tax Parcel # _____
UTM Coordinates: Zone ☐ 16 ☐ 17 Easting ☐☐☐☐☐☐ Northing ☐☐☐☐☐☐☐
Other Coordinates: X: _____ Y: _____ Coordinate System & Datum _____
Address / Vicinity / Route to:

Name of Public Tract (e.g., park) _____

TYPE OF SITE (select all that apply)

SETTING

- ☒ Land (*terrestrial*)
- ☐ Lake/Pond (*lacustrine*)
- ☐ River/Stream/Creek (*riverine*)
- ☐ Tidal (*estuarine*)
- ☐ Saltwater (*marine*)
- ☐ Wetland (*palustrine*)
  - ☐ usually flooded
  - ☐ usually dry
- ☐ Cave/Sink (*subterranean*)
  - ☐ terrestrial
  - ☐ aquatic

STRUCTURES OR FEATURES

- ☐ log boat
- ☐ agric/farm building
- ☐ burial mound
- ☐ building remains
- ☐ cemetery/grave
- ☐ dump/refuse
- ☐ earthworks (historic)
- ☐ fort
- ☐ midden
- ☐ mill
- ☐ mission
- ☐ mound, nonspecific
- ☐ plantation
- ☐ platform mound
- ☐ road segment
- ☐ shell midden
- ☐ shell mound
- ☐ shipwreck
- ☐ subsurface features
- ☐ surface scatter
- ☐ well

FUNCTION

- ☒ campsite
- ☒ extractive site
- ☒ habitation (prehistoric)
- ☐ homestead (historic)
- ☐ farmstead
- ☐ village (prehistoric)
- ☐ town (historic)
- ☐ quarry (prehistoric)

Other Features or Functions (Choose from the list or type a response.)
1. Lithic Scatter/quarry 2. _____

CULTURE PERIODS (select all that apply)

ABORIGINAL

- ☐ Alachua
- ☐ Archaic (nonspecific)
- ☐ Archaic, Early
- ☒ Archaic, Middle
- ☒ Archaic, Late
- ☐ Belle Glade
- ☐ Cades Pond
- ☐ Caloosahatchee
- ☐ Deptford
- ☐ Englewood
- ☐ Fort Walton
- ☐ Glades (nonspecific)
- ☐ Glades I
- ☐ Glades II
- ☐ Glades III
- ☐ Hickory Pond
- ☐ Leon-Jefferson
- ☐ Malabar I
- ☐ Malabar II
- ☐ Manasota
- ☐ Mississippian
- ☐ Mount Taylor
- ☐ Norwood
- ☐ Orange
- ☐ Paleoindian
- ☐ Pensacola
- ☐ Perico Island
- ☐ Safety Harbor
- ☐ St. Augustine
- ☐ St. Johns (nonspecific)
- ☐ St. Johns I
- ☐ St. Johns II
- ☐ Santa Rosa
- ☐ Santa Rosa-Swift Creek
- ☐ Seminole (nonspecific)
- ☐ Seminole: Colonization
- ☐ Seminole: 1st War To 2nd
- ☐ Seminole: 2nd War To 3rd
- ☐ Seminole: 3rd War & After
- ☐ Swift Creek (nonspecific)
- ☐ Swift Creek, Early
- ☐ Swift Creek, Late
- ☐ Transitional
- ☐ Weeden Island (nonspecific)
- ☐ Weeden Island I
- ☐ Weeden Island II
- ☐ Prehistoric (nonspecific)
- ☐ Prehistoric non-ceramic
- ☐ Prehistoric ceramic

NON-ABORIGINAL

- ☐ First Spanish 1513-99
- ☐ First Spanish 1600-99
- ☐ First Spanish 1700-1763
- ☐ First Spanish (nonspecific)
- ☐ British 1763-1783
- ☐ Second Spanish 1783-1821
- ☐ American Territorial 1821-45
- ☐ American Civil War 1861-65
- ☐ American 19th Century
- ☐ American 20th Century
- ☐ American (nonspecific)
- ☐ African-American

Other Cultures (Choose from the list or type a response. For historic sites, give specific dates.)
1. _____ 3. _____
2. _____ 4. _____

OPINION OF RESOURCE SIGNIFICANCE

Clear Significance Values

Potentially eligible individually for National Register of Historic Places? ☐ yes ☐ no ☒ insufficient information
Potentially eligible as contributor to a National Register district? ☐ yes ☐ no ☒ insufficient information
Explanation of Evaluation (required if evaluated; use separate sheet if needed)

This site consists of sparse to dense prehistoric chert and ceramic artifact deposits that likely represent a lithic reduction and tool manufacturing encampment and scatter. There is insufficient data at this time to determine the NRHP eligibility.

Recommendations for Owner or SHPO Action

Preservation or additional archaeological investigations if preservation is not feasible. Boundaries extend beyond project area - further studies advised.

DHR USE ONLY	OFFICIAL EVALUATION	DHR USE ONLY
NR List Date _____ ☐ Owner Objection	SHPO – Appears to meet criteria for NR listing: ☐ yes ☐ no ☐ insufficient info Date _____ Init._____ KEEPER – Determined eligible: ☐ yes ☐ no Clear Check Boxes Date _____ NR Criteria for Evaluation: ☐ a ☐ b ☐ c ☐ d (see *National Register Bulletin 15*, p. 2)	

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ARCHAEOLOGICAL SITE FORM

Site #8 AL07459

FIELD METHODS (select all that apply)

SITE DETECTION

- ☐ no field check
- ☐ literature search
- ☐ informant report
- ☐ remote sensing
- ☐ exposed ground
- ☐ posthole tests
- ☐ auger tests
- ☐ unscreened shovel
- ☐ screened shovel
- ☒ screened shovel-1/4"
- ☐ screened shovel-1/8"
- ☐ screened shovel-1/16"

SITE BOUNDARY

- ☐ bounds unknown
- ☐ none by recorder
- ☐ literature search
- ☐ informant report
- ☐ remote sensing
- ☐ exposed ground
- ☐ posthole tests
- ☐ auger tests
- ☐ unscreened shovel
- ☒ screened shovel
- ☐ block excavations
- ☐ estimate or guess

Other methods; number, size, depth, pattern of units; screen size (attach site plan)

SITE DESCRIPTION

Clear Description Values

Extent/Size (m^2) 34,375 Depth/stratigraphy of cultural deposit (describe below)

Disturbed dark grayish brown sand at a depth of 0-20 cm, and intact pale brown sand at a depth of 20-130 cm; however, deposit extends beyond 130 cm to an unknown depth.

Temporal Interpretation - Components (check one): ☐ single component ☒ multiple component ☐ uncertain

Describe each occupation in plan (refer to attached large scale map) and stratigraphically. Discuss temporal and functional interpretations:

Likely Middle Archaic Period occupation overlaid by Late Archaic occupation.

Integrity - Overall disturbance: ☐ none seen ☐ minor ☒ substantial ☐ major ☐ redeposited ☐ destroyed-**document!** ☐ unknown

Disturbances / threats / protective measures

Future development. Upper levels of site have been disturbed by farming activities; however, the lower horizons are intact.

Surface collection: area collected _____ m^2 # collection units_____ | Excavation: # noncontiguous blocks _____

ARTIFACTS

Clear Artifact Values

Total Artifacts #_____ ○ count ○ estimate | Surface #_____ | Subsurface #_____

COLLECTION SELECTIVITY

- ☐ unknown
- ☒ unselective (all artifacts)
- ☐ selective (some artifacts)
- ☐ mixed selectivity

SPATIAL CONTROL

- ☐ uncollected
- ☐ unknown
- ☐ general (not by subarea)
- ☒ controlled (by subarea)
- ☐ variable spatial control
- ☐ other (describe in comments below)

ARTIFACT CATEGORIES and DISPOSITIONS

A	Lithics
A	Stone artifacts
A	Aboriginal ceramics
A	Bone-animal or unidentif
S	Charcoal

select a disposition from the list below for each artifact category selected at left

- A - category always collected
- S - some items in category collected
- O - observed first hand, but not collected
- R - collected and subsequently left at site
- I - informant reported category present
- U - unknown

Artifact Comments

DIAGNOSTICS (type or mode, and frequency: e.g., *Suwanee ppk, heat-treated chert, Deptford Check-stamped, ironstone/whiteware*)

1. Middle Archaic type chert point	N= 2	4. Semi-fiber tempered ceramics	N=_____	7._____	N=_____
2. Chert flakes	N=_____	5. Sand Tempered Plain ceramics	N=_____	8._____	N=_____
3. Chert shatter	N=_____	6. Red ochre	N=_____	9._____	N=_____

ENVIRONMENT

Clear Environment Values

Nearest fresh water: Type Sink Name Unnamed Distance from site (m) _____

Natural community UPLAND MIXED FOREST Topography Hill Elevation: Min _____m Max _____m

Local vegetation Live oak, Hackberry, pines

Present land use Cropland

SCS soil series _____ Soil association _____

DOCUMENTATION

Clear Documentation Values

Accessible Documentation Not Filed with the Site File - including field notes, analysis notes, photos, plans and other important documents

1) Document type All materials at one location Maintaining organization Advanced Archaeology, Inc
Document description Notes, maps, photographs File or accession #'s _____

2) Document type _____ Maintaining organization _____
Document description _____ File or accession #'s _____

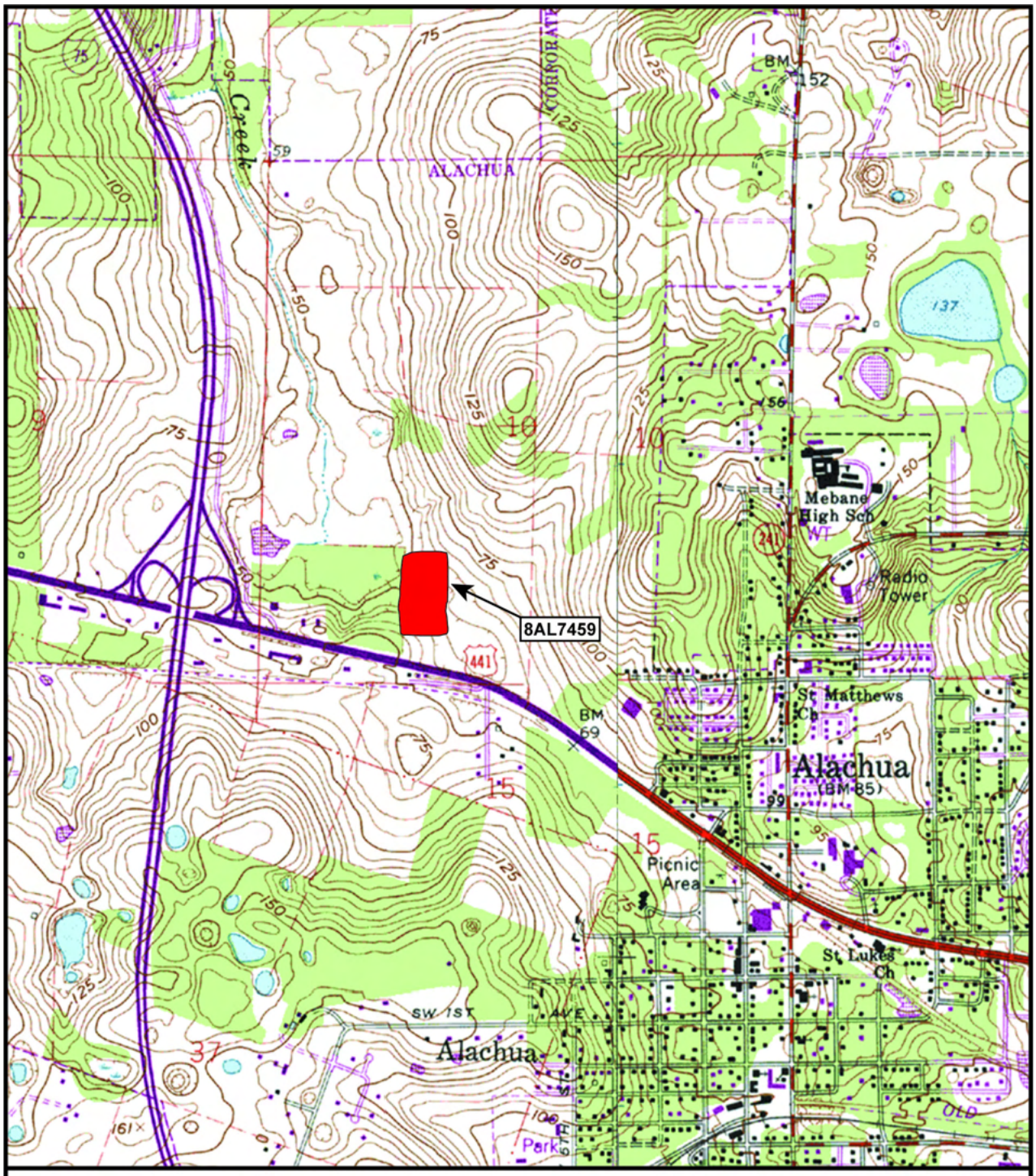
RECORDER & INFORMANT INFORMATION

Informant Information: Name _____
Address / Phone / E-mail _____

Recorder Information: Name Joseph F. Mankowski Affiliation Advanced Archaeology, Inc
Address / Phone / E-mail 1126 S. Federal Hwy# 263 Ft. Lauderdale, FL 33316 contact@advancedarchaeology.com

Required Attachments

❶ **PHOTOCOPY OF 7.5' USGS QUAD MAP WITH SITE BOUNDARIES MARKED *and* SITE PLAN**
Plan at 1:3,600 or larger. Show boundaries, scale, north arrow, test/collection units, landmarks and date.



USGS map of 8AL7459 (Tara Phoenicia)

N

Base map source: USGS High Springs, 1993
Site location: Township 8 South, Range 18 East, Section 10

0 400 800 Meters

TRAFFIC IMPACT STUDY UPDATE

Tara Forest West &Tara Phoenicia

Stage 1 Development
Alachua, Florida

May 29, 2024

prepared for:

City of Alachua
Florida DOT – District 2

submitted on behalf of:

Sayed Moukhtara
Tara Forest, LLC

prepared by:

HAGEN CONSULTING SERVICES, LLC

HAGEN CONSULTING SERVICES, LLC

PROFESSIONAL ENGINEER ENDORSEMENT

I hereby certify that I am a Registered Professional Engineer in the State of Florida and currently practicing as the principal of Hagen Consulting Services, LLC.

Hagen Consulting Services, LLC is authorized via Registry No: 27955 to operate as an Engineering Business by the Florida Board of Professional Engineers, State of Florida, Department of Professional Regulation.

I have prepared or supervised the preparation of the evaluation, findings, conclusions, recommendations, and professional opinions/advice contained in this document. My endorsement constitutes my approval of these items.

PROJECT: Tara Forest West / Tara Phoenicia
LOCATION: Alachua, Florida
CLIENT: Tara Forest, LLC

The results contained in this report were developed using procedures and references standard to the transportation engineering practice. These references and procedures were applied using professional judgment and experience.

Name: Lawrence T. Hagen, P.E., PTOE, RSP
Florida P.E. No.: 43968



This item has been digitally signed and sealed by Lawrence T. Hagen on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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APPENDIX B: Buckholz Traffic 2021 Traffic Study
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APPENDIX D: Access Management

INTRODUCTION

Hagen Consulting Services, LLC is assisting Tara Forest, LLC with an update to the transportation impacts for the proposed new Tara Forest West residential development. The proposed Tara Forest West residential development will ultimately contain 538 single family homes and will be located north of US Highway 441, east of I-75 in Alachua County, Florida. Access to the development will be provided to US 441 via two direct connections through the Tara Phoenicia commercial development. Additional internal connections are also provided through Tara Baywood and Tara Forest East. US 441 in the vicinity of the site is a four-lane divided roadway with a functional classification of "rural principal arterial other" with a posted speed limit of 45 mph. The site is currently vacant and mostly cleared. The project location is shown in **Figure 1** below.



Figure 1 - Project Location Map

The "Stage 1 Master Phasing Plan" for Tara Forest West is included as **Appendix A** to this report.

The purpose of this update to the traffic impact study for Tara Forest West is threefold:

- To update the trip generation estimates from the previous study from the 10th Edition of the Institute of Transportation Engineers (ITE) *Trip Generation* to the 11th Edition of ITE *Trip Generation*
- To address changes in the access connections for the development
- To present a plan for the development of the project.

ITE's *Trip Generation* is the recognized authoritative source for estimating the trips generated by developments such as the proposed Tara Forest West residential and Tara Phoenicia commercial developments. Since the previously approved version of the study for the project prepared by Buckholz Traffic and dated 12-28-2021 (Buckholz 2021 – attached as **Appendix B**), *Trip Generation* has been updated to the 11th Edition. According to *Trip Generation*, a residential development such as proposed with Tara Forest West falls under ITE Land Use Code 210 – Single-Family Detached Housing. In Buckholz 2021, Tara Phoenicia was modeled to include 30,000 square feet of shopping center (ITE Land Use Code 820) and 100,000 square feet of mini-warehouse space (ITE Land Use Code 151).

BACKGROUND OF THIS REPORT

An updated report reflecting the changes identified above was submitted to the City of Alachua to review in December of 2023. The City has responded indicating that they desire to see a higher level of commercial development for Tara Phoenicia and also have the proposed future signalized connection to US 441 located in conjunction with the proposed future Peggy Road connection that the City and FDOT have reviewed and are pursuing. In an April 18, 2024 Zoom meeting it was agreed to separate this into two studies: one for the first three phases of Tara Forest West, one for the remaining three phases of Tara Forest West plus the development of Tara Phoenicia, in order to allow the initial construction of Tara Forest West to proceed while the details of the future signalized connection to Peggy Road and Tara Phoenicia are finalized in the subsequent study. This report will just cover Stage 1, the first three phases of Tara Forest West. Stage 2 of the development will require a separate traffic impact study that will be submitted at a future date.

EXISTING CONDITIONS

US 441 is a four-lane divided roadway with a posted speed limit of 45 mph in the vicinity of the proposed Tara Forest West development. The typical cross-section is a four-lane rural section with flush grass medians, flush grass shoulders, and open drainage. There are existing sidewalks on both sides of the roadway. The 2023 AADT on US 441 is 26,000 vehicles per day, per FDOT's Florida Traffic Online website.

TRIP GENERATION

The Institute of Transportation Engineers (ITE) *Trip Generation* 11th Edition was used to calculate the project trip estimates for the new land uses at the project site. Trip generation estimates are shown in terms of daily traffic, as well as the AM and PM peak hours. The proposed Tara Forest West development falls under ITE Land Use Code 210 – Single-Family Detached Housing. The trip generation information for the complete build-out of the proposed Tara Forest West residential development is shown in **Table 1** below:

TABLE 1: Trip Generation
Single-Family Detached Housing – ITE Land Use 210 – 538 Units

	Equation	Units	Trips	Enter	Exit	In	Out
Weekday	Ln(T) = 0.92 Ln(X) + 2.68	538	4745	50%	50%	2372	2372
AM Peak	Ln(T) = 0.91 Ln(X) + 0.12	538	344	25%	75%	86	258
PM Peak	Ln(T) = 0.94 Ln(X) + 0.27	538	483	63%	37%	304	179

ACCESS CHANGES

The previously submitted traffic study by Buckholz Traffic for Tara Forest West and Tara Phoenicia featured two direct connections onto US 441 and a shared connection through the adjoining Baywood Center property to the east via NW 157th Lane to the existing traffic signal at US 441 and NW 147th Drive. However, the ownership of that property has changed from one single owner to multiple owners with different and varied interests related to that private street. Furthermore, the demands requested originally by the previous owner changed to more onerous and involved conditions that would result in delays to the development of both Tara Forest West and Tara Phoenicia. Therefore, the planned development of the properties will utilize the two direct connections onto US 441 at the southern limits of the Tara Phoenicia property without the previously planned connection to NW 157th Lane and NW 147th Drive. In addition to these direct connections, additional indirect minor connections to the roadway network will be available through the approved Tara Forest East and Tara Baywood developments.

INTERSECTION CONFIGURATION

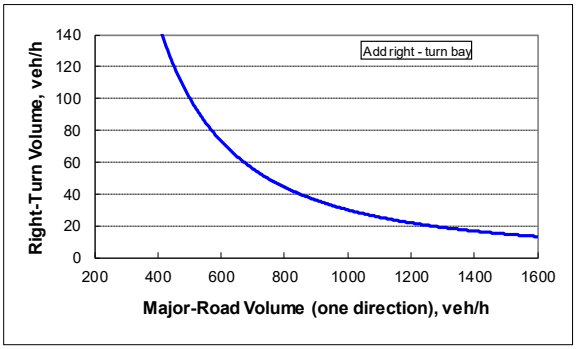
The proposed connection to US 441 for Tara Forest West Stage 1 will be located opposite the existing median opening at NW 149th Terrace/NW 158th Lane. It is intended to be converted to a bi-directional channelized median opening allowing left turns into the side streets but prohibiting left turns or through movements out. NCHRP Report 457 – *Evaluating Intersection Improvements: An Engineering Study Guide* was used to determine if a WB right turn would be needed at the intersection. Based on the existing speed and the PM Peak Hour opening day traffic volumes, a right turn lane into Tara Forest West is justified. The analysis from the NCHRP Report 457 spreadsheet is shown below.

INPUT

Roadway geometry:	4-lane roadway
Variable	Value
Major-road speed, mph:	45
Major-road volume (one direction), veh/h:	1799
Right-turn volume, veh/h:	33

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	11
Guidance for determining the need for a major-road right-turn bay for a 4-lane roadway:	
Add right-turn bay.	



PHASING OF DEVELOPMENT

Stage 1 of the Tara Forest West residential development is being planned to be developed in three phases. The first phase consists of the construction of the first 82 residential units. The second phase consists of the next 87 units. Phase three consists of 100 units. The Trip Generation for each phase of Stage 1 of Tara Forest West is shown in **Table 2**, **Table 3**, and **Table 4** below:

TABLE 2: Trip Generation by Phase – Daily Trips

Phase	Lots	Total	Daily Trips	% In	% Out	# In	# Out
TFW-1	82	82	841	50%	50%	420	420
TFW-2	87	169	1635	50%	50%	818	818
TFW-3	100	269	2508	50%	50%	1254	1254

TABLE 3: Trip Generation by Phase – AM Peak Trips

Phase	Lots	Total	AM Trips	% In	% Out	# In	# Out
TFW-1	82	82	62	25%	75%	16	47
TFW-2	87	169	120	25%	75%	30	90
TFW-3	100	269	183	25%	75%	46	137

TABLE 4: Trip Generation by Phase – PM Peak Trips

Phase	Lots	Total	PM Trips	% In	% Out	# In	# Out
TFW-1	82	82	82	63%	37%	52	31
TFW-2	87	169	163	63%	37%	103	60
TFW-3	100	269	252	63%	37%	159	93

It is anticipated that phase 1 of Tara Forest West would be constructed by 2025, with subsequent phases completed every two years. In the initial phases of construction, just the eastern direct connection to US 441 (east driveway) would be constructed. The east driveway connection to US 441 is presumed to be a directional median opening, allowing eastbound left turns into Tara Forest West and only right turns out of Tara Forest West. When the development traffic approaches a level where it is more than this one connection can handle, the western connection onto US 441 (west driveway) would be constructed.

INTERSECTION LEVEL OF SERVICE (LOS) ANALYSIS

The roadway Level Of Service (LOS) analysis is conducted using the procedures outlined in the Transportation Research Board's *Highway Capacity Manual* (HCM). The HCM procedures represent the state-of-the-practice for the analysis of transportation facilities.

To examine the expected operations of the proposed connection in the AM and PM Peak Hours, the 2025 traffic from the previously approved Buckholz 2021 traffic study was used along with the generated trips from Tara Forest West. A two percent annual background traffic growth rate is used to develop the background traffic for subsequent phases of development. The sum of the background traffic and the generated residential traffic for Tara Forest West result in the Traffic Volumes for Analysis shown for the AM and PM Peak Hours in **Table 5** and **Table 6** below:

TABLE 5: AM Peak Hour Traffic Volumes for Analysis

Phase	Year	EB L	EB T	WB T	WB R	SB R
TFW-1	2025	9	1336	937	6	47
TFW-2	2027	18	1390	975	12	90
TFW-3	2029	27	1446	1015	19	137

TABLE 6: PM Peak Hour Traffic Volumes for Analysis

Phase	Year	EB L	EB T	WB T	WB R	SB R
TFW-1	2025	19	1052	1799	33	31
TFW-2	2027	38	1095	1872	65	60
TFW-3	2029	59	1139	1947	100	93

To be conservative in the initial analyses, all of the Tara Forest West traffic is presumed to use the one connection onto US 441. The project trip distribution was determined based on splitting the traffic in and out of the development in proportion to the background traffic on US 441. The Two-Way STOP-Controlled module of the Highway Capacity Software is utilized to perform the Level of Service analysis of the connection. The results are summarized in **Table 7** and **Table 8** below. The Highway Capacity Software reports are attached as **Appendix C**.

TABLE 7: AM Peak Highway Capacity Analyses

	Eastbound Left		Southbound Right	
Year	Delay	LOS	Delay	LOS
2025	10.4	B	12.7	B
2027	10.7	B	13.9	B
2029	11.0	B	15.6	C

TABLE 8: PM Peak Highway Capacity Analyses

	Eastbound Left		Southbound Right	
Year	Delay	LOS	Delay	LOS
2025	18.8	C	21.8	C
2027	21.9	C	26.3	D
2029	26.9	D	34.8	D

For the unsignalized intersection analysis, the major street through movements (US 441 through traffic) experiences no delay and therefore no reported Level of Service. The only movements that would experience delay at this directional intersection would be the EB left turn into the site and the SB right turn out of the site. What the analyses show is that the one connection can handle up through the third phase of the Tara Forest West development (Stage 1). However, it would start to break down when we add the traffic of Phase 4 of the development. This would also be when the commercial traffic from Tara Phoenicia would start to be added, so the second connection would need to be built concurrent with the development of the fourth phase of Tara Forest West and with the development of Tara Phoenicia. FDOT has indicated that the future connection to be analyzed in the future traffic study for Stage 2 may be an innovative intersection concept and will require an Intersection Control Evaluation (ICE) to be performed.

DOWNSTREAM U-TURN LEVEL OF SERVICE (LOS) ANALYSIS

All of the traffic exiting Tara Forest West via the Stage 1 connection to US 441 will be forced to turn right onto US 441 to head to the west. However, some residents will certainly have destinations to the east. They will be forced to travel to the existing median opening at the proposed Peggy Road connection site and make a U-turn. There is another existing full median opening that is approximately 480' to the east of the proposed Peggy Road connection that should be closed concurrent with the construction of the Stage 1 connection. For this analysis, it is presumed that the U-turning proportion of the exiting traffic would be proportional to the directional volumes on US 441. This results in a presumed 58.8 percent U-turning traffic volume in the AM Peak Hour, and a 36.9 percent U-turning traffic volume in the PM Peak Hour. This means that of the SB right turning traffic at the Stage 1 connection, 58.8 percent will make a downstream U-turn in the AM Peak Hour, and 36.9 percent will make a downstream U-turn in the PM Peak Hour. The resulting turning movement volumes at the location of the downstream U-turn are shown in **Table 9** and **Table 10** below.

TABLE 9: AM Peak Hour Downstream Traffic Volumes

Phase	Year	EB T	WB U	WB T
TFW-1	2025	1345	27	957
TFW-2	2027	1408	53	1012
TFW-3	2029	1473	81	1071

TABLE 10: PM Peak Hour Downstream Traffic Volumes

Phase	Year	EB T	WB U	WB T
TFW-1	2025	1071	11	1818
TFW-2	2027	1133	22	1910
TFW-3	2029	1197	34	2006

The Highway Capacity Software two-way STOP-controlled methodology was used to analyze the anticipated operation of the downstream U-turning movement. The results are shown in **Table 11** and **Table 12** below.

TABLE 11: AM Peak Hour U-turn LOS

		Westbound U-turn			
Phase	Year	Delay	LOS	v/c	Queue
TFW-1	2025	29.9	D	0.17	0.6
TFW-2	2027	40.4	E	0.36	1.5
TFW-3	2029	64.1	F	0.61	3.2

TABLE 12: PM Peak Hour U-turn LOS

		Westbound U-turn			
Phase	Year	Delay	LOS	v/c	Queue
TFW-1	2025	19.1	C	0.04	0.1
TFW-2	2027	21.4	C	0.10	0.3
TFW-3	2029	24.6	C	0.17	0.6

Although Table 11 shows LOS E in 2027 and LOS F in 2029, these values are misleading. The HCS methodology is widely known to be overly pessimistic in its delay estimates, and thus its LOS determination. Also, it does not take into account the effect of the downstream traffic signal at I-75 that will create additional gaps for these U-turns at this location. In all cases the v/c ratio is not critical and the 95th percentile queue length is less than 4 vehicles. Also, an average delay of just over one minute for an uncontrolled movement is not an unreasonable expected operation on this heavily-traveled corridor in the morning peak hour. This condition is expected to be completely mitigated when Phase 4 of Tara Forest West is constructed as the intersection where the U-turns are occurring is anticipated to be the location of a traffic signal that will be installed at that time.

ACCESS MANAGEMENT

According to FDOT's straight line diagram for US 441 (Roadway ID 26020000) the access classification for the roadway in the vicinity of the proposed connections serving Tara Forest West is Access Class 3 and the posted speed limit is 45 mph. This access class has median opening spacing standards of 1,320 feet for directional openings, and 2,640 feet for full openings.

The proposed Stage 1 connection to US 441 is located at the existing full median opening at NW 149th Terrace/NW 158th Lane which is at mile post 18.676. The existing signalized intersection at NW 147th Drive is located at mile post 18.481 which puts it 0.195 miles, or 1,030 feet away from this existing full median opening. Although this location is less than the 1,320 feet standard spacing for a directional median opening, discussions with the City of Alachua during the planning of Tara Forest West indicated that this location would be preferred for the proposed connection so that it would align with the existing roadways on the south side of US 441 and that they would continue to be served by this intersection. However, as a part of the construction of the Stage 1 connection, the existing full median opening would be converted to a directional median opening to allow left turns into properties to the north and south, but only right turns out. Additionally, the existing full median opening approximately 725 feet west of the proposed Stage 1 connection should be closed with the construction of the connection.

For the proposed Stage 1 connection to Tara Forest West the EB left turn lane has a 95th percentile queue length of 1.1 vehicles (28.2 feet) in the PM and 0.1 vehicles (2.6 feet) in the AM per the 2029 HCS analysis. A minimum of 50' of storage should be provided in addition to the total deceleration distance of 180' for 45 mph speed from FDOT Design Manual Exhibit 212-1. This results in a 230' left turn storage length for the EB left turn lane. The WB left turn lane should be a similar 230' in length. The WB right turn lane into Tara Forest West should similarly be constructed with a length of 230'. The existing left turn lane into the future Peggy Road location is 315' in length, which provides adequately for the 2029 anticipated 95th percentile U-turn queue with the required 180' deceleration distance. A drawing of the anticipated access management is attached as **Appendix D**.

CONCLUSIONS AND RECOMMENDATIONS

Based on the foregoing data and analyses provided, the following conclusions and recommendations are offered:

Conclusions:

- For Stage 1 of the development, the first three phases of the residential Tara Forest West will be constructed, with a total of 269 residential units. This results in 183 trips in the AM Peak Hour and 252 trips in the PM Peak Hour.
- One unsignalized directional connection to US 441 will be sufficient to accommodate up through Stage 1 – the first three phases (269 lots) of the Tara Forest West development. Although the HCS analysis shows the SB right turn to be operating at LOS D at the full development and build-out of Stage 1, the average delay per vehicle for that movement is just 34.8 seconds, and the movement operates at a v/c ratio of 0.46 and has a 95th percentile queue length of 2.2 vehicles. This is a very conservative analysis of the operation, presuming that all of the traffic from Tara Forest West uses this connection. Other minor connections through Tara Baywood and Tara Forest East will be available and are expected to reduce the traffic volumes at this intersection to be less than what is analyzed.
- The connection serving Tara Forest West will be a directional median opening with left turn lanes of 230' in both the EB and WB directions and a right turn lane of 230' in the WB direction.
- The existing left turn lane at the future Peggy Road connection location is of adequate length to accommodate the U-turning demand from Tara Forest West in the AM Peak Hour.
- The existing transportation network has the available capacity to accommodate the trips generated by Stage 1 of the Tara Forest West development.

Recommendation:

- Approve the construction of the first three phases of Tara Forest West with one unsignalized directional intersection connection onto US 441 at the proposed east driveway location which aligns with the existing median opening at NW 149th Terrace/NW 158th Lane.

APPENDIX A: Tara Forest West - Stage 1 Master Phasing Plan

GENERAL NOTES:

1. TRAFFIC CALMING DEVICES SHALL COMPLY WITH SECTION 7.2.5(C) AND 7.2.5(D)(2). LOCATIONS OF TRAFFIC CALMING DEVICES WILL BE DETERMINED DURING EACH CONSTRUCTION PLAN SUBMITTAL.
2. PARKING REQUIREMENT:

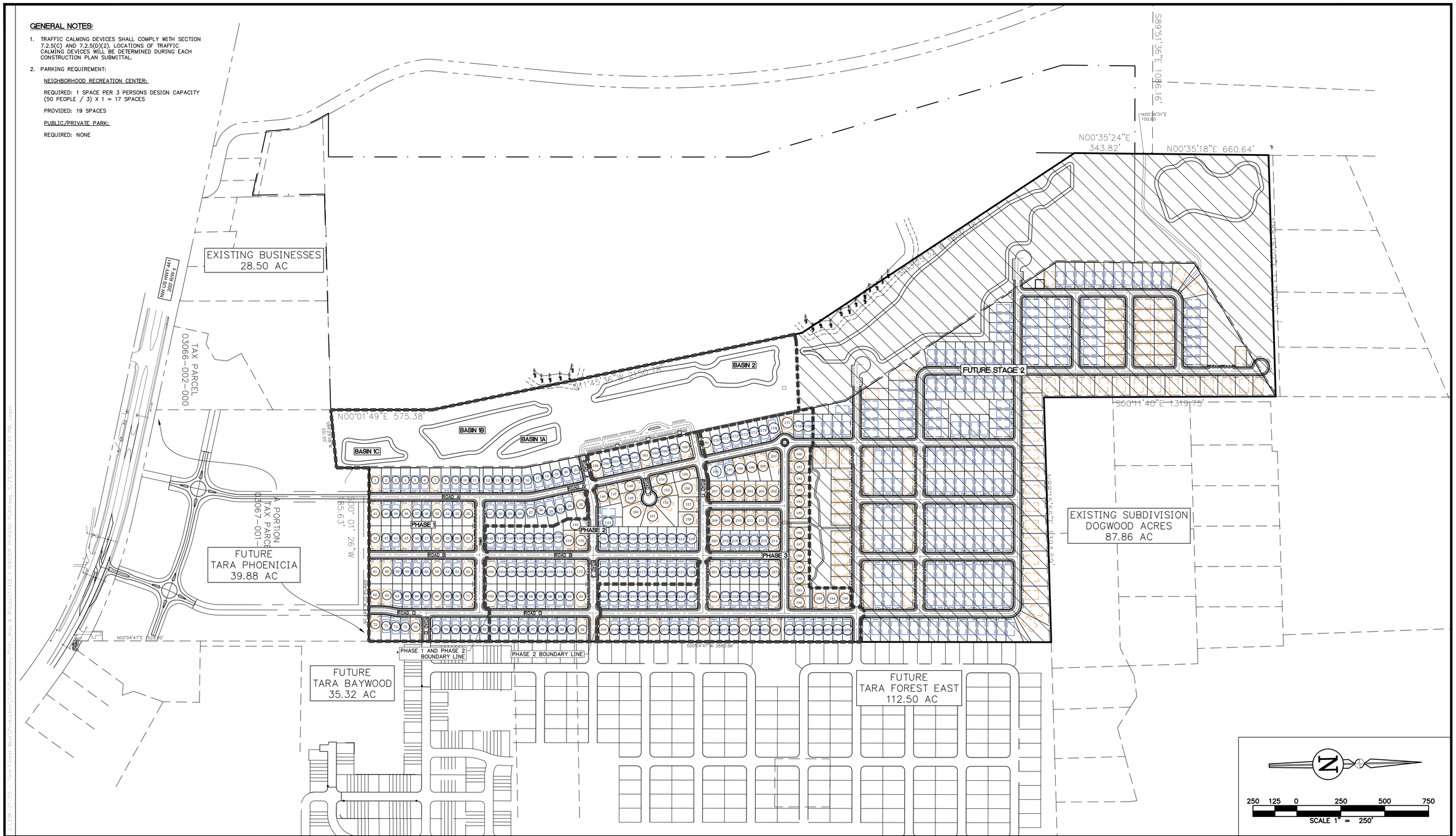
   NEIGHBORHOOD RECREATION CENTER:

   REQUIRED: 1 SPACE PER 3 PERSONS DESIGN CAPACITY (50 PEOPLE / 3) X 1 = 17 SPACES

   PROVIDED: 19 SPACES

   PUBLIC/PRIVATE PARK:

   REQUIRED: NONE



REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842

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SHEET TITLE: STAGE 1 MASTER PHASING PLAN

DATE: MAY 2024

PROJECT NO: 398-21-03

CLIENT: TARA FOREST
ALACHUA, FLORIDA

PROJECT: TARA FOREST
WEST

SHEET NO: EX.2.0

APPENDIX B: Buckholz Traffic

2021 Traffic Study

TARA PHOENICIA/TARA FOREST WEST
PHASE I TRAFFIC STUDY

ALACHUA COUNTY, FLORIDA

December 2021



BUCKHOLZ TRAFFIC



BUCKHOLZ TRAFFIC
3585 KORI ROAD
JACKSONVILLE, FLORIDA 32257
(904) 886-2171 jwbuckholz@aol.com

December 28, 2021

Tara Forest, LLC
c/o Mr. Sayed Moukhtara
7717 NW 20th Lane
Gainesville, Florida 32605

Re: **Tara Phoenicia/Tara Forest West Phase I Traffic Study**

Dear Mr. Moukhtara:

Attached is the new revised Phase I traffic study. If there are any questions or comments regarding this study, please contact me.

Sincerely,

Jeffrey W. Buckholz, P.E., PTOE
Principal

This item has been digitally signed and sealed by Jeffrey W. Buckholz, P.E. on 1/3/22. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

INTRODUCTION

Phase I of the proposed Tara Phoenicia mixed-use development and the adjacent Tara Forest West residential development will be constructed on the north side of US 441 approximately 1/2 mile east of I-75 in northern Alachua County, Florida. The development will have direct access to US 441 and NW 157th Lane and indirect access to both CR 241 and NW 147th Drive through the previously approved Tara Forest East and Tara Baywood residential developments. Current access plans call for three internal connections to Tara Forest East, one connection to the end of NW 157th Lane, and one unsignalized limited access point on US 441 (East Driveway).

US 441 is a four lane divided rural principal arterial with left turn lanes accommodated within a grass median. It has a posted speed limit of 45 mph in the vicinity of the site and an FDOT access management classification of 3. CR 241 in the vicinity of the site is a two-lane undivided rural major collector with a posted speed limit of 55 mph. NW 147th Drive and April Boulevard are both two-lane undivided local roads with NW 147th drive having a posted speed limit of 20 mph and April Boulevard having a 25 mph posted speed limit.

Phase I of the Tara Forest West development will contain 539 single family homes while Phase I of the Tara Phoenicia development will contain 30,000 sf of retail space and a 100,000 sf storage facility. Figure 1 shows the site location and surrounding road network while Figure 2 provides the intersection layout and control for various intersections of interest. Appendix A contains the proposed site plan. This Phase I development is expected to be complete by the end of 2025 therefore 2025 was chosen as the design year for this study. The lengthening of all 4 left turn lanes to 300 feet at the US 441/NW 140th Street intersection is assumed to be in place by the 2025 design year.

EXISTING TRAFFIC VOLUMES

Manual turning movement counts (see Appendix B) were conducted by Buckholz Traffic personnel at intersections of interest near the proposed development. The counts were conducted at 15-minute intervals during weekday AM and PM peak periods and include a separate tabulation for trucks. Figures 3 and 4 provide a visual summary of existing weekday peak hour traffic counts at the various intersections. Also shown in Figures 3 and 4 are directional percentages for interstate traffic as derived from these traffic counts. The percentages are a good indicator of the expected trip distribution for site traffic using I-75.

Appendix C provides daily traffic volumes from two nearby FDOT traffic counting stations on US 441 and for the FDOT counting station located on each of the five I-75 ramps. The current Average Daily Traffic (ADT) on the portion of US 441 in the vicinity of the site is estimated at about 27,000 vehicles per day. A linear regression analysis of recent daily traffic counts along US 441 and on the I-75 ramps is also provided in Appendix C. A review of Tables C-1 and C-2 reveal that recent traffic volumes along this stretch of US 441 have been growing at 4% per year.

TRIP GENERATION

Trip generation calculations were carried out using the 10th edition of ITE's Trip Generation Manual and referencing land use codes 210 (Single Family Housing), 820 (Shopping Center) and 151 (Mini-Warehouse). Tables 1 through 3 contain the daily, AM peak hour, and PM peak hour trip generation calculations for the development. Since this is a mixed-use development a certain level of internal trip-making can be expected. Tables 4 through 6 contain the internal trip capture calculations for the average weekday, the AM peak hour, and the PM peak hour. Tables 7 through 9 summarize the trip generation calculations. During an average weekday this Phase I development is expected to generate 6752 **external** trips (3376 entering and 3376 exiting) with 552 external trips (200 entering and 352 exiting) occurring during the AM peak hour and 664 external trips (390 entering and 274 exiting) occurring during the PM peak hour.

SITE TRIP DISTRIBUTION AND TRAFFIC ASSIGNMENT

Weekday AM and PM peak hour site trips were directionally distributed as documented in Appendix D. 30% of site traffic was assigned to Interstate 75 with the remaining 70% assigned to local roads. Interstate traffic was assigned to the ramps based on current ramp traffic volumes. The resulting weekday peak hour traffic assignments for the development are provided in Figures 5 and 6.

TRIP DISTRIBUTION AND TRAFFIC ASSIGNMENT FOR OTHER DEVELOPMENTS

The 551 unit Tara Forest East/Tara Baywood residential development is currently planned immediately to the east of our site. Using traffic data from the December 2019 Tara Forest East Subdivision Traffic Study completed by Buckholz Traffic, site traffic for this background development was assigned to CR 241, NW 147th Drive and US 441 as shown in Figure 7. Traffic oriented towards the west was further assigned to the interstate based on ramp traffic counts under the assumption that 50% is local and 50% uses the Interstate. The resulting weekday peak hour traffic assignments for Tara Forest East are provided in Figures 8 and 9.

2025 BUILD TRAFFIC VOLUMES

The expected weekday AM peak hour and PM peak hour background traffic volumes and Build traffic volumes at various intersections of interest near the site are graphically depicted in Figures 10 through 21. The 2025 background traffic volumes were obtained by multiplying the existing traffic volumes by the appropriate FDOT seasonal adjustment factor and then by a corresponding growth factor.

A 1.11 growth factor from 2020 to 2025 for US 441 intersections was determined by averaging the growth factors obtained from three sources: 1. The FDOT count station 4% annual growth rate (Growth Factor = 1.24), 2. Population projections for 2020 and 2030 obtained from the City of Alachua's 2036 Long Range Transportation Plan (Growth Factor = 1.08 for 2030 and 1.04 for 2025), and 3. US 441 Peak Hour Traffic Volumes for 2015 and 2036 obtained from Table 1 of the City of Alachua's 2036 Long Range Transportation Plan (Growth Factor = 1.13 for 2036 and 1.07 for 2025). The 2025 Build traffic volumes were then obtained by adding the traffic generated by Tara Forest East and the expected site traffic to the 2025 background traffic volumes.

UNSIGNALIZED INTERSECTION CAPACITY ANALYSIS

The unsignalized CR 241/Tara Forest East Driveway intersection and the future unsignalized US 441/East Driveway intersection were analyzed using the two-way stop control methodology contained in Chapter 19 of the Sixth Edition of the Highway Capacity Manual. Tables 10 and 11 contain the capacity analysis results with the supporting calculations provided in Appendix E.

Under 2025 Build conditions both minor movements at the US 441/East Site Driveway intersection are expected to operate at level of service D or better during the weekday AM peak hour with moderate queuing and a volume-to-capacity ratio of less than one. During the weekday PM peak hour, both minor movements are expected to operate at level of service E or better with moderate queuing and a volume-to-capacity ratio of less than one.

Under 2025 Build conditions all minor movements at the CR 241/Tara Forest East Driveway intersection are expected to operate at level of service B or better during both weekday peak hours with minimal queuing and a volume-to-capacity ratio of well less than one. The addition of both left and right auxiliary lanes on CR 241 were assumed for the analysis.

SIGNALIZED INTERSECTION CAPACITY ANALYSIS

The signalized US 441/West I-75 Ramps intersection, the signalized US 441/East I-75 Ramps intersection, the signalized US 441/NW 147th Drive intersection, and the signalized US 441/SR 235 intersection were analyzed using the operational methodology contained in Chapter 19 of the Sixth Edition of the Highway Capacity Manual. Recommended consultant timings were used for the analyses with the timings provided in Appendix E. Tables 12 through 15 contain the capacity analysis results with the supporting calculations provided in Appendix F.

Under 2025 No Build conditions with optimized splits and offsets, the US 441/I-75 West Ramps intersection is expected to operate at LOS B during the weekday AM peak hour and LOS E during the weekday PM peak hour (see Table 12). Under 2025 Build conditions with optimized splits and offsets, the US 441/I-75 West Ramps intersection is expected to continue to operate at LOS B during the weekday AM peak hour and LOS E during the weekday PM peak hour.

Under 2025 No Build conditions with optimized splits and offsets, the US 441/I-75 East Ramps intersection is expected to operate at LOS D during the weekday AM peak hour and LOS E during the weekday PM peak hour (see Table 13). Under 2025 Build conditions with optimized splits and offsets, the US 441/I-75 East Ramps intersection is expected to operate at LOS D during the weekday AM peak hour and LOS F during the weekday PM peak hour.

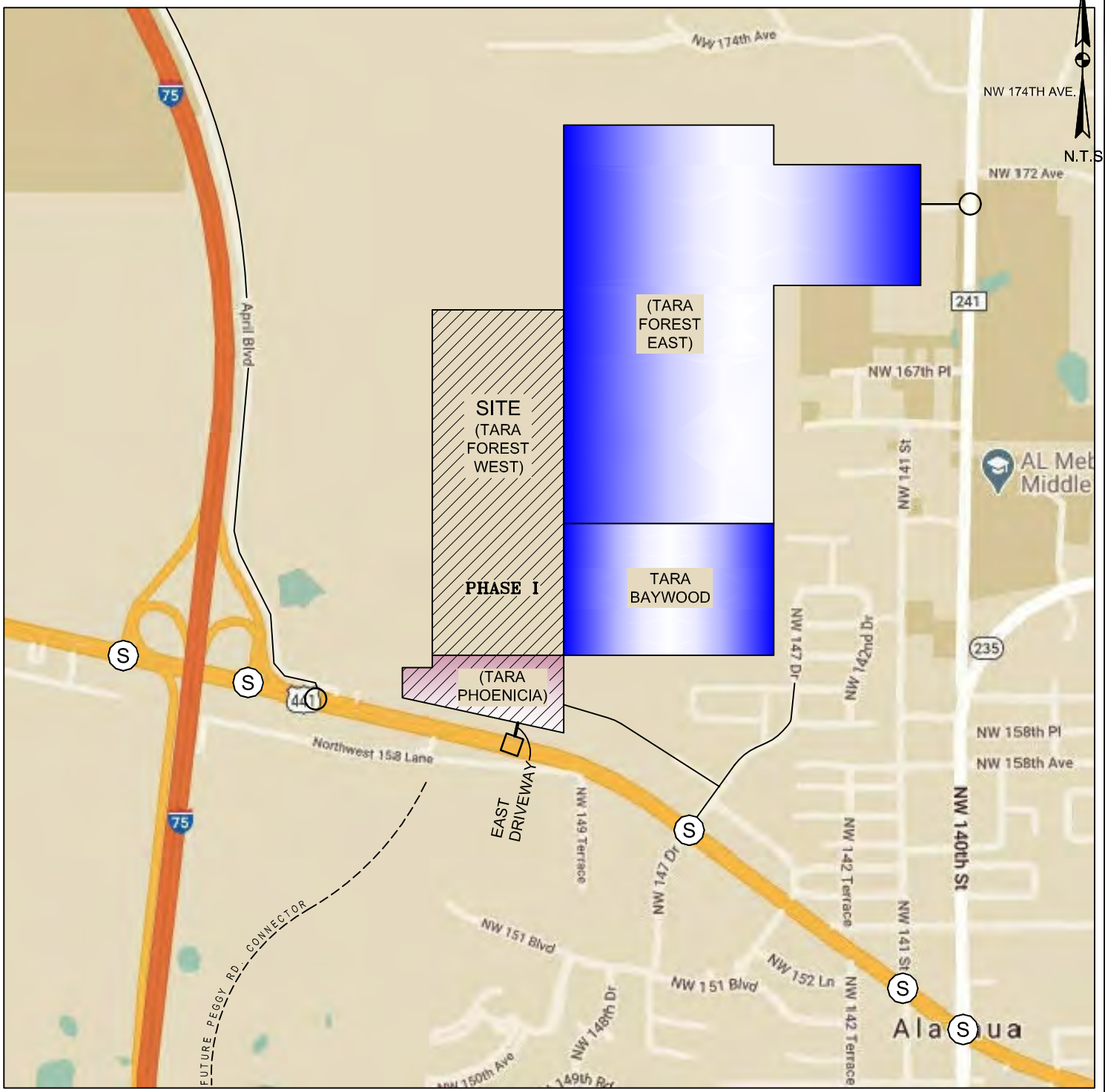
Under 2025 No Build conditions with optimized splits, the US 441/NW 147th Drive intersection is expected to operate at LOS B during the both weekday AM and PM peak hours (see Table 14). Under 2025 Build conditions with optimized splits, the US 441/NW 147th Drive intersection is expected to operate at LOS C during both weekday peak hours. Side street lane reconfiguration and side street split phasing, along with the installation of a right turn overlap phase for both the north approach and the south approach is assumed in this analysis.

Under 2025 No Build conditions with optimized splits, the US 441/NW 140th Street intersection is expected to operate at LOS D during the weekday AM peak hour and LOS E during the weekday PM peak with extensive queueing and substantial delay and with a high volume-to-capacity above one for the eastbound left turn movement (see Table 15). Under 2025 Build conditions with optimized splits, the US 441/NW 140th Street intersection is expected to operate at LOS E during the weekday AM peak hour and LOS F during the weekday PM peak hour with extensive queueing and substantial delay and with a high volume-to-capacity ratio of well above one for the eastbound left turn movement. The extension of all of the left turn lanes to 300 feet in length, as is currently programmed by others, is assumed in this analysis.

OPERATIONAL CONSIDERATIONS FOR PHASE I ACCESS

Connecting the Tara Phoenicia development to the NW 147th Drive via NW 157th Lane can be expected to have certain operational benefits. With this connection, occupants of both existing and planned residential developments located along NW 147th Drive will have direct access to commercial developments located north of US 441. This improved access should increase the attractiveness of both the residential units and the commercial developments while reducing traffic volumes along US 441. The capacity analysis of the signalized US 441/NW 147th Drive intersection contained in this report demonstrates that, by installing side street split phasing and adding side street right turn overlaps, this intersection should operate in an acceptable manner under 2025 Build conditions with the Phase I Tara Phoenicia/Tara Forest West development in place. Consideration should be given to closing the Advanced Auto Parts driveway that intersects the north approach of this intersection and replacing it with an internal driveway to the north that connects to the existing shopping center parking lot.

Since minimal traffic is expected to enter the Tara Phoenicia/Tara Forest West development using NW 157th Lane (the new East Driveway on US 441 is a more direct route for entering traffic) any negative effects at the unsignalized NW 147th Drive/NW 157th Lane intersection should be minimal - although the addition of a second approach lane on NW 157th Lane would be beneficial.



= SITE

= EXISTING TRAFFIC SIGNAL

= NEW TRAFFIC SIGNAL

= DIRECTIONAL MEDIAN OPENING

= FULL ACCESS

Buckholz Traffic

FIGURE 1

SITE LOCATION

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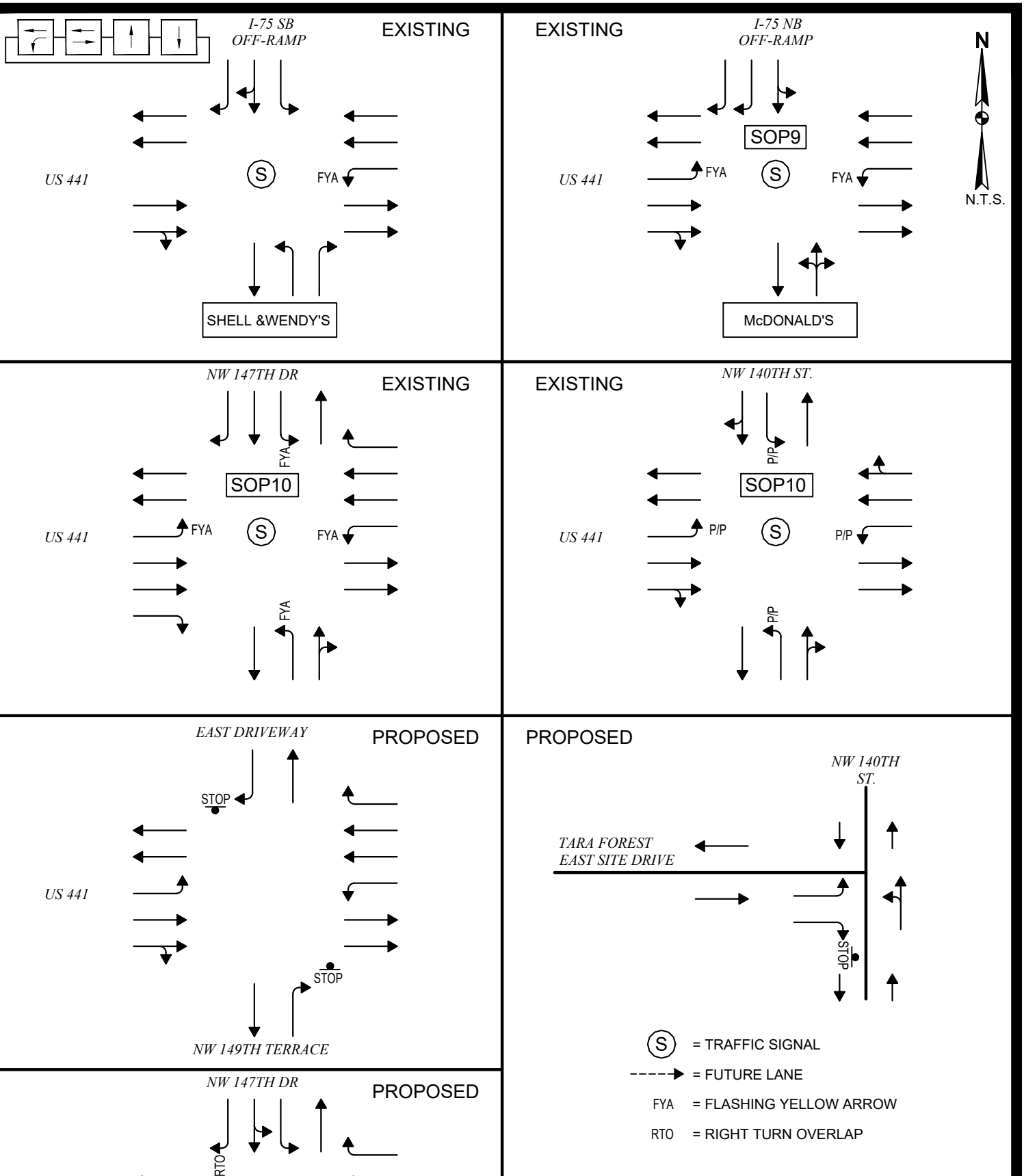

FIGURE 2

INTERSECTION
LAYOUTS

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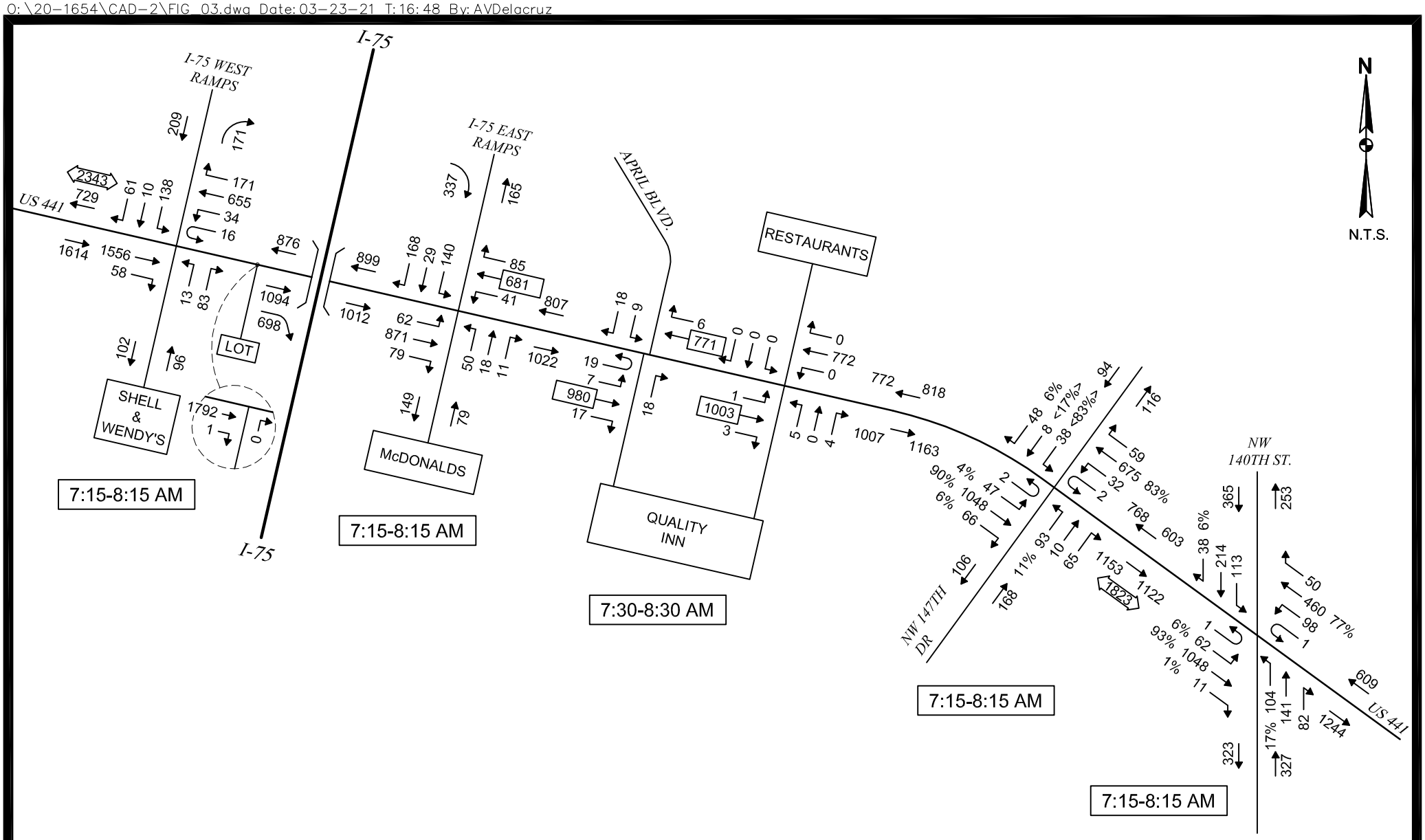


FIGURE 3

TRAFFIC COUNTS

WEEKDAY AM PEAK HOUR

Buckholz Traffic

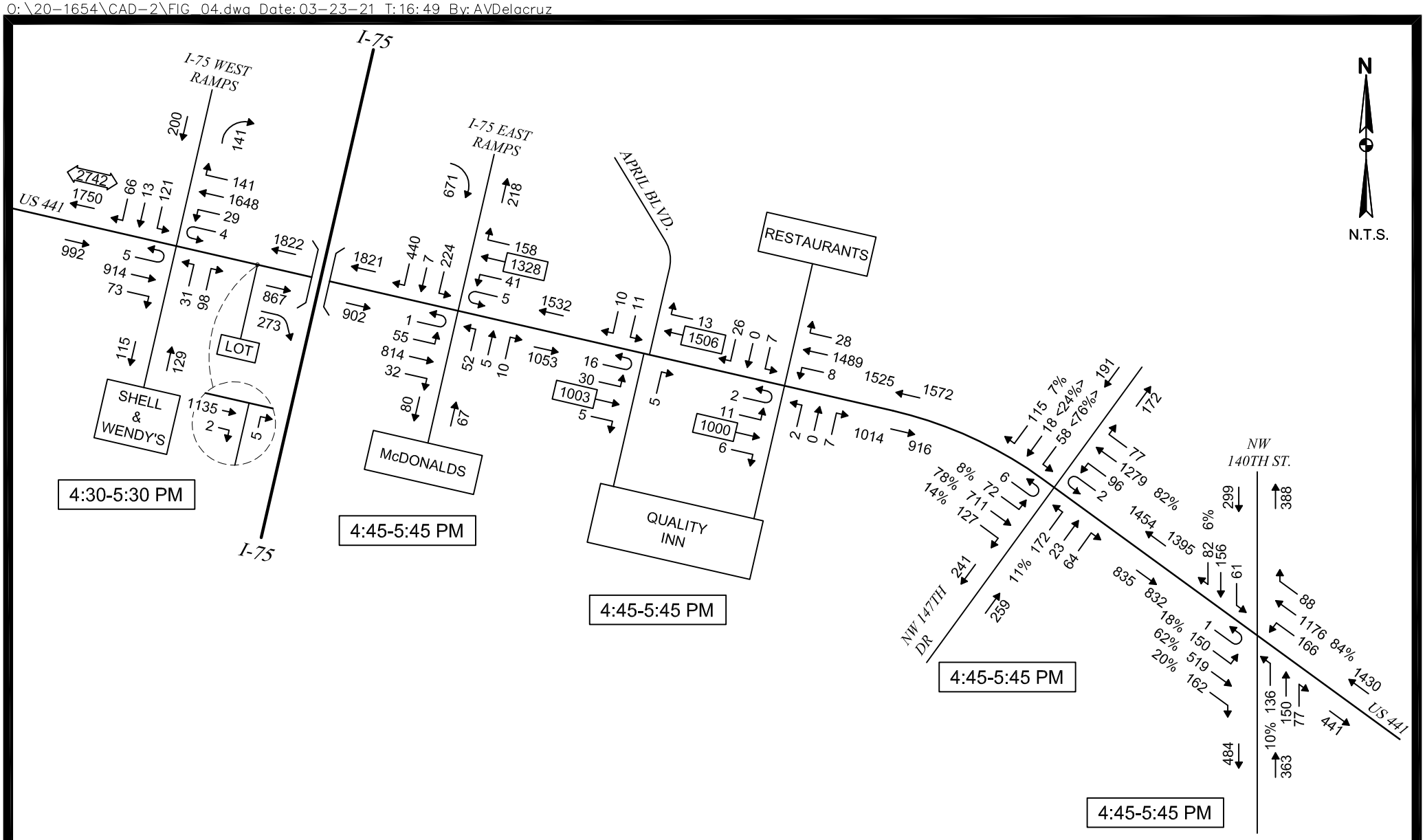


FIGURE 4

TRAFFIC COUNTS

WEEKDAY PM PEAK HOUR

Buckholz Traffic

L:\2020\20-1654\CAD-3\FIG_05.dwg Date: 09-30-21 T:16:52 By: AVDelacruz

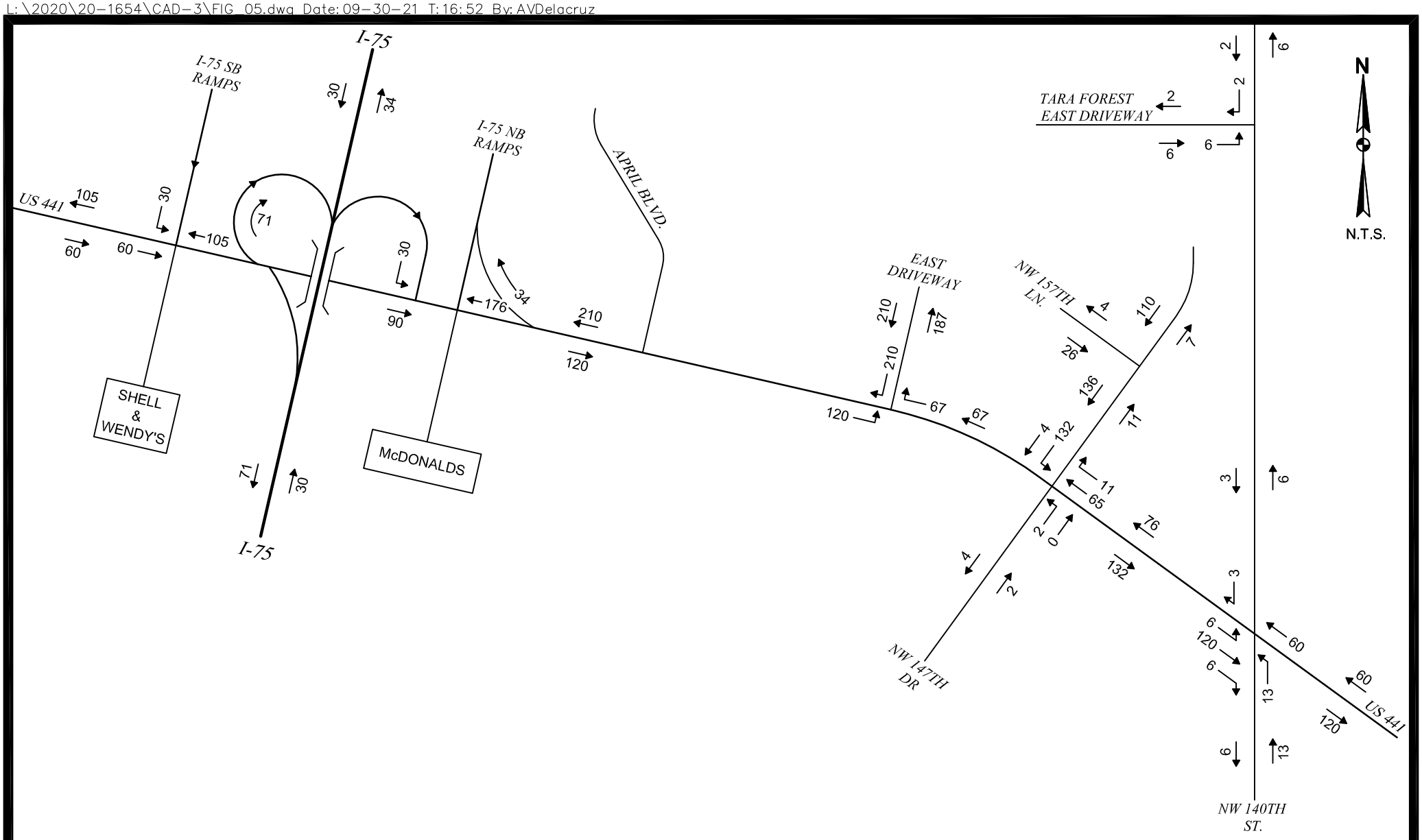


FIGURE 5

SITE TRAFFIC ASSIGNMENT

WEEKDAY AM PEAK HOUR

Buckholz Traffic

L:\2020\20-1654\CAD-3\FIG_06.dwg Date: 09-30-21 T:18:17 By: AVDelacruz

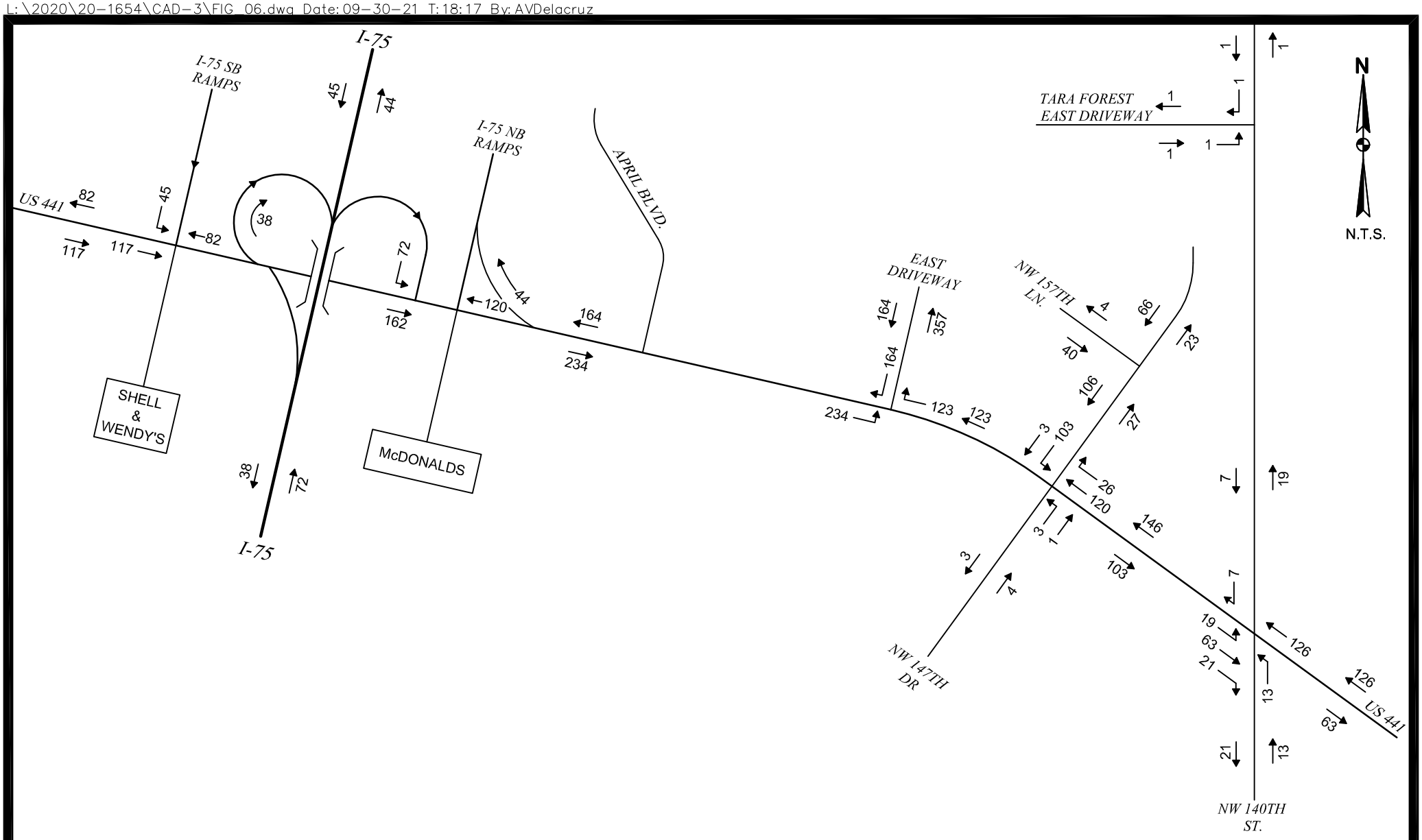
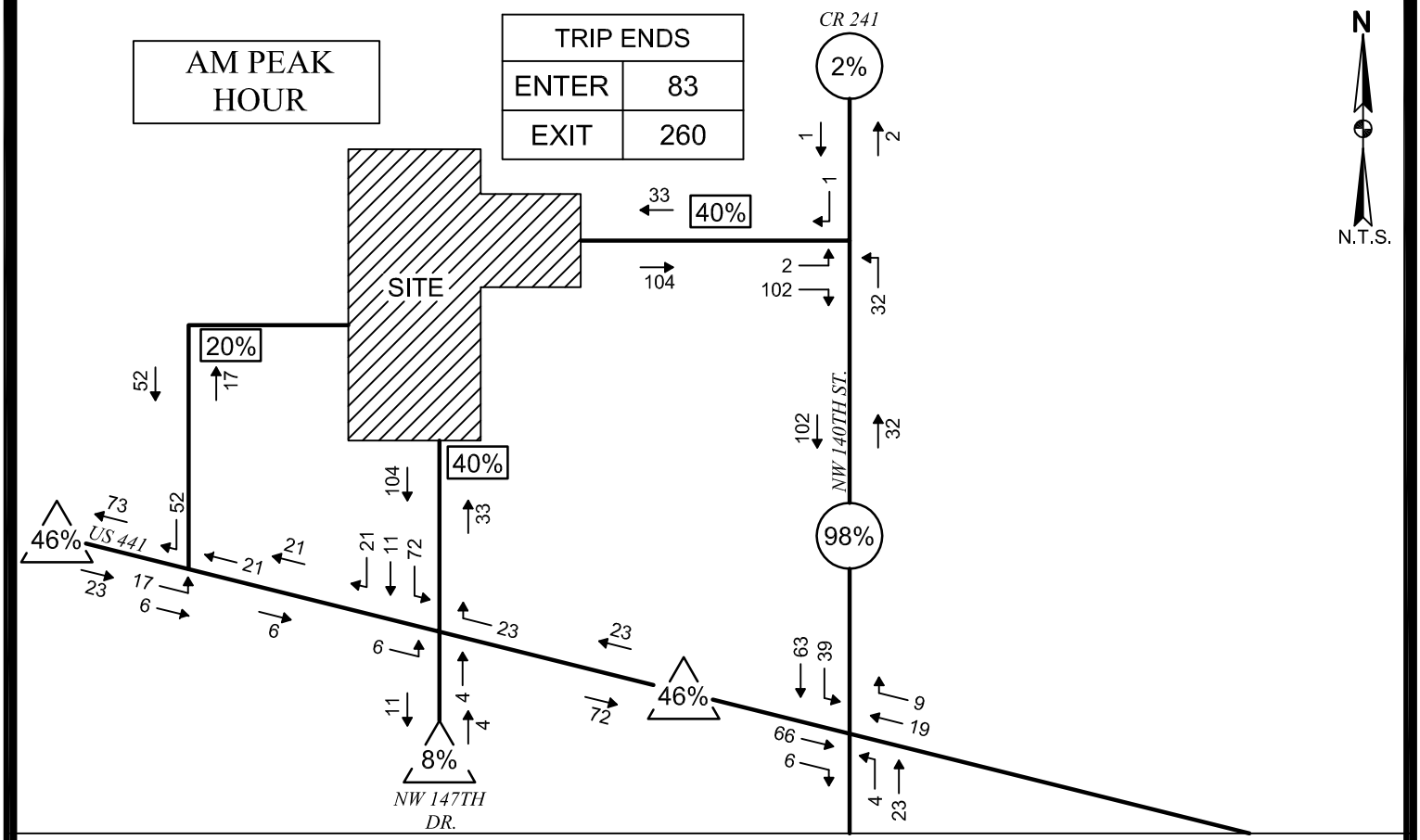


FIGURE 6

SITE TRAFFIC ASSIGNMENT

WEEKDAY PM PEAK HOUR

Buckholz Traffic



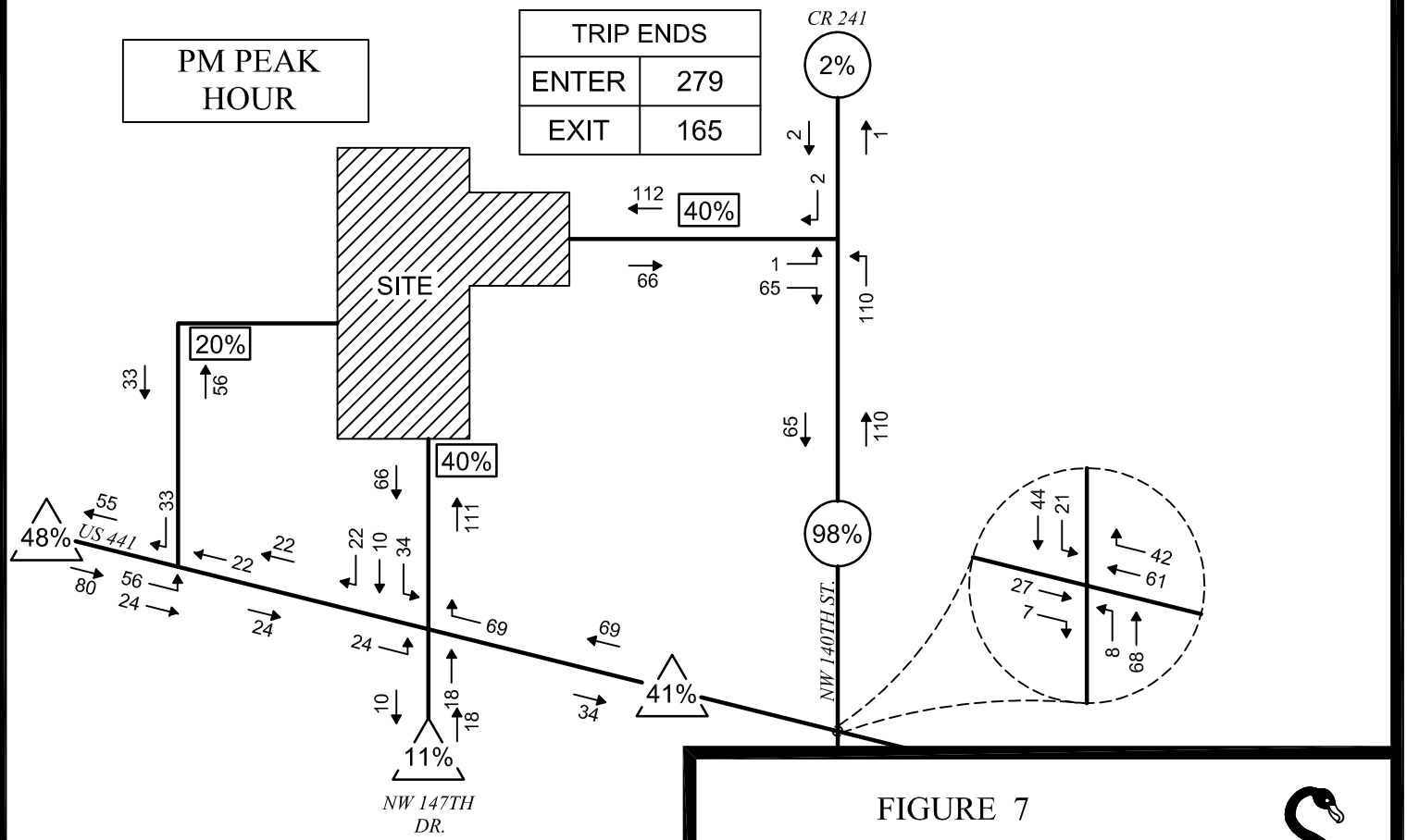
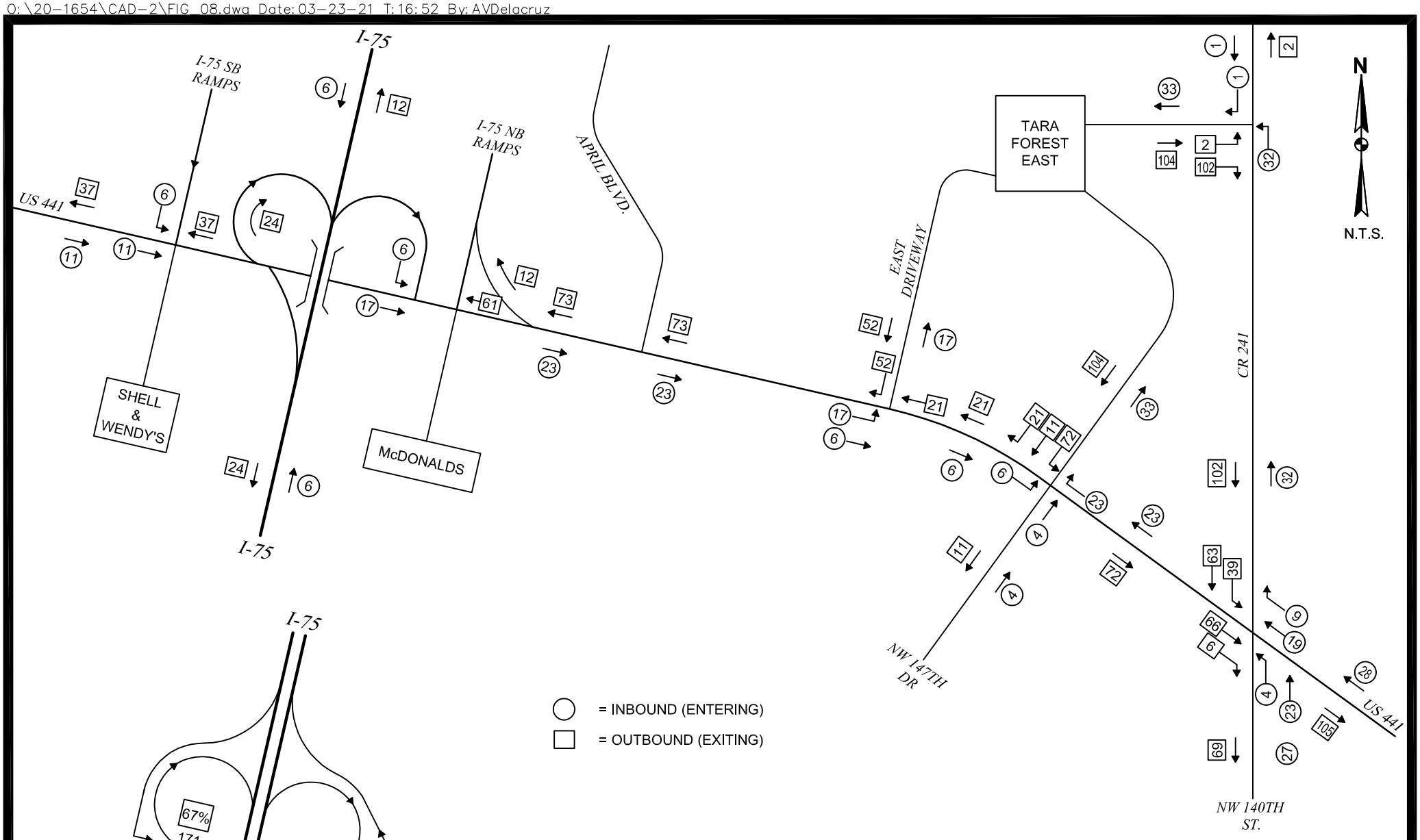


FIGURE 7

TARA FOREST
EAST TRAFFIC
ASSIGNMENT

Buckholz Traffic

O:\20-1654\CAD-2\FIG_07.dwg Date:03-23-21 T:16:51 By:AVDelacruz



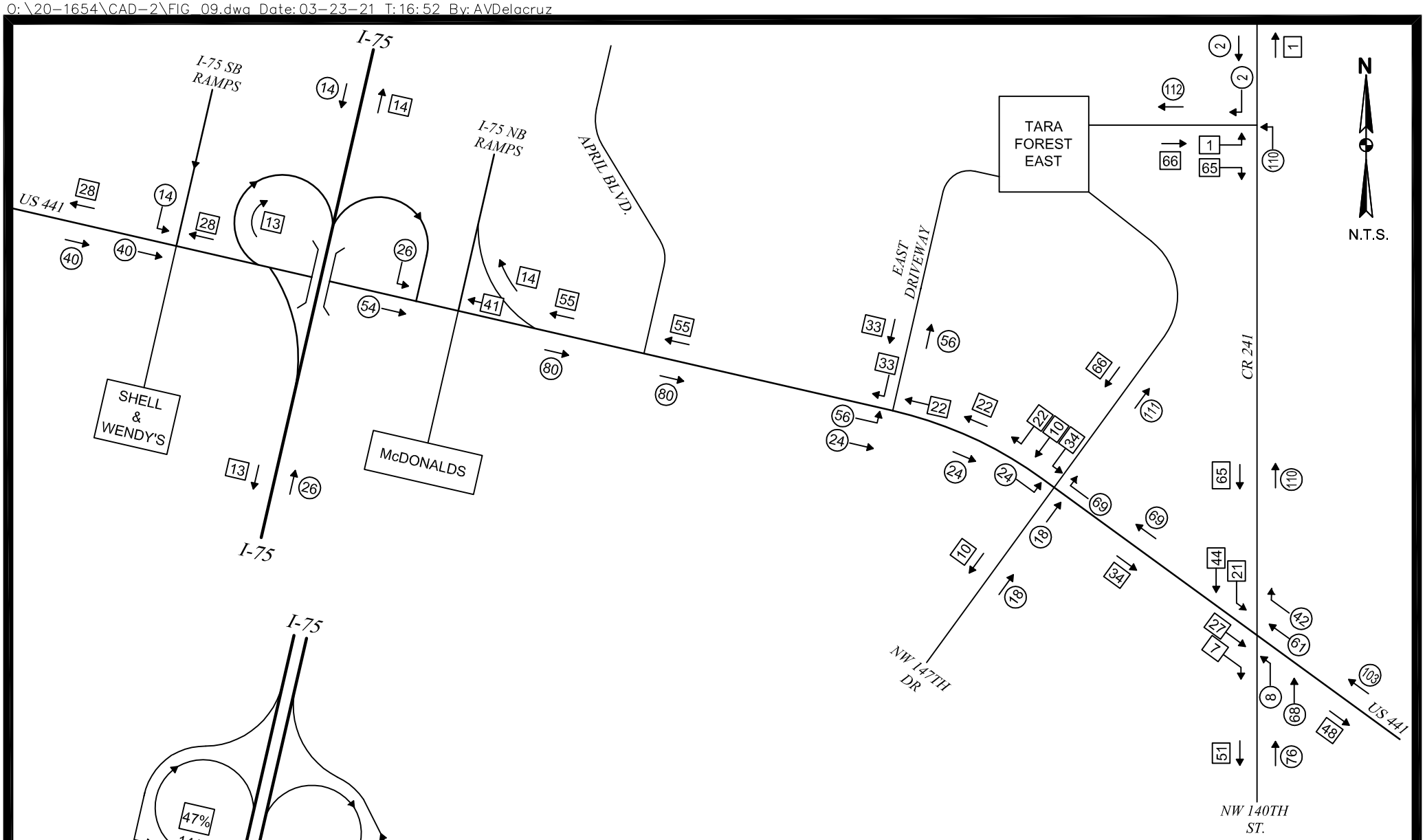
TRAFFIC COUNTS
(SEE FIGURE 3)

Buckholz Traffic

FIGURE 8

TARA FOREST EAST
TRAFFIC ASSIGNMENT
(I-75 AREA)

WEEKDAY AM PEAK HOUR



TRAFFIC COUNTS
(SEE FIGURE 4)

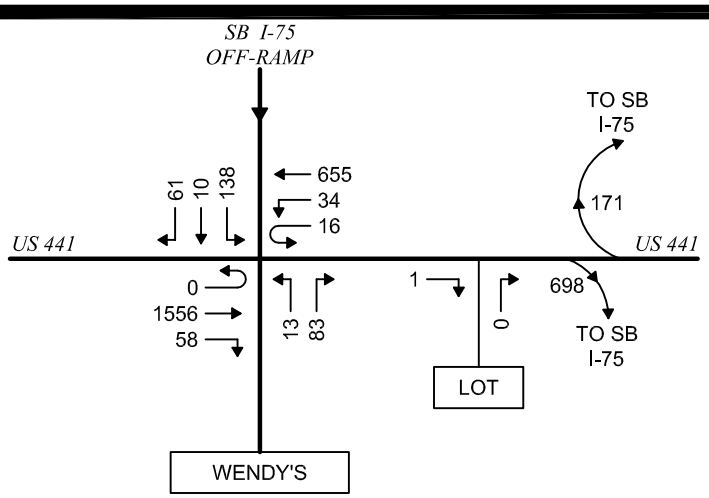
○ = INBOUND (ENTERING)
□ = OUTBOUND (EXITING)

Buckholz Traffic

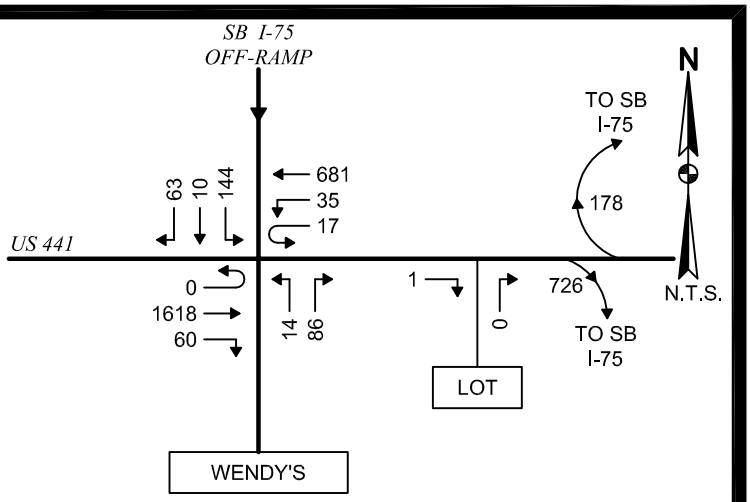
FIGURE 9

TARA FOREST EAST
TRAFFIC ASSIGNMENT
(I-75 AREA)

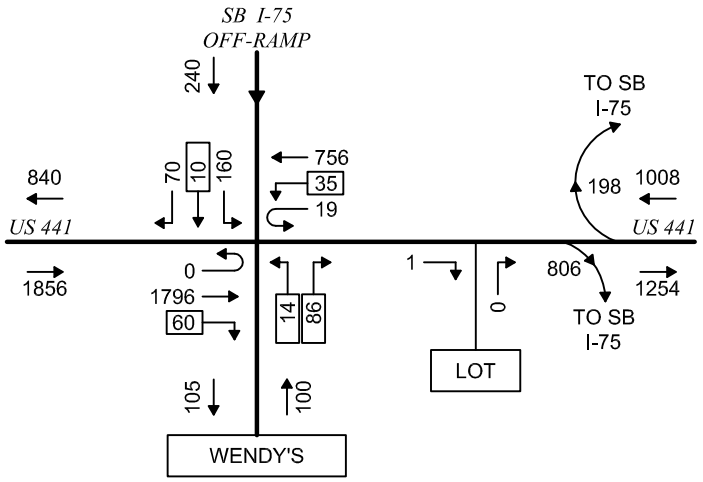
WEEKDAY PM PEAK HOUR



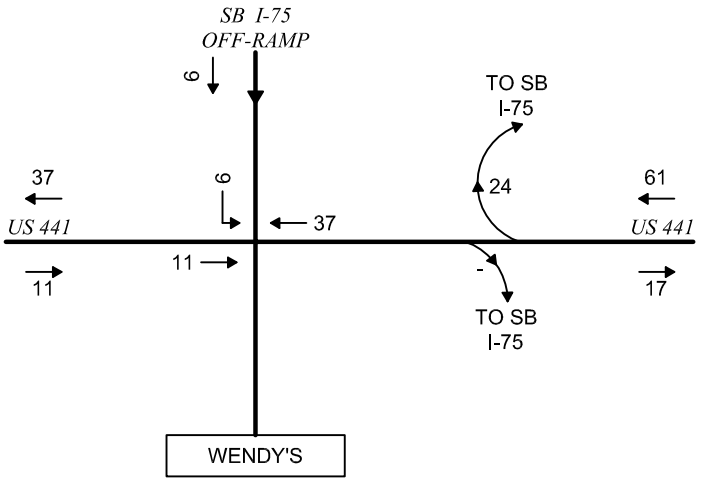
EXISTING TRAFFIC
01/07/21
7:15-8:15 AM



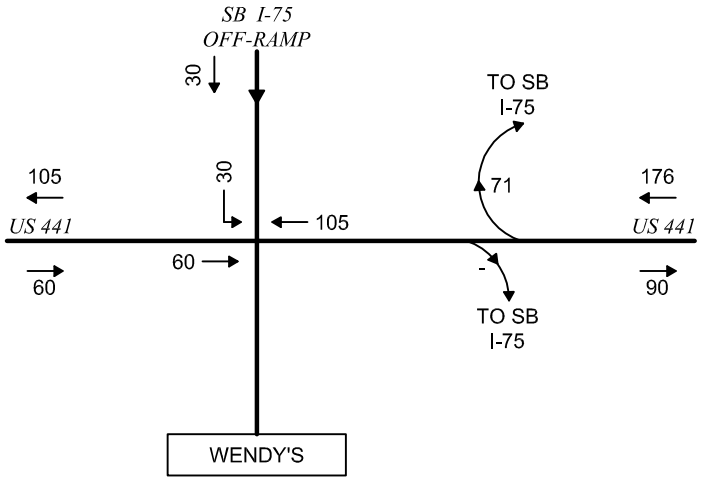
2020 SEASONALLY ADJUSTED TRAFFIC
FDOT SEASONAL CORRECTION FACTOR = 1.05



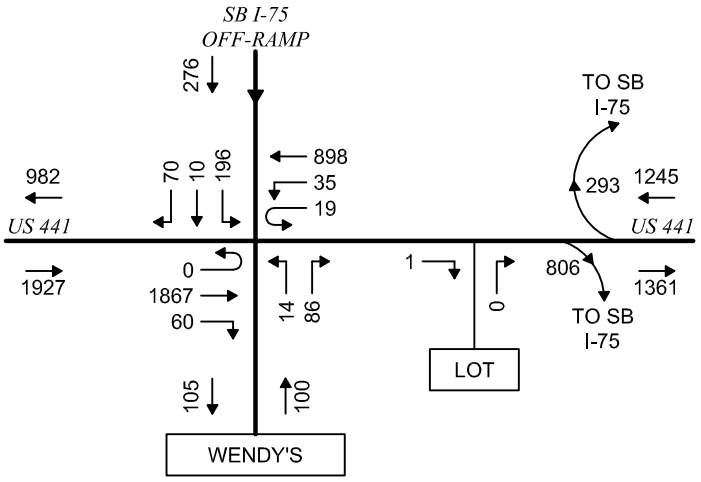
2025 BACKGROUND TRAFFIC
GROWTH FACTOR = 1.11



TARA FOREST EAST TRAFFIC



SITE TRAFFIC



2025 BUILD TRAFFIC

XX = GROWTH RATE NOT APPLIED

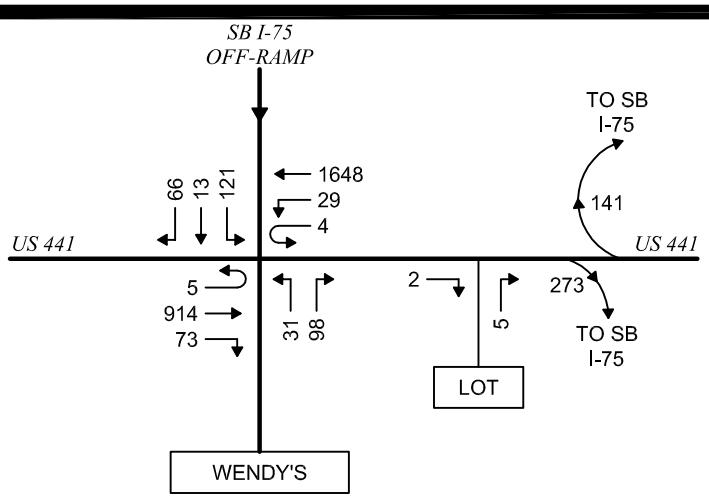
Buckholz Traffic

FIGURE 10

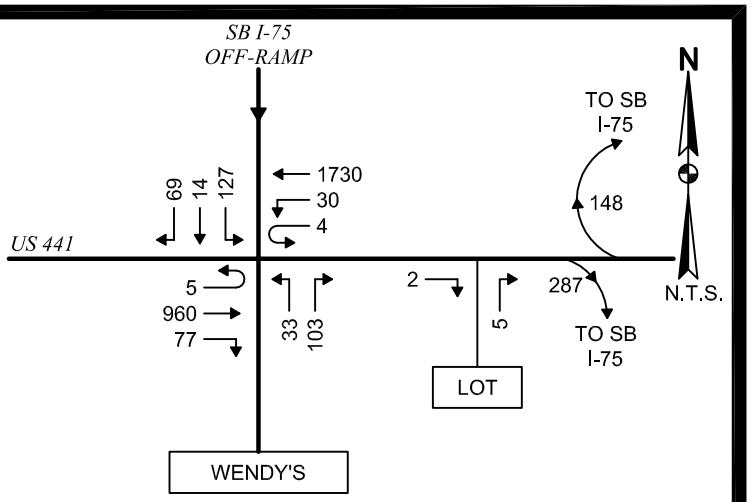
2025 BUILD TRAFFIC
US 441 / I-75 WEST RAMPS

WEEKDAY AM PEAK HOUR

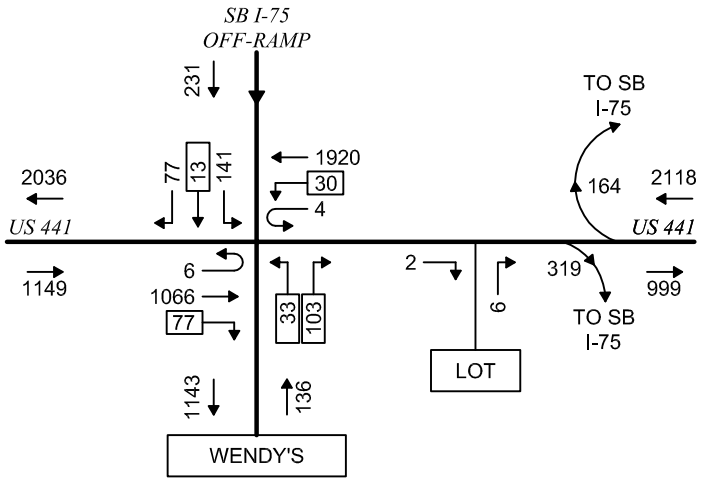
L:\2020\20-1654\CAD-3\FIG_10.dwg Date:09-30-21 T:17:44 By:AVDelacruz



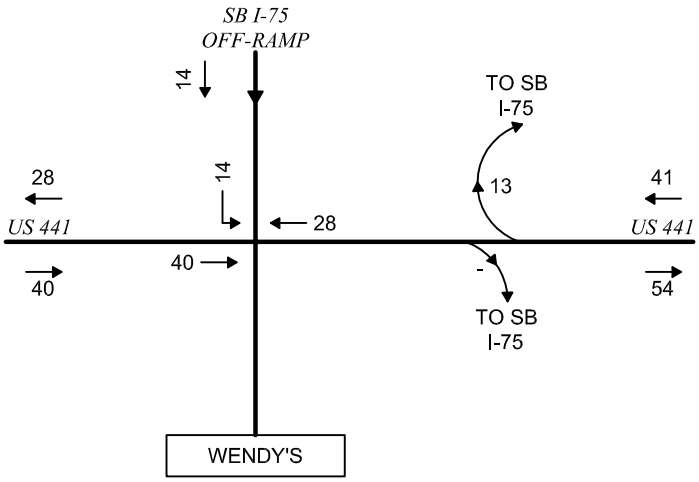
EXISTING TRAFFIC
01/05/21
4:30-5:30 PM



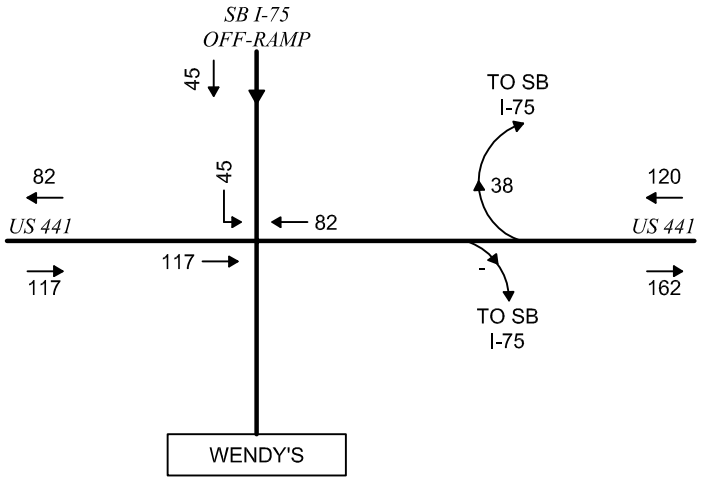
2020 SEASONALLY ADJUSTED TRAFFIC
FDOT SEASONAL CORRECTION FACTOR = 1.05



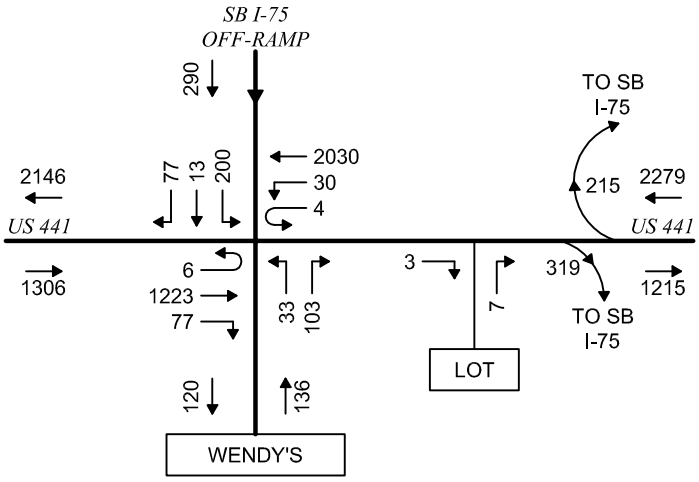
2025 BACKGROUND TRAFFIC
GROWTH FACTOR = 1.11



TARA FOREST EAST TRAFFIC



SITE TRAFFIC



2025 BUILD TRAFFIC

XX = GROWTH RATE NOT APPLIED

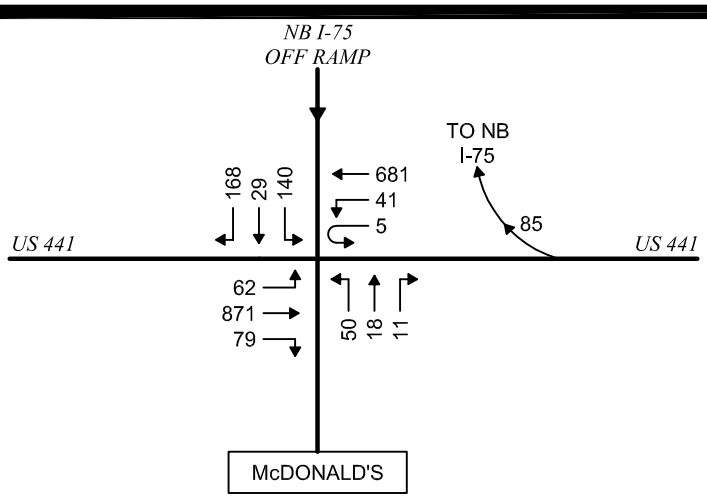
Buckholz Traffic

FIGURE 11

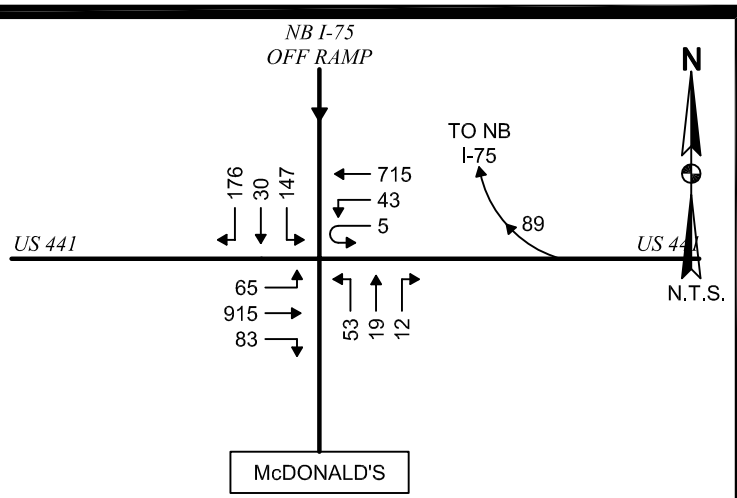
2025 BUILD TRAFFIC
US 441 / I-75 WEST RAMPS

WEEKDAY PM PEAK HOUR

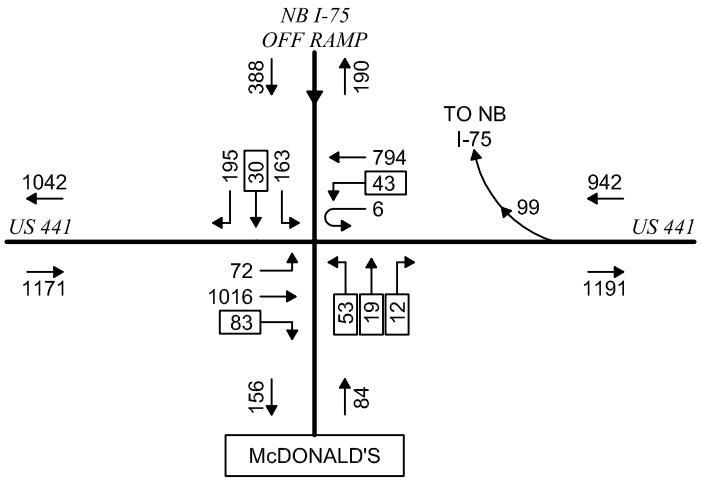
L:\2020\20-1654\CAD-3\FIG_11.dwg Date:09-30-21 T:17:48 By:AVDelacruz



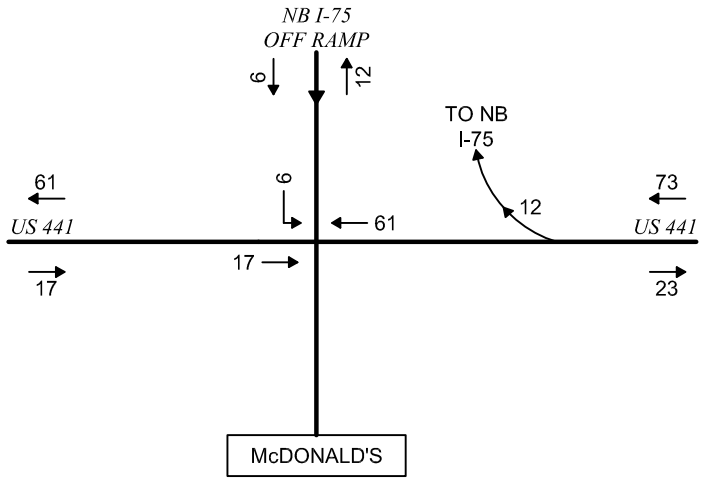
EXISTING TRAFFIC
12/16/20
7:15-8:15 AM



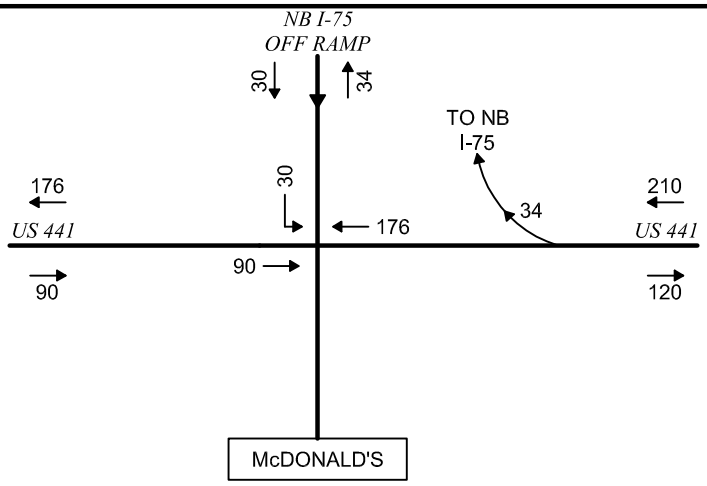
2020 SEASONALLY ADJUSTED TRAFFIC
FDOT SEASONAL CORRECTION FACTOR = 1.05



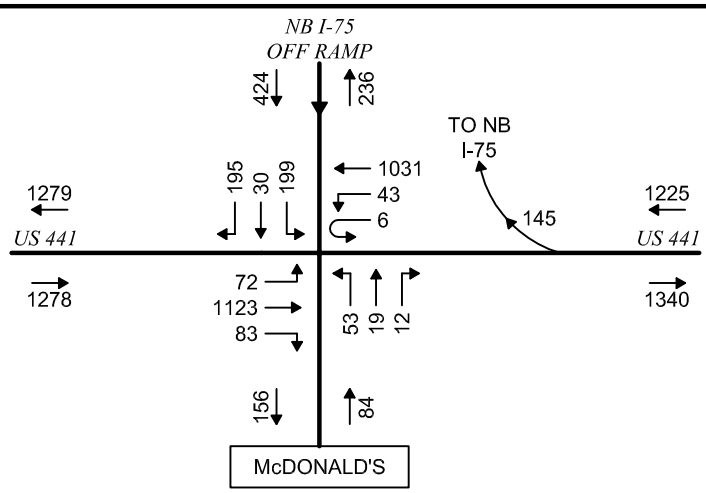
2025 BACKGROUND TRAFFIC
GROWTH FACTOR = 1.11



TARA FOREST EAST TRAFFIC



SITE TRAFFIC



2025 BUILD TRAFFIC

XX = GROWTH RATE NOT APPLIED

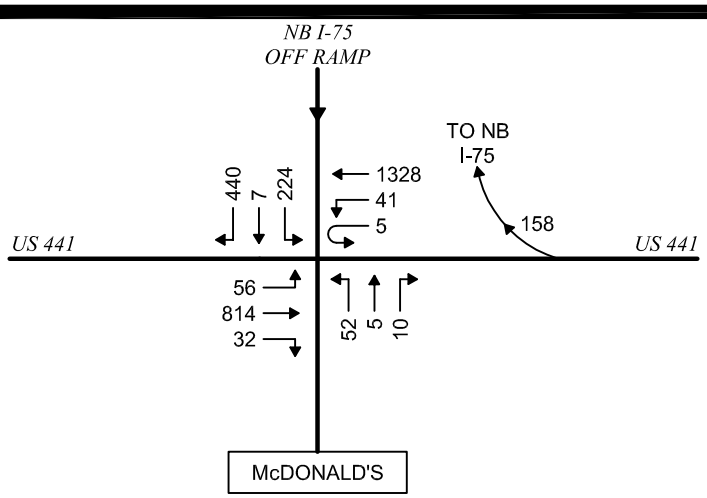
Buckholz Traffic

FIGURE 12

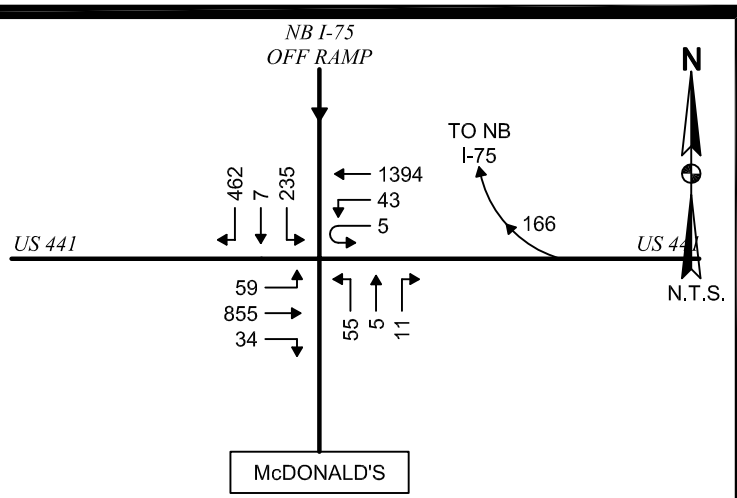
2025 BUILD TRAFFIC
US 441 / I-75 EAST RAMPS

WEEKDAY AM PEAK HOUR

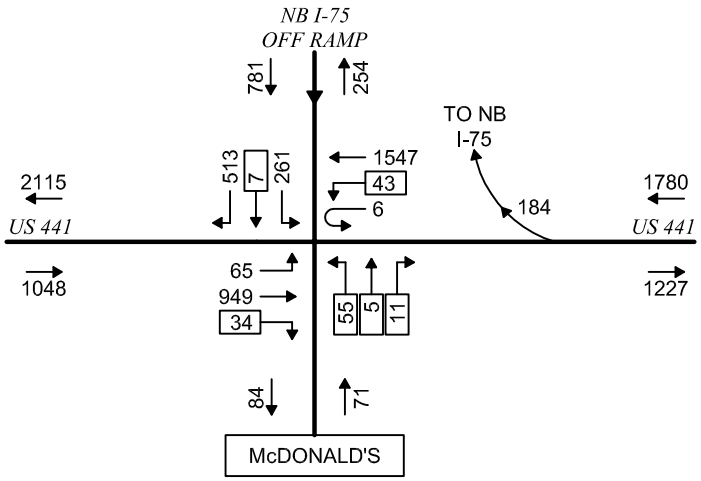
L:\2020\20-1654\CAD-3\FIG_12.dwg Date:09-30-21 T:18:18 By:AVDelacruz



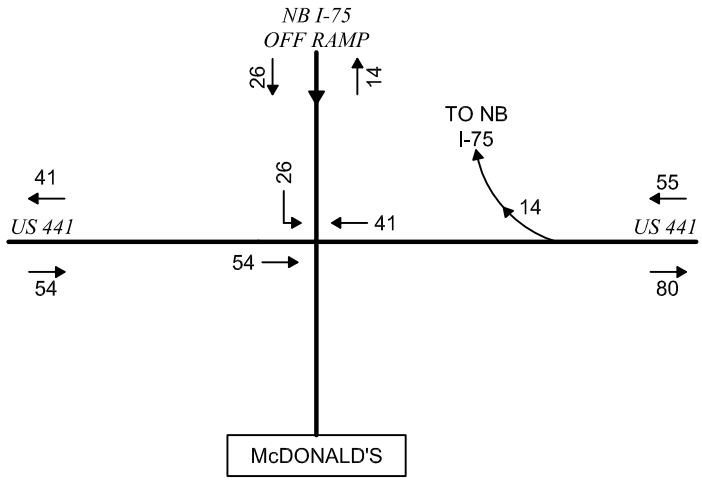
EXISTING TRAFFIC
01/05/21
4:45-5:45 PM



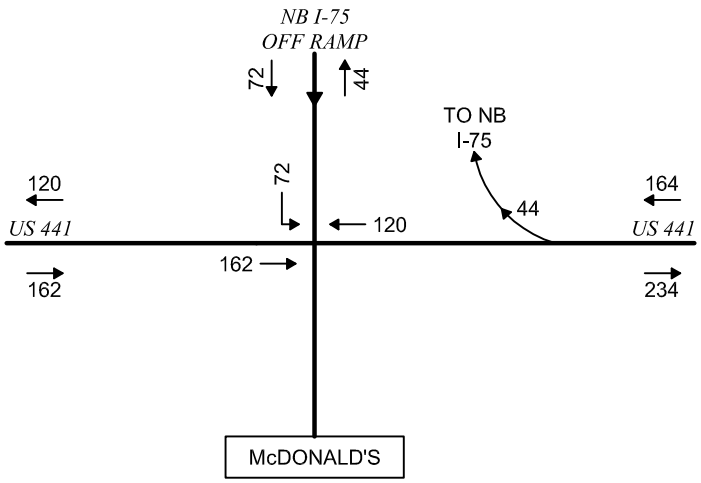
2020 SEASONALLY ADJUSTED TRAFFIC
FDOT SEASONAL CORRECTION FACTOR = 1.05



2025 BACKGROUND TRAFFIC
GROWTH FACTOR = 1.11

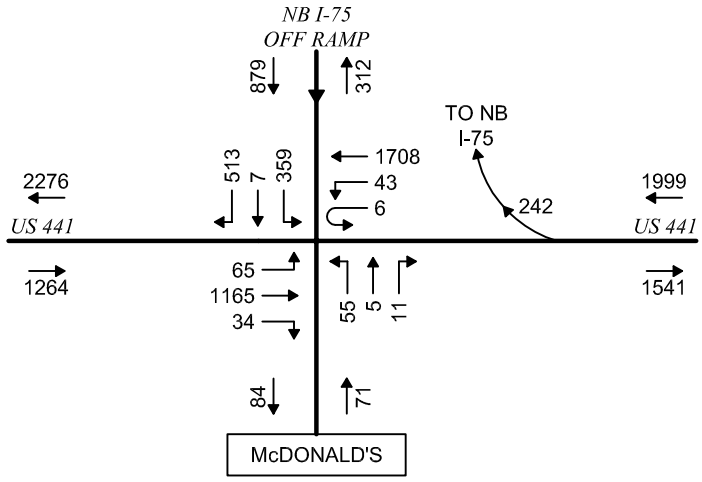


TARA FOREST EAST TRAFFIC



SITE TRAFFIC

XX = GROWTH RATE NOT APPLIED



2025 BUILD TRAFFIC

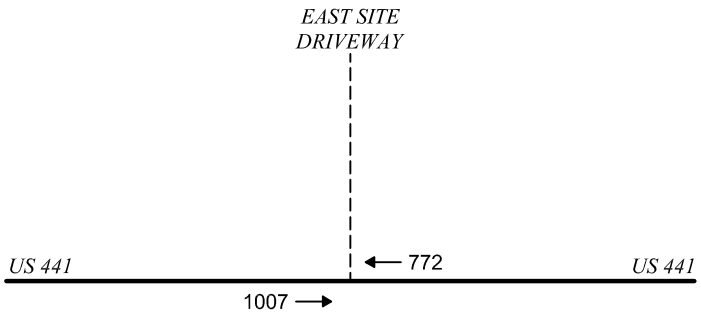
Buckholz Traffic

FIGURE 13

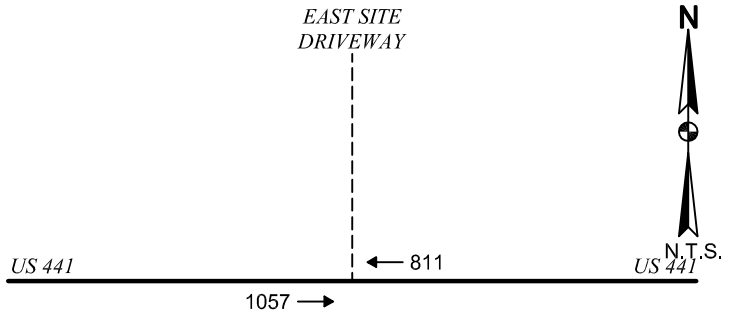
2025 BUILD TRAFFIC
US 441 / I-75 EAST RAMPS

WEEKDAY PM PEAK HOUR

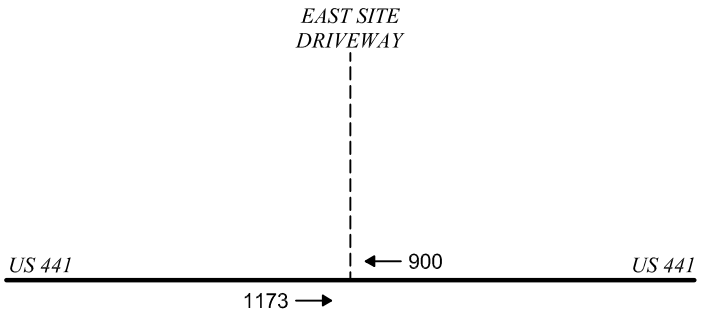
L:\2020\20-1654\CAD-3\FIG_13.dwg Date:09-30-21 T:17:54 By:AVDelacruz



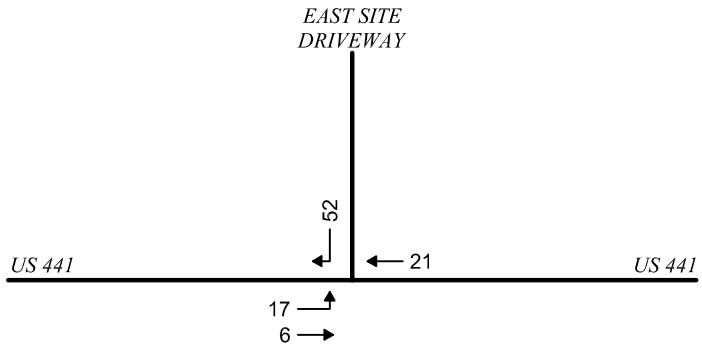
EXISTING TRAFFIC
12/18/20
7:30-8:30 AM



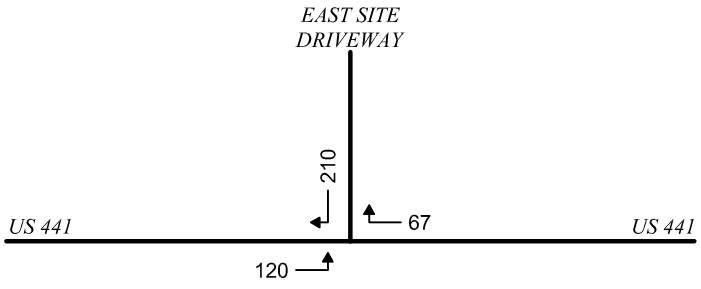
2020 SEASONALLY ADJUSTED TRAFFIC
FDOT SEASONAL CORRECTION FACTOR = 1.05



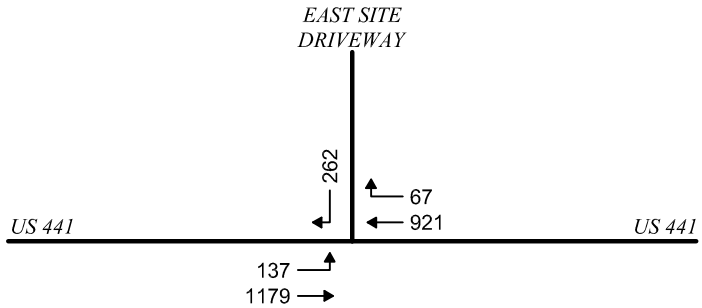
2025 BACKGROUND TRAFFIC
GROWTH FACTOR = 1.11



TARA FOREST EAST TRAFFIC



SITE TRAFFIC



2025 BUILD TRAFFIC

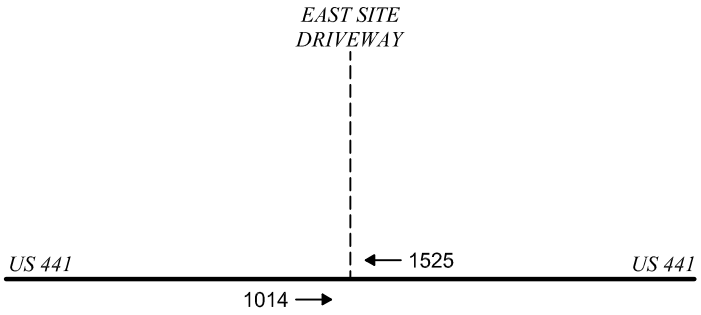
Buckholz Traffic

FIGURE 14

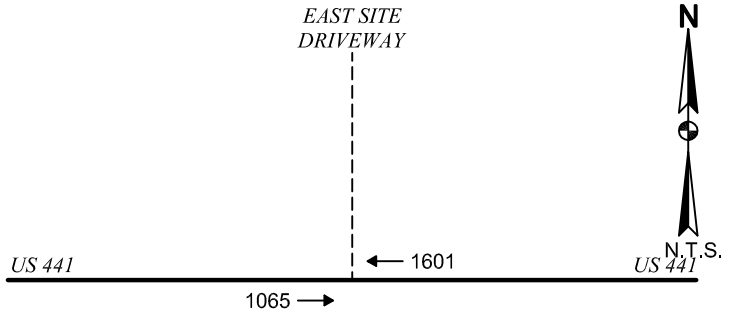
2025 BUILD TRAFFIC
US 441 / EAST DRIVEWAY

WEEKDAY AM PEAK HOUR

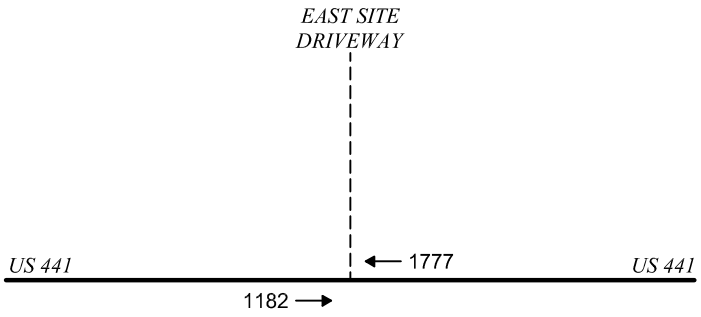
L:\2020\20-1654\CAD-3\FIG_14.dwg Date:09-30-21 T:17:57 By:AVDelacruz



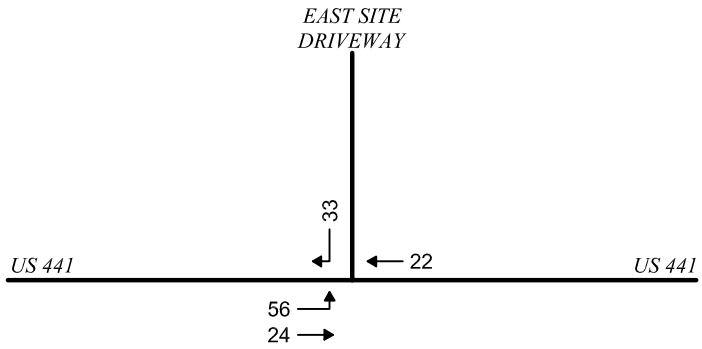
EXISTING TRAFFIC
12/14/20
4:45-5:45 PM



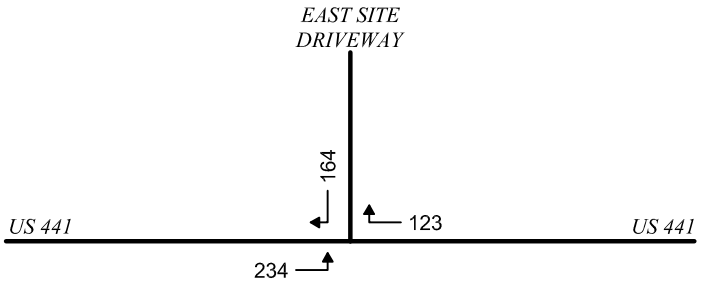
2020 SEASONALLY ADJUSTED TRAFFIC
FDOT SEASONAL CORRECTION FACTOR = 1.05



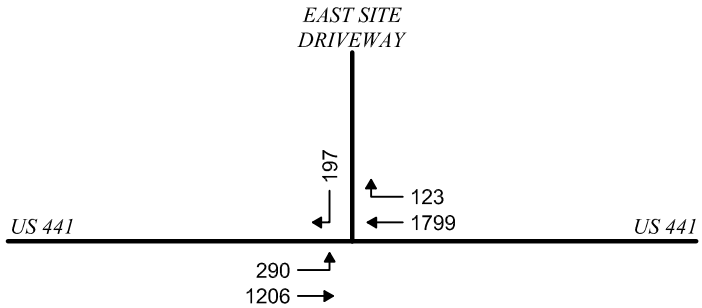
2025 BACKGROUND TRAFFIC
GROWTH FACTOR = 1.11



TARA FOREST EAST TRAFFIC



SITE TRAFFIC



2025 BUILD TRAFFIC

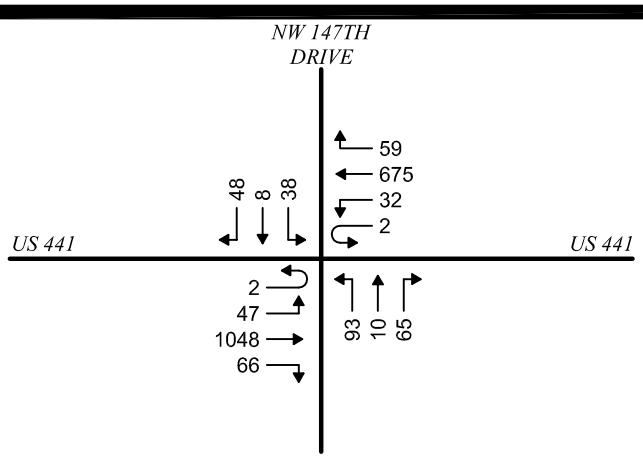
Buckholz Traffic

FIGURE 15

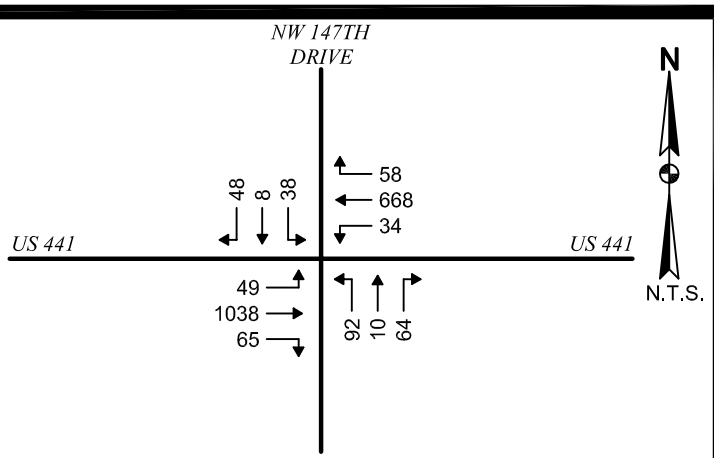
2025 BUILD TRAFFIC
US 441 / EAST DRIVEWAY

WEEKDAY PM PEAK HOUR

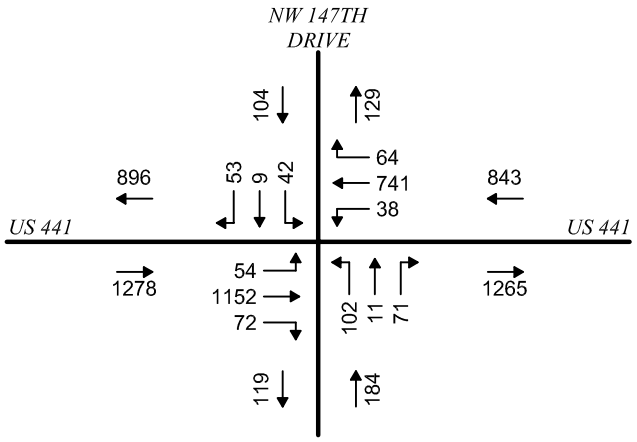
L:\2020\20-1654\CAD-3\FIG_15.dwg Date:09-30-21 T:17:58 By:AVDelacruz



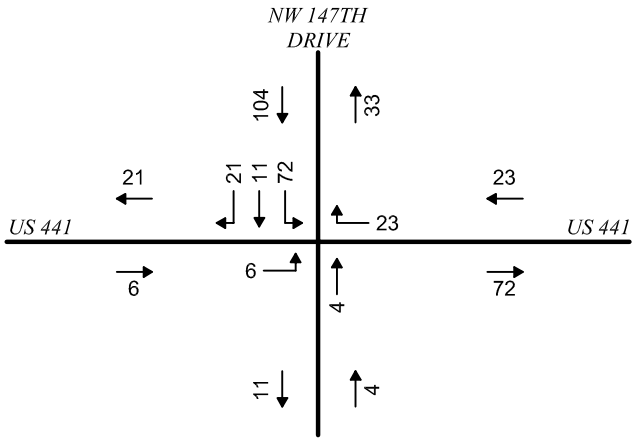
EXISTING TRAFFIC
08/28/19
7:15-8:15 AM



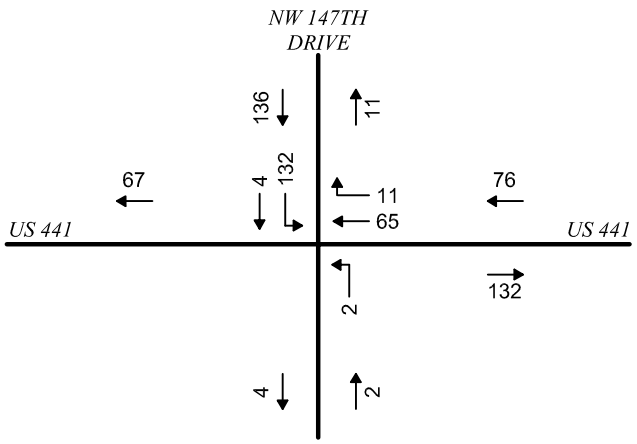
2019 SEASONALLY ADJUSTED TRAFFIC
FDOT SEASONAL CORRECTION FACTOR = 0.99



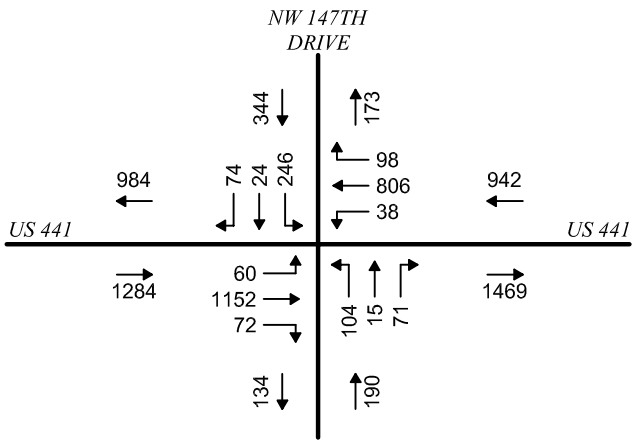
2025 BACKGROUND TRAFFIC
GROWTH RATE = 1.11



TARA FOREST EAST TRAFFIC



SITE TRAFFIC



2025 BUILD TRAFFIC

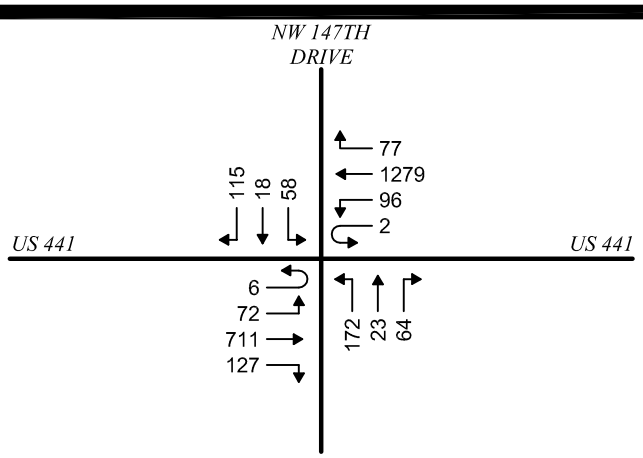
Buckholz Traffic

FIGURE 16

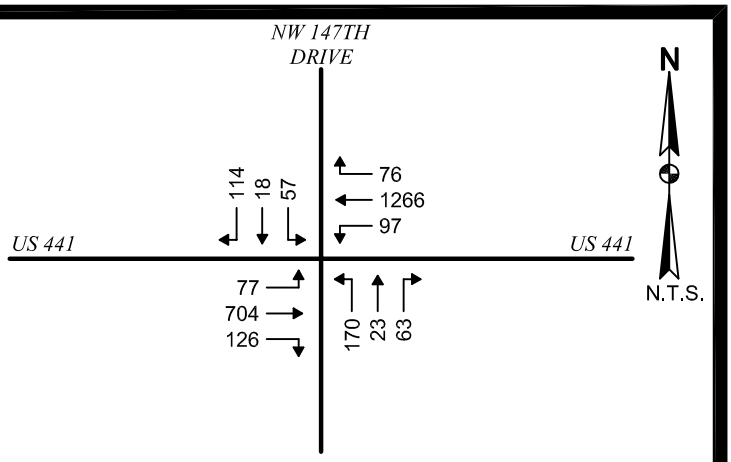
2025 BUILD TRAFFIC
US 441 / NW 147TH DRIVE

WEEKDAY AM PEAK HOUR

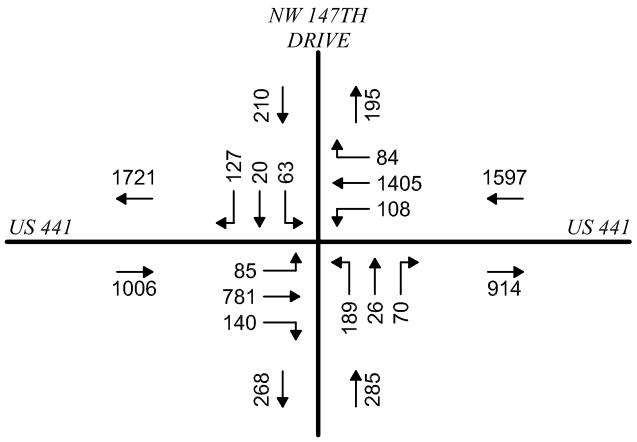
L:\2020\20-1654\CAD-3\FIG_16.dwg Date:09-30-21 T:17:60 By:AVDelacruz



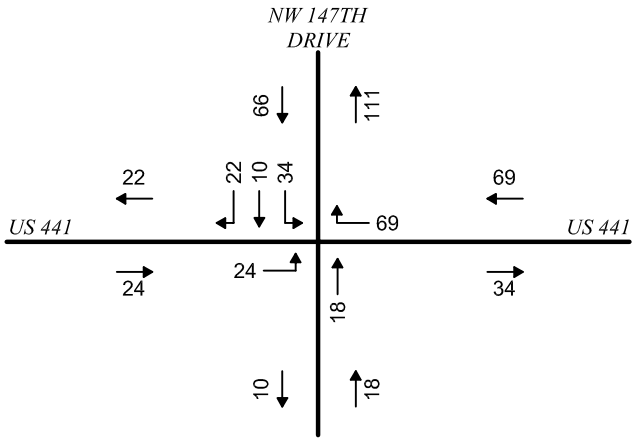
EXISTING TRAFFIC
08/26/19
4:45-5:45 PM



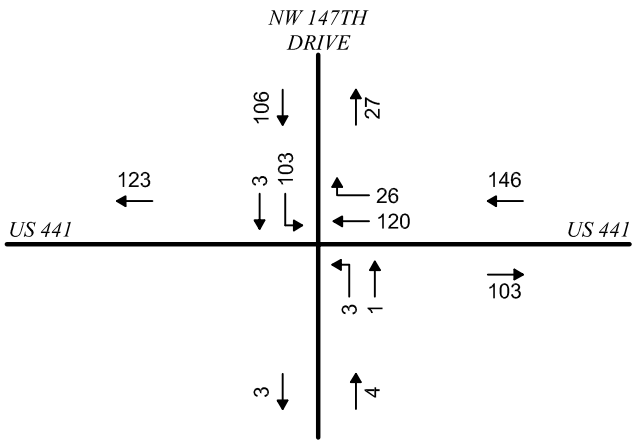
2019 SEASONALLY ADJUSTED TRAFFIC
FDOT SEASONAL CORRECTION FACTOR = 0.99



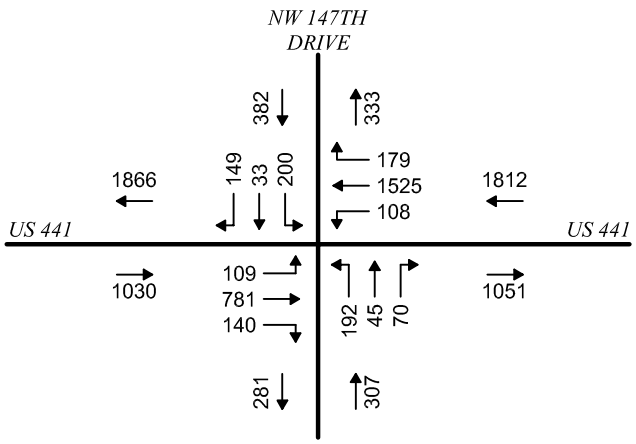
2025 BACKGROUND TRAFFIC
GROWTH RATE = 1.11



TARA FOREST EAST TRAFFIC



SITE TRAFFIC



2025 BUILD TRAFFIC

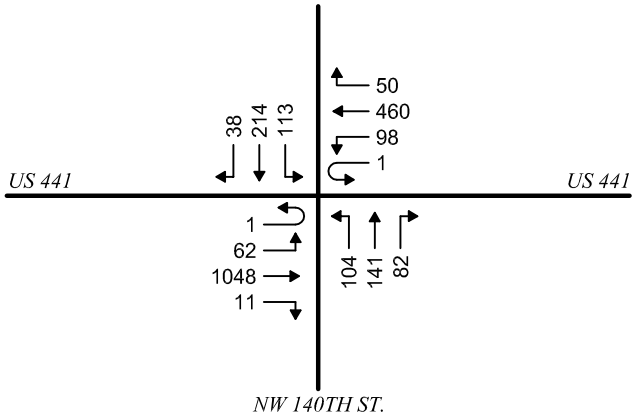
Buckholz Traffic

FIGURE 17

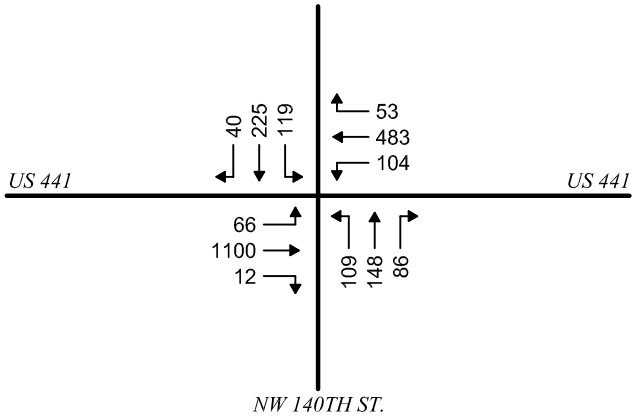
2025 BUILD TRAFFIC
US 441 / NW 147TH DRIVE

WEEKDAY PM PEAK HOUR

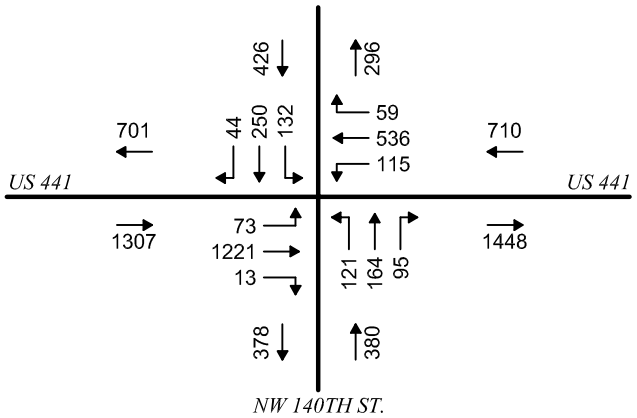
L:\2020\20-1654\CAD-3\FIG_17.dwg Date:09-30-21 T:18:03 By:AVDelacruz



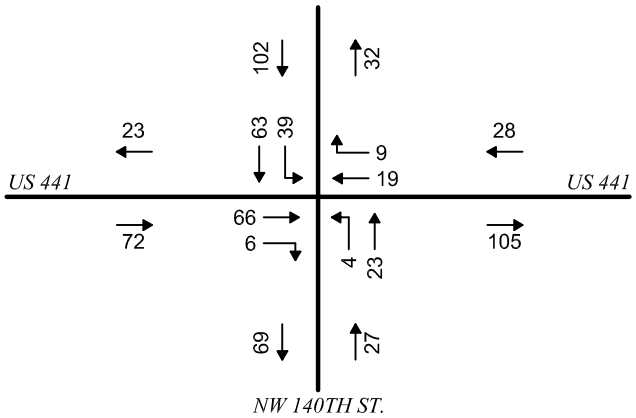
EXISTING TRAFFIC
12/11/19
7:15-8:15 AM



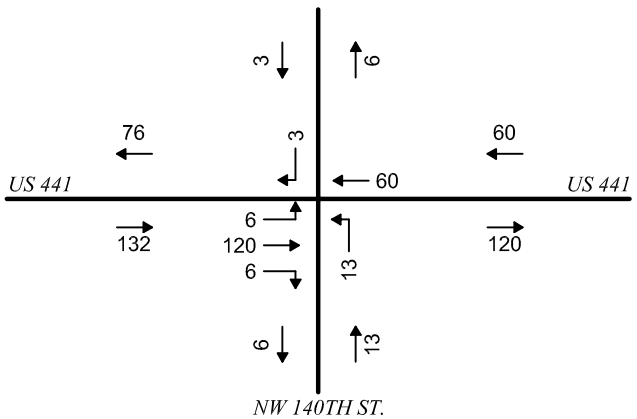
2019 SEASONALLY ADJUSTED TRAFFIC
FDOT SEASONAL CORRECTION FACTOR = 1.05



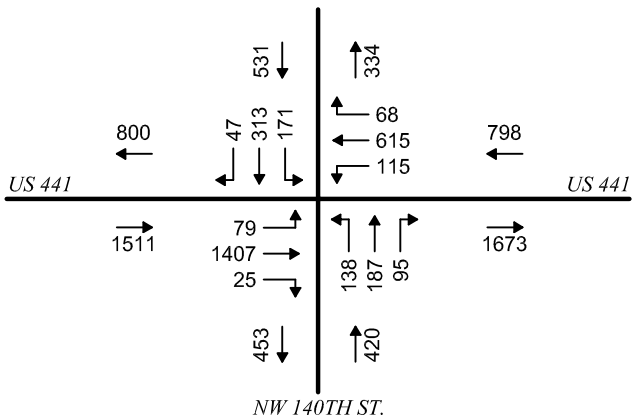
2025 BACKGROUND TRAFFIC
GROWTH FACTOR = 1.11



TARA FOREST EAST TRAFFIC



SITE TRAFFIC



2025 BUILD TRAFFIC

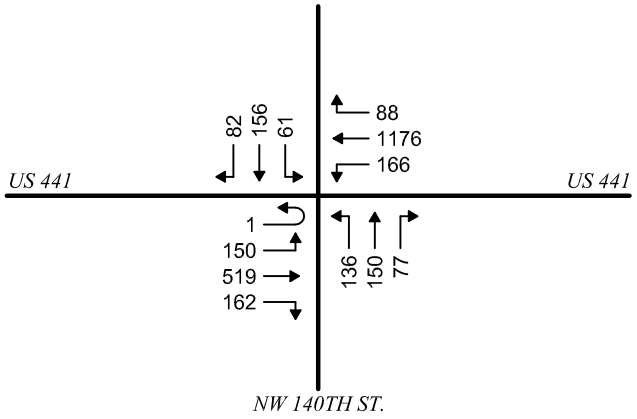
Buckholz Traffic

FIGURE 18

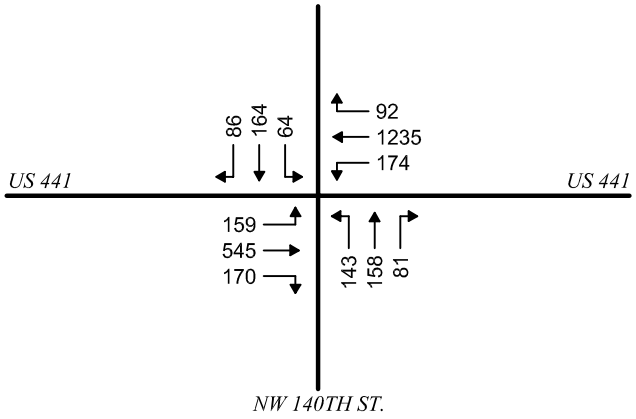
2025 BUILD TRAFFIC
US 441 / NW 140TH STREET

WEEKDAY AM PEAK HOUR

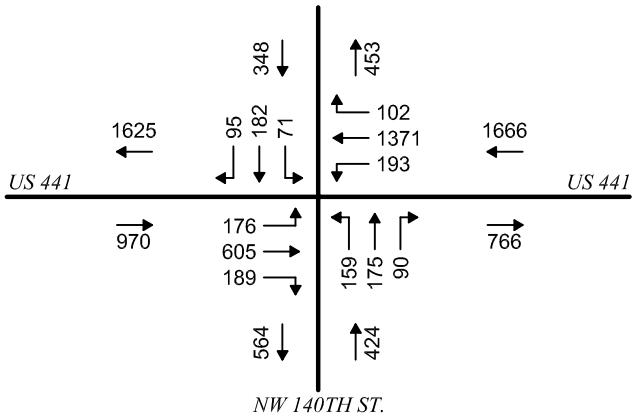
L:\2020\20-1654\CAD-3\FIG_18.dwg Date:09-30-21 T:18:18 By:AVDelacruz



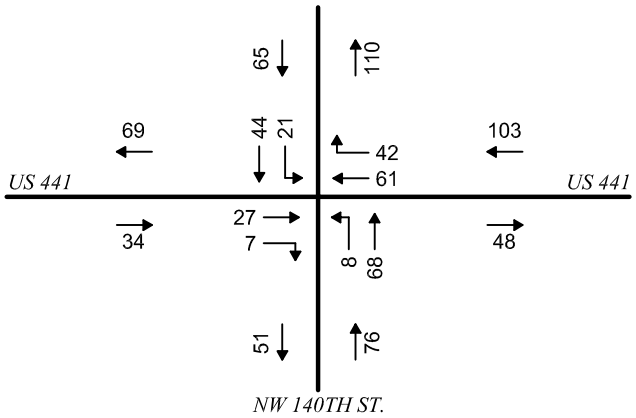
EXISTING TRAFFIC
12/09/19
4:45-5:45 PM



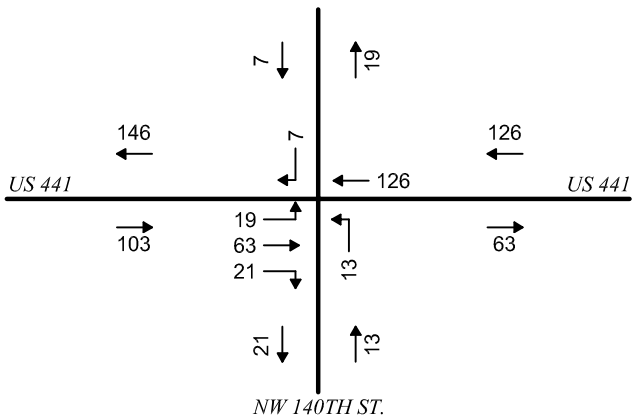
2019 SEASONALLY ADJUSTED TRAFFIC
FDOT SEASONAL CORRECTION FACTOR = 1.05



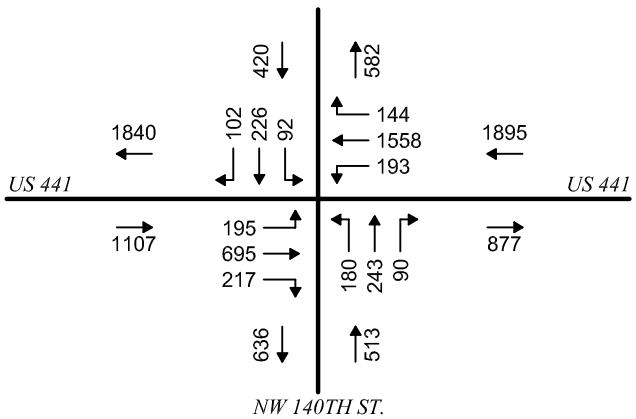
2025 BACKGROUND TRAFFIC
GROWTH FACTOR = 1.11



TARA FOREST EAST TRAFFIC



SITE TRAFFIC



2025 BUILD TRAFFIC

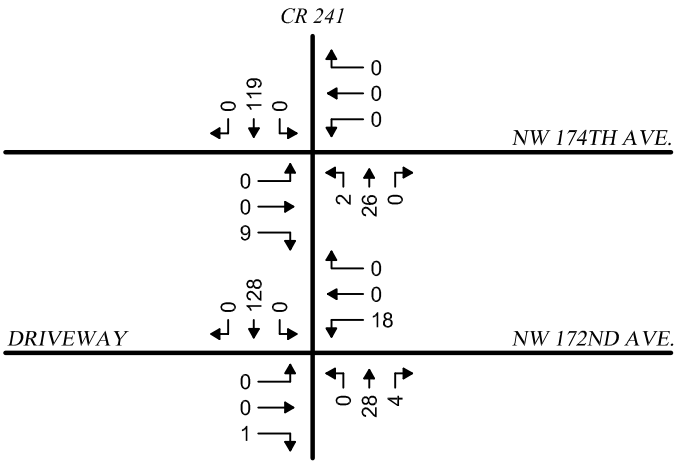
Buckholz Traffic

FIGURE 19

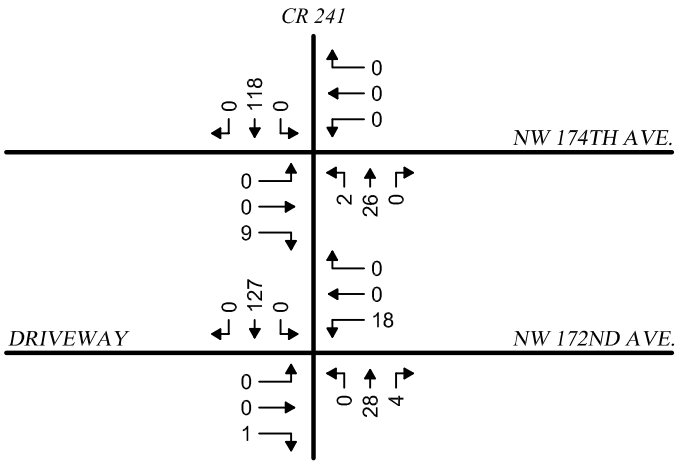
2025 BUILD TRAFFIC
US 441 / NW 140TH STREET

WEEKDAY PM PEAK HOUR

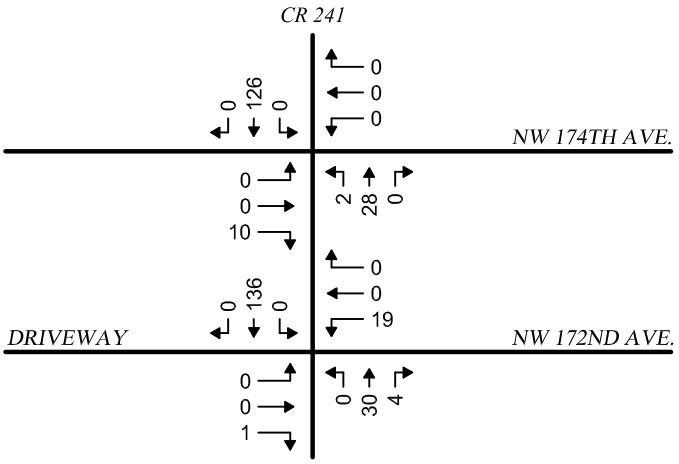
L:\2020\20-1654\CAD-3\FIG_19.dwg Date:09-30-21 T:18:10 By:AVDelacruz



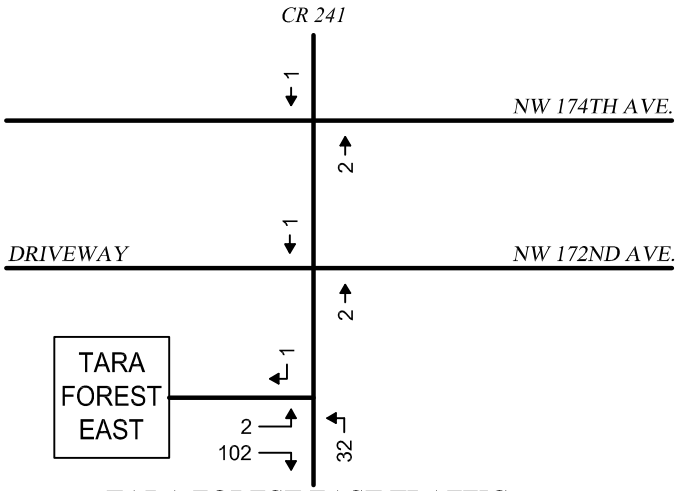
EXISTING TRAFFIC
09/18/18
7:00-8:00 AM



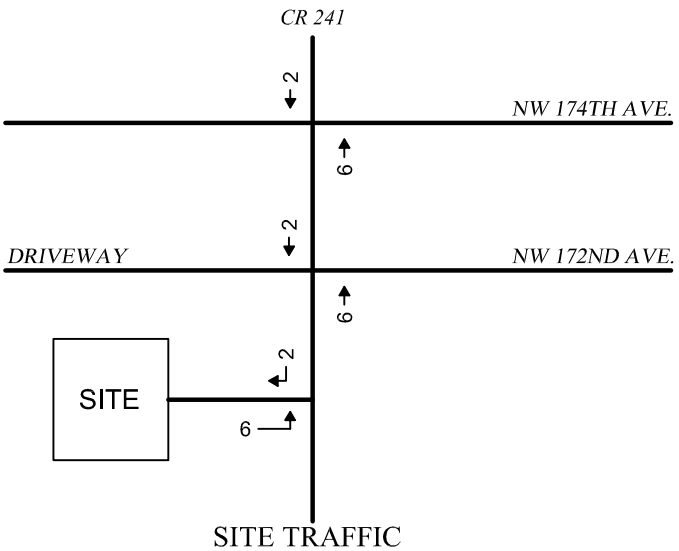
2018 SEASONALLY ADJUSTED TRAFFIC
FDOT SEASONAL CORRECTION FACTOR = 0.99



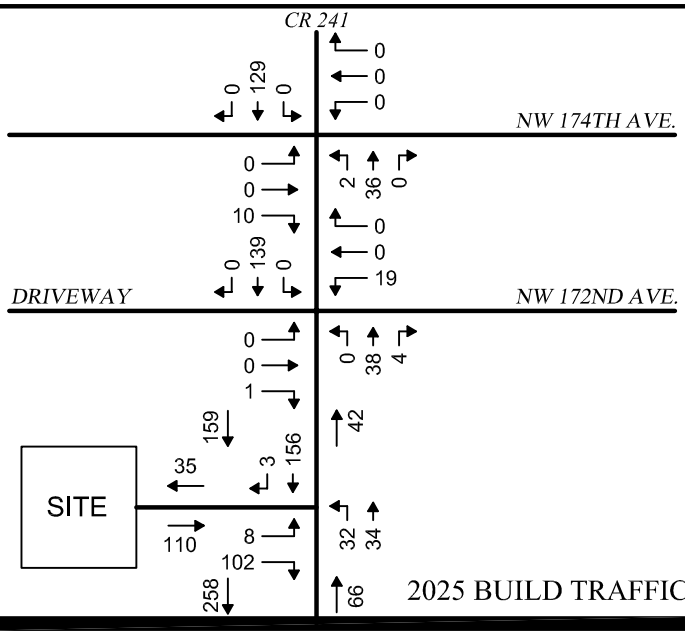
2025 BACKGROUND TRAFFIC
ANNUAL GROWTH RATE = 1% (GF=1.07)



TARA FOREST EAST TRAFFIC



SITE TRAFFIC



2025 BUILD TRAFFIC

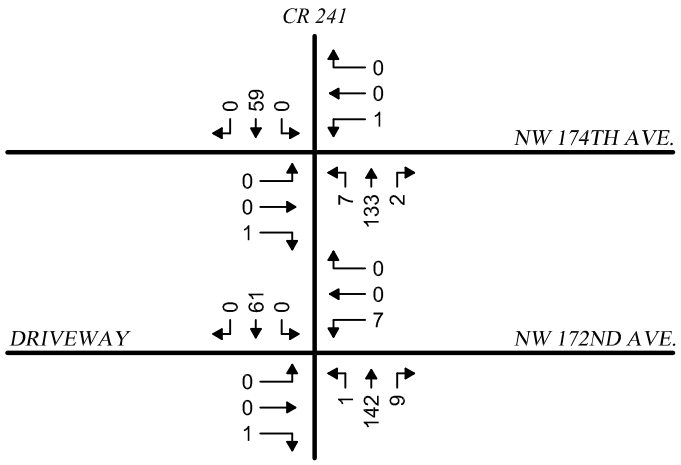
Buckholz Traffic

FIGURE 20

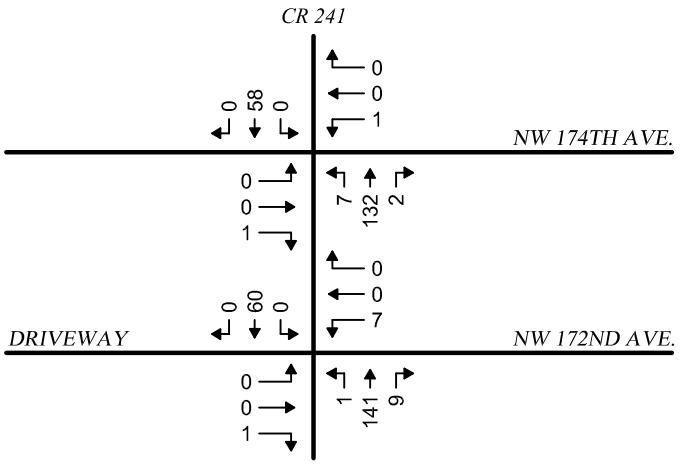
2025 BUILD TRAFFIC
CR 241

WEEKDAY AM PEAK HOUR

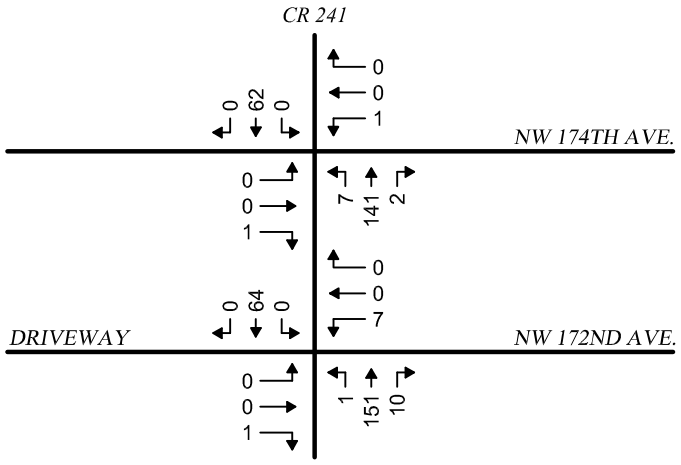
L:\2020\20-1654\CAD-3\FIG 20.dwg Date:09-30-21 T:18:13 By:AVDelacruz



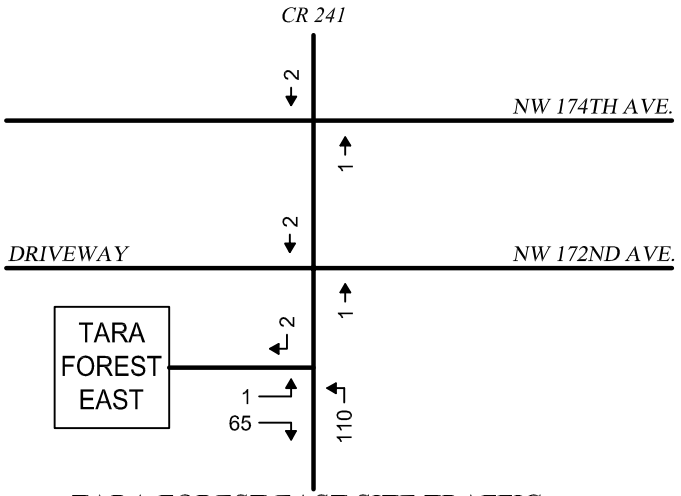
EXISTING TRAFFIC
09/18/18
7:00-8:00 AM



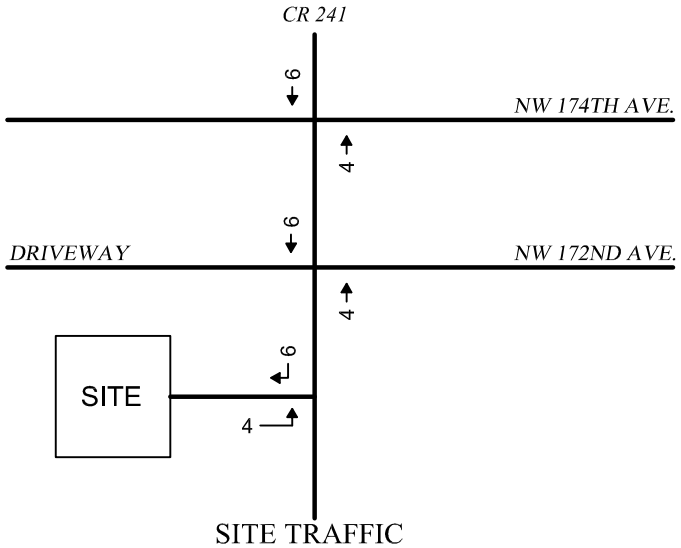
2018 SEASONALLY ADJUSTED TRAFFIC
FDOT SEASONAL CORRECTION FACTOR = 0.99



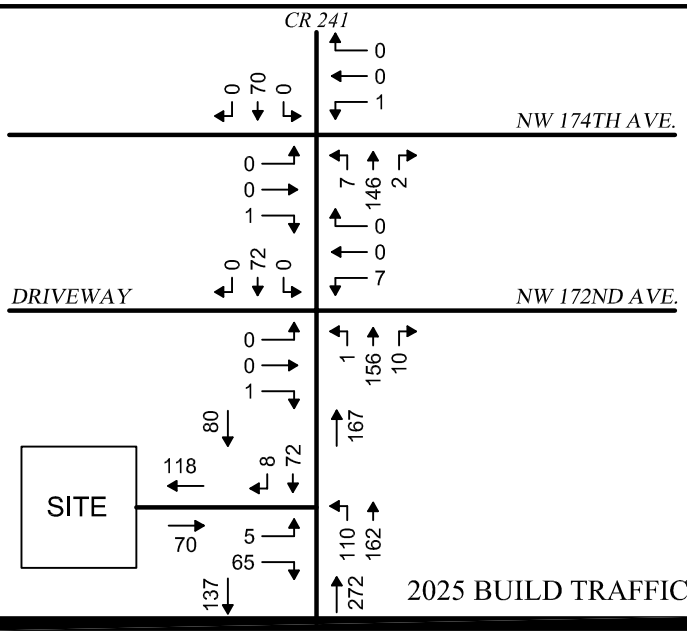
2025 BACKGROUND TRAFFIC
ANNUAL GROWTH RATE = 1% (GF=1.07)



TARA FOREST EAST SITE TRAFFIC



SITE TRAFFIC



2025 BUILD TRAFFIC

Buckholz Traffic

FIGURE 21

2025 BUILD TRAFFIC
CR 241

WEEKDAY PM PEAK HOUR

L:\2020\20-1654\CAD-3\FIG 21.dwg Date:09-30-21 T:18:22 By:AVDelacruz

TABLE 1

TRIP GENERATION CALCULATIONS

SINGLE FAMILY DWELLING UNITS

Land Use Code 210

T = Number of Vehicle Trip Ends

X = Number of Dwelling Units = 539

TIME PERIOD	TRIP GENERATION EQUATION	TOTAL TRIP ENDS	PERCENT ENTERING	PERCENT EXITING	TOTAL TRIP ENDS ENTERING	TOTAL TRIP ENDS EXITING
WEEKDAY						
Daily	Ln(T)=0.92Ln(X)+2.71	4898	50%	50%	2449	2449
AM Peak Hour	T = 0.71 (X) + 4.80	388	25%	75%	97	291
PM Peak Hour	Ln(T)=0.96Ln(X)+0.20	512	63%	37%	323	189

SOURCE: Institute of Transportation Engineers, "Trip Generation", 10th Edition (2017)

TABLE 2

TRIP GENERATION CALCULATIONS

MINI-WAREHOUSE

Land Use Code 151

T = Number of Vehicle Trip Ends

Size of Building = 100,000 gsf (X = 100.0)

TIME PERIOD	TOTAL TRIP GENERATION EQUATION	TOTAL TRIP ENDS	PERCENT ENTERING	PERCENT EXITING	TOTAL TRIP ENDS ENTERING	TOTAL TRIP ENDS EXITING
AVERAGE WEEKDAY						
Daily	T = 1.51 X	152	50%	50%	76	76
AM Peak Hour	T = 0.10 X	10	60%	40%	6	4
PM Peak Hour	T = 0.17 X	17	47%	53%	8	9

SOURCE: Institute of Transportation Engineers, "Trip Generation", 10th Edition (2017)

TABLE 3
TRIP GENERATION CALCULATIONS

SHOPPING CENTER
Land Use Code 820
T = Number of Vehicle Trip Ends
Size of Buildings = 30,000 gsf -----> X 30.0

TIME PERIOD	TRIP GENERATION EQUATION	**TOTAL** TRIP ENDS	PERCENT ENTERING	PERCENT EXITING	**TOTAL** TRIP ENDS ENTERING	**TOTAL** TRIP ENDS EXITING
AVERAGE WEEKDAY						
Daily	Ln(T) = 0.68Ln(X) + 5.57	2652	50%	50%	1326	1326
AM Peak Hour	T = 0.50(X) + 151.78	167	62%	38%	103	64
PM Peak Hour	Ln(T) = 0.74Ln(X) + 2.89	223	48%	52%	107	116

SOURCE: Institute of Transportation Engineers, "Trip Generation", 10th Edition (2017)

	PERCENT PASS-BY TRIPS					
NEW TRIPS	Ln(T) = -0.29Ln(X)+5.00					
	55.3%					
TIME PERIOD	PERCENT NEW TRIPS	**NEW** TRIP ENDS	PERCENT ENTERING	PERCENT EXITING	**NEW** TRIP ENDS ENTERING	**NEW** TRIP ENDS EXITING
AVERAGE WEEKDAY						
Daily	44.7%	1184	50%	50%	592	592
AM Peak Hour	44.7%	74	62%	38%	46	28
PM Peak Hour	44.7%	100	48%	52%	48	52

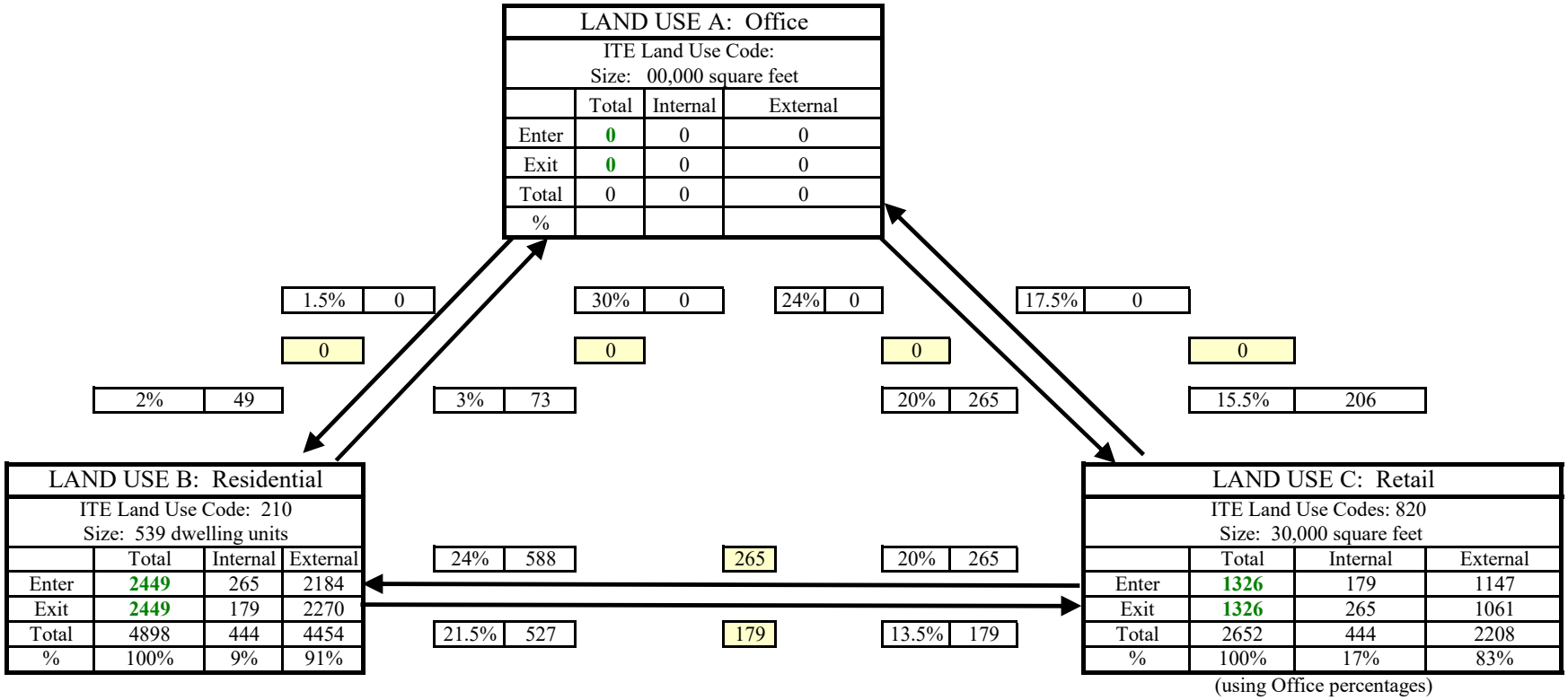
SOURCE: ITE "Trip Generation", 9th Edition, Volume 1, Figure 5.5

BUCKHOLZ TRAFFIC

TABLE 4
MULTI-USE DEVELOPMENT TRIP GENERATION AND INTERNAL CAPTURE SUMMARY

Analyst: J. Buckholz
Date: 9/28/2021

Name of Development: Tara Phoenicia - Phase I
Time Period: Daily



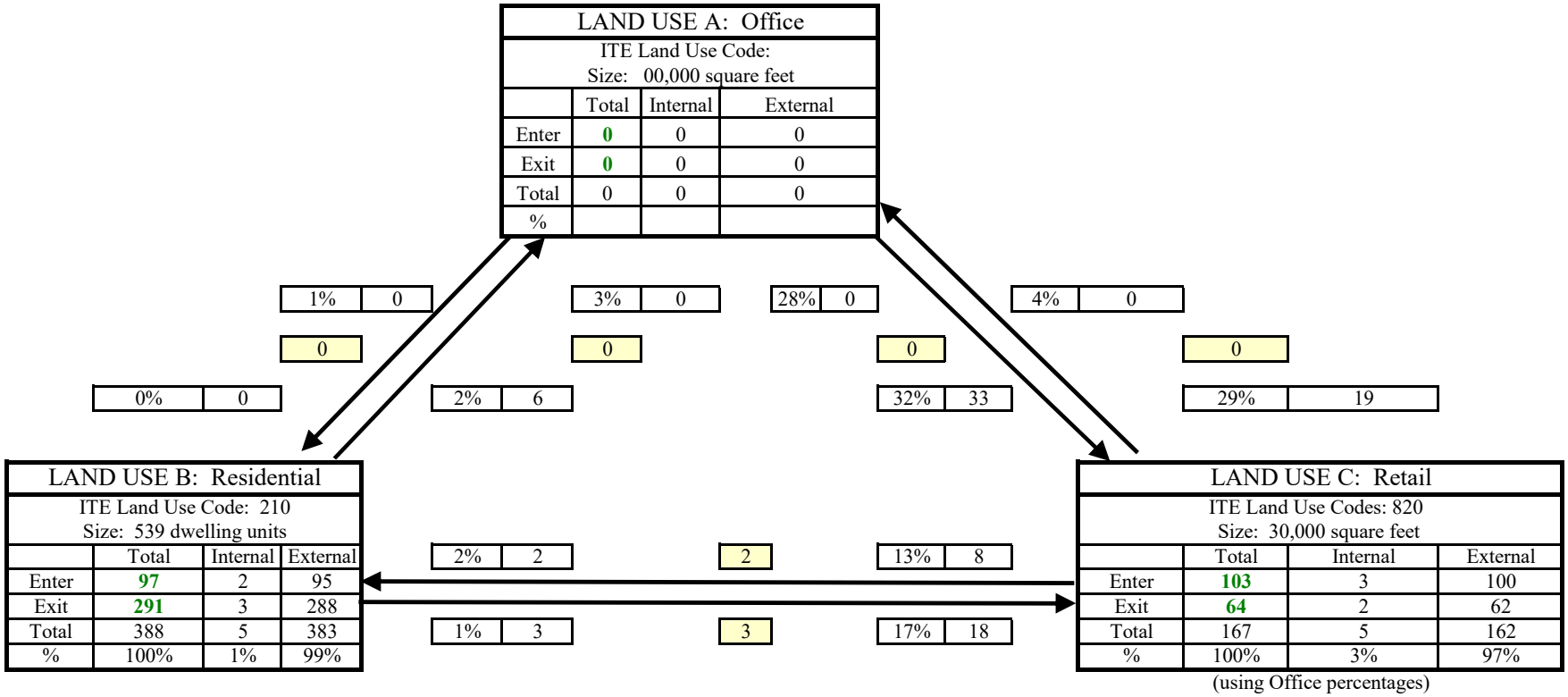
NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT				
	Land Use A	Land Use B	Land Use C	**TOTAL**
Enter	0	2184	1147	3331
Exit	0	2270	1061	3331
Total	0	4454	2208	6662
Single Use Total	0	4898	2652	7550
% Internal		**9%**	**17%**	**12%**

BUCKHOLZ TRAFFIC

TABLE 5
MULTI-USE DEVELOPMENT TRIP GENERATION AND INTERNAL CAPTURE SUMMARY

Analyst: J. Buckholz
Date: 9/28/2021

Name of Development: Tara Phoenicia - Phase I
Time Period: Weekday AM Peak Hour



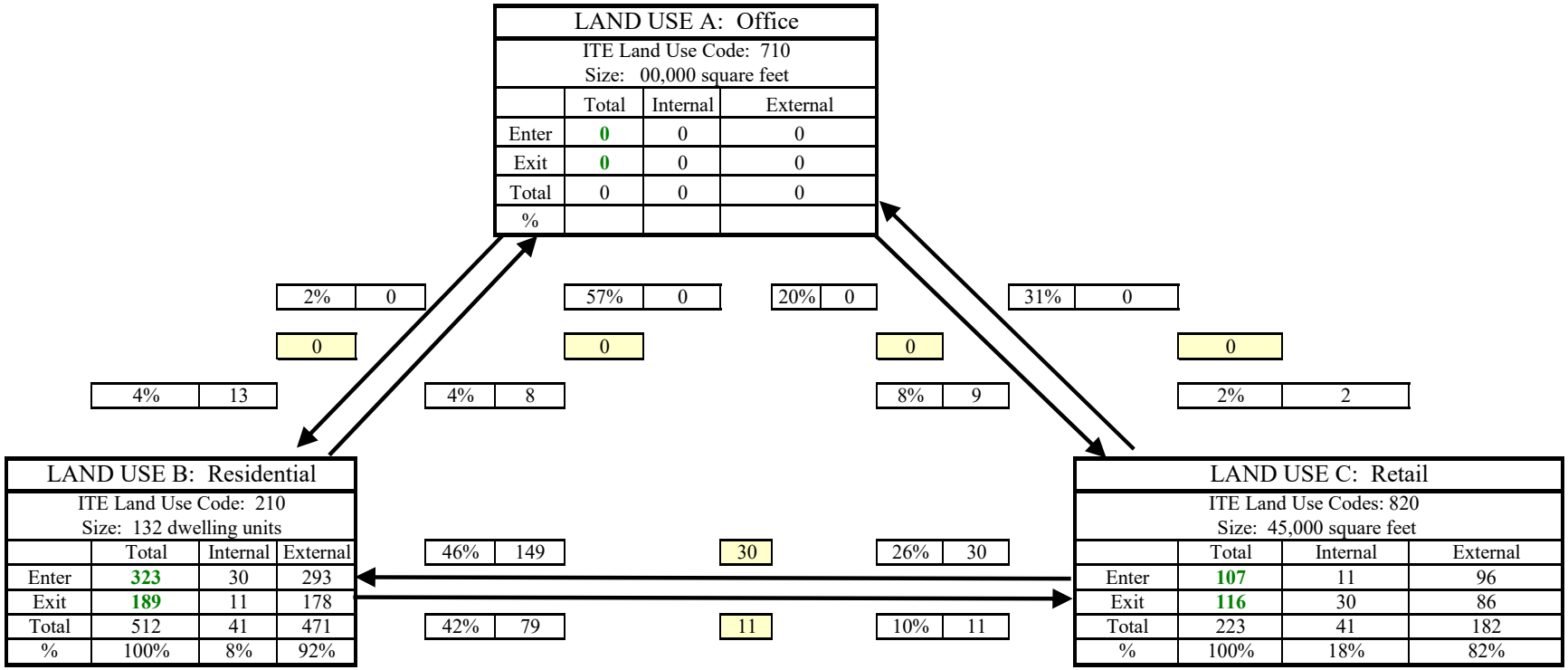
NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT				
	Land Use A	Land Use B	Land Use C	**TOTAL**
Enter	0	95	100	195
Exit	0	288	62	350
Total	0	383	162	545
Single Use Total	0	388	167	555
% Internal		**1%**	**3%**	**2%**

BUCKHOLZ TRAFFIC

TABLE 6
MULTI-USE DEVELOPMENT TRIP GENERATION AND INTERNAL CAPTURE SUMMARY

Analyst: J. Buckholz
Date: 9/28/2021

Name of Development: Tara Phoenicia - Phase I
Time Period: Weekday PM Peak Hour



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT				
	Land Use A	Land Use B	Land Use C	**TOTAL**
Enter	0	293	96	389
Exit	0	178	86	264
Total	0	471	182	653
Single Use Total	0	512	223	735
% Internal		**8%**	**18%**	**11%**

BUCKHOLZ TRAFFIC

TABLE 7
TRIP GENERATION SUMMARY
WEEKDAY

	TARA FOREST WEST	TARA PHOENICIA		
TOTAL TRIPS	Single Family Homes	Mini-Warehouse	Retail	**TOTAL**
ENTER	2449	76	1326	3851
EXIT	2449	76	1326	3851
TOTAL	4898	152	2652	**7702**

EXTERNAL TRIPS		**Estimated**		
% External Trips:	**91.0%**	**60.0%**	**83.0%**	
	Single Family Homes	Mini-Warehouse	Retail	**TOTAL**
ENTER	2229	46	1101	3376
EXIT	2229	46	1101	3376
TOTAL	4458	92	2202	**6752**

NEW EXTERNAL TRIPS				
% New Trips:	**100.0%**	**100.0%**	**44.7%**	
	Single Family Homes	Mini-Warehouse	Retail	**TOTAL**
ENTER	2229	46	492	2767
EXIT	2229	46	492	2767
TOTAL	4458	92	984	**5534**

BUCKHOLZ TRAFFIC

TABLE 8
TRIP GENERATION SUMMARY
WEEKDAY AM PEAK HOUR

	TARA FOREST WEST	TARA PHOENICIA		
TOTAL TRIPS	Single Family Homes	Mini-Warehouse	Retail	**TOTAL**
ENTER	97	6	103	206
EXIT	291	4	64	359
TOTAL	388	10	167	**565**

EXTERNAL TRIPS		Estimated		
% External Trips:	**99.0%**	**60.0%**	**97.0%**	
	Single Family Homes	Mini-Warehouse	Retail	**TOTAL**
ENTER	96	4	100	200
EXIT	288	2	62	352
TOTAL	384	6	162	**552**

NEW EXTERNAL TRIPS				
% New Trips:	**100.0%**	**100.0%**	**44.7%**	
	Single Family Homes	Mini-Warehouse	Retail	**TOTAL**
ENTER	96	4	45	145
EXIT	288	2	28	318
TOTAL	384	6	73	**463**

BUCKHOLZ TRAFFIC

TABLE 9
TRIP GENERATION SUMMARY
WEEKDAY PM PEAK HOUR

	TARA FOREST WEST	TARA PHOENICIA		
TOTAL TRIPS	Single Family Homes	Mini-Warehouse	Retail	**TOTAL**
ENTER	323	8	107	438
EXIT	189	9	116	314
TOTAL	512	17	223	**752**

EXTERNAL TRIPS		Estimated		
% External Trips:	**92.0%**	**60.0%**	**82.0%**	
	Single Family Homes	Mini-Warehouse	Retail	**TOTAL**
ENTER	297	5	88	390
EXIT	174	5	95	274
TOTAL	471	10	183	**664**

NEW EXTERNAL TRIPS				
% New Trips:	**100.0%**	**100.0%**	**44.7%**	
	Single Family Homes	Mini-Warehouse	Retail	**TOTAL**
ENTER	297	5	39	341
EXIT	174	5	42	221
TOTAL	471	10	81	**562**

BUCKHOLZ TRAFFIC

TABLE 10
UNSIGNALIZED INTERSECTION CAPACITY RESULTS

US 441 / EAST SITE DRIVEWAY

WEEKDAY AM PEAK HOUR

2025 BUILD CONDITIONS				
Movement	LOS	Delay	v/c Ratio	95th % Queue (vehicles)
Eastbound Left Turn	B	12.2 sec/veh	0.22	1
Southbound Right Turn	D	27.0 sec/veh	0.64	**4.4**

WEEKDAY PM PEAK HOUR

2025 BUILD CONDITIONS				
Movement	LOS	Delay	v/c Ratio	95th % Queue (vehicles)
Eastbound Left Turn	**E**	42.8 sec/veh	0.80	**7.0**
Southbound Right Turn	C	20.8 sec/veh	0.48	2.6

TABLE 11
UNSIGNALIZED INTERSECTION CAPACITY RESULTS

CR 241 / TARA FOREST EAST DRIVEWAY

WEEKDAY AM PEAK HOUR

2025 BUILD CONDITIONS				
Movement	LOS	Delay	v/c Ratio	95th % Queue (vehicles)
Northbound Left Turn	A	7.6 sec/veh	0.02	1
Eastbound Left Turn	B	10.1 sec/veh	0.01	1
Eastbound Right Turn	A	9.6 sec/veh	0.12	1

WEEKDAY PM PEAK HOUR

2025 BUILD CONDITIONS				
Movement	LOS	Delay	v/c Ratio	95th % Queue (vehicles)
Northbound Left Turn	A	7.6 sec/veh	0.08	1
Eastbound Left Turn	B	12.5 sec/veh	0.01	1
Eastbound Right Turn	A	9.0 sec/veh	0.07	1

TABLE 12
SUMMARY OF SIGNALIZED INTERSECTION CAPACITY RESULTS

US 441 / I-75 WEST RAMPS

	EXISTING CONDITIONS				
	Highest v/c Ratio	Highest Queue Storage Ratio	Worst Movement Delay & LOS	Intersection Delay & LOS	Cycle Length (Coordinated)
AM PEAK HOUR	0.79 NBT	0.62 SBRT	SBRT 75.3 sec/veh **LOS E**	14.1 sec/veh LOS B	130 sec
PM PEAK HOUR	0.80 NBT	**3.70** NBRT **1.29** NBLT	SBRT 86.3 sec/veh **LOS F**	18.7 sec/veh LOS B	160 sec

	2025 NO BUILD CONDITIONS				
	Highest v/c Ratio	Highest Queue Storage Ratio	Worst Movement Delay & LOS	Intersection Delay & LOS	Cycle Length (Coordinated)
AM PEAK HOUR	0.78 EBT	0.66 SBRT	SBRT 71.3 sec/veh **LOS E**	15.5 sec/veh LOS B	130 sec
PM PEAK HOUR	0.91 EBT	**3.10** NBRT **1.15** NBLT	WBT 55.9 sec/veh **LOS F**	56.1 sec/veh **LOS E**	160 sec

	2025 BUILD CONDITIONS				
	Highest v/c Ratio	Highest Queue Storage Ratio	Worst Movement Delay & LOS	Intersection Delay & LOS	Cycle Length (Coordinated)
AM PEAK HOUR	0.83 EBRT	0.78 SBT	SBLT 66.1 sec/veh **LOS E**	17.7 sec/veh LOS B	130 sec
PM PEAK HOUR	0.99 EBT	**3.10** NBRT **1.15** NBLT	WBT 61.7 sec/veh **LOS F**	64.8 sec/veh **LOS E**	160 sec

TABLE 13
SUMMARY OF SIGNALIZED INTERSECTION CAPACITY RESULTS

US 441 / I-75 EAST RAMPS

	EXISTING CONDITIONS				
	Highest v/c Ratio	Highest Queue Storage Ratio	Worst Movement Delay & LOS	Intersection Delay & LOS	Cycle Length (Coordinated)
AM PEAK HOUR	0.89 EBT	0.33 EBLT	NBT 77.1 sec/veh **LOS E**	24.4 sec/veh LOS C	130 sec
PM PEAK HOUR	0.87 SBRT	0.26 EBLT	NBT 88.1 sec/veh **LOS F**	29.6 sec/veh LOS C	160 sec

	2025 NO BUILD CONDITIONS				
	Highest v/c Ratio	Highest Queue Storage Ratio	Worst Movement Delay & LOS	Intersection Delay & LOS	Cycle Length (Coordinated)
AM PEAK HOUR	**1.01** EBT	0.40 EBLT	EBRT 45.4 sec/veh **LOS F**	36.3 sec/veh LOS D	130 sec
PM PEAK HOUR	**1.07** WBT	0.65 EBLT	WBT 76.0 sec/veh **LOS F**	73.0 sec/veh **LOS E**	160 sec

	2025 BUILD CONDITIONS				
	Highest v/c Ratio	Highest Queue Storage Ratio	Worst Movement Delay & LOS	Intersection Delay & LOS	Cycle Length (Coordinated)
AM PEAK HOUR	**1.08** EBT	0.39 EBLT	EBRT 77.8 sec/veh **LOS F**	52.8 sec/veh LOS D	130 sec
PM PEAK HOUR	**1.16** WBT	0.57 EBLT	EBRT 115.4 sec/veh **LOS F**	104.8 sec/veh **LOS F**	160 sec

TABLE 14
SUMMARY OF SIGNALIZED INTERSECTION CAPACITY RESULTS

US 441 / NW 147TH DRIVE

	EXISTING CONDITIONS				
	Highest v/c Ratio	Highest Queue Storage Ratio	Worst Movement Delay & LOS	Intersection Delay & LOS	Cycle Length (Coordinated)
AM PEAK HOUR	0.79 NBT	0.98 NBLT	SBRT 72.0 sec/veh **LOS E**	11.9 sec/veh LOS B	130 sec
PM PEAK HOUR	0.83 SBRT	**1.85** NBLT	SBRT 84.7 sec/veh **LOS F**	18.0 sec/veh LOS B	160 sec

	2025 NO BUILD CONDITIONS – WITH SOUTHBOUND RIGHT TURN OVERLAP PHASE				
	Highest v/c Ratio	Highest Queue Storage Ratio	Worst Movement Delay & LOS	Intersection Delay & LOS	Cycle Length (Coordinated)
AM PEAK HOUR	0.64 NBT	**1.08** NBLT	NBT 61.6 sec/veh **LOS E**	11.6 sec/veh LOS B	130 sec
PM PEAK HOUR	0.72 WBT	**2.00** NBLT	SBRT 70.1 sec/veh **LOS E**	19.6 sec/veh LOS B	160 sec

	2025 BUILD CONDITIONS – WITH SPLIT PHASE & RIGHT TURN OVERLAPS				
	Highest v/c Ratio	Highest Queue Storage Ratio	Worst Movement Delay & LOS	Intersection Delay & LOS	Cycle Length (Coordinated)
AM PEAK HOUR	0.81 NBT	0.93 SBLT	NBT 66.7 sec/veh **LOS E**	21.4 sec/veh LOS C	130 sec
PM PEAK HOUR	0.89 NBT	0.88 SBLT	NBT 75.5 sec/veh **LOS E**	32.4 sec/veh LOS C	160 sec

TABLE 15
SUMMARY OF SIGNALIZED INTERSECTION CAPACITY RESULTS

US 441 / NW 140TH STREET

	EXISTING CONDITIONS				
	Highest v/c Ratio	Highest Queue Storage Ratio	Worst Movement Delay & LOS	Intersection Delay & LOS	Cycle Length (Coordinated)
AM PEAK HOUR	0.87 SBT	**1.06** SBLT **1.02** NBLT	SBT 75.3 sec/veh **LOS E**	36.7 sec/veh LOS D	130 sec
PM PEAK HOUR	0.84 SBT	**1.55** NBLT **1.10** WBLT	WBT 85.0 sec/veh **LOS F**	42.3 sec/veh LOS D	160 sec

	2025 NO BUILD CONDITIONS – WITH 300 FOOT LEFT TURN LANES				
	Highest v/c Ratio	Highest Queue Storage Ratio	Worst Movement Delay & LOS	Intersection Delay & LOS	Cycle Length (Coordinated)
AM PEAK HOUR	0.96 EBT	0.55 SBLT	EBT 59.2 sec/veh **LOS E**	47.2 sec/veh LOS D	130 sec
PM PEAK HOUR	**1.03** EBLT	**1.43** EBLT	EBLT **2.1 min/veh LOS F** SBT 84.8 sec/veh **LOS F**	58.8 sec/veh **LOS E**	160 sec

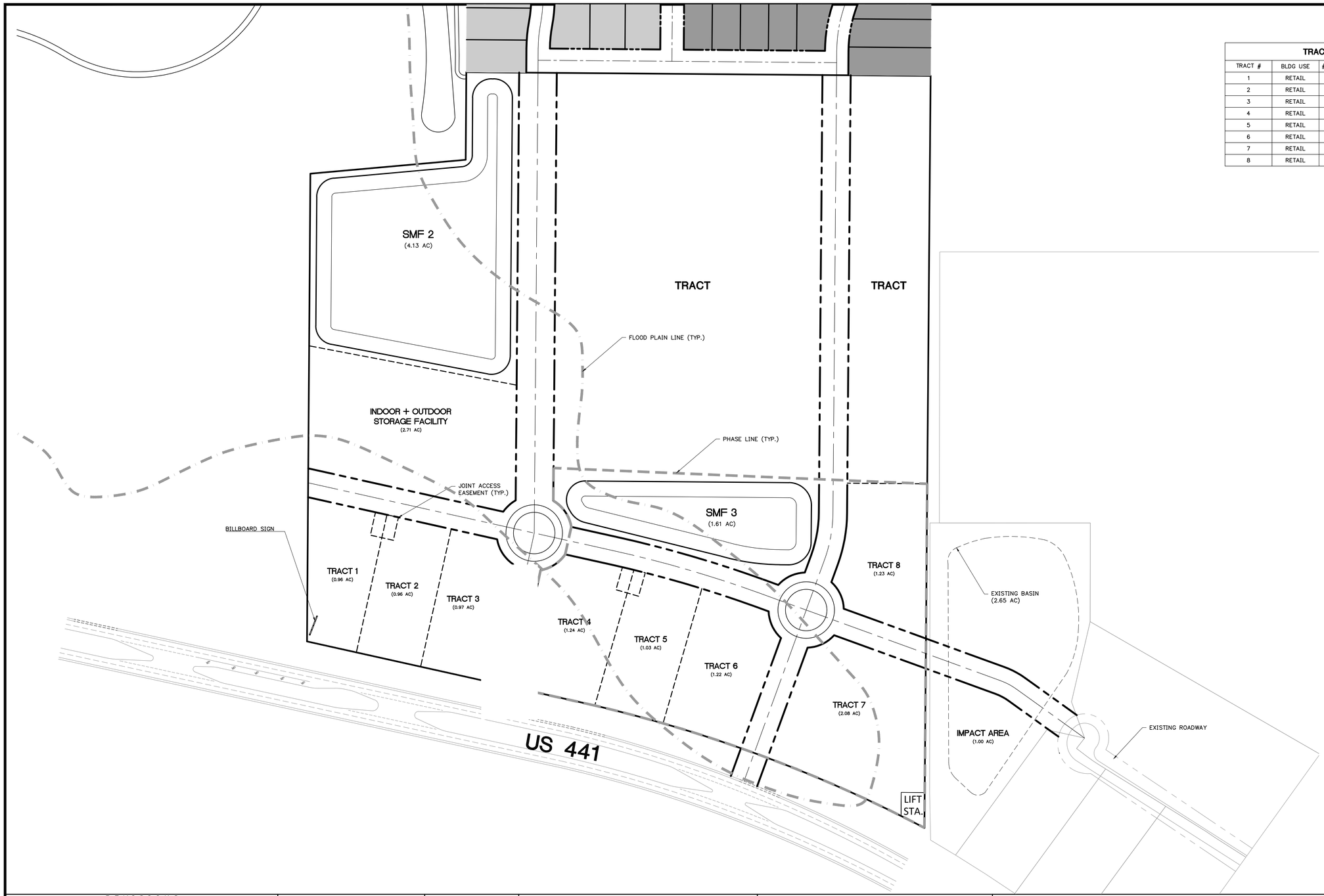
	2025 BUILD CONDITIONS – WITH 300 FOOT LEFT TURN LANES				
	Highest v/c Ratio	Highest Queue Storage Ratio	Worst Movement Delay & LOS	Intersection Delay & LOS	Cycle Length (Coordinated)
AM PEAK HOUR	**1.07** EBT	0.71 SBLT	WBLT 136.4 sec/veh **LOS F** SBT 92.0 sec/veh **LOS F** EBT 84.5 sec/veh **LOS F**	69.0 sec/veh **LOS E**	130 sec
PM PEAK HOUR	**1.87** EBLT **1.01** WBT/RT **1.02** SBT/RT	**2.37** EBLT **1.51** NBLT	EBLT **8.1 min/veh LOS F** SBT 117.1 sec/veh **LOS F** NBLT 114.6 sec/veh **LOS F** NBT 97.6 sec/veh **LOS F** WBT 80.4 sec/veh **LOS F**	88.3 sec/veh **LOS F**	160 sec

APPENDIX A

SITE PLAN



TRACTS			
TRACT #	BLDG USE	# OF STORIES	BLDG TYPE
1	RETAIL	1	COMMERCIAL
2	RETAIL	1	COMMERCIAL
3	RETAIL	1	COMMERCIAL
4	RETAIL	1	COMMERCIAL
5	RETAIL	1	COMMERCIAL
6	RETAIL	1	COMMERCIAL
7	RETAIL	1	COMMERCIAL
8	RETAIL	1	COMMERCIAL



REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: A. J. "JAY" BROWN, JR., P.E. FLORIDA LICENSE NO. 43879

PRELIMINARY NOT FOR CONSTRUCTION

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JBrown Professional Group Inc
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Fla. Board of Professional Engineers CA No. 30495

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E-MAIL: contact@jbprogroup.com

SHEET TITLE: **CONCEPTUAL LAYOUT - OPTION #14**

DATE: MARCH 2021

PROJECT NO: 398-19-02

CLIENT: **TARA FOREST**
ALACHUA, FLORIDA

PROJECT: **TARA PHOENICIA**
MIXED-USE DEVELOPMENT

SHEET NO: **CL-14**

TARA FOREST WEST

SITUATED IN
SECTIONS 03, 04, AND 10, TOWNSHIP 08 SOUTH, RANGE 18 EAST,
CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA
NOT FOR FINAL RECORDING

Plat Book ___ , Page ___
Sheet Two of Ten

NOTICE:
THIS PLAT, AS RECORDED IN ITS GRAPHIC FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

BUILDING SETBACK REQUIREMENTS

MINIMUM REQUIREMENT UNLESS OTHERWISE ILLUSTRATED
AS PER THE APPROVED PLANNED DEVELOPMENT AMENDMENT
PRIMARY BUILDING:
FRONT = 20 FEET
SIDE = 7.5 FEET
REAR = 15 FEET

ABBREVIATIONS

Δ = DELTA
CHB = CHORD BEARING
CHL = CHORD LENGTH
ID = IDENTIFICATION
JBPRO = JBROWN PROFESSIONAL GROUP
L = ARC LENGTH
NTS = NOT TO SCALE
P.B. = PLAT BOOK
R = RADIUS
R/W = RIGHT-OF-WAY
P.U.E. = PUBLIC UTILITY EASEMENT
P.O.B. = POINT OF BEGINNING
SQ. FT. = SQUARE FEET

200 100 0 200 400 600
SCALE 1" = 200'

SYMBOL LEGEND

BOUNDARY LINE (PLAT)
BOUNDARY LINE (LOT)
RIGHT-OF-WAY LINE
EASEMENT LINE
CL RIGHT-OF-WAY LINE
4"x 4" CONCRETE MONUMNENT FOUND AS NOTED
4"X4" CONCRETE MONUMENT TO BE SET "PRM PCP LB8031"
NAIL AND DISK "JBPRO PCP LB 8031" TO BE SET
5/8" CAPPED IRON ROD "JBPRO PRM LB 8031" TO BE SET
BENCHMARK

I-75
EAST R/W OF APRIL BLVD
SECTION 9
SECTION 10
SECTION 4
SECTION 3
UNPLATTED LANDS OF TARA FOREST LLC A PORTION OF TAX PARCEL 03067-001-000 152.04 ACRES±
LANDS OF TARA FOREST LLC TAX PARCEL 03020-000-000 152.04 ACRES±
UNPLATTED LANDS OF MRVZ PARK INVESTORS LLC TAX PARCEL 03015-004-000 36.19 ACRES±
UNPLATTED LANDS OF SPENCER & SPENCER TRUSTEES TAX PARCEL 03015-001-000 13.07 ACRES±
N00°35'24"E 343.82'
S00°35'18"W 660.64'
FEMA FLOOD PLAIN LIMIT
S11°45'36"E 2150.78'
S11°52'53"E 1857.78'
COMMON AREA 1 DRAINAGE EASEMENT OPEN SPACE 4.26 ACRES±
COMMON AREA 2 DRAINAGE EASEMENT OPEN SPACE 4.26 ACRES±
COMMON AREA 3 OPEN SPACE 4.26 ACRES±
MARCH ACRES LOT 1 P.B. R, PG. 34 TAX PARCEL 03014-004-001 5.00 ACRES±
MARCH ACRES LOT 2 P.B. R, PG. 34 TAX PARCEL 03014-004-002 5.00 ACRES±
MARCH ACRES LOT 3 P.B. R, PG. 34 TAX PARCEL 03014-004-003 5.00 ACRES±
MARCH ACRES LOT 4 P.B. R, PG. 34 TAX PARCEL 03014-004-004 5.00 ACRES±
UNPLATTED LANDS OF TARA FOREST LLC TAX PARCEL 03067-001-000 152.04 ACRES±
LANDS OF NATIONAL SPELEOLOGICAL SOCIETY INC. TAX PARCEL 03066-002-001
S00°01'49"W 575.38'
N89°30'20"E 330.46'
N00° 01' 19"W 187.15'
S89°57'58"E 988.73'
UNPLATTED LANDS A PORTION OF TAX PARCEL 03067-001-000
N00°04'47"E 3879.44'
UNPLATTED LANDS OF TARA BAYWOOD LLC TAX PARCEL 03067-063-000 35.32 ACRES±
UNPLATTED LANDS OF TARA FOREST LLC TAX PARCEL 03067-000-000 11.57 ACRES±
UNPLATTED LANDS OF TARA FOREST LLC TAX PARCEL 03067-005-000 100.00 ACRES±
N00°11'40"W 1319.75'
S88°15'55"W 1394.59'
ROAD A
ROAD B
ROAD C
ROAD D
ROAD E
ROAD F
ROAD G
ROAD H
ROAD J
ROAD K
ROAD L
ROAD M
ROAD N
ROAD O
ROAD P
ROAD Q
ROAD R
ROAD S
ROAD T
ROAD U
DOGWOOD ACRES – LOT 12A BEING A REPLAT OF LOT 12A OF DOGWOOD ACRES – 1ST ADDITION REPLAT AS RECORDED IN PLAT BOOK 22, PAGE 73 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, TOGETHER WITH A 30 FOOT STRIP ADJACENT TO THE WEST LINE OF LOT 12A REPLAT OF LOT 12A TAX PARCEL 03013-020-012 3.93 ACRES±
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 11B T.P.03013-020-018
DOGWOOD ACRES P.B. Q, PG. 38 LOT 10 TAX PARCEL 03013-010-010 6.94 ACRES±
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 11A TAX PARCEL 03013-020-011
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 12B TAX PARCEL 03013-020-019
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 10 TAX PARCEL 03013-020-010
DOGWOOD ACRES P.B. Q, PG. 38 LOT 9 TAX PARCEL 03013-010-009 6.94 ACRES±
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 9 TAX PARCEL 03013-020-009
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 13A TAX PARCEL 03013-020-013
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 8 TAX PARCEL 03013-020-008
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 13B TAX PARCEL 03013-020-020
DOGWOOD ACRES 1ST ADDITION REPLAT P.B. 22, PG. 73 LOT 7 TAX PARCEL 03013-020-007
DOGWOOD ACRES P.B. Q, PG. 38 LOT 8 TAX PARCEL 03013-010-008
UNPLATTED LANDS OF SPENCER JR & SPENCER TRUSTEES TAX PARCEL 03013-000-000 0.51 ACRES±
UNPLATTED LANDS OF BELLAMY VALLEY RANCH LLC TAX PARCEL 03014-010-006 56.69 ACRES±

<ADDRESS/LOCATION>

JBPro
CIVIL ENGINEERING | LAND PLANNING
SURVEYING | CONSTRUCTION SERVICES
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4709 US-1 S, Suite 1 | St. Augustine, Florida 32086
Gainesville: (352) 376-6999 | St. Augustine: (904) 700-0999
Toll Free: (800) 226-1450 | E-mail: execmail@jbpro.com

APPENDIX B

TURNING MOVEMENT COUNTS



TABLE B-1
US 441, West of I-75
MANUAL TURNING MOVEMENT COUNTS

Thursday, January 7, 2021

	Park-And-Ride Driveway		Southbound I-75	
	Right Turn In	Right Turn Out	**Eastbound On-Ramp**	All
6:30-6:45 AM	0	0	129	129
6:45-7:00 AM	1	0	122	123
7:00-7:15 AM	1	1	161	163
7:15-7:30 AM	**0**	**0**	**170**	**170**
7:30-7:45 AM	**1**	**0**	**210**	**211**
7:45-8:00 AM	**0**	**0**	**177**	**177**
8:00-8:15 AM	**0**	**0**	**141**	**141**
8:15-8:30 AM	0	0	116	116
AM PEAK PERIOD:	**3**	**1**	**1226**	**1230**
AM PEAK HOUR: 7:15-8:15 AM	**1**	**0**	**698**	**699**

Tuesday, January 5, 2021

	Park-And-Ride Driveway		Southbound I-75	
	Right Turn In	Right Turn Out	**Eastbound On-Ramp**	All
3:45-4:00 PM	0	0	42	42
4:00-4:15 PM	0	0	53	53
4:15-4:30 PM	2	0	70	72
4:30-4:45 PM	**0**	**2**	**89**	**91**
4:45-5:00 PM	**0**	**0**	**59**	**59**
5:00-5:15 PM	**0**	**0**	**66**	**66**
5:15-5:30 PM	**2**	**3**	**59**	**64**
5:30-5:45 PM	0	0	70	70
AM PEAK PERIOD:	**4**	**5**	**508**	**517**
PM PEAK HOUR: 4:30-5:30 PM	**2**	**5**	**273**	**280**

BUCKHOLZ TRAFFIC

TABLE B2

US 441 / APRIL BOULEVARD / QUALITY INN WEST DRIVEWAY
MANUAL TURNING MOVEMENT COUNT

Friday, December 18, 2020

	April Boulevard						US 441		Quality Inn West Driveway			
	Right Turn In	Straight In	Left Turn In	Right Turn Out	Straight Out	Left Turn Out	EB U-Turn	WB U-Turn	Right Turn In	Left Turn In	Right Turn Out	Left Turn Out
6:30-6:45 AM	2	0	1	1	0	0	0	0	1	0	0	0
6:45-7:00 AM	1	0	2	3	0	1	0	0	2	0	2	0
7:00-7:15 AM	1	0	1	5	0	7	0	0	2	0	2	2
7:15-7:30 AM	2	0	3	3	0	2	0	0	3	0	2	0
7:30-7:45 AM	**1**	**0**	**1**	**4**	**0**	**1**	**0**	**0**	**4**	**0**	**3**	**0**
7:45-8:00 AM	**1**	**0**	**2**	**3**	**0**	**2**	**0**	**0**	**3**	**0**	**3**	**1**
8:00-8:15 AM	**3**	**0**	**2**	**8**	**0**	**2**	**0**	**0**	**5**	**0**	**4**	**0**
8:15-8:30 AM	**1**	**0**	**2**	**3**	**0**	**4**	**0**	**0**	**5**	**0**	**8**	**0**
AM PEAK PERIOD:	**12**	**0**	**14**	**30**	**0**	**19**	**0**	**0**	**25**	**0**	**24**	**3**
AM PEAK HOUR:	**6**	**0**	**7**	**18**	**0**	**9**	**0**	**0**	**17**	**0**	**18**	**1**

Monday, December 14, 2020

	April Boulevard						US 441		Quality Inn West Driveway			
	Right Turn In	Straight In	Left Turn In	Right Turn Out	Straight Out	Left Turn Out	EB U-Turn	WB U-Turn	Right Turn In	Left Turn In	Right Turn Out	Left Turn Out
3:45-4:00 PM	3	0	5	2	0	1	3	0	0	0	0	0
4:00-4:15 PM	6	0	4	3	0	1	0	0	1	0	1	1
4:15-4:30 PM	1	0	9	1	0	3	2	0	1	0	0	0
4:30-4:45 PM	1	0	4	5	0	8	7	0	0	0	0	0
4:45-5:00 PM	**1**	**0**	**7**	**1**	**0**	**1**	**5**	**0**	**2**	**0**	**0**	**1**
5:00-5:15 PM	**6**	**0**	**5**	**4**	**0**	**3**	**3**	**0**	**1**	**0**	**0**	**0**
5:15-5:30 PM	**6**	**0**	**8**	**4**	**0**	**3**	**6**	**0**	**1**	**0**	**2**	**0**
5:30-5:45 PM	**0**	**0**	**10**	**1**	**0**	**4**	**1**	**0**	**1**	**0**	**3**	**0**
AM PEAK PERIOD:	**24**	**0**	**52**	**21**	**0**	**24**	**27**	**0**	**7**	**0**	**6**	**2**
PM PEAK HOUR:	**13**	**0**	**30**	**10**	**0**	**11**	**15**	**0**	**5**	**0**	**5**	**1**

BUCKHOLZ TRAFFIC

TABLE B3

US 441 / RESTAURANT DRIVEWAYS / QUALITY INN EAST DRIVEWAY
MANUAL TURNING MOVEMENT COUNT

Friday, December 18, 2020

	Restaurant Driveways						US 441		Quality Inn East Driveway			
	Right Turn In	Straight In	Left Turn In	Right Turn Out	Straight Out	Left Turn Out	EB U-Turn	WB U-Turn	Right Turn In	Left Turn In	Right Turn Out	Left Turn Out
6:30-6:45 AM	0	0	0	0	0	0	0	0	0	0	0	1
6:45-7:00 AM	1	0	1	0	0	0	0	0	0	0	0	1
7:00-7:15 AM	0	0	0	0	0	0	1	0	0	0	0	0
7:15-7:30 AM	0	0	0	0	0	0	1	0	0	0	0	3
7:30-7:45 AM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**2**
7:45-8:00 AM	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**2**	**0**
8:00-8:15 AM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**
8:15-8:30 AM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**1**
AM PEAK PERIOD:	**1**	**0**	**2**	**0**	**0**	**0**	**2**	**0**	**3**	**0**	**4**	**10**
AM PEAK HOUR:	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**4**	**5**

Monday, December 14, 2020

	Restaurant Driveways						US 441		Quality Inn East Driveway			
	Right Turn In	Straight In	Left Turn In	Right Turn Out	Straight Out	Left Turn Out	EB U-Turn	WB U-Turn	Right Turn In	Left Turn In	Right Turn Out	Left Turn Out
3:45-4:00 PM	3	1	1	1	0	1	0	0	0	3	1	0
4:00-4:15 PM	2	0	0	2	0	0	0	0	0	2	1	0
4:15-4:30 PM	5	0	3	2	0	3	2	0	1	3	3	1
4:30-4:45 PM	2	1	2	5	0	3	1	0	1	0	4	2
4:45-5:00 PM	**8**	**0**	**3**	**8**	**0**	**1**	**0**	**0**	**2**	**1**	**1**	**0**
5:00-5:15 PM	**6**	**0**	**1**	**4**	**0**	**1**	**1**	**0**	**1**	**4**	**2**	**0**
5:15-5:30 PM	**6**	**0**	**4**	**4**	**0**	**1**	**1**	**0**	**1**	**3**	**3**	**1**
5:30-5:45 PM	**8**	**0**	**3**	**10**	**0**	**4**	**0**	**0**	**2**	**0**	**1**	**1**
AM PEAK PERIOD:	**40**	**2**	**17**	**36**	**0**	**14**	**5**	**0**	**8**	**16**	**16**	**5**
PM PEAK HOUR:	**28**	**0**	**11**	**26**	**0**	**7**	**2**	**0**	**6**	**8**	**7**	**2**

AM PEAK PERIOD

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: THURSDAY
DATE: 01/07/21
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY):06:30 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 @ I-75 RAMPS/WENDY'S DRIVEWAY
ALACHUA COUNTY, FLORIDA

Site Code : 77733377
Start Date: 01/07/21
File I.D. : 010721AM
Page : 1

AUTOMOBILES, COMMERCIAL VEHICLES

	I-75 RAMPS From North				US 441 From East				WENDY'S DRIVEWAY From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 01/07/21																	
06:30	40	6	14	0	9	82	20	2	0	0	10	0	0	322	8	0	513
06:45	27	1	11	0	2	105	27	3	2	0	16	0	0	272	14	0	480
07:00	28	3	14	0	9	117	47	1	4	0	18	0	0	348	10	0	599
07:15	36	2	15	0	5	124	40	5	5	0	24	0	0	413	21	0	690
Hr Total	131	12	54	0	25	428	134	11	11	0	68	0	0	1355	53	0	2282
07:30	34	3	15	0	13	151	61	0	3	0	20	0	0	457	14	0	771
07:45	37	0	14	0	11	191	32	6	5	0	20	0	0	370	15	0	701
08:00	31	5	17	0	5	189	38	5	0	0	19	0	0	316	8	0	633
08:15	36	2	16	0	10	174	41	3	3	0	12	0	0	286	8	0	591
Hr Total	138	10	62	0	39	705	172	14	11	0	71	0	0	1429	45	0	2696
TOTAL	269	22	116	0	64	1133	306	25	22	0	139	0	0	2784	98	0	4978

Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 01/07/21

Peak start	07:15				07:15				07:15				07:15				
Volume	138	10	61	0	34	655	171	16	13	0	83	0	0	1556	58	0	
Percent	66%	5%	29%	0%	4%	75%	20%	2%	14%	0%	86%	0%	0%	96%	4%	0%	
Pk total	209				876				96				1614				
Highest	07:15				07:45				07:15				07:30				
Volume	36	2	15	0	11	191	32	6	5	0	24	0	0	457	14	0	
Hi total	53				240				29				471				
PHF	.99				.91				.83				.86				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: THURSDAY
DATE: 01/07/21
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY):06:30 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 @ I-75 RAMPS/WENDY'S DRIVEWAY
ALACHUA COUNTY, FLORIDA

Site Code : 77733377
Start Date: 01/07/21
File I.D. : 010721AM
Page : 1

AUTOMOBILES

	I-75 RAMPS From North				US 441 From East				WENDY'S DRIVEWAY From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 01/07/21																	
06:30	40	6	10	0	7	73	18	2	0	0	10	0	0	301	8	0	475
06:45	27	1	9	0	2	94	26	3	2	0	14	0	0	257	14	0	449
07:00	27	3	7	0	9	106	44	1	4	0	17	0	0	329	10	0	557
07:15	31	1	8	0	5	109	39	5	5	0	23	0	0	395	20	0	641
Hr Total	125	11	34	0	23	382	127	11	11	0	64	0	0	1282	52	0	2122
07:30	32	3	9	0	13	137	61	0	2	0	20	0	0	443	13	0	733
07:45	30	0	8	0	11	171	30	6	5	0	17	0	0	348	13	0	639
08:00	28	5	11	0	5	169	36	5	0	0	18	0	0	291	8	0	576
08:15	32	2	9	0	8	149	37	3	2	0	11	0	0	264	7	0	524
Hr Total	122	10	37	0	37	626	164	14	9	0	66	0	0	1346	41	0	2472
TOTAL	247	21	71	0	60	1008	291	25	20	0	130	0	0	2628	93	0	4594

Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 01/07/21

Peak start	07:15				07:15				07:15				07:15				
Volume	121	9	36	0	34	586	166	16	12	0	78	0	0	1477	54	0	
Percent	73%	5%	22%	0%	4%	73%	21%	2%	13%	0%	87%	0%	0%	96%	4%	0%	
Pk total	166				802				90				1531				
Highest	07:30				07:45				07:15				07:30				
Volume	32	3	9	0	11	171	30	6	5	0	23	0	0	443	13	0	
Hi total	44				218				28				456				
PHF	.94				.92				.80				.84				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: THURSDAY
DATE: 01/07/21
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY):06:30 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 @ I-75 RAMPS/WENDY'S DRIVEWAY
ALACHUA COUNTY, FLORIDA

Site Code : 77733377
Start Date: 01/07/21
File I.D. : 010721AM
Page : 1

COMMERCIAL VEHICLES

	I-75 RAMPS From North				US 441 From East				WENDY'S DRIVEWAY From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Total
Date 01/07/21																	
06:30	0	0	4	0	2	9	2	0	0	0	0	0	0	21	0	0	38
06:45	0	0	2	0	0	11	1	0	0	0	2	0	0	15	0	0	31
07:00	1	0	7	0	0	11	3	0	0	0	1	0	0	19	0	0	42
07:15	5	1	7	0	0	15	1	0	0	0	1	0	0	18	1	0	49
Hr Total	6	1	20	0	2	46	7	0	0	0	4	0	0	73	1	0	160
07:30	2	0	6	0	0	14	0	0	1	0	0	0	0	14	1	0	38
07:45	7	0	6	0	0	20	2	0	0	0	3	0	0	22	2	0	62
08:00	3	0	6	0	0	20	2	0	0	0	1	0	0	25	0	0	57
08:15	4	0	7	0	2	25	4	0	1	0	1	0	0	22	1	0	67
Hr Total	16	0	25	0	2	79	8	0	2	0	5	0	0	83	4	0	224
TOTAL	22	1	45	0	4	125	15	0	2	0	9	0	0	156	5	0	384

Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 01/07/21

Peak start	07:15				07:15				07:15				07:15				
Volume	17	1	25	0	0	69	5	0	1	0	5	0	0	79	4	0	
Percent	40%	2%	58%	0%	0%	93%	7%	0%	17%	0%	83%	0%	0%	95%	5%	0%	
Pk total	43				74				6				83				
Highest	07:15				07:45				07:45				08:00				
Volume	5	1	7	0	0	20	2	0	0	0	3	0	0	25	0	0	
Hi total	13				22				3				25				
PHF	.83				.84				.50				.83				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: FRIDAY
DATE: 12/18/20
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY):06:30 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 @ I-75 EAST RAMPS
ALACHUA COUNTY, FLORIDA

Site Code : 12182001
Start Date: 12/18/20
File I.D. : 121820A1
Page : 1

AUTOMOBILES, COMMERCIAL VEHICLES

	I-75 OFF RAMP From North				US 441 From East				McDONALD'S DRIVEWAY From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	Other	Total
Date 12/18/20																	
06:30	8	5	25	0	9	0	7	0	7	3	1	0	7	145	8	0	225
06:45	24	3	36	0	7	0	11	0	16	3	2	0	8	158	9	0	277
07:00	38	3	36	0	11	0	14	0	12	0	6	0	16	198	17	0	351
07:15	30	6	37	0	8	0	19	1	11	6	3	0	17	213	15	0	366
Hr Total	100	17	134	0	35	0	51	1	46	12	12	0	48	714	49	0	1219
07:30	45	6	39	0	14	0	23	1	15	5	1	0	9	207	23	0	388
07:45	37	8	48	0	7	0	21	1	10	5	5	0	17	265	25	0	449
08:00	28	9	44	0	12	0	22	2	14	2	2	0	19	186	16	0	356
08:15	25	11	56	0	19	0	17	0	19	2	3	0	16	178	4	0	350
Hr Total	135	34	187	0	52	0	83	4	58	14	11	0	61	836	68	0	1543
TOTAL	235	51	321	0	87	0	134	5	104	26	23	0	109	1550	117	0	2762
Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 12/18/20																	
Peak start	07:15				07:15				07:15				07:15				
Volume	140	29	168	0	41	0	85	5	50	18	11	0	62	871	79	0	
Percent	42%	9%	50%	0%	31%	0%	65%	4%	63%	23%	14%	0%	6%	86%	8%	0%	
Pk total	337				131				79				1012				
Highest	07:45				07:30				07:30				07:45				
Volume	37	8	48	0	14	0	23	1	15	5	1	0	17	265	25	0	
Hi total	93				38				21				307				
PHF	.91				.86				.94				.82				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: FRIDAY
DATE: 12/18/20
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY):06:30 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 @ I-75 EAST RAMPS
ALACHUA COUNTY, FLORIDA

Site Code : 12182001
Start Date: 12/18/20
File I.D. : 121820A1
Page : 1

AUTOMOBILES

	I-75 OFF RAMP From North				US 441 From East				McDONALD'S DRIVEWAY From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Total
Date 12/18/20																	
06:30	7	5	17	0	8	0	6	0	6	3	1	0	3	139	8	0	203
06:45	24	3	29	0	7	0	8	0	16	3	2	0	3	148	9	0	252
07:00	35	3	27	0	11	0	14	0	11	0	6	0	12	185	17	0	321
07:15	26	5	28	0	8	0	18	1	11	6	3	0	9	200	15	0	330
Hr Total	92	16	101	0	34	0	46	1	44	12	12	0	27	672	49	0	1106
07:30	44	5	33	0	14	0	19	1	14	5	0	0	5	202	23	0	365
07:45	34	8	37	0	7	0	19	1	10	5	5	0	12	250	25	0	413
08:00	26	9	36	0	11	0	17	2	14	2	2	0	12	177	16	0	324
08:15	24	10	48	0	19	0	14	0	19	1	3	0	10	168	3	0	319
Hr Total	128	32	154	0	51	0	69	4	57	13	10	0	39	797	67	0	1421
TOTAL	220	48	255	0	85	0	115	5	101	25	22	0	66	1469	116	0	2527

Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 12/18/20

Peak start	07:15				07:15				07:15				07:15				
Volume	130	27	134	0	40	0	73	5	49	18	10	0	38	829	79	0	
Percent	45%	9%	46%	0%	34%	0%	62%	4%	64%	23%	13%	0%	4%	88%	8%	0%	
Pk total	291				118				77				946				
Highest	07:30				07:30				07:15				07:45				
Volume	44	5	33	0	14	0	19	1	11	6	3	0	12	250	25	0	
Hi total	82				34				20				287				
PHF	.89				.87				.96				.82				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: FRIDAY
DATE: 12/18/20
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY):06:30 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 @ I-75 EAST RAMPS
ALACHUA COUNTY, FLORIDA

Site Code : 12182001
Start Date: 12/18/20
File I.D. : 121820A1
Page : 1

COMMERCIAL VEHICLES

	I-75 OFF RAMP From North				US 441 From East				McDONALD'S DRIVEWAY From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Total
Date 12/18/20																	
06:30	1	0	8	0	1	0	1	0	1	0	0	0	4	6	0	0	22
06:45	0	0	7	0	0	0	3	0	0	0	0	0	5	10	0	0	25
07:00	3	0	9	0	0	0	0	0	1	0	0	0	4	13	0	0	30
07:15	4	1	9	0	0	0	1	0	0	0	0	0	8	13	0	0	36
Hr Total	8	1	33	0	1	0	5	0	2	0	0	0	21	42	0	0	113
07:30	1	1	6	0	0	0	4	0	1	0	1	0	4	5	0	0	23
07:45	3	0	11	0	0	0	2	0	0	0	0	0	5	15	0	0	36
08:00	2	0	8	0	1	0	5	0	0	0	0	0	7	9	0	0	32
08:15	1	1	8	0	0	0	3	0	0	1	0	0	6	10	1	0	31
Hr Total	7	2	33	0	1	0	14	0	1	1	1	0	22	39	1	0	122
TOTAL	15	3	66	0	2	0	19	0	3	1	1	0	43	81	1	0	235
Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 12/18/20																	
Peak start	07:15				07:15				07:15				07:15				
Volume	10	2	34	0	1	0	12	0	1	0	1	0	24	42	0	0	
Percent	22%	4%	74%	0%	8%	0%	92%	0%	50%	0%	50%	0%	36%	64%	0%	0%	
Pk total	46				13				2				66				
Highest	07:15				08:00				07:30				07:15				
Volume	4	1	9	0	1	0	5	0	1	0	1	0	8	13	0	0	
Hi total	14				6				2				21				
PHF	.82				.54				.25				.79				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: WEDNESDAY
DATE: 08/28/19
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY): 06:45 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 @ NW 147TH DRIVE
ALACHUA COUNTY, FLORIDA

Site Code : 15082819
Start Date: 08/28/19
File I.D. : 082819AM
Page : 1

AUTOMOBILES, COMMERCIAL VEHICLES

	NW 147TH DRIVE From North				US 441 From East				NW 147TH DRIVE From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 08/28/19																	
06:45	6	0	11	0	5	101	8	0	6	1	14	0	10	251	9	0	422
07:00	12	1	8	0	2	117	8	0	18	0	16	0	13	269	18	0	482
07:15	11	1	15	0	5	154	12	0	27	3	25	0	7	313	15	1	589
07:30	7	3	12	0	4	202	14	0	22	3	15	0	12	302	20	1	617
Hr Total	36	5	46	0	16	574	42	0	73	7	70	0	42	1135	62	2	2110
07:45	11	0	11	0	5	170	15	0	24	1	12	0	14	209	16	0	488
08:00	9	4	10	0	18	149	18	2	20	3	13	0	14	224	15	0	499
08:15	13	3	9	0	7	167	14	1	17	3	11	0	10	287	20	1	563
08:30	15	2	11	0	5	160	15	0	24	2	8	0	19	309	15	2	587
Hr Total	48	9	41	0	35	646	62	3	85	9	44	0	57	1029	66	3	2137
TOTAL	84	14	87	0	51	1220	104	3	158	16	114	0	99	2164	128	5	4247

Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 08/28/19

Peak start	07:15				07:15				07:15				07:15				
Volume	38	8	48	0	32	675	59	2	93	10	65	0	47	1048	66	2	
Percent	40%	9%	51%	0%	4%	88%	8%	0%	55%	6%	39%	0%	4%	90%	6%	0%	
Pk total	94				768				168				1163				
Highest	07:15				07:30				07:15				07:15				
Volume	11	1	15	0	4	202	14	0	27	3	25	0	7	313	15	1	
Hi total	27				220				55				336				
PHF	.87				.87				.76				.87				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: WEDNESDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 15082819

DATE: 08/28/19 | US 441 @ NW 147TH DRIVE | Start Date: 08/28/19

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 082819AM

BEGIN TIME (MILITARY): 06:45 Hrs | Page : 1

AUTOMOBILES

	NW 147TH DRIVE From North				US 441 From East				NW 147TH DRIVE From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 08/28/19																	
06:45	6	0	10	0	5	94	7	0	5	1	13	0	8	245	9	0	403
07:00	12	1	5	0	1	108	5	0	18	0	15	0	12	254	16	0	447
07:15	11	1	14	0	5	145	10	0	26	3	24	0	6	304	14	1	564
07:30	7	2	9	0	4	191	11	0	21	3	15	0	11	288	19	1	582
Hr Total	36	4	38	0	15	538	33	0	70	7	67	0	37	1091	58	2	1996
07:45	10	0	9	0	5	152	14	0	23	1	11	0	13	186	13	0	437
08:00	8	4	10	0	18	140	15	2	20	2	12	0	13	211	15	0	470
08:15	12	3	8	0	7	157	12	1	16	3	11	0	8	274	18	1	531
08:30	12	2	7	0	4	138	12	0	24	2	8	0	15	280	15	1	520
Hr Total	42	9	34	0	34	587	53	3	83	8	42	0	49	951	61	2	1958
TOTAL	78	13	72	0	49	1125	86	3	153	15	109	0	86	2042	119	4	3954

Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 08/28/19

Peak start	07:15				07:15				07:15				07:15				
Volume	36	7	42	0	32	628	50	2	90	9	62	0	43	989	61	2	
Percent	42%	8%	49%	0%	4%	88%	7%	0%	56%	6%	39%	0%	4%	90%	6%	0%	
Pk total	85				712				161				1095				
Highest	07:15				07:30				07:15				07:15				
Volume	11	1	14	0	4	191	11	0	26	3	24	0	6	304	14	1	
Hi total	26				206				53				325				
PHF	.82				.86				.76				.84				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: WEDNESDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 15082819

DATE: 08/28/19 | US 441 @ NW 147TH DRIVE | Start Date: 08/28/19

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 082819AM

BEGIN TIME (MILITARY): 06:45 Hrs | Page : 1

COMMERCIAL VEHICLES

	NW 147TH DRIVE From North				US 441 From East				NW 147TH DRIVE From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 08/28/19																	
06:45	0	0	1	0	0	7	1	0	1	0	1	0	2	6	0	0	19
07:00	0	0	3	0	1	9	3	0	0	0	1	0	1	15	2	0	35
07:15	0	0	1	0	0	9	2	0	1	0	1	0	1	9	1	0	25
07:30	0	1	3	0	0	11	3	0	1	0	0	0	1	14	1	0	35
Hr Total	0	1	8	0	1	36	9	0	3	0	3	0	5	44	4	0	114
07:45	1	0	2	0	0	18	1	0	1	0	1	0	1	23	3	0	51
08:00	1	0	0	0	0	9	3	0	0	1	1	0	1	13	0	0	29
08:15	1	0	1	0	0	10	2	0	1	0	0	0	2	13	2	0	32
08:30	3	0	4	0	1	22	3	0	0	0	0	0	4	29	0	1	67
Hr Total	6	0	7	0	1	59	9	0	2	1	2	0	8	78	5	1	179
TOTAL	6	1	15	0	2	95	18	0	5	1	5	0	13	122	9	1	293

Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 08/28/19

Peak start	07:15				07:15				07:15				07:15				
Volume	2	1	6	0	0	47	9	0	3	1	3	0	4	59	5	0	
Percent	22%	11%	67%	0%	0%	84%	16%	0%	43%	14%	43%	0%	6%	87%	7%	0%	
Pk total	9				56				7				68				
Highest	07:30				07:45				07:15				07:45				
Volume	0	1	3	0	0	18	1	0	1	0	1	0	1	23	3	0	
Hi total	4				19				2				27				
PHF	.56				.74				.88				.63				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: WEDNESDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 15082819

DATE: 08/28/19 | US 441 @ NW 147TH DRIVE | Start Date: 08/28/19

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 082819AM

BEGIN TIME (MILITARY): 06:45 Hrs | Page : 1

PEDESTRIAN & BICYCLE

	NW 147TH DRIVE From North				US 441 From East				NW 147TH DRIVE From South				US 441 From West				
	Left	Thru	Right	PEDS	Left	Thru	Right	PEDS	Left	Thru	Right	PEDS	Left	Thru	Right	PEDS	Total
Date 08/28/19																	
06:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
07:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hr Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
07:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hr Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1

Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 08/28/19

Peak start	07:15				07:15				07:15				07:15				
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Percent	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Pk total	0				0				0				0				
Highest	06:45				06:45				06:45				06:45				
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hi total	0				0				0				0				
PHF	.0				.0				.0				.0				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: WEDNESDAY
DATE: 12/11/19
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY):06:45 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 AT CR 235
ALACHUA COUNTY, FLORIDA

Site Code : 12111901
Start Date: 12/11/19
File I.D. : 18153404
Page : 1

AUTOMOBILES, COMMERCIAL VEHICLES

	CR 235 From North				US 441 From East				CR 235 From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 12/11/19																	
06:45	31	31	4	0	6	65	10	1	17	16	17	0	9	204	10	0	421
07:00	27	41	4	0	29	77	10	0	19	22	13	0	18	243	24	0	527
07:15	26	59	5	0	28	110	13	0	21	35	28	0	18	281	34	0	658
07:30	42	57	11	0	36	128	23	0	28	41	19	0	18	275	23	1	702
Hr Total	126	188	24	0	99	380	56	1	85	114	77	0	63	1003	91	1	2308
07:45	24	47	15	0	21	130	10	1	15	42	21	0	15	259	23	0	623
08:00	21	51	7	0	13	92	4	0	40	23	14	0	11	233	31	0	540
08:15	16	25	14	0	21	105	12	0	19	21	17	0	11	218	26	0	505
08:30	24	29	14	0	15	106	11	0	24	33	14	0	15	208	15	0	508
Hr Total	85	152	50	0	70	433	37	1	98	119	66	0	52	918	95	0	2176
TOTAL	211	340	74	0	169	813	93	2	183	233	143	0	115	1921	186	1	4484

Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 12/11/19

Peak start	07:15				07:15				07:15				07:15				
Volume	113	214	38	0	98	460	50	1	104	141	82	0	62	1048	111	1	
Percent	31%	59%	10%	0%	16%	76%	8%	0%	32%	43%	25%	0%	5%	86%	9%	0%	
Pk total	365				609				327				1222				
Highest	07:30				07:30				07:30				07:15				
Volume	42	57	11	0	36	128	23	0	28	41	19	0	18	281	34	0	
Hi total	110				187				88				333				
PHF	.83				.81				.93				.92				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: WEDNESDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 12111901

DATE: 12/11/19 | US 441 AT CR 235 | Start Date: 12/11/19

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 18153404

BEGIN TIME (MILITARY):06:45 Hrs | Page : 1

AUTOMOBILES

	CR 235 From North				US 441 From East				CR 235 From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 12/11/19																	
06:45	29	25	4	0	5	56	9	1	17	10	15	0	9	194	9	0	383
07:00	24	35	3	0	22	72	10	0	19	15	9	0	16	236	23	0	484
07:15	25	50	4	0	24	105	13	0	20	24	27	0	18	267	31	0	608
07:30	40	51	8	0	31	121	22	0	27	38	17	0	18	266	20	1	660
Hr Total	118	161	19	0	82	354	54	1	83	87	68	0	61	963	83	1	2135
07:45	22	39	15	0	16	122	10	1	12	33	17	0	14	246	19	0	566
08:00	20	41	7	0	10	81	4	0	35	19	12	0	10	227	29	0	495
08:15	14	15	13	0	16	92	11	0	18	14	14	0	11	207	24	0	449
08:30	23	23	12	0	12	94	9	0	22	20	9	0	12	193	14	0	443
Hr Total	79	118	47	0	54	389	34	1	87	86	52	0	47	873	86	0	1953
TOTAL	197	279	66	0	136	743	88	2	170	173	120	0	108	1836	169	1	4088

Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 12/11/19

Peak start	07:15				07:15				07:15				07:15				
Volume	107	181	34	0	81	429	49	1	94	114	73	0	60	1006	99	1	
Percent	33%	56%	11%	0%	14%	77%	9%	0%	33%	41%	26%	0%	5%	86%	8%	0%	
Pk total	322				560				281				1166				
Highest	07:30				07:30				07:30				07:15				
Volume	40	51	8	0	31	121	22	0	27	38	17	0	18	267	31	0	
Hi total	99				174				82				316				
PHF	.81				.80				.86				.92				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: WEDNESDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 12111901

DATE: 12/11/19 | US 441 AT CR 235 | Start Date: 12/11/19

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 18153404

BEGIN TIME (MILITARY):06:45 Hrs | Page : 1

COMMERCIAL VEHICLES

	CR 235 From North				US 441 From East				CR 235 From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Total
Date 12/11/19																	
06:45	2	6	0	0	1	9	1	0	0	6	2	0	0	10	1	0	38
07:00	3	6	1	0	7	5	0	0	0	7	4	0	2	7	1	0	43
07:15	1	9	1	0	4	5	0	0	1	11	1	0	0	14	3	0	50
07:30	2	6	3	0	5	7	1	0	1	3	2	0	0	9	3	0	42
Hr Total	8	27	5	0	17	26	2	0	2	27	9	0	2	40	8	0	173
07:45	2	8	0	0	5	8	0	0	3	9	4	0	1	13	4	0	57
08:00	1	10	0	0	3	11	0	0	5	4	2	0	1	6	2	0	45
08:15	2	10	1	0	5	13	1	0	1	7	3	0	0	11	2	0	56
08:30	1	6	2	0	3	12	2	0	2	13	5	0	3	15	1	0	65
Hr Total	6	34	3	0	16	44	3	0	11	33	14	0	5	45	9	0	223
TOTAL	14	61	8	0	33	70	5	0	13	60	23	0	7	85	17	0	396

Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 12/11/19

Peak start	07:15				07:15				07:15				07:15				
Volume	6	33	4	0	17	31	1	0	10	27	9	0	2	42	12	0	
Percent	14%	77%	9%	0%	35%	63%	2%	0%	22%	59%	20%	0%	4%	75%	21%	0%	
Pk total	43				49				46				56				
Highest	07:15				08:00				07:45				07:45				
Volume	1	9	1	0	3	11	0	0	3	9	4	0	1	13	4	0	
Hi total	11				14				16				18				
PHF	.98				.88				.72				.78				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: WEDNESDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 12111901

DATE: 12/11/19 | US 441 AT CR 235 | Start Date: 12/11/19

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 18153404

BEGIN TIME (MILITARY):06:45 Hrs |

PEDESTRIAN & BICYCLE

	CR 235 From North				US 441 From East				CR 235 From South				US 441 From West				
	Left	Thru	Right	PEDS	Left	Thru	Right	PEDS	Left	Thru	Right	PEDS	Left	Thru	Right	PEDS	Total
Date 12/11/19																	
06:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hr Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
08:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
08:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hr Total	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	2
TOTAL	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	2

Peak Hour Analysis By Entire Intersection for the Period: 07:15 to 08:15 on 12/11/19

Peak start	07:15				07:15				07:15				07:15				
Volume	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	
Percent	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	
Pk total	1				0				1				0				
Highest	07:45				06:45				08:00				06:45				
Volume	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	
Hi total	1				0				1				0				
PHF	.25				.0				.25				.0				

PM PEAK PERIOD

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: TUESDAY
DATE: 01/05/21
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY):15:45 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 @ I-75 RAMPS/WENDY'S DRIVEWAY
ALACHUA COUNTY, FLORIDA

Site Code : 66667743
Start Date: 01/05/21
File I.D. : 010521PM
Page : 1

AUTOMOBILES, COMMERCIAL VEHICLES

	I-75 RAMPS From North				US 441 From East				WENDY'S DRIVEWAY From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 01/05/21																	
15:45	20	5	15	0	6	378	20	1	9	0	12	0	0	188	7	1	662
16:00	22	2	11	0	5	343	12	2	6	0	15	0	0	225	11	0	654
16:15	31	3	14	0	1	398	32	1	6	0	12	0	0	206	11	0	715
16:30	29	2	22	0	9	405	28	2	10	0	22	0	0	245	21	1	796
Hr Total	102	12	62	0	21	1524	92	6	31	0	61	0	0	864	50	2	2827
16:45	31	2	12	0	6	409	42	0	8	0	32	0	0	217	18	3	780
17:00	29	1	20	0	1	395	36	0	2	0	20	0	0	221	18	1	744
17:15	32	8	12	0	13	439	35	2	11	0	24	0	0	231	16	0	823
17:30	35	4	22	0	4	437	31	3	13	0	28	0	0	178	17	0	772
Hr Total	127	15	66	0	24	1680	144	5	34	0	104	0	0	847	69	4	3119
TOTAL	229	27	128	0	45	3204	236	11	65	0	165	0	0	1711	119	6	5946

Peak Hour Analysis By Entire Intersection for the Period: 16:30 to 17:30 on 01/05/21

Peak start	16:30				16:30				16:30				16:30				
Volume	121	13	66	0	29	1648	141	4	31	0	98	0	0	914	73	5	
Percent	60%	6%	33%	0%	2%	90%	8%	0%	24%	0%	76%	0%	0%	92%	7%	1%	
Pk total	200				1822				129				992				
Highest	16:30				17:15				16:45				16:30				
Volume	29	2	22	0	13	439	35	2	8	0	32	0	0	245	21	1	
Hi total	53				489				40				267				
PHF	.94				.93				.81				.93				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: TUESDAY
DATE: 01/05/21
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY):15:45 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 @ I-75 RAMPS/WENDY'S DRIVEWAY
ALACHUA COUNTY, FLORIDA

Site Code : 66667743
Start Date: 01/05/21
File I.D. : 010521PM
Page : 1

AUTOMOBILES

	I-75 RAMPS From North				US 441 From East				WENDY'S DRIVEWAY From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 01/05/21																	
15:45	18	4	9	0	6	354	19	1	8	0	12	0	0	169	6	1	607
16:00	21	2	8	0	5	324	10	2	6	0	14	0	0	208	11	0	611
16:15	30	3	8	0	1	379	27	1	6	0	11	0	0	188	11	0	665
16:30	29	2	15	0	8	382	26	2	10	0	21	0	0	221	20	1	737
Hr Total	98	11	40	0	20	1439	82	6	30	0	58	0	0	786	48	2	2620
16:45	30	1	6	0	6	385	40	0	8	0	30	0	0	208	18	3	735
17:00	27	1	16	0	1	390	35	0	2	0	20	0	0	202	18	1	713
17:15	28	8	10	0	10	434	35	2	11	0	23	0	0	220	15	0	796
17:30	32	4	18	0	4	423	31	3	12	0	28	0	0	167	15	0	737
Hr Total	117	14	50	0	21	1632	141	5	33	0	101	0	0	797	66	4	2981
TOTAL	215	25	90	0	41	3071	223	11	63	0	159	0	0	1583	114	6	5601

Peak Hour Analysis By Entire Intersection for the Period: 16:30 to 17:30 on 01/05/21

Peak start	16:30				16:30				16:30				16:30				
Volume	114	12	47	0	25	1591	136	4	31	0	94	0	0	851	71	5	
Percent	66%	7%	27%	0%	1%	91%	8%	0%	25%	0%	75%	0%	0%	92%	8%	1%	
Pk total	173				1756				125				927				
Highest	16:30				17:15				16:45				16:30				
Volume	29	2	15	0	10	434	35	2	8	0	30	0	0	221	20	1	
Hi total	46				481				38				242				
PHF	.94				.91				.82				.96				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: TUESDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 66667743

DATE: 01/05/21 | US 441 @ I-75 RAMPS/WENDY'S DRIVEWAY | Start Date: 01/05/21

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 010521PM

BEGIN TIME (MILITARY):15:45 Hrs | Page : 1

COMMERCIAL VEHICLES

	I-75 RAMPS From North				US 441 From East				WENDY'S DRIVEWAY From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Total
Date 01/05/21																	
15:45	2	1	6	0	0	24	1	0	1	0	0	0	0	19	1	0	55
16:00	1	0	3	0	0	19	2	0	0	0	1	0	0	17	0	0	43
16:15	1	0	6	0	0	19	5	0	0	0	1	0	0	18	0	0	50
16:30	0	0	7	0	1	23	2	0	0	0	1	0	0	24	1	0	59
Hr Total	4	1	22	0	1	85	10	0	1	0	3	0	0	78	2	0	207
16:45	1	1	6	0	0	24	2	0	0	0	2	0	0	9	0	0	45
17:00	2	0	4	0	0	5	1	0	0	0	0	0	0	19	0	0	31
17:15	4	0	2	0	3	5	0	0	0	0	1	0	0	11	1	0	27
17:30	3	0	4	0	0	14	0	0	1	0	0	0	0	11	2	0	35
Hr Total	10	1	16	0	3	48	3	0	1	0	3	0	0	50	3	0	138
TOTAL	14	2	38	0	4	133	13	0	2	0	6	0	0	128	5	0	345

Peak Hour Analysis By Entire Intersection for the Period: 16:30 to 17:30 on 01/05/21

Peak start	16:30				16:30				16:30				16:30				
Volume	7	1	19	0	4	57	5	0	0	0	4	0	0	63	2	0	
Percent	26%	4%	70%	0%	6%	86%	8%	0%	0%	0%	100%	0%	0%	97%	3%	0%	
Pk total	27				66				4				65				
Highest	16:45				16:30				16:45				16:30				
Volume	1	1	6	0	1	23	2	0	0	0	2	0	0	24	1	0	
Hi total	8				26				2				25				
PHF	.84				.63				.50				.65				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: MONDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 12142001

DATE: 12/14/20 | US 441 @ I-75 EAST RAMPS | Start Date: 12/14/20

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 121420P2

BEGIN TIME (MILITARY):15:45 Hrs | Page : 1

AUTOMOBILES, COMMERCIAL VEHICLES

	I-75 OFF-RAMP From North				US 441 From East				McDONALD'S DRIVEWAY From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 12/14/20																	
15:45	60	4	76	0	14	0	25	0	7	6	1	0	14	178	7	0	392
16:00	54	9	103	0	6	0	26	1	14	1	4	0	15	125	13	0	371
16:15	58	1	85	0	7	0	30	0	11	1	2	0	25	188	9	0	417
16:30	44	3	110	0	12	0	19	2	7	3	3	0	16	173	6	0	398
Hr Total	216	17	374	0	39	0	100	3	39	11	10	0	70	664	35	0	1578
16:45	41	2	85	0	10	0	43	2	15	1	2	0	15	209	8	0	433
17:00	75	3	113	0	11	0	31	1	15	3	2	0	13	191	11	0	469
17:15	55	2	129	0	10	0	46	0	14	0	2	0	13	227	6	1	505
17:30	53	0	113	0	10	0	38	2	8	1	4	0	14	187	7	0	437
Hr Total	224	7	440	0	41	0	158	5	52	5	10	0	55	814	32	1	1844
TOTAL	440	24	814	0	80	0	258	8	91	16	20	0	125	1478	67	1	3422

Peak Hour Analysis By Entire Intersection for the Period: 16:45 to 17:45 on 12/14/20

Peak start	16:45				16:45				16:45				16:45				
Volume	224	7	440	0	41	0	158	5	52	5	10	0	55	814	32	1	
Percent	33%	1%	66%	0%	20%	0%	77%	2%	78%	7%	15%	0%	6%	90%	4%	0%	
Pk total	671				204				67				902				
Highest	17:00				17:15				17:00				17:15				
Volume	75	3	113	0	10	0	46	0	15	3	2	0	13	227	6	1	
Hi total	191				56				20				247				
PHF	.88				.91				.84				.91				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: MONDAY
DATE: 12/14/20
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY):15:45 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 @ I-75 EAST RAMPS
ALACHUA COUNTY, FLORIDA

Site Code : 12142001
Start Date: 12/14/20
File I.D. : 121420P2
Page : 1

AUTOMOBILES

	I-75 OFF-RAMP From North				US 441 From East				McDONALD'S DRIVEWAY From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 12/14/20																	
15:45	59	4	71	0	14	0	22	0	7	6	1	0	7	168	7	0	366
16:00	47	9	101	0	5	0	22	1	14	1	4	0	12	114	13	0	343
16:15	56	1	77	0	7	0	29	0	10	1	2	0	17	175	9	0	384
16:30	39	3	101	0	12	0	15	2	7	3	3	0	12	165	6	0	368
Hr Total	201	17	350	0	38	0	88	3	38	11	10	0	48	622	35	0	1461
16:45	40	2	75	0	9	0	38	2	14	1	2	0	12	204	8	0	407
17:00	72	3	106	0	11	0	28	1	15	3	2	0	6	176	10	0	433
17:15	50	2	122	0	9	0	46	0	13	0	2	0	12	220	6	1	483
17:30	52	0	108	0	10	0	38	2	8	1	4	0	12	181	7	0	423
Hr Total	214	7	411	0	39	0	150	5	50	5	10	0	42	781	31	1	1746
TOTAL	415	24	761	0	77	0	238	8	88	16	20	0	90	1403	66	1	3207

Peak Hour Analysis By Entire Intersection for the Period: 16:45 to 17:45 on 12/14/20

Peak start	16:45				16:45				16:45				16:45				
Volume	214	7	411	0	39	0	150	5	50	5	10	0	42	781	31	1	
Percent	34%	1%	65%	0%	20%	0%	77%	3%	77%	8%	15%	0%	5%	91%	4%	0%	
Pk total	632				194				65				855				
Highest	17:00				17:15				17:00				17:15				
Volume	72	3	106	0	9	0	46	0	15	3	2	0	12	220	6	1	
Hi total	181				55				20				239				
PHF	.87				.88				.81				.89				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: MONDAY
DATE: 12/14/20
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY):15:45 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 @ I-75 EAST RAMPS
ALACHUA COUNTY, FLORIDA

Site Code : 12142001
Start Date: 12/14/20
File I.D. : 121420P2
Page : 1

COMMERCIAL VEHICLES

	I-75 OFF-RAMP From North				US 441 From East				McDONALD'S DRIVEWAY From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Total
Date 12/14/20																	
15:45	1	0	5	0	0	0	3	0	0	0	0	0	7	10	0	0	26
16:00	7	0	2	0	1	0	4	0	0	0	0	0	3	11	0	0	28
16:15	2	0	8	0	0	0	1	0	1	0	0	0	8	13	0	0	33
16:30	5	0	9	0	0	0	4	0	0	0	0	0	4	8	0	0	30
Hr Total	15	0	24	0	1	0	12	0	1	0	0	0	22	42	0	0	117
16:45	1	0	10	0	1	0	5	0	1	0	0	0	3	5	0	0	26
17:00	3	0	7	0	0	0	3	0	0	0	0	0	7	15	1	0	36
17:15	5	0	7	0	1	0	0	0	1	0	0	0	1	7	0	0	22
17:30	1	0	5	0	0	0	0	0	0	0	0	0	2	6	0	0	14
Hr Total	10	0	29	0	2	0	8	0	2	0	0	0	13	33	1	0	98
TOTAL	25	0	53	0	3	0	20	0	3	0	0	0	35	75	1	0	215

Peak Hour Analysis By Entire Intersection for the Period: 16:45 to 17:45 on 12/14/20

Peak start	16:45				16:45				16:45				16:45				
Volume	10	0	29	0	2	0	8	0	2	0	0	0	13	33	1	0	
Percent	26%	0%	74%	0%	20%	0%	80%	0%	100%	0%	0%	0%	28%	70%	2%	0%	
Pk total	39				10				2				47				
Highest	17:15				16:45				16:45				17:00				
Volume	5	0	7	0	1	0	5	0	1	0	0	0	7	15	1	0	
Hi total	12				6				1				23				
PHF	.81				.42				.50				.51				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: MONDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 15082619

DATE: 08/26/19 | US 441 @ NW 147TH DRIVE | Start Date: 08/26/19

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 082619PM

BEGIN TIME (MILITARY): 15:45 Hrs | | Page : 1

AUTOMOBILES, COMMERCIAL VEHICLES

	NW 147TH DRIVE From North				US 441 From East				NW 147TH DRIVE From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 08/26/19																	
15:45	15	5	26	0	15	238	24	0	36	3	13	0	20	165	27	2	589
16:00	20	4	22	0	14	230	28	1	31	4	7	0	12	164	33	3	573
16:15	15	2	28	0	24	227	18	1	43	4	8	0	18	148	27	0	563
16:30	18	6	23	0	15	266	23	2	33	5	8	0	17	156	34	0	606
Hr Total	68	17	99	0	68	961	93	4	143	16	36	0	67	633	121	5	2331
16:45	15	6	29	0	14	299	20	0	32	3	15	0	13	186	30	0	662
17:00	18	3	31	0	26	326	25	2	49	7	14	0	21	169	27	2	720
17:15	13	4	27	0	26	348	16	0	38	10	17	0	24	200	36	1	760
17:30	12	5	28	0	30	306	16	0	53	3	18	0	14	156	34	3	678
Hr Total	58	18	115	0	96	1279	77	2	172	23	64	0	72	711	127	6	2820
17:45	16	4	18	0	23	252	13	1	29	3	8	0	12	180	27	1	587
Hr Total	16	4	18	0	23	252	13	1	29	3	8	0	12	180	27	1	587
TOTAL	142	39	232	0	187	2492	183	7	344	42	108	0	151	1524	275	12	5738

Peak Hour Analysis By Entire Intersection for the Period: 16:45 to 17:45 on 08/26/19

Peak start	16:45				16:45				16:45				16:45				
Volume	58	18	115	0	96	1279	77	2	172	23	64	0	72	711	127	6	
Percent	30%	9%	60%	0%	7%	88%	5%	0%	66%	9%	25%	0%	8%	78%	14%	1%	
Pk total	191				1454				259				916				
Highest	17:00				17:15				17:30				17:15				
Volume	18	3	31	0	26	348	16	0	53	3	18	0	24	200	36	1	
Hi total	52				390				74				261				
PHF	.92				.93				.88				.88				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: MONDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 15082619

DATE: 08/26/19 | US 441 @ NW 147TH DRIVE | Start Date: 08/26/19

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 082619PM

BEGIN TIME (MILITARY): 15:45 Hrs | Page : 1

AUTOMOBILES

	NW 147TH DRIVE From North				US 441 From East				NW 147TH DRIVE From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 08/26/19																	
15:45	14	5	26	0	15	226	23	0	36	3	13	0	20	155	27	2	565
16:00	18	4	22	0	14	215	26	1	31	4	5	0	11	156	31	2	540
16:15	14	2	28	0	23	218	17	1	42	4	8	0	18	134	27	0	536
16:30	17	6	21	0	15	252	22	2	32	5	8	0	16	146	34	0	576
Hr Total	63	17	97	0	67	911	88	4	141	16	34	0	65	591	119	4	2217
16:45	14	6	29	0	13	282	20	0	31	3	15	0	13	183	29	0	638
17:00	18	3	30	0	26	316	24	2	48	7	14	0	21	159	26	2	696
17:15	13	4	27	0	26	333	15	0	37	10	17	0	24	190	35	1	732
17:30	12	5	27	0	30	301	16	0	53	3	18	0	13	149	34	3	664
Hr Total	57	18	113	0	95	1232	75	2	169	23	64	0	71	681	124	6	2730
17:45	16	4	17	0	23	240	13	1	28	3	7	0	12	176	25	1	566
Hr Total	16	4	17	0	23	240	13	1	28	3	7	0	12	176	25	1	566
TOTAL	136	39	227	0	185	2383	176	7	338	42	105	0	148	1448	268	11	5513

Peak Hour Analysis By Entire Intersection for the Period: 16:45 to 17:45 on 08/26/19

Peak start	16:45				16:45				16:45				16:45				
Volume	57	18	113	0	95	1232	75	2	169	23	64	0	71	681	124	6	
Percent	30%	10%	60%	0%	7%	88%	5%	0%	66%	9%	25%	0%	8%	77%	14%	1%	
Pk total	188				1404				256				882				
Highest	17:00				17:15				17:30				17:15				
Volume	18	3	30	0	26	333	15	0	53	3	18	0	24	190	35	1	
Hi total	51				374				74				250				
PHF	.92				.94				.86				.88				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: MONDAY
DATE: 08/26/19
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY): 15:45 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 @ NW 147TH DRIVE
ALACHUA COUNTY, FLORIDA

Site Code : 15082619
Start Date: 08/26/19
File I.D. : 082619PM
Page : 1

COMMERCIAL VEHICLES

	NW 147TH DRIVE From North				US 441 From East				NW 147TH DRIVE From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 08/26/19																	
15:45	1	0	0	0	0	12	1	0	0	0	0	0	0	10	0	0	24
16:00	2	0	0	0	0	15	2	0	0	0	2	0	1	8	2	1	33
16:15	1	0	0	0	1	9	1	0	1	0	0	0	0	14	0	0	27
16:30	1	0	2	0	0	14	1	0	1	0	0	0	1	10	0	0	30
Hr Total	5	0	2	0	1	50	5	0	2	0	2	0	2	42	2	1	114
16:45	1	0	0	0	1	17	0	0	1	0	0	0	0	3	1	0	24
17:00	0	0	1	0	0	10	1	0	1	0	0	0	0	10	1	0	24
17:15	0	0	0	0	0	15	1	0	1	0	0	0	0	10	1	0	28
17:30	0	0	1	0	0	5	0	0	0	0	0	0	1	7	0	0	14
Hr Total	1	0	2	0	1	47	2	0	3	0	0	0	1	30	3	0	90
17:45	0	0	1	0	0	12	0	0	1	0	1	0	0	4	2	0	21
Hr Total	0	0	1	0	0	12	0	0	1	0	1	0	0	4	2	0	21
TOTAL	6	0	5	0	2	109	7	0	6	0	3	0	3	76	7	1	225

Peak Hour Analysis By Entire Intersection for the Period: 16:45 to 17:45 on 08/26/19

Peak start	16:45				16:45				16:45				16:45				
Volume	1	0	2	0	1	47	2	0	3	0	0	0	1	30	3	0	
Percent	33%	0%	67%	0%	2%	94%	4%	0%	100%	0%	0%	0%	3%	88%	9%	0%	
Pk total	3				50				3				34				
Highest	16:45				16:45				16:45				17:00				
Volume	1	0	0	0	1	17	0	0	1	0	0	0	0	10	1	0	
Hi total	1				18				1				11				
PHF	.75				.69				.75				.77				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: MONDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 15082619

DATE: 08/26/19 | US 441 @ NW 147TH DRIVE | Start Date: 08/26/19

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 082619PM

BEGIN TIME (MILITARY): 15:45 Hrs | Page : 1

PEDESTRIAN & BICYCLE

	NW 147TH DRIVE From North				US 441 From East				NW 147TH DRIVE From South				US 441 From West				
	Left	Thru	Right	PEDS	Left	Thru	Right	PEDS	Left	Thru	Right	PEDS	Left	Thru	Right	PEDS	Total
Date 08/26/19																	
15:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
16:15	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	3
16:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Hr Total	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	1	5
16:45	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
17:00	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	4
17:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hr Total	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	2	5
17:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hr Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	2	0	0	0	0	0	0	0	5	0	0	0	3	10

Peak Hour Analysis By Entire Intersection for the Period: 16:45 to 17:45 on 08/26/19

Peak start	16:45				16:45				16:45				16:45				
Volume	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	2	
Percent	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	
Pk total	0				0				3				2				
Highest	15:45				15:45				17:00				17:00				
Volume	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	
Hi total	0				0				2				2				
PHF	.0				.0				.38				.25				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: MONDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 22222222

DATE: 12/09/19 | US 441 AT CR 235 | Start Date: 12/09/19

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 18153403

BEGIN TIME (MILITARY):15:30 Hrs | Page : 1

AUTOMOBILES, COMMERCIAL VEHICLES

	CR 235 From North				US 441 From East				CR 235 From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 12/09/19																	
15:30	14	21	15	0	18	227	19	0	34	26	24	0	19	154	29	0	600
15:45	15	19	19	0	35	228	23	0	25	41	29	0	19	116	19	0	588
16:00	11	30	12	0	28	220	19	0	29	30	21	0	23	138	22	0	583
16:15	22	24	20	0	29	204	15	0	35	33	12	0	15	109	19	0	537
Hr Total	62	94	66	0	110	879	76	0	123	130	86	0	76	517	89	0	2308
16:30	14	26	9	0	33	261	27	0	43	30	15	0	32	116	41	1	648
16:45	13	32	18	0	36	259	18	0	36	37	20	0	43	115	37	1	665
17:00	26	39	22	0	41	330	25	0	41	37	20	0	29	150	34	0	794
17:15	9	44	16	0	39	302	18	0	28	44	23	0	51	140	47	0	761
Hr Total	62	141	65	0	149	1152	88	0	148	148	78	0	155	521	159	2	2868
17:30	13	41	26	0	50	285	27	0	31	32	14	0	27	114	44	0	704
Hr Total	13	41	26	0	50	285	27	0	31	32	14	0	27	114	44	0	704
TOTAL	137	276	157	0	309	2316	191	0	302	310	178	0	258	1152	292	2	5880

Peak Hour Analysis By Entire Intersection for the Period: 16:45 to 17:45 on 12/09/19

Peak start	16:45				16:45				16:45				16:45				
Volume	61	156	82	0	166	1176	88	0	136	150	77	0	150	519	162	1	
Percent	20%	52%	27%	0%	12%	82%	6%	0%	37%	41%	21%	0%	18%	62%	19%	0%	
Pk total	299				1430				363				832				
Highest	17:00				17:00				17:00				17:15				
Volume	26	39	22	0	41	330	25	0	41	37	20	0	51	140	47	0	
Hi total	87				396				98				238				
PHF	.86				.90				.93				.87				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: MONDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 22222222

DATE: 12/09/19 | US 441 AT CR 235 | Start Date: 12/09/19

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 18153403

BEGIN TIME (MILITARY):15:30 Hrs | Page : 1

AUTOMOBILES

	CR 235 From North				US 441 From East				CR 235 From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	U-TURN	Total
Date 12/09/19																	
15:30	13	17	15	0	17	222	16	0	32	19	22	0	19	145	26	0	563
15:45	10	10	18	0	34	210	22	0	22	35	28	0	19	103	19	0	530
16:00	11	20	10	0	26	211	19	0	28	23	18	0	23	122	21	0	532
16:15	21	21	17	0	27	199	15	0	34	29	12	0	15	103	19	0	512
Hr Total	55	68	60	0	104	842	72	0	116	106	80	0	76	473	85	0	2137
16:30	14	24	6	0	32	245	25	0	38	28	13	0	29	113	37	1	605
16:45	13	24	16	0	35	247	17	0	34	37	12	0	42	113	36	1	627
17:00	24	36	21	0	37	324	24	0	39	34	18	0	28	146	34	0	765
17:15	8	39	16	0	38	292	18	0	27	39	22	0	51	133	44	0	727
Hr Total	59	123	59	0	142	1108	84	0	138	138	65	0	150	505	151	2	2724
17:30	13	37	26	0	47	281	27	0	30	29	13	0	27	110	42	0	682
Hr Total	13	37	26	0	47	281	27	0	30	29	13	0	27	110	42	0	682
TOTAL	127	228	145	0	293	2231	183	0	284	273	158	0	253	1088	278	2	5543

Peak Hour Analysis By Entire Intersection for the Period: 16:45 to 17:45 on 12/09/19

Peak start	16:45				16:45				16:45				16:45				
Volume	58	136	79	0	157	1144	86	0	130	139	65	0	148	502	156	1	
Percent	21%	50%	29%	0%	11%	82%	6%	0%	39%	42%	19%	0%	18%	62%	19%	0%	
Pk total	273				1387				334				807				
Highest	17:00				17:00				17:00				17:15				
Volume	24	36	21	0	37	324	24	0	39	34	18	0	51	133	44	0	
Hi total	81				385				91				228				
PHF	.84				.90				.92				.88				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: MONDAY
DATE: 12/09/19
WEATHER: CLEAR & DRY
BEGIN TIME (MILITARY):15:30 Hrs

MANUAL TURNING MOVEMENT COUNTS
US 441 AT CR 235
ALACHUA COUNTY, FLORIDA

Site Code : 22222222
Start Date: 12/09/19
File I.D. : 18153403
Page : 1

COMMERCIAL VEHICLES

	CR 235 From North				US 441 From East				CR 235 From South				US 441 From West				
	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Left	Thru	Right	Other	Total
Date 12/09/19																	
15:30	1	4	0	0	1	5	3	0	2	7	2	0	0	9	3	0	37
15:45	5	9	1	0	1	18	1	0	3	6	1	0	0	13	0	0	58
16:00	0	10	2	0	2	9	0	0	1	7	3	0	0	16	1	0	51
16:15	1	3	3	0	2	5	0	0	1	4	0	0	0	6	0	0	25
Hr Total	7	26	6	0	6	37	4	0	7	24	6	0	0	44	4	0	171
16:30	0	2	3	0	1	16	2	0	5	2	2	0	3	3	4	0	43
16:45	0	8	2	0	1	12	1	0	2	0	8	0	1	2	1	0	38
17:00	2	3	1	0	4	6	1	0	2	3	2	0	1	4	0	0	29
17:15	1	5	0	0	1	10	0	0	1	5	1	0	0	7	3	0	34
Hr Total	3	18	6	0	7	44	4	0	10	10	13	0	5	16	8	0	144
17:30	0	4	0	0	3	4	0	0	1	3	1	0	0	4	2	0	22
Hr Total	0	4	0	0	3	4	0	0	1	3	1	0	0	4	2	0	22
TOTAL	10	48	12	0	16	85	8	0	18	37	20	0	5	64	14	0	337

Peak Hour Analysis By Entire Intersection for the Period: 16:45 to 17:45 on 12/09/19

Peak start	16:45				16:45				16:45				16:45				
Volume	3	20	3	0	9	32	2	0	6	11	12	0	2	17	6	0	
Percent	12%	77%	12%	0%	21%	74%	5%	0%	21%	38%	41%	0%	8%	68%	24%	0%	
Pk total	26				43				29				25				
Highest	16:45				16:45				16:45				17:15				
Volume	0	8	2	0	1	12	1	0	2	0	8	0	0	7	3	0	
Hi total	10				14				10				10				
PHF	.65				.77				.72				.62				

JW BUCKHOLZ TRAFFIC ENGINEERING INC

DAY: MONDAY | MANUAL TURNING MOVEMENT COUNTS | Site Code : 22222222

DATE: 12/09/19 | US 441 AT CR 235 | Start Date: 12/09/19

WEATHER: CLEAR & DRY | ALACHUA COUNTY, FLORIDA | File I.D. : 18153403

BEGIN TIME (MILITARY):15:30 Hrs | Page : 1

PEDESTRIAN & BICYCLE

	CR 235 From North				US 441 From East				CR 235 From South				US 441 From West				
	Left	Thru	Right	PEDS	Left	Thru	Right	PEDS	Left	Thru	Right	PEDS	Left	Thru	Right	PEDS	Total
Date 12/09/19																	
15:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
15:45	0	0	0	0	0	0	0	1	0	1	0	3	0	0	0	0	5
16:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
16:15	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Hr Total	0	0	0	0	0	0	0	3	0	1	0	4	0	0	0	1	9
16:30	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
16:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
17:15	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Hr Total	0	0	0	1	0	0	0	2	0	0	0	2	0	0	0	0	5
17:30	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	4
Hr Total	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	4
TOTAL	0	0	0	4	0	0	0	5	0	1	0	6	0	0	0	2	18

Peak Hour Analysis By Entire Intersection for the Period: 16:45 to 17:45 on 12/09/19

Peak start	16:45				16:45				16:45				16:45				
Volume	0	0	0	4	0	0	0	0	0	0	0	2	0	0	0	1	
Percent	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	
Pk total	4				0				2				1				
Highest	17:30				15:30				17:15				17:30				
Volume	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0	1	
Hi total	3				0				2				1				
PHF	.33				.0				.25				.25				

APPENDIX C

FDOT TRAFFIC DATA



TABLE C-1
LINEAR REGRESSION ANALYSIS

US 441, West of I-75

Year	X	Actual AADT (Y)	**Predicted AADT**
2015	0	24500	**25000**
2016	1	26000	26300
2017	2	29500	27600
2018	3	28000	28900
2019	4	30000	30200
2020	5		31500
2021	6		32800
2022	7		34100
2023	8		35400
2024	9		36700
2025	10		38000
2026	11		39300
2027	12		40600
2028	13		41900
2029	14		43200
2030	15		**44500**

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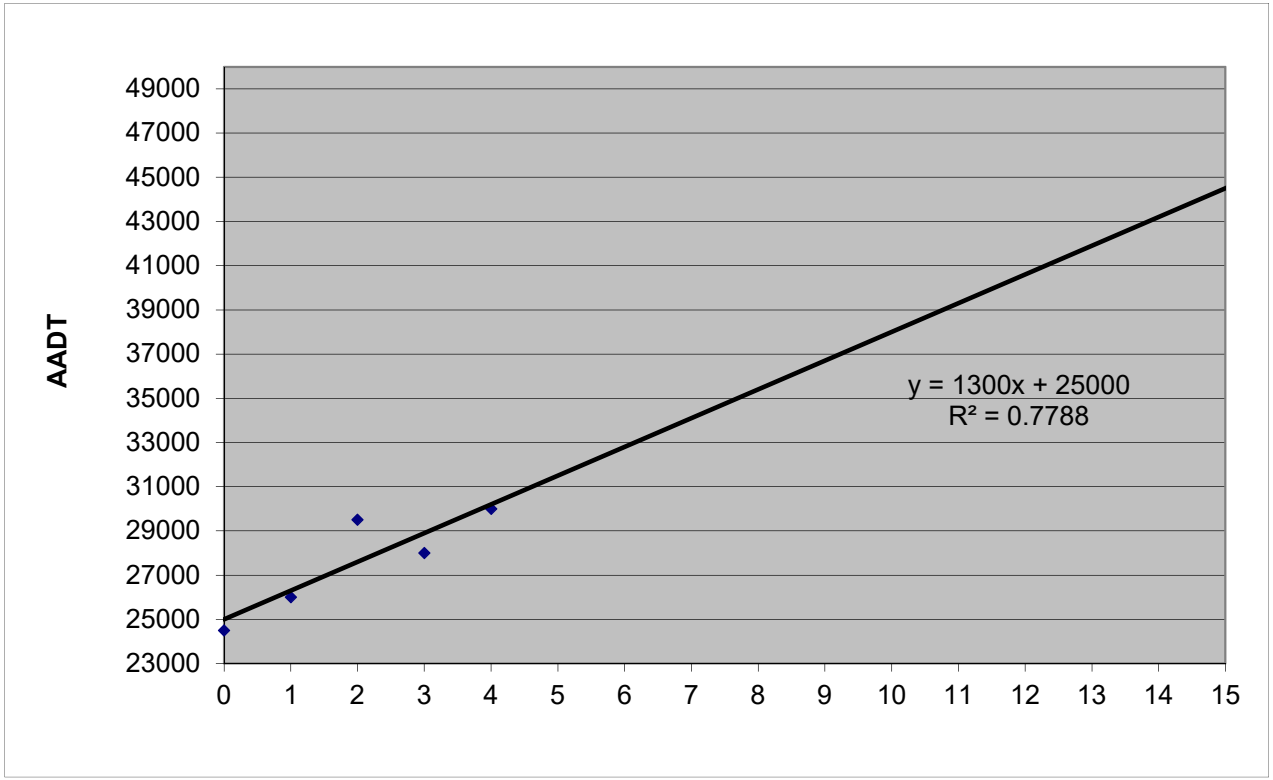

BUCKHOLZ TRAFFIC

FLORIDA DEPARTMENT OF TRANSPORTATION
TRANSPORTATION STATISTICS OFFICE
2019 HISTORICAL AADT REPORT

COUNTY: 26 - ALACHUA

SITE: 0461 - SR 20 .2 MI. NW OF SR 93

YEAR	AADT	DIRECTION 1	DIRECTION 2	*K FACTOR	D FACTOR	T FACTOR
2019	30000 C	N 15000	S 15000	9.50	58.00	5.60
2018	28000 C	N 14000	S 14000	9.50	57.90	4.90
2017	29500 C	N 14500	S 15000	9.50	53.80	4.60
2016	26000 C	N 13000	S 13000	9.50	53.60	4.90
2015	24500 C	N 12500	S 12000	9.50	57.00	5.20
2014	23500 C	N 11500	S 12000	9.50	57.40	5.40
2013	23000 C	N 11500	S 11500	9.50	57.80	5.00
2012	21000 C	N 10500	S 10500	9.50	58.40	4.90
2011	21500 C	N 10500	S 11000	9.50	58.80	5.50
2010	21000 C	N 10500	S 10500	10.13	59.87	5.10
2009	24000 C	N 12000	S 12000	10.04	57.81	6.20
2008	22500 C	N 11000	S 11500	10.17	57.73	7.30
2007	26000 C	N 13000	S 13000	10.22	58.44	5.70
2006	24500 C	N 12000	S 12500	9.98	59.05	6.70
2005	21000 C	N 10500	S 10500	10.10	58.20	19.60
2004	22500 C	N 11500	S 11000	10.20	62.30	9.10

AADT FLAGS: C = COMPUTED; E = MANUAL ESTIMATE; F = FIRST YEAR ESTIMATE
S = SECOND YEAR ESTIMATE; T = THIRD YEAR ESTIMATE; R = FOURTH YEAR ESTIMATE
V = FIFTH YEAR ESTIMATE; 6 = SIXTH YEAR ESTIMATE; X = UNKNOWN
*K FACTOR: STARTING WITH YEAR 2011 IS STANDARDK, PRIOR YEARS ARE K30 VALUES

COUNTY: 26
STATION: 0461
DESCRIPTION: SR 20 .2 MI. NW OF SR 93
START DATE: 08/27/2019
START TIME: 1100

	DIRECTION: N					DIRECTION: S					COMBINED
TIME	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL	TOTAL
0000	15	16	22	27	80	24	18	18	18	78	158
0100	16	9	7	15	47	17	29	16	17	79	126
0200	6	8	7	22	43	11	12	20	26	69	112
0300	19	19	58	44	140	9	16	18	28	71	211
0400	36	56	50	74	216	37	30	53	54	174	390
0500	83	96	124	173	476	58	53	76	67	254	730
0600	184	308	316	341	1149	73	74	94	110	351	1500
0700	447	475	419	234	1575	105	158	162	202	627	2202
0800	279	450	426	318	1473	169	205	215	166	755	2228
0900	241	234	225	216	916	156	150	148	178	632	1548
1000	220	209	196	180	805	190	173	189	159	711	1516
1100	204	177	248	240	869	219	224	214	231	888	1757
1200	213	237	248	178	876	244	220	218	226	908	1784
1300	206	222	205	217	850	245	222	227	230	924	1774
1400	203	197	207	229	836	240	245	247	265	997	1833
1500	213	298	252	203	966	324	299	272	343	1238	2204
1600	208	202	214	228	852	327	356	378	431	1492	2344
1700	253	174	224	200	851	437	448	464	437	1786	2637
1800	177	179	141	146	643	354	321	274	238	1187	1830
1900	127	133	112	108	480	206	192	175	162	735	1215
2000	101	79	108	83	371	152	150	148	133	583	954
2100	72	60	49	101	282	102	91	80	100	373	655
2200	70	50	48	35	203	85	63	78	51	277	480
2300	27	20	19	7	73	34	24	36	28	122	195
24-HOUR TOTALS:					15072					15311	30383

PEAK VOLUME INFORMATION

	DIRECTION: N		DIRECTION: S		COMBINED DIRECTIONS	
	HOUR	VOLUME	HOUR	VOLUME	HOUR	VOLUME
A.M.	645	1682	745	791	800	2228
P.M.	1445	992	1700	1786	1645	2659
DAILY	645	1682	1700	1786	1645	2659

GENERATED BY SPS 5.0.53P

COUNTY: 26
STATION: 0461
DESCRIPTION: SR 20 .2 MI. NW OF SR 93
START DATE: 08/28/2019
START TIME: 1100

	DIRECTION: N					DIRECTION: S					COMBINED
TIME	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL	TOTAL
0000	22	22	15	14	73	32	30	24	20	106	179
0100	32	19	17	12	80	19	25	12	12	68	148
0200	13	9	13	15	50	16	20	26	14	76	126
0300	21	26	62	36	145	15	16	23	32	86	231
0400	39	49	71	66	225	35	34	46	39	154	379
0500	82	102	152	148	484	36	63	79	84	262	746
0600	203	282	341	359	1185	64	76	110	119	369	1554
0700	412	496	513	465	1886	153	143	183	200	679	2565
0800	394	374	386	328	1482	177	215	229	181	802	2284
0900	241	262	247	240	990	153	196	199	251	799	1789
1000	220	222	236	247	925	187	207	209	246	849	1774
1100	219	198	228	215	860	194	219	205	188	806	1666
1200	241	241	267	222	971	228	281	220	257	986	1957
1300	199	250	228	216	893	249	257	227	260	993	1886
1400	203	213	216	221	853	260	286	227	292	1065	1918
1500	228	258	239	201	926	305	281	293	364	1243	2169
1600	224	218	235	253	930	370	339	374	422	1505	2435
1700	246	264	254	220	984	418	430	446	405	1699	2683
1800	238	200	187	156	781	343	366	308	269	1286	2067
1900	170	146	142	122	580	215	228	201	214	858	1438
2000	116	137	106	96	455	191	215	200	155	761	1216
2100	82	57	75	53	267	118	109	126	91	444	711
2200	39	28	60	24	151	83	67	70	51	271	422
2300	33	27	23	14	97	33	51	54	33	171	268
24-HOUR TOTALS:					16273					16338	32611

PEAK VOLUME INFORMATION

	DIRECTION: N		DIRECTION: S		COMBINED DIRECTIONS	
	HOUR	VOLUME	HOUR	VOLUME	HOUR	VOLUME
A.M.	700	1886	745	821	715	2571
P.M.	1645	1017	1645	1716	1645	2733
DAILY	700	1886	1645	1716	1645	2733

GENERATED BY SPS 5.0.53P

TABLE C-2
LINEAR REGRESSION ANALYSIS

US 441, West of SR 235

Year	X	Actual AADT (Y)	**Predicted AADT**
2015	0	19500	**20600**
2016	1	22000	21700
2017	2	24500	22800
2018	3	24000	23900
2019	4	24000	25000
2020	5		26100
2021	6		27200
2022	7		28300
2023	8		29400
2024	9		30500
2025	10		31600
2026	11		32700
2027	12		33800
2028	13		34900
2029	14		36000
2030	15		**37100**

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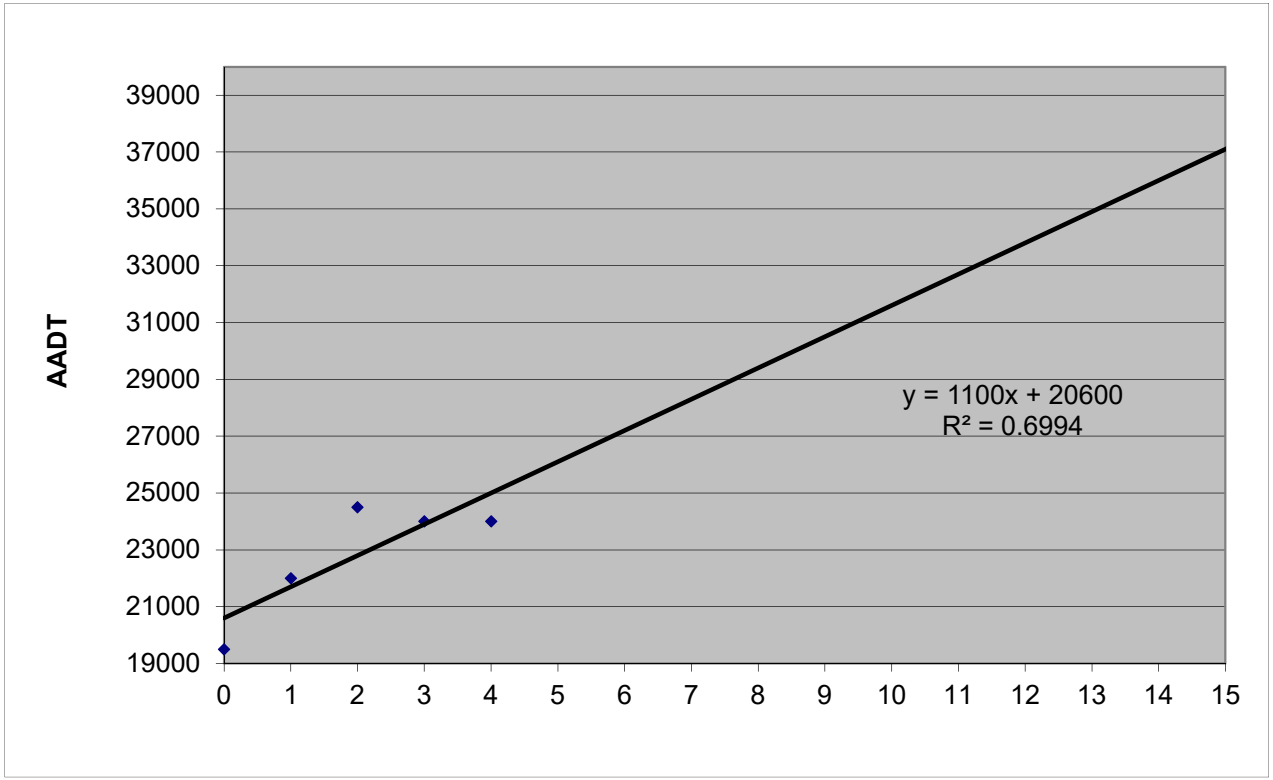

BUCKHOLZ TRAFFIC

FLORIDA DEPARTMENT OF TRANSPORTATION
TRANSPORTATION STATISTICS OFFICE
2019 HISTORICAL AADT REPORT

COUNTY: 26 - ALACHUA

SITE: 5106 - SR 20 .4 MI. NW OF SR 235

YEAR	AADT	DIRECTION 1	DIRECTION 2	*K FACTOR	D FACTOR	T FACTOR
2019	24000 C	N 12000	S 12000	9.50	58.00	5.60
2018	24000 C	N 12000	S 12000	9.50	57.90	4.90
2017	24500 C	N 12500	S 12000	9.50	53.80	4.60
2016	22000 C	N 11000	S 11000	9.50	53.60	4.90
2015	19500 C	N 9700	S 9800	9.50	57.00	5.20
2014	20000 C	N 10000	S 10000	9.50	57.40	5.40
2013	19800 C	N 9800	S 10000	9.50	57.80	5.00
2012	18900 C	N 9600	S 9300	9.50	58.40	4.90
2011	18600 C	N 9200	S 9400	9.50	58.80	5.50
2010	17600 C	N 8700	S 8900	10.13	59.87	5.10
2009	19600 C	N 9600	S 10000	10.04	57.81	6.20
2008	19400 C	N 9800	S 9600	10.17	57.73	7.30
2007	20000 C	N 10000	S 10000	10.22	58.44	5.70
2006	20500 C	N 10000	S 10500	9.98	59.05	6.70
2005	20000 C	N 10000	S 10000	10.10	58.20	19.60
2004	19900 C	N 10000	S 9900	10.20	62.30	9.10

AADT FLAGS: C = COMPUTED; E = MANUAL ESTIMATE; F = FIRST YEAR ESTIMATE
S = SECOND YEAR ESTIMATE; T = THIRD YEAR ESTIMATE; R = FOURTH YEAR ESTIMATE
V = FIFTH YEAR ESTIMATE; 6 = SIXTH YEAR ESTIMATE; X = UNKNOWN
*K FACTOR: STARTING WITH YEAR 2011 IS STANDARDK, PRIOR YEARS ARE K30 VALUES

COUNTY: 26
STATION: 5106
DESCRIPTION: SR 20 .4 MI. NW OF SR 235
START DATE: 05/07/2019
START TIME: 1415

	DIRECTION: N					DIRECTION: S					COMBINED
TIME	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL	TOTAL
0000	22	15	16	10	63	18	21	13	17	69	132
0100	20	10	11	10	51	12	8	4	10	34	85
0200	16	8	5	7	36	6	7	5	7	25	61
0300	6	6	6	14	32	6	16	11	19	52	84
0400	16	10	21	13	60	17	18	28	30	93	153
0500	30	30	40	46	146	55	55	88	107	305	451
0600	50	66	92	116	324	114	183	256	235	788	1112
0700	132	164	195	176	667	293	311	320	297	1221	1888
0800	165	171	179	193	708	268	278	232	228	1006	1714
0900	140	132	144	171	587	194	172	206	164	736	1323
1000	132	138	132	156	558	148	160	164	177	649	1207
1100	177	168	226	238	809	141	178	184	200	703	1512
1200	232	227	233	189	881	217	221	239	229	906	1787
1300	208	195	185	206	794	214	194	190	200	798	1592
1400	215	238	231	224	908	183	187	217	160	747	1655
1500	235	223	243	254	955	192	218	220	169	799	1754
1600	264	285	331	297	1177	216	161	189	222	788	1965
1700	343	345	343	294	1325	182	201	215	187	785	2110
1800	277	252	214	168	911	194	165	166	125	650	1561
1900	140	137	133	134	544	124	132	120	93	469	1013
2000	128	119	106	75	428	107	114	118	107	446	874
2100	81	75	74	47	277	94	74	62	61	291	568
2200	45	45	43	33	166	37	42	30	44	153	319
2300	16	20	22	23	81	23	13	23	18	77	158
24-HOUR TOTALS:					12488					12590	25078

PEAK VOLUME INFORMATION

	DIRECTION: N		DIRECTION: S		COMBINED DIRECTIONS	
	HOUR	VOLUME	HOUR	VOLUME	HOUR	VOLUME
A.M.	800	708	700	1221	715	1896
P.M.	1645	1328	1200	906	1645	2148
DAILY	1645	1328	700	1221	1645	2148

GENERATED BY SPS 5.0.53P

COUNTY: 26
STATION: 5106
DESCRIPTION: SR 20 .4 MI. NW OF SR 235
START DATE: 05/08/2019
START TIME: 1415

	DIRECTION: N					DIRECTION: S					COMBINED
TIME	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL	TOTAL
0000	26	25	18	13	82	21	24	21	5	71	153
0100	10	6	13	10	39	14	15	10	8	47	86
0200	7	11	4	12	34	5	9	7	7	28	62
0300	8	5	11	10	34	7	14	13	25	59	93
0400	14	14	13	16	57	24	26	30	38	118	175
0500	25	29	51	40	145	50	59	83	110	302	447
0600	57	74	84	129	344	111	186	234	243	774	1118
0700	126	156	201	186	669	299	319	331	326	1275	1944
0800	184	164	163	187	698	296	261	271	255	1083	1781
0900	143	146	150	174	613	183	169	226	186	764	1377
1000	140	146	163	149	598	154	165	181	182	682	1280
1100	188	177	278	238	881	179	191	174	198	742	1623
1200	248	236	196	217	897	202	235	209	208	854	1751
1300	190	229	227	222	868	241	212	188	207	848	1716
1400	189	209	197	210	805	191	182	184	182	739	1544
1500	247	233	242	232	954	172	203	241	216	832	1786
1600	265	258	297	305	1125	174	207	222	215	818	1943
1700	330	350	330	307	1317	195	206	240	208	849	2166
1800	261	257	241	206	965	184	167	154	149	654	1619
1900	143	158	161	126	588	145	133	118	109	505	1093
2000	148	108	106	100	462	103	127	118	101	449	911
2100	87	103	72	69	331	90	89	80	66	325	656
2200	69	63	40	30	202	64	50	39	30	183	385
2300	32	37	9	20	98	30	26	25	24	105	203
24-HOUR TOTALS:					12806					13106	25912

PEAK VOLUME INFORMATION

	DIRECTION: N		DIRECTION: S		COMBINED DIRECTIONS	
	HOUR	VOLUME	HOUR	VOLUME	HOUR	VOLUME
A.M.	730	735	700	1275	715	1999
P.M.	1700	1317	1215	893	1645	2171
DAILY	1700	1317	700	1275	1645	2171

GENERATED BY SPS 5.0.53P

TABLE C-3
LINEAR REGRESSION ANALYSIS

I-75 to US 441 Northbound Cloverleaf Off-Ramp (East of I-75)

Year	X	Actual AADT (Y)	**Predicted AADT**
2015	0	5700	**6600**
2016	1	8600	6710
2017	2	6100	6820
2018	3	6300	6930
2019	4	7400	7040
2020	5		7150
2021	6		7260
2022	7		7370
2023	8		7480
2024	9		7590
2025	10		7700
2026	11		7810
2027	12		7920
2028	13		8030
2029	14		8140
2030	15		**8250**

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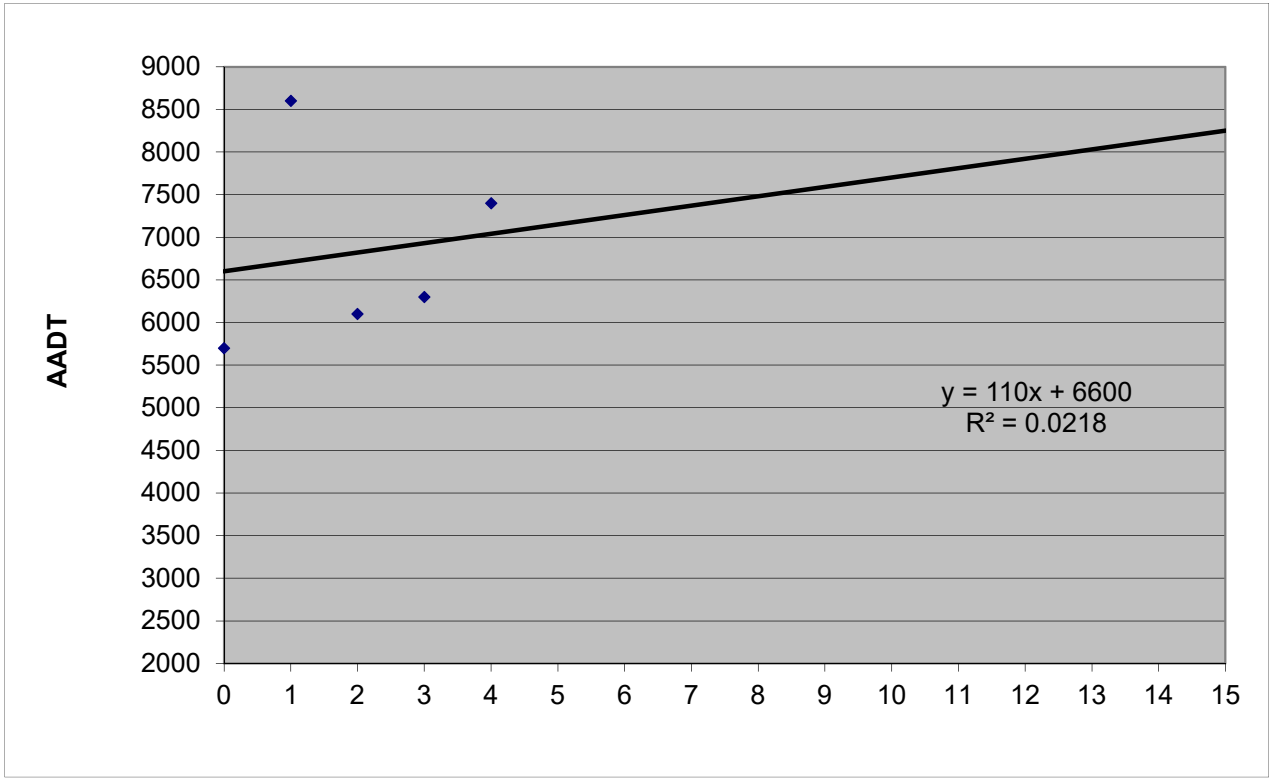

BUCKHOLZ TRAFFIC

FLORIDA DEPARTMENT OF TRANSPORTATION
TRANSPORTATION STATISTICS OFFICE
2019 HISTORICAL AADT REPORT

COUNTY: 26 - ALACHUA

SITE: 4021 - RAMP I-75 NB TO US 441

YEAR	AADT	DIRECTION 1	DIRECTION 2	*K FACTOR	D FACTOR	T FACTOR
2019	7400 C	N 7400	0	9.50	99.90	29.40
2018	6300 C	N 6300	0	9.50	99.90	28.10
2017	6100 C	N 6100	0	9.50	99.90	28.30
2016	8600 C	N 8600	0	9.50	99.90	28.20
2015	5700 C	N 5700	0	9.00	99.90	19.70
2014	5700 C	N 5700		9.00	99.90	18.50
2013	5700 C	N 5700	0	9.00	99.90	16.30
2012	6600 C	N 6600	0	9.00	99.90	19.00
2011	5600 C	N 5600	0	9.00	99.90	18.00
2010	6600 C	N 6600	0	13.54	99.99	17.80
2009	6100 C	N 6100	0	13.63	99.99	18.20
2008	5400 C	N 5400	0	13.38	99.99	22.00
2007	5800 C	N 5800	0	11.99	99.99	23.50
2006	7100 C	N 7100	0	13.35	99.99	12.80
2005	6800 C	N 6800		13.20	99.90	14.90

AADT FLAGS: C = COMPUTED; E = MANUAL ESTIMATE; F = FIRST YEAR ESTIMATE
S = SECOND YEAR ESTIMATE; T = THIRD YEAR ESTIMATE; R = FOURTH YEAR ESTIMATE
V = FIFTH YEAR ESTIMATE; 6 = SIXTH YEAR ESTIMATE; X = UNKNOWN
*K FACTOR: STARTING WITH YEAR 2011 IS STANDARDK, PRIOR YEARS ARE K30 VALUES

COUNTY: 26
STATION: 4021
DESCRIPTION: RAMP I-75 NB TO US 441
START DATE: 08/21/2019
START TIME: 1000

DIRECTION: N

TIME	1ST	2ND	3RD	4TH	TOTAL
0000	27	26	14	26	93
0100	22	19	5	7	53
0200	7	18	14	8	47
0300	13	8	11	31	63
0400	17	15	36	25	93
0500	24	48	41	48	161
0600	41	65	80	88	274
0700	89	135	137	154	515
0800	125	111	119	113	468
0900	89	115	90	102	396
1000	81	96	100	115	392
1100	155	108	108	124	495
1200	136	148	133	119	536
1300	109	128	149	147	533
1400	148	172	154	141	615
1500	142	200	169	202	713
1600	209	209	229	231	878
1700	239	320	233	252	1044
1800	190	181	142	116	629
1900	138	118	93	95	444
2000	72	75	84	59	290
2100	77	78	67	70	292
2200	40	39	34	26	139
2300	26	30	29	24	109
24-HOUR TOTALS:					9272

PEAK VOLUME INFORMATION

	HOUR	VOLUME
A.M.	715	551
P.M.	1700	1044
DAILY	1700	1044

GENERATED BY SPS 5.0.53P

TABLE C-4
LINEAR REGRESSION ANALYSIS

US 441 to I-75 Northbound On-Ramp (East of I-75)

Year	X	Actual AADT (Y)	**Predicted AADT**
2015	0	2600	**2580**
2016	1	2700	2630
2017	2	2600	2680
2018	3	2600	2730
2019	4	2900	2780
2020	5		2830
2021	6		2880
2022	7		2930
2023	8		2980
2024	9		3030
2025	10		3080
2026	11		3130
2027	12		3180
2028	13		3230
2029	14		3280
2030	15		**3330**

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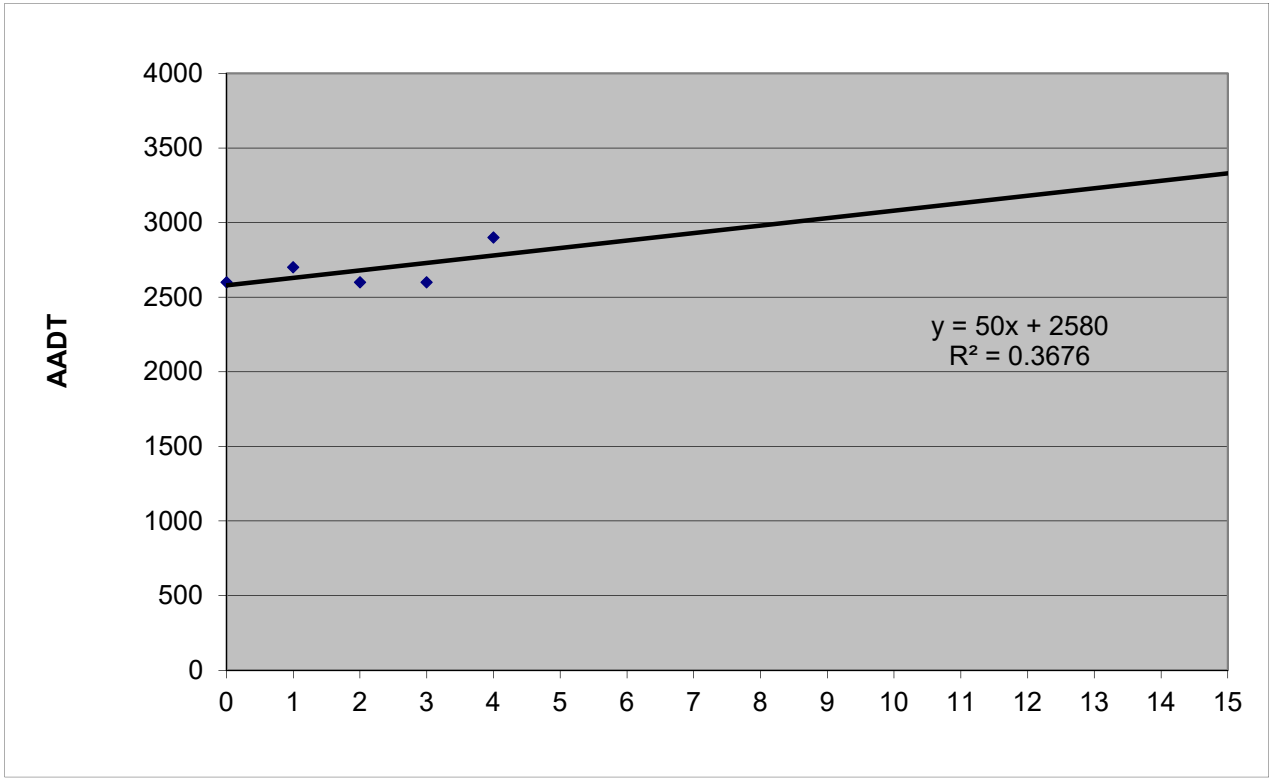

BUCKHOLZ TRAFFIC

TABLE C-5
LINEAR REGRESSION ANALYSIS

I-75 to US 441 Southbound Off-Ramp (West of I-75)

Year	X	Actual AADT (Y)	**Predicted AADT**
2015	0	2400	**2500**
2016	1	2400	2470
2017	2	2800	2440
2018	3	2300	2410
2019	4	2300	2380
2020	5		2350
2021	6		2320
2022	7		2290
2023	8		2260
2024	9		2230
2025	10		2200
2026	11		2170
2027	12		2140
2028	13		2110
2029	14		2080
2030	15		**2050**

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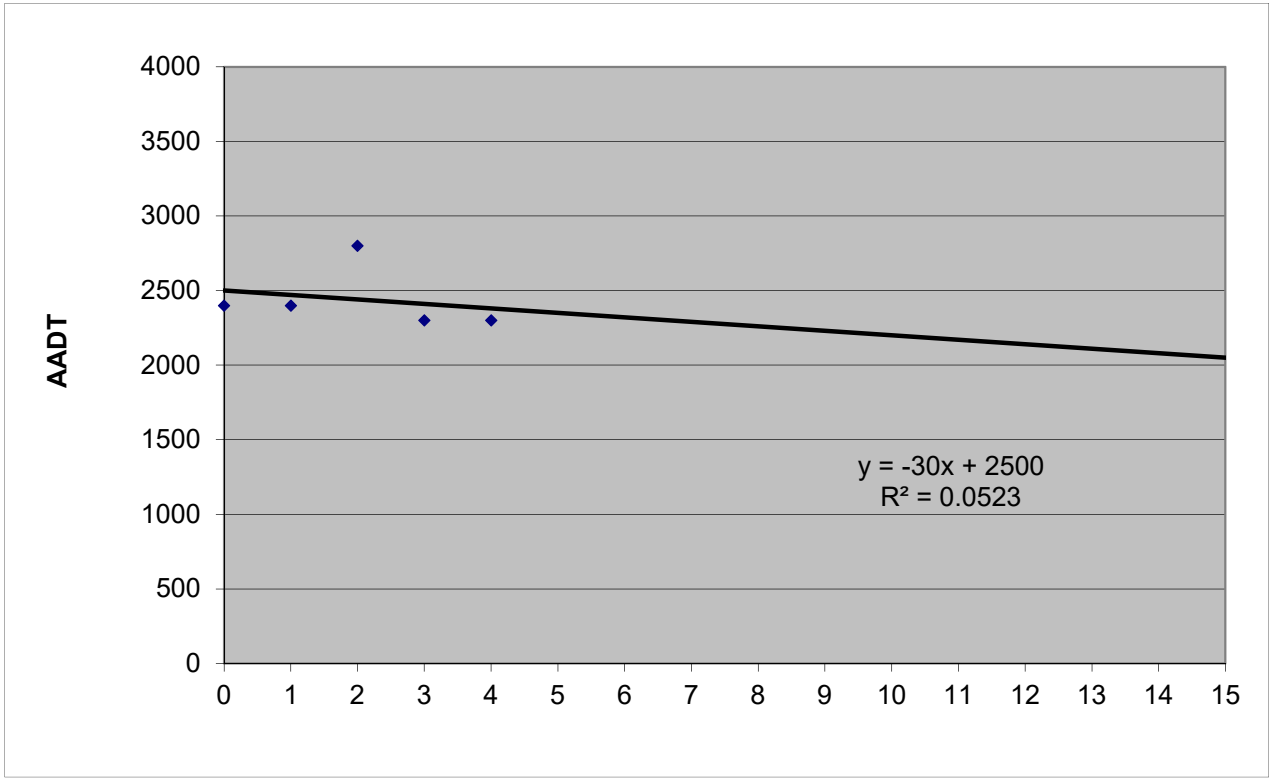

BUCKHOLZ TRAFFIC

FLORIDA DEPARTMENT OF TRANSPORTATION
TRANSPORTATION STATISTICS OFFICE
2019 HISTORICAL AADT REPORT

COUNTY: 26 - ALACHUA

SITE: 4022 - RAMP I-75 SB TO US 441

YEAR	AADT	DIRECTION 1	DIRECTION 2	*K FACTOR	D FACTOR	T FACTOR
2019	2300 C	S 2300	0	9.50	99.90	29.40
2018	2300 C	S 2300	0	9.50	99.90	28.10
2017	2800 C	S 2800	0	9.50	99.90	28.30
2016	2400 C	S 2400	0	9.50	99.90	28.20
2015	2400 C	S 2400	0	9.00	99.90	19.70
2014	2400 C	S 2400		9.00	99.90	18.50
2013	2200 C	S 2200	0	9.00	99.90	16.30
2012	2500 C	S 2500	0	9.00	99.90	19.00
2011	2400 C	S 2400	0	9.00	99.90	18.00
2010	2400 C	S 2400	0	13.54	99.99	17.80
2009	2300 C	S 2300	0	13.63	99.99	18.20
2008	2300 C	S 2300	0	13.38	99.99	22.00
2007	2400 C	S 2400	0	11.99	99.99	23.50
2006	2900 C	S 2900	0	13.35	99.99	12.80
2005	2900 C	S 2900		13.20	99.90	14.90

AADT FLAGS: C = COMPUTED; E = MANUAL ESTIMATE; F = FIRST YEAR ESTIMATE
S = SECOND YEAR ESTIMATE; T = THIRD YEAR ESTIMATE; R = FOURTH YEAR ESTIMATE
V = FIFTH YEAR ESTIMATE; 6 = SIXTH YEAR ESTIMATE; X = UNKNOWN
*K FACTOR: STARTING WITH YEAR 2011 IS STANDARDK, PRIOR YEARS ARE K30 VALUES

COUNTY: 26
STATION: 4022
DESCRIPTION: RAMP I-75 SB TO US 441
START DATE: 04/02/2019
START TIME: 1015

DIRECTION: S

TIME	1ST	2ND	3RD	4TH	TOTAL
0000	9	8	6	13	36
0100	10	8	2	2	22
0200	2	16	9	5	32
0300	9	8	8	24	49
0400	19	22	21	25	87
0500	14	30	33	36	113
0600	35	48	60	51	194
0700	47	75	82	60	264
0800	56	46	59	50	211
0900	39	46	50	45	180
1000	42	34	49	49	174
1100	36	64	58	57	215
1200	45	44	40	47	176
1300	40	51	44	35	170
1400	57	45	47	42	191
1500	45	49	50	42	186
1600	52	49	64	40	205
1700	49	64	68	32	213
1800	48	46	39	37	170
1900	36	31	23	23	113
2000	30	12	23	29	94
2100	17	11	14	23	65
2200	19	14	16	11	60
2300	15	17	10	10	52
24-HOUR TOTALS:					3272

PEAK VOLUME INFORMATION

	HOUR	VOLUME
A.M.	715	273
P.M.	1645	221
DAILY	715	273

GENERATED BY SPS 5.0.53P

TABLE C-6
LINEAR REGRESSION ANALYSIS

Westbound US 441 Cloverleaf On-Ramp to I-75 Southbound (West of I-75)

Year	X	Actual AADT (Y)	**Predicted AADT**
2015	0	1800	**1780**
2016	1		1700
2017	2	1700	1620
2018	3	1300	1540
2019	4	1600	1460
2020	5		1380
2021	6		1300
2022	7		1220
2023	8		1140
2024	9		1060
2025	10		980
2026	11		900
2027	12		820
2028	13		740
2029	14		660
2030	15		**580**

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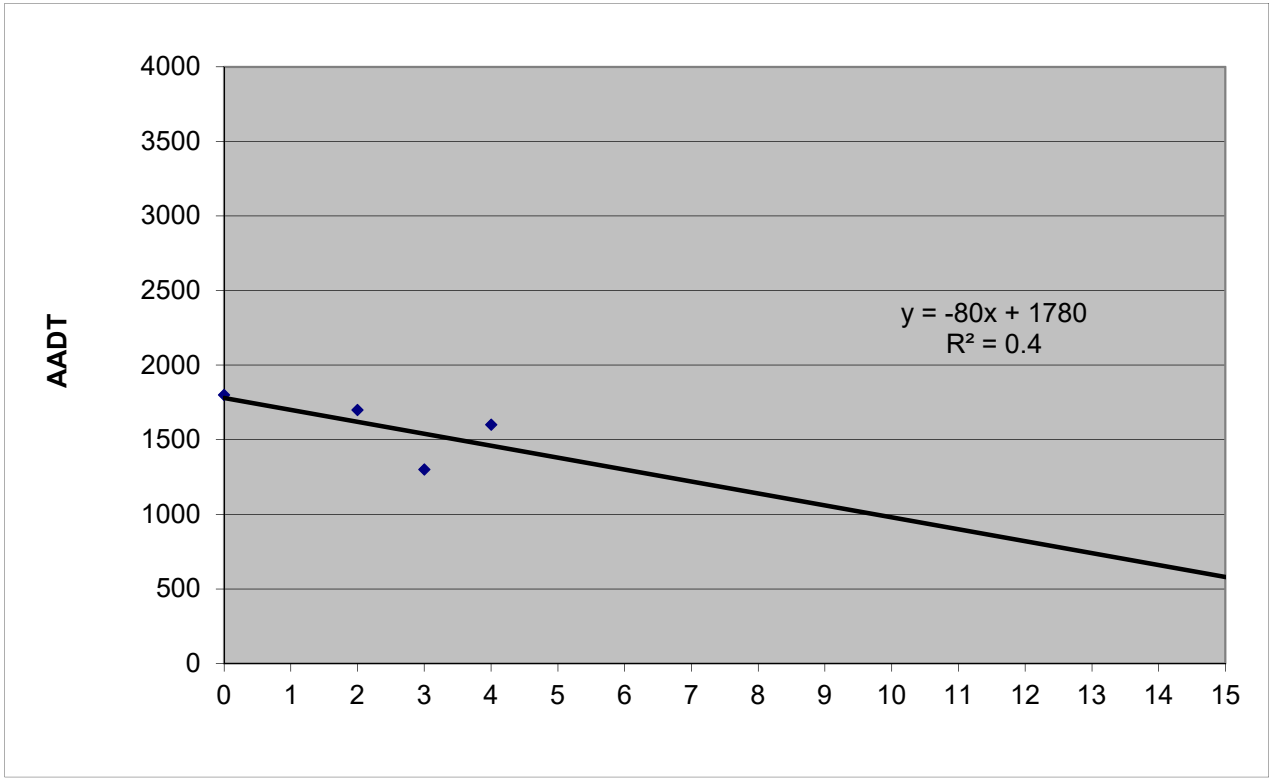

BUCKHOLZ TRAFFIC

FLORIDA DEPARTMENT OF TRANSPORTATION
TRANSPORTATION STATISTICS OFFICE
2019 HISTORICAL AADT REPORT

COUNTY: 26 - ALACHUA

SITE: 4023 - RAMP US 441 NB TO I-75 SB

YEAR	AADT	DIRECTION 1	DIRECTION 2	*K FACTOR	D FACTOR	T FACTOR
2019	1600 C	S 1600	0	9.50	99.90	29.40
2018	1300 C	S 1300	0	9.50	99.90	28.10
2017	1700 C	S 1700	0	9.50	99.90	28.30
2016	4300 C	S 4300	0	9.50	99.90	28.20
2015	1800 C	S 1800	0	9.00	99.90	19.70
2014	5200 C	S 5200		9.00	99.90	18.50
2013	5800 C	S 5800	0	9.00	99.90	16.30
2012	6300 C	S 6300	0	9.00	99.90	19.00
2011	5700 C	S 5700	0	9.00	99.90	18.00
2010	6200 C	S 6200	0	13.54	99.99	17.80
2009	5100 C	S 5100	0	13.63	99.99	18.20
2008	5300 C	S 5300	0	13.38	99.99	22.00
2007	5700 C	S 5700	0	11.99	99.99	23.50
2006	6700 C	S 6700	0	13.35	99.99	12.80
2005	7100 C	S 7100		13.20	99.90	14.90

AADT FLAGS: C = COMPUTED; E = MANUAL ESTIMATE; F = FIRST YEAR ESTIMATE
S = SECOND YEAR ESTIMATE; T = THIRD YEAR ESTIMATE; R = FOURTH YEAR ESTIMATE
V = FIFTH YEAR ESTIMATE; 6 = SIXTH YEAR ESTIMATE; X = UNKNOWN
*K FACTOR: STARTING WITH YEAR 2011 IS STANDARDK, PRIOR YEARS ARE K30 VALUES

COUNTY: 26
STATION: 4023
DESCRIPTION: RAMP US 441 NB TO I-75 SB
START DATE: 04/02/2019
START TIME: 1030

DIRECTION: S

TIME	1ST	2ND	3RD	4TH	TOTAL
0000	4	1	5	3	13
0100	1	2	1	1	5
0200	1	1	2	1	5
0300	1	3	2	3	9
0400	7	2	10	3	22
0500	6	7	14	19	46
0600	22	29	36	35	122
0700	48	55	58	56	217
0800	42	39	38	42	161
0900	30	35	33	27	125
1000	27	26	24	43	120
1100	26	40	42	42	150
1200	27	45	44	36	152
1300	36	37	46	35	154
1400	26	26	28	21	101
1500	39	31	37	35	142
1600	40	29	54	43	166
1700	71	52	56	37	216
1800	36	28	32	15	111
1900	32	24	22	11	89
2000	15	16	11	7	49
2100	13	12	11	10	46
2200	11	6	10	7	34
2300	3	2	5	2	12
24-HOUR TOTALS:					2267

PEAK VOLUME INFORMATION

	HOUR	VOLUME
A.M.	700	217
P.M.	1645	222
DAILY	1645	222

GENERATED BY SPS 5.0.53P

TABLE C-7
LINEAR REGRESSION ANALYSIS

Eastbound US 441 On-Ramp to I-75 Southbound (West of I-75)

Year	X	Actual AADT (Y)	**Predicted AADT**
2015	0	4400	**4240**
2016	1	3900	4230
2017	2	4300	4220
2018	3	4400	4210
2019	4	4100	4200
2020	5		4190
2021	6		4180
2022	7		4170
2023	8		4160
2024	9		4150
2025	10		4140
2026	11		4130
2027	12		4120
2028	13		4110
2029	14		4100
2030	15		**4090**

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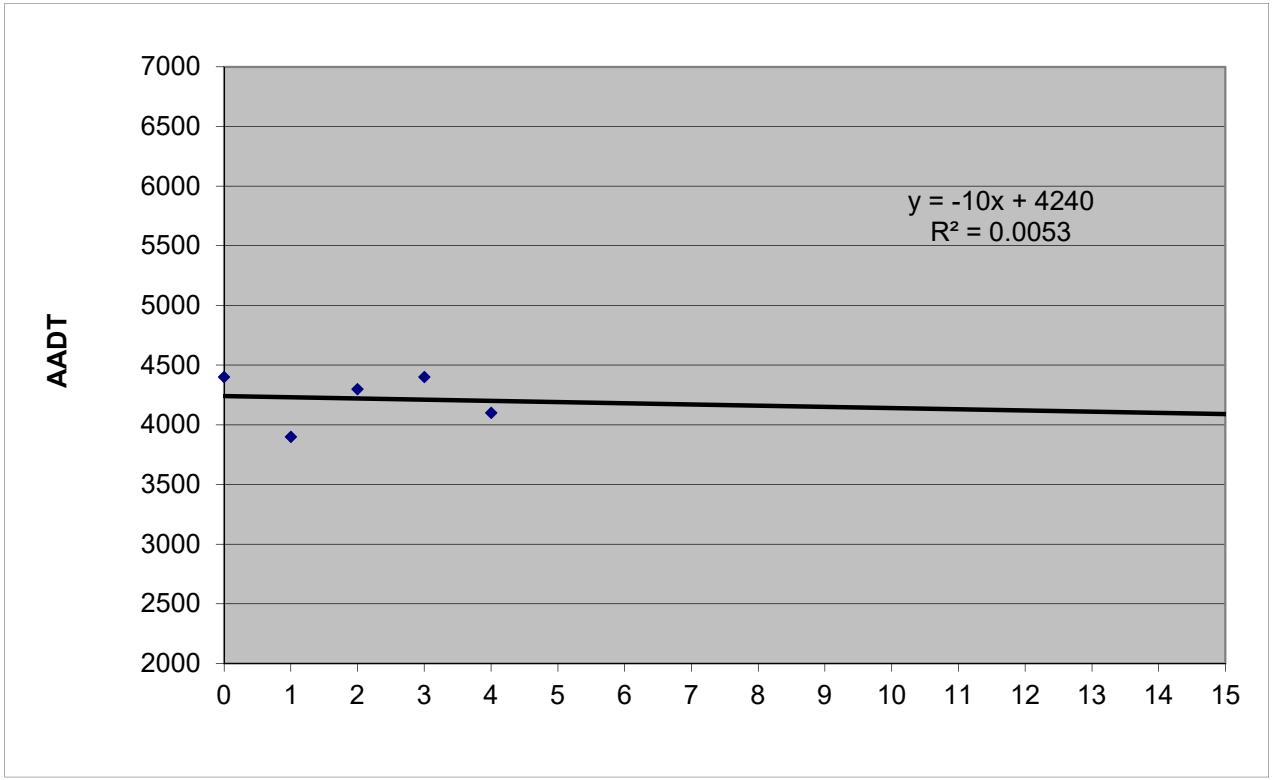


BUCKHOLZ TRAFFIC

FLORIDA DEPARTMENT OF TRANSPORTATION
TRANSPORTATION STATISTICS OFFICE
2019 HISTORICAL AADT REPORT

COUNTY: 26 - ALACHUA

SITE: 4029 - RAMP US 41 SB TO I-75 SB

YEAR	AADT	DIRECTION 1	DIRECTION 2	*K FACTOR	D FACTOR	T FACTOR
2019	4100 C	S 4100	0	9.00	99.90	29.40
2018	4400 C	S 4400	0	9.00	99.90	28.10
2017	4300 C	S 4300	0	9.00	99.90	28.30
2016	3900 C	S 3900	0	9.00	99.90	28.20
2015	4400 C	S 4400	0	9.00	99.90	19.70

AADT FLAGS: C = COMPUTED; E = MANUAL ESTIMATE; F = FIRST YEAR ESTIMATE
S = SECOND YEAR ESTIMATE; T = THIRD YEAR ESTIMATE; R = FOURTH YEAR ESTIMATE
V = FIFTH YEAR ESTIMATE; 6 = SIXTH YEAR ESTIMATE; X = UNKNOWN
*K FACTOR: STARTING WITH YEAR 2011 IS STANDARDK, PRIOR YEARS ARE K30 VALUES

COUNTY: 26
STATION: 4029
DESCRIPTION: RAMP US 41 SB TO I-75 SB
START DATE: 04/02/2019
START TIME: 1030

DIRECTION: S

TIME	1ST	2ND	3RD	4TH	TOTAL
0000	15	7	10	9	41
0100	14	16	14	2	46
0200	7	13	15	8	43
0300	9	14	32	35	90
0400	27	30	14	42	113
0500	36	40	59	58	193
0600	97	149	133	160	539
0700	153	206	173	146	678
0800	114	122	119	115	470
0900	133	100	80	85	398
1000	92	60	112	72	336
1100	95	67	82	65	309
1200	93	87	100	81	361
1300	70	72	84	59	285
1400	61	84	70	53	268
1500	87	78	73	56	294
1600	70	51	87	58	266
1700	56	65	70	57	248
1800	70	69	66	62	267
1900	42	26	38	42	148
2000	42	32	24	29	127
2100	23	26	23	22	94
2200	22	15	15	11	63
2300	14	11	11	8	44
24-HOUR TOTALS:					5721

PEAK VOLUME INFORMATION

	HOUR	VOLUME
A.M.	645	692
P.M.	1200	361
DAILY	645	692

GENERATED BY SPS 5.0.53P

2019 PEAK SEASON FACTOR CATEGORY REPORT - REPORT TYPE: ALL
CATEGORY: 2600 ALACHUA COUNTYWIDE

MOCF: 0.97

WEEK	DATES	SF	PSCF
1	01/01/2019 - 01/05/2019	1.05	1.08
2	01/06/2019 - 01/12/2019	1.04	1.07
3	01/13/2019 - 01/19/2019	1.03	1.06
4	01/20/2019 - 01/26/2019	1.02	1.05
5	01/27/2019 - 02/02/2019	1.01	1.04
6	02/03/2019 - 02/09/2019	0.99	1.02
* 7	02/10/2019 - 02/16/2019	0.98	1.01
* 8	02/17/2019 - 02/23/2019	0.97	1.00
* 9	02/24/2019 - 03/02/2019	0.97	1.00
*10	03/03/2019 - 03/09/2019	0.96	0.99
*11	03/10/2019 - 03/16/2019	0.96	0.99
*12	03/17/2019 - 03/23/2019	0.96	0.99
*13	03/24/2019 - 03/30/2019	0.96	0.99
*14	03/31/2019 - 04/06/2019	0.96	0.99
*15	04/07/2019 - 04/13/2019	0.96	0.99
*16	04/14/2019 - 04/20/2019	0.96	0.99
*17	04/21/2019 - 04/27/2019	0.97	1.00
*18	04/28/2019 - 05/04/2019	0.98	1.01
*19	05/05/2019 - 05/11/2019	0.99	1.02
20	05/12/2019 - 05/18/2019	1.00	1.03
21	05/19/2019 - 05/25/2019	1.00	1.03
22	05/26/2019 - 06/01/2019	1.01	1.04
23	06/02/2019 - 06/08/2019	1.02	1.05
24	06/09/2019 - 06/15/2019	1.03	1.06
25	06/16/2019 - 06/22/2019	1.03	1.06
26	06/23/2019 - 06/29/2019	1.04	1.07
27	06/30/2019 - 07/06/2019	1.04	1.07
28	07/07/2019 - 07/13/2019	1.05	1.08
29	07/14/2019 - 07/20/2019	1.06	1.09
30	07/21/2019 - 07/27/2019	1.04	1.07
31	07/28/2019 - 08/03/2019	1.03	1.06
32	08/04/2019 - 08/10/2019	1.01	1.04
33	08/11/2019 - 08/17/2019	1.00	1.03
34	08/18/2019 - 08/24/2019	0.99	1.02
35	08/25/2019 - 08/31/2019	0.99	1.02
36	09/01/2019 - 09/07/2019	0.99	1.02
37	09/08/2019 - 09/14/2019	0.99	1.02
38	09/15/2019 - 09/21/2019	0.99	1.02
39	09/22/2019 - 09/28/2019	0.99	1.02
40	09/29/2019 - 10/05/2019	0.98	1.01
41	10/06/2019 - 10/12/2019	0.98	1.01
42	10/13/2019 - 10/19/2019	0.98	1.01
43	10/20/2019 - 10/26/2019	0.99	1.02
44	10/27/2019 - 11/02/2019	1.00	1.03
45	11/03/2019 - 11/09/2019	1.01	1.04
46	11/10/2019 - 11/16/2019	1.03	1.06
47	11/17/2019 - 11/23/2019	1.03	1.06
48	11/24/2019 - 11/30/2019	1.04	1.07
49	12/01/2019 - 12/07/2019	1.04	1.07
50	12/08/2019 - 12/14/2019	1.05	1.08
51	12/15/2019 - 12/21/2019	1.05	1.08
52	12/22/2019 - 12/28/2019	1.04	1.07
53	12/29/2019 - 12/31/2019	1.03	1.06

* PEAK SEASON

APPENDIX D

TRIP DISTRIBUTION CALCULATIONS



APPENDIX E

UNSIGNALIZED INTERSECTION CAPACITY CALCULATIONS



AM PEAK HOUR

HCS7 Two-Way Stop-Control Report

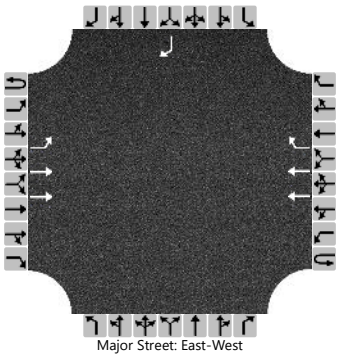
General Information

Analyst	J. Buckholz
Agency/Co.	BUCKHOLZ TRAFFIC
Date Performed	9/28/2021
Analysis Year	2025
Time Analyzed	AM Peak Hr, BUILD Traffic
Intersection Orientation	East-West
Project Description	#20-1654

Site Information

Intersection	US 441/East Driveway
Jurisdiction	Alachua County
East/West Street	US 441
North/South Street	East Driveway
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	2	0	0	0	2	1		0	0	0		0	0	1
Configuration		L	T				T	R								R
Volume (veh/h)	0	137	1179				921	67								262
Percent Heavy Vehicles (%)	0	2														2
Proportion Time Blocked		0.600														0.600
Percent Grade (%)													0			
Right Turn Channelized						No								No		
Median Type | Storage			Undivided													

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1														6.9
Critical Headway (sec)		4.14														6.94
Base Follow-Up Headway (sec)		2.2														3.3
Follow-Up Headway (sec)		2.22														3.32

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		146														279
Capacity, c (veh/h)		649														434
v/c Ratio		0.22														0.64
95% Queue Length, Q_{95} (veh)		0.9														4.4
Control Delay (s/veh)		12.2														27.0
Level of Service (LOS)		B														D
Approach Delay (s/veh)		1.3												27.0		
Approach LOS														D		

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HCS7 Two-Way Stop-Control Report

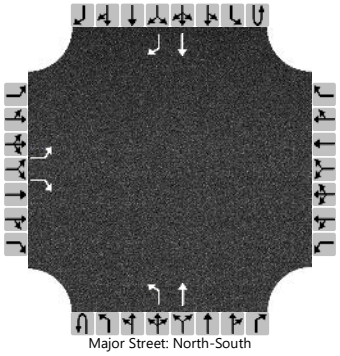
General Information

Analyst	J. Buckholz
Agency/Co.	BUCKHOLZ TRAFFIC
Date Performed	9/28/2021
Analysis Year	2025
Time Analyzed	AM Peak Hour - BUILD
Intersection Orientation	North-South
Project Description	#20-1654

Site Information

Intersection	CR 241/Site Drive
Jurisdiction	Alachua County
East/West Street	Site Drive
North/South Street	CR241
Peak Hour Factor	0.98
Analysis Time Period (hrs)	0.25

Lanes


Major Street: North-South

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		1	0	1		0	0	0	0	1	1	0	0	0	1	1
Configuration		L		R						L	T				T	R
Volume (veh/h)		8		102						32	34				156	3
Percent Heavy Vehicles (%)		2		2						2						
Proportion Time Blocked																
Percent Grade (%)		0														
Right Turn Channelized		No												No		
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		7.1		6.2						4.1						
Critical Headway (sec)		6.42		6.22						4.12						
Base Follow-Up Headway (sec)		3.5		3.3						2.2						
Follow-Up Headway (sec)		3.52		3.32						2.22						

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		8		104						33						
Capacity, c (veh/h)		713		886						1417						
v/c Ratio		0.01		0.12						0.02						
95% Queue Length, Q_{95} (veh)		0.0		0.4						0.1						
Control Delay (s/veh)		10.1		9.6						7.6						
Level of Service (LOS)		B		A						A						
Approach Delay (s/veh)		9.6								3.7						
Approach LOS		A														

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PM PEAK HOUR

HCS7 Two-Way Stop-Control Report

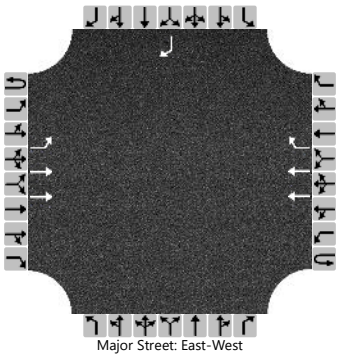
General Information

Analyst	J. Buckholz
Agency/Co.	BUCKHOLZ TRAFFIC
Date Performed	9/28/2021
Analysis Year	2025
Time Analyzed	PM Peak Hr, BUILD Traffic
Intersection Orientation	East-West
Project Description	#20-1654

Site Information

Intersection	US 441/East Driveway
Jurisdiction	Alachua County
East/West Street	US 441
North/South Street	East Driveway
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	2	0	0	0	2	1		0	0	0		0	0	1
Configuration		L	T				T	R								R
Volume (veh/h)	0	290	1206				1799	123								197
Percent Heavy Vehicles (%)	0	2														2
Proportion Time Blocked		0.600														0.600
Percent Grade (%)													0			
Right Turn Channelized						No								No		
Median Type | Storage			Undivided													

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1														6.9
Critical Headway (sec)		4.14														6.94
Base Follow-Up Headway (sec)		2.2														3.3
Follow-Up Headway (sec)		2.22														3.32

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		309														210
Capacity, c (veh/h)		385														434
v/c Ratio		0.80														0.48
95% Queue Length, Q_{95} (veh)		7.0														2.6
Control Delay (s/veh)		42.8														20.8
Level of Service (LOS)		E														C
Approach Delay (s/veh)		8.3												20.8		
Approach LOS														C		

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HCS7 Two-Way Stop-Control Report

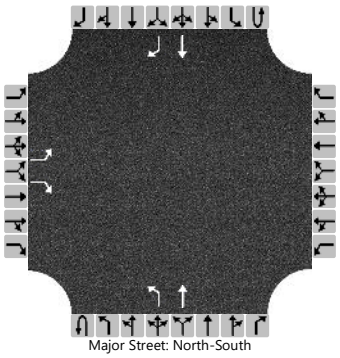
General Information

Analyst	J. Buckholz
Agency/Co.	BUCKHOLZ TRAFFIC
Date Performed	9/30/2021
Analysis Year	2025
Time Analyzed	PM Peak Hour - BUILD
Intersection Orientation	North-South
Project Description	#20-1654

Site Information

Intersection	CR 241/Site Drive
Jurisdiction	Alachua County
East/West Street	Site Drive
North/South Street	CR241
Peak Hour Factor	0.91
Analysis Time Period (hrs)	0.25

Lanes


Major Street: North-South

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		1	0	1		0	0	0	0	1	1	0	0	0	1	1
Configuration		L		R						L	T				T	R
Volume (veh/h)		5		65						110	162				72	8
Percent Heavy Vehicles (%)		2		2						2						
Proportion Time Blocked																
Percent Grade (%)		0														
Right Turn Channelized		No												No		
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		7.1		6.2						4.1						
Critical Headway (sec)		6.42		6.22						4.12						
Base Follow-Up Headway (sec)		3.5		3.3						2.2						
Follow-Up Headway (sec)		3.52		3.32						2.22						

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		5		71						121						
Capacity, c (veh/h)		489		981						1508						
v/c Ratio		0.01		0.07						0.08						
95% Queue Length, Q_{95} (veh)		0.0		0.2						0.3						
Control Delay (s/veh)		12.5		9.0						7.6						
Level of Service (LOS)		B		A						A						
Approach Delay (s/veh)		9.2								3.1						
Approach LOS		A														

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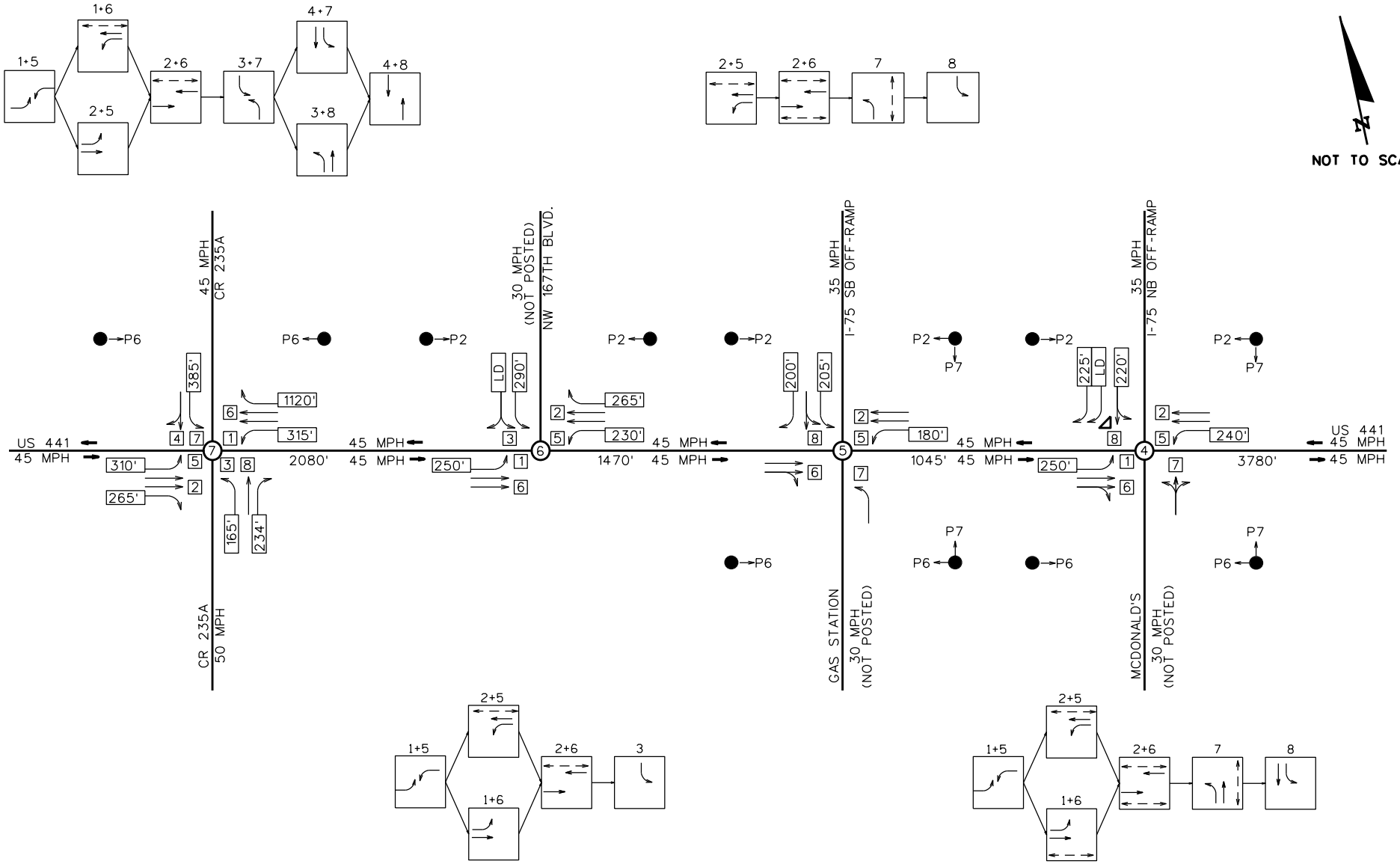
APPENDIX F

FUTURE SIGNAL TIMINGS





NODE NO. (1)
STORAGE LENGTH 315'
MOVEMENT NO. 2
SIGNAL OPERATING PLAN
LANE DROP LD

SIGNAL OPERATING PLAN
PEDESTRIAN SIGNAL
LANE GEOMETRY

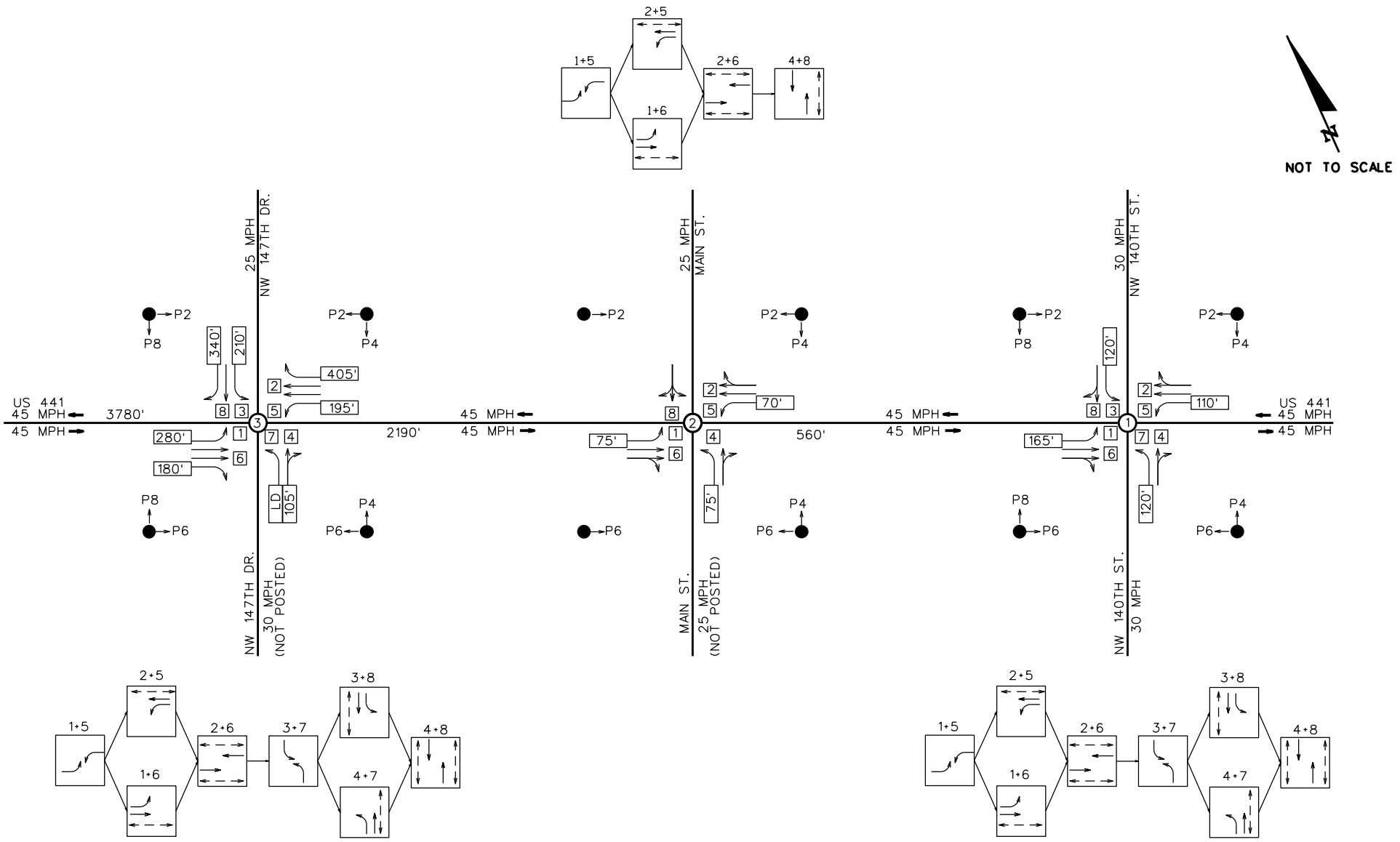
HDR Engineering, Inc.
315 E. Robinson Street, Suite 400
Orlando, FL 32801-1949
(407) 420-1200
www.hdrinc.com
Certificate of Authorization No. 4213

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	CITY	
US 441	ALACHUA	

$USER$ $DATE$ $TIME$ $FILE$

LINK NODE DIAGRAM
DISTRICTWIDE SIGNAL RETIMING



NODE NO.	(1)	SIGNAL OPERATING PLAN	
STORAGE LENGTH	315'	PEDESTRIAN SIGNAL	
MOVEMENT NO.	2	LANE GEOMETRY	
SIGNAL OPERATING PLAN			
LANE DROP	LD		

HDR Engineering, Inc.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	CITY	
US 441	ALACHUA	

LINK NODE DIAGRAM
DISTRICTWIDE SIGNAL RETIMING

$USER$ $DATE$ $TIME$ $FILE$

Time of Day Plan

Designed By:	J.M.
Date:	4/19/2019
Checked By:	R. A. A
Date:	4/19/2019

Section:	26020000
Corridor:	US 441
From:	NW 140th St/SR 235
To:	NW 173rd St/CR 235A

TIME OF DAY

Day	Plan	Time		Pattern	Cycle Length
Monday Thru Friday	FREE	0:00	6:00	-	FREE
	AM	6:00	10:00	1	130
	MIDDAY	10:00	16:15	2	130
	PM	16:15	18:15	3	160
	NT	18:15	21:30	4	110
	FREE	21:30	0:00	-	FREE
Saturday	FREE	0:00	7:00	-	FREE
	NT	7:00	9:00	4	110
	WKN OffPk	9:00	12:30	6	130
	WKN	12:30	18:00	5	130
	NT	18:00	21:00	4	110
	FREE	21:00	0:00	-	FREE
Sunday	FREE	0:00	9:00	-	FREE
	NT	9:00	11:00	4	110
	WKN OffPk	11:00	17:30	6	130
	NT	17:30	21:00	4	110
	FREE	21:00	0:00	-	FREE

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION - DISTRICT TWO
US 441 - Signal Retiming
City of Alachua

Designed By:	J.M.	**Section**	26020000	**Mile Post**	17.962	**Node**	1
Date:	4/19/2019	**Sig ID**	175	**Controller**	Naztec 900 TS2	**System ID**	
Checked By:	R.A.A	**Maj. Street**	US 441	**Orientation**	N-S	**SOP**	10
Date:	4/19/2019	**Min. Street**	NW 140th St/CR 235	**Orientation**	E-W		

Pedestrians

Movement # (Controller Phase Ø)	1	2	3	4	5	6	7	8	Notes
Direction	***SBL***	***NB***	***WBL***	***EB***	***NBL***	***SB***	***EBL***	***WB***	
Speed Limit (mph)	*45*	*45*	*30*	*30*	*45*	*45*	*30*	*30*	
Vehicle Traversed Width	*96*	*126*	*171*	*161*	*135*	*149*	*173*	*170*	
Approach Grades	*-1.0%*	*0.6%*	*-7.0%*	*4.5%*	*0.6%*	*-1.0%*	*4.5%*	*-7.0%*	
Ped-X (curb to curb)		*83*		*116*		*63*		*105*	
Crossing Time		*24*		*34*		*18*		*30*	
Ped-X (button to curb)		*14*		*12*		*16*		*11*	
Ped-X (button to far curb)		97		128		79		116	
Crossing Time (to far curb)		*33*		*43*		*27*		*39*	

Controller Timings (seconds)

Movement # (Controller Phase Ø)	1	2	3	4	5	6	7	8	Notes
Direction	***SBL***	***NB***	***WBL***	***EB***	***NBL***	***SB***	***EBL***	***WB***	
Turn Type	*Prot/Perm*		*Prot/Perm*		*Prot/Perm*		*Prot/Perm*		
Min Green	*4*	*15*	*4*	*6*	*4*	*15*	*4*	*6*	
Ext	*2.0*	*3.5*	*2.0*	*9.0*	*2.0*	*3.5*	*2.0*	*9.0*	
Yellow Change Interval	*4.9*	*4.8*	*4.3*	*3.7*	*4.8*	*4.9*	*3.7*	*4.3*	
Red Clearance Interval	*2.0*	*2.0*	*3.4*	*3.2*	*2.0*	*2.0*	*3.4*	*3.4*	
Max I	*25*	*50*	*20*	*35*	*25*	*50*	*20*	*35*	
Max II									
Walk		*7*		*7*		*7*		*7*	
Flashing Don't Walk		*24*		*34*		*18*		*30*	
Min Splits	*11.0*	*38.0*	*12.0*	*48.0*	*11.0*	*32.0*	*12.0*	*45.0*	
Detector Memory		*ON*		*ON*		*ON*			
Det. Cross Switch.	*ON*		*ON*		*ON*		*ON*		
Recall		*Max*				*Max*		*Min*	
CNA									
Coord Phase		*YES*							

Coordination Timings (seconds)

Plan	Pattern	C-O-S	Splits								Cycle Length	Offset	Seq
AM	***1***		*18*	*57*	*20*	*35*	*20*	*55*	*20*	*35*	*130*	*88*	*1*
MIDDAY	***2***		*18*	*56*	*18*	*38*	*18*	*56*	*19*	*37*	*130*	*19*	*1*
PM	***3***		*18*	*74*	*20*	*48*	*24*	*68*	*23*	*45*	*160*	*150*	*1*
PM Alt	***7***		*18*	*66*	*18*	*48*	*20*	*64*	*21*	*45*	*150*	*147*	*1*
NT	***4***		*18*	*48*	*18*	*26*	*18*	*48*	*21*	*23*	*110*	*73*	*1*
WKN	***5***		*18*	*57*	*22*	*33*	*18*	*57*	*33*	*22*	*130*	*60*	*1*
WKN OffPk	***6***		*19*	*44*	*19*	*48*	*18*	*45*	*22*	*45*	*130*	*60*	*1*

Notes

1. Offset referenced to end of first through movement 2 & 6
2. Program Max inhibit during coordination
3. Program float force-offs

All Patterns

Ring-1	1	2	3	4
Ring-2	5	6	7	8

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION - DISTRICT TWO
US 441 - Signal Retiming
City of Alachua

Designed By:	J.M.	**Section**	26020000	**Mile Post**	18.481	**Node**	3
Date:	4/19/2019	**Sig ID**	160	**Controller**	Naztec 900 TS2	**System ID**	
Checked By:	R.A.A	**Maj. Street**	US 441	**Orientation**	N-S	**SOP**	10
Date:	4/19/2019	**Min. Street**	NW 147th Dr	**Orientation**	E-W		

Pedestrians

Movement # (Controller Phase Ø)	1	2	3	4	5	6	7	8	Notes
Direction	*SBL*	*NB*	*WBL*	*EB*	*NBL*	*SB*	*EBL*	*WB*	
Speed Limit (mph)	*45*	*45*	*25*	*30*	*45*	*45*	*30*	*25*	
Vehicle Traversed Width	*116*	*111*	*109*	*130*	*104*	*109*	*115*	*128*	
Approach Grades	*0.3%*	*-0.9%*	*-7.2%*	*-4.4%*	*-0.9%*	*0.3%*	*-4.4%*	*-7.2%*	
Ped-X (curb to curb)		*95*		*106*		*64*		*106*	
Crossing Time		*28*		*31*		*19*		*31*	
Ped-X (button to curb)		*6*		*12*		*13*		*13*	
Ped-X (button to far curb)		101		118		77		119	
Crossing Time (to far curb)		*34*		*40*		*26*		*40*	

Controller Timings (seconds)

Movement # (Controller Phase Ø)	1	2	3	4	5	6	7	8	Notes
Direction	*SBL*	*NB*	*WBL*	*EB*	*NBL*	*SB*	*EBL*	*WB*	
Turn Type	*Prot/Perm*		*Prot/Perm*		*Prot/Perm*		*Prot/Perm*		
Min Green	*4*	*20*	*4*	*6*	*4*	*20*	*4*	*6*	
Ext	*2.0*	*3.5*	*2.0*	*3.0*	*2.0*	*3.5*	*2.0*	*3.0*	
Yellow Change Interval	*4.8*	*4.9*	*3.8*	*4.0*	*4.9*	*4.8*	*4.0*	*3.8*	
Red Clearance Interval	*2.0*	*2.0*	*2.6*	*2.5*	*2.0*	*2.0*	*2.1*	*3.1*	
Max I	*15*	*50*	*15*	*30*	*15*	*50*	*15*	*30*	
Max II									
Walk		*7*		*7*		*7*		*7*	
Flashing Don't Walk		*28*		*31*		*19*		*31*	
Min Splits	*11.0*	*42.0*	*11.0*	*45.0*	*11.0*	*33.0*	*11.0*	*45.0*	
Detector Memory		*ON*				*ON*			
Det. Cross Switch.	*ON*		*ON*		*ON*		*ON*		
Recall		*Min*				*Min*			
CNA									
Coord Phase		*YES*							

Coordination Timings (seconds)

Plan	Pattern	C-O-S	Splits								Cycle Length	Offset	Seq
AM	***1***		*18*	*75*	*19*	*18*	*18*	*75*	*19*	*18*	*130*	*37*	*1*
MIDDAY	***2***		*18*	*74*	*18*	*20*	*18*	*74*	*20*	*18*	*130*	*93*	*1*
PM	***3***		*18*	*71*	*19*	*52*	*22*	*67*	*26*	*45*	*160*	*1*	*1*
PM Alt	***7***		*18*	*63*	*18*	*51*	*22*	*59*	*24*	*45*	*150*	*35*	*1*
NT	***4***		*18*	*55*	*19*	*18*	*18*	*55*	*19*	*18*	*110*	*10*	*1*
WKN	***5***		*18*	*49*	*19*	*44*	*18*	*49*	*18*	*45*	*130*	*99*	*1*
WKN OffPk	***6***		*22*	*69*	*19*	*20*	*18*	*73*	*19*	*20*	*130*	*99*	*1*

Notes

1. Offset referenced to end of first through movement 2 & 6
2. Program float force-offs
3. Program Max Inhibit during coordination

All Patterns

Ring-1	1	2	3	4
Ring-2	5	6	7	8

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION - DISTRICT TWO
US 441 - Signal Retiming
City of Alachua

Designed By:	J.M.	**Section**	26020000	**Mile Post**	19.217	**Node**	4
Date:	4/19/2019	**Sig ID**	145	**Controller**	Naztec 900 TS2	**System ID**	
Checked By:	R.A.A	**Maj. Street**	US 441	**Orientation**	N-S	**SOP**	9
Date:	4/19/2019	**Min. Street**	I-75 NB Ramps	**Orientation**	E-W		

Pedestrians

Movement # (Controller Phase Ø)	1	2	3	4	5	6	7	8	Notes
Direction	*SBL*	*NB*			*NBL*	*SB*	*EB*	*WB*	
Speed Limit (mph)	*45*	*45*			*45*	*45*	*30*	*35*	
Vehicle Traversed Width	*112*	*95*			*119*	*117*	*140*	*153*	
Approach Grades	*-0.9%*	*-0.2%*			*-0.2%*	*-0.9%*	*-4.0%*	*1.7%*	
Ped-X (curb to curb)		*149*				*51*	*99*		
Crossing Time		*43*				*15*	*29*		
Ped-X (button to curb)		*15*				*12*	*17*		
Ped-X (button to far curb)		164				63	116		
Crossing Time (to far curb)		*55*				*21*	*39*		

Controller Timings (seconds)

Movement # (Controller Phase Ø)	1	2	3	4	5	6	7	8	Notes
Direction	*SBL*	*NB*			*NBL*	*SB*	*EB*	*WB*	
Turn Type	*Prot/Perm*				*Prot/Perm*		*Split*	*Split*	
Min Green	*4*	*15*			*4*	*15*	*4*	*6*	
Ext	*3.0*	*3.5*			*2.0*	*3.5*	*2.5*	*4.0*	
Yellow Change Interval	*4.9*	*4.8*			*4.8*	*4.9*	*4.0*	*4.0*	
Red Clearance Interval	*2.0*	*2.0*			*2.0*	*2.0*	*2.7*	*2.4*	
Max I	*15*	*65*			*15*	*65*	*15*	*25*	
Max II									
Walk		*7*				*7*	*7*		
Flashing Don't Walk		*43*				*15*	*29*		
Min Splits	*11.0*	*57.0*			*11.0*	*29.0*	*43.0*	*13.0*	
Detector Memory		*ON*				*ON*			
Det. Cross Switch.	*ON*				*ON*				
Recall		*Min*				*Min*			
CNA									
Coord Phase		*YES*							

Coordination Timings (seconds)

Plan	Pattern	C-O-S	Splits								Cycle Length	Offset	Seq
AM	***1***		*18*	*60*	*-*	*52*	*18*	*60*	*18*	*34*	*130*	*110*	*1*
MIDDAY	***2***		*18*	*64*	*-*	*48*	*18*	*64*	*20*	*28*	*130*	*36*	*1*
PM	***3***		*18*	*70*	*-*	*72*	*18*	*70*	*42*	*30*	*160*	*85*	*1*
PM Alt	***7***		*18*	*61*	*-*	*71*	*18*	*61*	*42*	*29*	*150*	*129*	*1*
NT	***4***		*18*	*51*	*-*	*41*	*18*	*51*	*18*	*23*	*110*	*67*	*1*
WKN	***5***		*22*	*60*	*-*	*48*	*18*	*64*	*18*	*30*	*130*	*44*	*1*
WKN OffPk	***6***		*18*	*70*	*-*	*42*	*18*	*70*	*18*	*24*	*130*	*44*	*1*

Notes

1. Offset referenced to end of first through movement 2 & 6
2. Program float force-offs
3. Program Max Inhibit during coordination

All Patterns

Ring-1	1	2		
Ring-2	5	6	7	8

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION - DISTRICT TWO
US 441 - Signal Retiming
City of Alachua

Designed By:	J.M.	**Section**	26020000	**Mile Post**	19.407	**Node**	5
Date:	4/19/2019	**Sig ID**	140	**Controller**	Naztec 900 TS2	**System ID**	
Checked By:	R.A.A	**Maj. Street**	US 441	**Orientation**	N-S	**SOP**	9 Modified
Date:	4/19/2019	**Min. Street**	I-75 SB Ramps	**Orientation**	E-W		

Pedestrians

Movement # (Controller Phase Ø)	1	2	3	4	5	6	7	8	Notes
Direction		***NB***			***NBL***	***SB***	***EB***	***WB***	
Speed Limit (mph)		*45*			*45*	*45*	*30*	*35*	
Vehicle Traversed Width		*123*			*120*	*125*	*142*	*155*	
Approach Grades		*-2.4%*			*-2.4%*	*-1.8%*	*1.4%*	*-5.2%*	
Ped-X (curb to curb)		*68*				*50*	*100*		
Crossing Time		*20*				*15*	*29*		
Ped-X (button to curb)		*14*				*9*	*14*		
Ped-X (button to far curb)		82				59	114		
Crossing Time (to far curb)		*28*				*20*	*38*		

Controller Timings (seconds)

Movement # (Controller Phase Ø)	1	2	3	4	5	6	7	8	Notes
Direction		***NB***			***NBL***	***SB***	***EB***	***WB***	
Turn Type					*Prot/Perm*		*Split*	*Split*	
Min Green		*15*			*4*	*15*	*4*	*6*	
Ext		*3.5*			*2.0*	*3.5*	*2.0*	*4.0*	
Yellow Change Interval		*5.0*			*5.0*	*5.0*	*3.7*	*4.5*	
Red Clearance Interval		*2.0*			*2.0*	*2.0*	*2.7*	*2.5*	
Max I		*65*			*15*	*65*	*15*	*25*	
Max II									
Walk		*7*				*7*	*7*		
Flashing Don't Walk		*20*				*15*	*29*		
Min Splits		*34.0*			*11.0*	*29.0*	*43.0*	*13.0*	
Detector Memory		*ON*				*ON*			
Det. Cross Switch.					*ON*				
Recall		*Min*				*Min*			
CNA									
Coord Phase		*YES*							

Coordination Timings (seconds)

Plan	Pattern	C-O-S	Splits								Cycle Length	Offset	Seq
AM	***1***		*18*	*72*	*-*	*40*	*18*	*72*	*18*	*22*	*130*	*105*	*1*
MIDDAY	***2***		*18*	*72*	*-*	*40*	*18*	*72*	*18*	*22*	*130*	*34*	*1*
PM	***3***		*18*	*98*	*-*	*44*	*18*	*98*	*18*	*26*	*160*	*80*	*1*
PM Alt	***7***		*18*	*88*	*-*	*44*	*18*	*88*	*18*	*26*	*150*	*122*	*1*
NT	***4***		*18*	*55*	*-*	*37*	*18*	*55*	*18*	*19*	*110*	*74*	*1*
WKN	***5***		*18*	*76*	*-*	*36*	*18*	*76*	*18*	*18*	*130*	*41*	*1*
WKN OffPk	***6***		*18*	*72*	*-*	*40*	*18*	*72*	*18*	*22*	*130*	*41*	*1*

Notes

1. Offset referenced to end of first through movement 2 & 6
2. Program float force-offs
3. Program Max Inhibit during coordination

All Patterns

Ring-1		2		
Ring-2	5	6	7	8

APPENDIX G

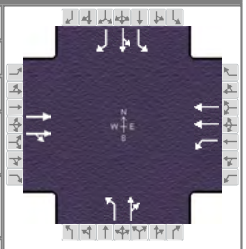
SIGNALIZED INTERSECTION CAPACITY CALCULATIONS



AM PEAK HOUR

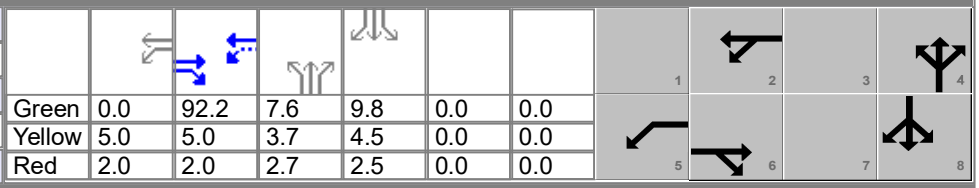
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday AM Peak Hour	PHF	0.94
Urban Street	US 441	Analysis Year	2020 Existing Traffic	Analysis Period	1> 7:15
Intersection	US 441/I-75 West Ramp…	File Name	Ex_2020_AM_US441__75Ramps.xus		
Project Description	2020 AM Peak Hour				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h		1618	60	52	681		14	0	86	144	10	63

Signal Information			
Cycle, s	130.0	Reference Phase	2
Offset, s	105	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off



Green	0.0	92.2	7.6	9.8	0.0	0.0
Yellow	5.0	5.0	3.7	4.5	0.0	0.0
Red	2.0	2.0	2.7	2.5	0.0	0.0

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6	5	2		4		8
Case Number		8.3	1.0	4.0		10.0		9.0
Phase Duration, s		99.2	0.0	99.2		14.0		16.8
Change Period, ($Y+R_c$), s		7.0	7.0	7.0		6.4		7.0
Max Allow Headway (*MAH*), s		0.0	0.0	0.0		3.2		5.0
Queue Clearance Time (g_s), s						7.9		9.0
Green Extension Time (g_e), s		0.0	0.0	0.0		0.0		0.7
Phase Call Probability						0.96		1.00
Max Out Probability						0.50		0.08

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement		6	16	5	2		7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h		894	891	0	0		15	72		84	80	61
Adjusted Saturation Flow Rate (*s*), veh/h/ln		1826	1803	1810	1654		1697	1572		1640	1655	1095
Queue Service Time (g_s), s		62.9	12.9	0.0	0.0		1.1	5.9		6.5	6.1	7.0
Cycle Queue Clearance Time (g_c), s		62.9	12.9	0.0	0.0		1.1	5.9		6.5	6.1	7.0
Green Ratio (*g/C*)		0.71	0.71	0.67	0.71		0.06	0.06		0.08	0.08	0.08
Capacity (*c*), veh/h		1295	1279	118	2346		99	92		123	124	82
Volume-to-Capacity Ratio (*X*)		0.690	0.697	0.000	0.000		0.150	0.787		0.683	0.639	0.736
Back of Queue (*Q*), ft/ln (95 th percentile)		110.4	129.6	0	0		22.7	117.4		149.1	136.6	139.6
Back of Queue (*Q*), veh/ln (95 th percentile)		4.2	5.1	0.0	0.0		0.9	4.6		5.4	5.1	4.2
Queue Storage Ratio (*RQ*) (95 th percentile)		0.00	0.00	0.00	0.00		0.45	0.00		0.17	0.61	0.62
Uniform Delay (d_1), s/veh		1.3	1.8	0.0	0.0		58.1	60.4		58.6	58.4	58.8
Incremental Delay (d_2), s/veh		3.0	3.2	0.0	0.0		0.3	7.3		9.1	7.5	16.5
Initial Queue Delay (d_3), s/veh		0.0	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh		4.3	5.0	0.0	0.0		58.4	67.7		67.7	65.9	75.3
Level of Service (LOS)		A	A				E	E		E	E	E
Approach Delay, s/veh / LOS	4.6	A		0.0			66.1	E		69.1	E	
Intersection Delay, s/veh / LOS	14.1						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

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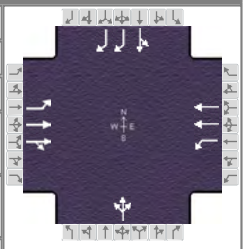
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday AM Peak Hour	PHF	0.94
Urban Street	US 441	Analysis Year	2020 Existing Traffic	Analysis Period	1> 7:15
Intersection	US 441/I-75 East Ramps	File Name	Ex_2020_AM_US441__75Ramps.xus		
Project Description	2020 AM Peak Hour				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	65	915	83	48	715		53	19	12	147	30	176

Signal Information			
Cycle, s	130.0	Reference Phase	2
Offset, s	110	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off

							1	2	3	4		
Green	3.4	4.2	69.9	8.2	17.5	0.0	5	6	7	8		
Yellow	4.8	0.0	4.8	4.0	4.0	0.0						
Red	2.0	0.0	2.0	2.7	2.4	0.0						

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2		4		8
Case Number	1.1	4.0	1.1	4.0		12.0		11.0
Phase Duration, s	14.4	81.0	10.2	76.7		14.9		23.9
Change Period, ($Y+R_c$), s	6.9	6.9	6.8	6.9		6.7		6.4
Max Allow Headway (*MAH*), s	3.9	0.0	2.9	0.0		3.5		5.1
Queue Clearance Time (g_s), s	7.4		3.7			8.5		15.8
Green Extension Time (g_e), s	0.3	0.0	0.0	0.0		0.0		1.7
Phase Call Probability	0.99		0.84			0.96		1.00
Max Out Probability	0.00		0.00			1.00		0.03

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2		7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	118	912	906	51	761			89			188	169
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1259	1841	1787	1781	1781			1755			1725	1203
Queue Service Time (g_s), s	5.4	48.4	50.9	1.7	11.0			6.5			13.8	8.5
Cycle Queue Clearance Time (g_c), s	5.4	48.4	50.9	1.7	11.0			6.5			13.8	8.5
Green Ratio (*g/C*)	0.59	0.57	0.57	0.56	0.54			0.06			0.13	0.13
Capacity (*c*), veh/h	354	1049	1018	143	1913			111			233	324
Volume-to-Capacity Ratio (*X*)	0.335	0.870	0.889	0.356	0.398			0.804			0.810	0.521
Back of Queue (*Q*), ft/ln (95 th percentile)	89.7	532.5	525.2	30.3	168.7			158.3			285	139
Back of Queue (*Q*), veh/ln (95 th percentile)	2.7	20.6	20.7	1.2	6.6			6.2			10.8	4.8
Queue Storage Ratio (*RQ*) (95 th percentile)	0.33	0.00	0.00	0.12	0.00			0.00			0.00	0.00
Uniform Delay (d_1), s/veh	12.7	14.7	14.6	24.1	10.1			60.1			54.6	52.3
Incremental Delay (d_2), s/veh	0.3	6.2	7.4	0.6	0.6			17.0			9.2	1.8
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0			0.0			0.0	0.0
Control Delay (*d*), s/veh	13.1	20.9	21.9	24.7	10.7			77.1			63.8	54.2
Level of Service (LOS)	B	C	C	C	B			E			E	D
Approach Delay, s/veh / LOS	20.9	C		11.6	B		77.1	E		59.2	E	
Intersection Delay, s/veh / LOS	24.4						C					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

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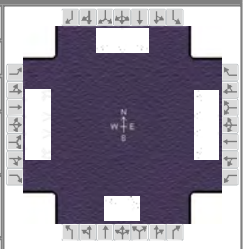
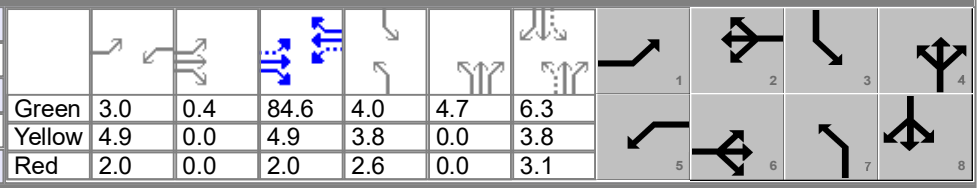
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	Jan 22, 2021	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday AM Peak Hour	PHF	0.89
Urban Street	US 441	Analysis Year	2019 Existing Traffic	Analysis Period	1> 7:15
Intersection	US 441/NW 147th Drive	File Name	Ex_2019_AM_US441_NW147.xus		
Project Description	2019 AM Peak Hour Traffic				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	49	1038	65	34	668	58	92	10	84	38	8	48

Signal Information			
Cycle, s	130.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off



Green	3.0	0.4	84.6	4.0	4.7	6.3			
Yellow	4.9	0.0	4.9	3.8	0.0	3.8			
Red	2.0	0.0	2.0	2.6	0.0	3.1			

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	3.0	1.1	3.0	1.1	4.0	1.1	3.0
Phase Duration, s	10.3	91.9	9.9	91.5	15.0	17.9	10.4	13.2
Change Period, ($Y+R_c$), s	6.8	6.9	6.9	6.9	6.1	6.9	6.4	6.9
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0	3.0	4.2	3.0	4.2
Queue Clearance Time (g_s), s	3.4		2.9		9.1	10.6	5.0	6.3
Green Extension Time (g_e), s	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1
Phase Call Probability	0.86		0.75		0.98	1.00	0.79	1.00
Max Out Probability	0.00		0.00		0.33	0.01	0.00	0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	55	1166	65	38	751	58	103	106		43	9	48
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1682	1724	1510	1810	1710	1422	1767	1573		1739	1707	1447
Queue Service Time (g_s), s	1.4	10.3	2.0	0.9	5.3	1.9	7.1	8.6		3.0	0.7	4.3
Cycle Queue Clearance Time (g_c), s	1.4	10.3	2.0	0.9	5.3	1.9	7.1	8.6		3.0	0.7	4.3
Green Ratio (*g/C*)	0.68	0.65	0.65	0.67	0.65	0.65	0.12	0.08		0.08	0.05	0.05
Capacity (*c*), veh/h	510	2253	987	370	2225	925	238	133		112	83	71
Volume-to-Capacity Ratio (*X*)	0.108	0.518	0.066	0.103	0.337	0.063	0.435	0.794		0.380	0.108	0.685
Back of Queue (*Q*), ft/ln (95 th percentile)	22.4	117	30.8	14.6	72.7	29.4	147	177.3		63.3	14.8	88.9
Back of Queue (*Q*), veh/ln (95 th percentile)	0.8	4.5	1.2	0.6	2.8	1.1	5.7	6.8		2.4	0.5	3.2
Queue Storage Ratio (*RQ*) (95 th percentile)	0.07	0.00	0.12	0.07	0.00	0.00	0.98	0.00		0.28	0.00	0.22
Uniform Delay (d_1), s/veh	7.1	3.6	8.2	7.7	3.4	8.3	53.3	58.4		56.6	59.1	60.8
Incremental Delay (d_2), s/veh	0.0	0.9	0.1	0.0	0.4	0.1	0.5	10.1		0.8	0.6	11.1
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh	7.2	4.4	8.3	7.7	3.8	8.4	53.7	68.5		57.4	59.7	72.0
Level of Service (LOS)	A	A	A	A	A	A	D	E		E	E	E
Approach Delay, s/veh / LOS	4.7	A		4.3	A		61.2	E		64.7	E	
Intersection Delay, s/veh / LOS	11.9						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

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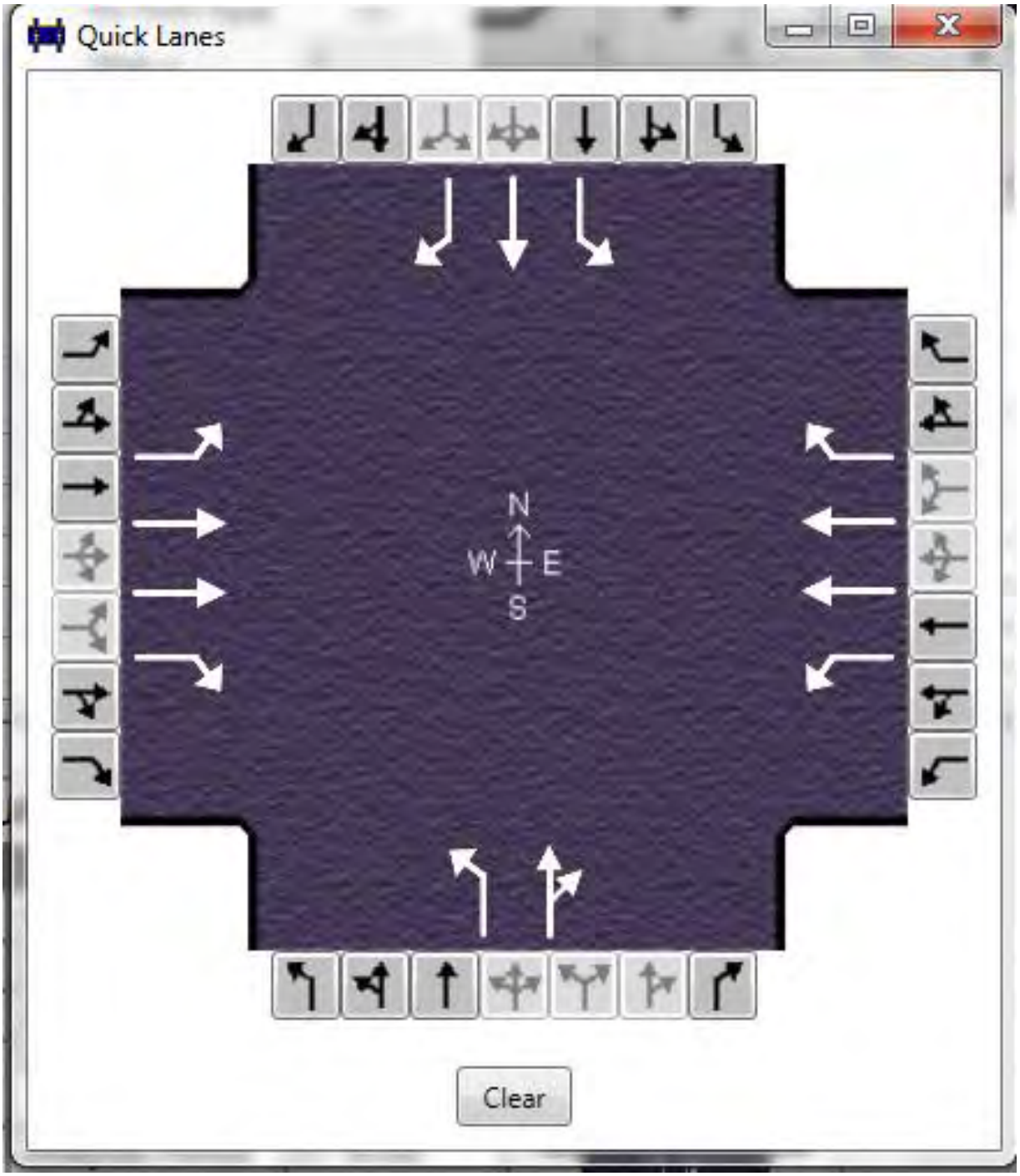
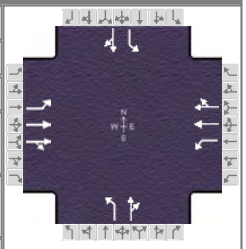

Quick Lanes
N
W
E
S
Clear

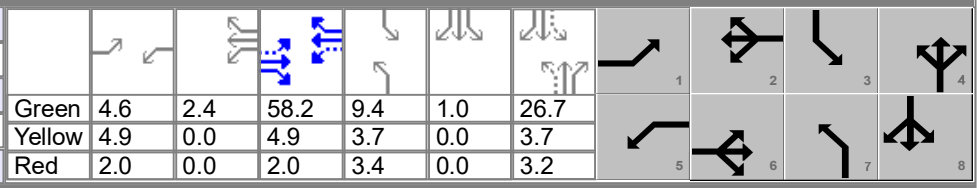
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	Jan 22, 2021	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday AM Peak Hour	PHF	0.90
Urban Street	US 441	Analysis Year	2019 Existing Traffic	Analysis Period	1> 7:15
Intersection	US 441/NW 140th Sreet	File Name	Ex_2019_AM_US441_NW140.xus		
Project Description	2019 AM Peak Hour Traffic				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	66	1100	12	104	483	53	109	148	86	119	225	40

Signal Information			
Cycle, s	130.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off



Green	4.6	2.4	58.2	9.4	1.0	26.7			
Yellow	4.9	0.0	4.9	3.7	0.0	3.7			
Red	2.0	0.0	2.0	3.4	0.0	3.2			

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	4.0	1.1	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	11.5	65.1	13.9	67.5	16.5	33.6	17.4	34.5
Change Period, ($Y+R_c$), s	6.9	6.9	6.8	6.9	7.1	7.7	7.7	7.7
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0	3.0	10.0	3.0	9.9
Queue Clearance Time (g_s), s	4.9		7.1		9.4	22.8	9.8	24.7
Green Extension Time (g_e), s	0.0	0.0	0.1	0.0	0.1	2.1	0.0	2.2
Phase Call Probability	0.93		0.98		0.99	1.00	0.99	1.00
Max Out Probability	0.00		0.00		0.53	1.00	1.00	1.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	73	619	617	116	302	293	121	260		132	294	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1767	1826	1819	1570	1811	1748	1668	1560		1739	1633	
Queue Service Time (g_s), s	2.9	32.4	32.6	5.1	13.9	14.0	7.4	20.8		7.8	22.7	
Cycle Queue Clearance Time (g_c), s	2.9	32.4	32.6	5.1	13.9	14.0	7.4	20.8		7.8	22.7	
Green Ratio (*g/C*)	0.48	0.45	0.45	0.50	0.47	0.47	0.27	0.20		0.27	0.21	
Capacity (*c*), veh/h	398	817	814	220	844	815	192	310		228	337	
Volume-to-Capacity Ratio (*X*)	0.184	0.757	0.758	0.526	0.358	0.360	0.630	0.838		0.580	0.873	
Back of Queue (*Q*), ft/ln (95 th percentile)	53.5	478	491.2	94	261.7	274	152.4	431.5		158.9	482.5	
Back of Queue (*Q*), veh/ln (95 th percentile)	2.1	18.4	18.5	3.3	10.0	9.8	5.6	15.3		6.1	17.2	
Queue Storage Ratio (*RQ*) (95 th percentile)	0.27	0.00	0.00	0.63	0.00	0.00	1.02	0.00		1.06	0.00	
Uniform Delay (d_1), s/veh	18.9	21.0	21.2	23.1	22.2	22.3	39.7	50.1		39.0	49.9	
Incremental Delay (d_2), s/veh	0.1	6.5	6.5	0.7	1.2	1.2	1.5	22.8		1.0	25.4	
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Control Delay (*d*), s/veh	19.0	27.5	27.7	23.9	23.4	23.5	41.2	72.9		40.0	75.3	
Level of Service (LOS)	B	C	C	C	C	C	D	E		D	E	
Approach Delay, s/veh / LOS	27.1	C		23.5	C		62.8	E		64.4	E	
Intersection Delay, s/veh / LOS	36.7						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

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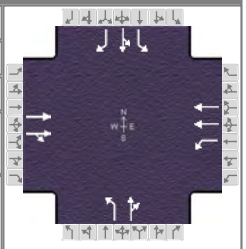
HCS7 Signalized Intersection Results Summary

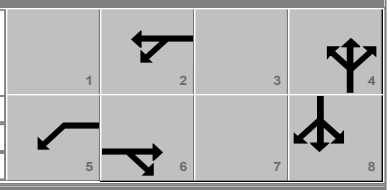
General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday AM Peak Hour	PHF	0.94
Urban Street	US 441	Analysis Year	2025 NO BUILD Traffic - Optimized Timings	Analysis Period	1> 7:15
Intersection	US 441/I-75 West Ramp…	File Name	2025_NB_AM_US441__75Ramps.xus		
Project Description	2025 AM Peak Hour				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h		1796	60	54	756		14	0	86	160	10	70

Signal Information			
Cycle, s	130.0	Reference Phase	2
Offset, s	105	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off

Green	0.0	90.8	7.7	11.1	0.0	0.0
Yellow	5.0	5.0	3.7	4.5	0.0	0.0
Red	2.0	2.0	2.7	2.5	0.0	0.0



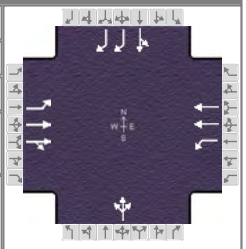
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6	5	2		4		8
Case Number		8.3	1.0	4.0		10.0		9.0
Phase Duration, s		97.8	0.0	97.8		14.1		18.1
Change Period, ($Y+R_c$), s		7.0	7.0	7.0		6.4		7.0
Max Allow Headway (*MAH*), s		0.0	0.0	0.0		3.2		5.0
Queue Clearance Time (g_s), s						7.9		9.7
Green Extension Time (g_e), s		0.0	0.0	0.0		0.2		1.4
Phase Call Probability						0.96		1.00
Max Out Probability						0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement		6	16	5	2		7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h		987	987	0	0		15	72		94	87	67
Adjusted Saturation Flow Rate (*s*), veh/h/ln		1826	1805	1810	1654		1697	1572		1640	1654	1095
Queue Service Time (g_s), s		130.0	21.2	0.0	0.0		1.1	5.9		7.2	6.6	7.7
Cycle Queue Clearance Time (g_c), s		130.0	21.2	0.0	0.0		1.1	5.9		7.2	6.6	7.7
Green Ratio (*g/C*)		0.70	0.70	0.66	0.70		0.06	0.06		0.09	0.09	0.09
Capacity (*c*), veh/h		1275	1260	57	2309		101	93		140	142	94
Volume-to-Capacity Ratio (*X*)		0.774	0.783	0.000	0.000		0.148	0.776		0.667	0.616	0.715
Back of Queue (*Q*), ft/ln (95 th percentile)		165.3	187.5	0	0		22.7	114.6		162	146.4	149.4
Back of Queue (*Q*), veh/ln (95 th percentile)		6.4	7.4	0.0	0.0		0.9	4.5		5.9	5.4	4.5
Queue Storage Ratio (*RQ*) (95 th percentile)		0.00	0.00	0.00	0.00		0.45	0.00		0.18	0.65	0.66
Uniform Delay (d_1), s/veh		2.0	2.5	0.0	0.0		58.0	60.3		57.6	57.4	57.9
Incremental Delay (d_2), s/veh		4.6	4.9	0.0	0.0		0.2	5.1		7.5	6.1	13.4
Initial Queue Delay (d_3), s/veh		0.0	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh		6.6	7.5	0.0	0.0		58.3	65.4		65.1	63.4	71.3
Level of Service (LOS)		A	A				E	E		E	E	E
Approach Delay, s/veh / LOS	7.0	A		0.0			64.2	E		66.2	E	
Intersection Delay, s/veh / LOS	15.5						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

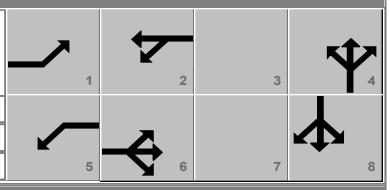
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday AM Peak Hour	PHF	0.94
Urban Street	US 441	Analysis Year	2025 NO BUILD Traffic - Optimized Timings	Analysis Period	1> 7:15
Intersection	US 441/I-75 East Ramps	File Name	2025_NB_AM_US441__75Ramps.xus		
Project Description	2025 AM Peak Hour				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	72	1016	83	49	794		53	19	12	163	30	195

Signal Information												
Cycle, s	130.0	Reference Phase	2									
Offset, s	97	Reference Point	End									
Uncoordinated	No	Simult. Gap E/W	On									
Force Mode	Fixed	Simult. Gap N/S	Off									
				Green	3.4	5.2	66.9	8.4	19.5	0.0		
				Yellow	4.8	0.0	4.8	4.0	4.0	0.0		
				Red	2.0	0.0	2.0	2.7	2.4	0.0		



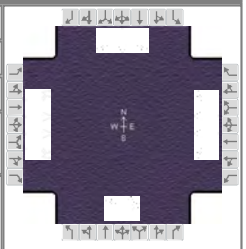
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2		4		8
Case Number	1.1	4.0	1.1	4.0		12.0		11.0
Phase Duration, s	15.3	78.9	10.2	73.7		15.1		25.9
Change Period, ($Y+R_c$), s	6.9	6.9	6.8	6.9		6.7		6.4
Max Allow Headway (*MAH*), s	3.9	0.0	2.9	0.0		3.5		5.1
Queue Clearance Time (g_s), s	8.1		3.8			8.5		16.9
Green Extension Time (g_e), s	0.4	0.0	0.1	0.0		0.2		2.5
Phase Call Probability	0.99		0.85			0.96		1.00
Max Out Probability	0.00		0.00			0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2		7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	132	1005	1005	52	845			89			205	186
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1259	1841	1792	1781	1781			1755			1723	1203
Queue Service Time (g_s), s	6.1	69.3	72.0	1.8	14.2			6.5			14.9	9.3
Cycle Queue Clearance Time (g_c), s	6.1	69.3	72.0	1.8	14.2			6.5			14.9	9.3
Green Ratio (*g/C*)	0.58	0.55	0.55	0.54	0.51			0.06			0.15	0.15
Capacity (*c*), veh/h	324	1019	992	102	1830			113			258	360
Volume-to-Capacity Ratio (*X*)	0.407	0.987	1.014	0.512	0.462			0.789			0.796	0.517
Back of Queue (*Q*), ft/ln (95 th percentile)	109.5	886.1	928.7	37.7	210.6			146.7			300.7	150.8
Back of Queue (*Q*), veh/ln (95 th percentile)	3.3	34.3	36.6	1.5	8.3			5.7			11.4	5.2
Queue Storage Ratio (*RQ*) (95 th percentile)	0.40	0.00	0.00	0.15	0.00			0.00			0.00	0.00
Uniform Delay (d_1), s/veh	14.7	22.2	22.2	31.3	12.2			59.9			53.4	50.9
Incremental Delay (d_2), s/veh	0.4	16.6	23.2	1.5	0.8			8.7			7.7	1.6
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0			0.0			0.0	0.0
Control Delay (*d*), s/veh	15.1	38.8	45.4	32.8	13.0			68.7			61.1	52.6
Level of Service (LOS)	B	D	F	C	B			E			E	D
Approach Delay, s/veh / LOS	40.4	D		14.2	B		68.7	E		57.0	E	
Intersection Delay, s/veh / LOS	36.3						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

HCS7 Signalized Intersection Results Summary

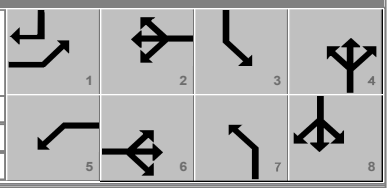
General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	Jan 22, 2021	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday AM Peak Hour	PHF	0.89
Urban Street	US 441	Analysis Year	2025 NO BUILD Traffic - Optimized Splits	Analysis Period	1> 7:15
Intersection	US 441/NW 147th Drive	File Name	2025_NB_AM_US441_NW147.xus		
Project Description	2025 AM Peak Hour with RT Overlap Phase				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	54	1152	72	38	741	64	102	11	71	42	9	53

Signal Information			
Cycle, s	130.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off

Green	3.1	0.3	83.2	4.4	5.0	6.8						
Yellow	4.9	0.0	4.9	3.8	0.0	3.8						
Red	2.0	0.0	2.0	2.6	0.0	3.1						



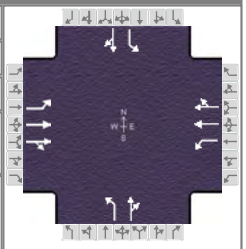
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	3.0	1.1	3.0	1.1	4.0	1.1	3.0
Phase Duration, s	10.4	90.4	10.0	90.1	15.8	18.8	10.8	13.7
Change Period, ($Y+R_c$), s	6.8	6.9	6.9	6.9	6.1	6.9	6.4	6.9
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0	3.0	4.2	3.0	4.2
Queue Clearance Time (g_s), s	3.6		3.1		9.8	9.3	5.3	6.6
Green Extension Time (g_e), s	0.1	0.0	0.1	0.0	0.1	0.3	0.1	0.2
Phase Call Probability	0.89		0.79		0.98	1.00	0.82	1.00
Max Out Probability	0.00		0.00		0.00	0.00	0.00	0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	61	1294	73	43	833	65	115	92		47	10	54
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1682	1724	1510	1810	1710	1422	1767	1580		1739	1707	1447
Queue Service Time (g_s), s	1.6	14.0	2.4	1.1	6.9	2.2	7.8	7.3		3.3	0.7	4.6
Cycle Queue Clearance Time (g_c), s	1.6	14.0	2.4	1.1	6.9	2.2	7.8	7.3		3.3	0.7	4.6
Green Ratio (*g/C*)	0.67	0.64	0.64	0.66	0.64	0.64	0.13	0.09		0.09	0.05	0.08
Capacity (*c*), veh/h	467	2214	969	324	2188	910	253	144		139	90	116
Volume-to-Capacity Ratio (*X*)	0.130	0.585	0.075	0.132	0.380	0.072	0.453	0.639		0.339	0.113	0.466
Back of Queue (*Q*), ft/ln (95 th percentile)	25.9	151.7	36.3	17.1	91.8	34.4	161.4	145.7		69.2	16.5	89
Back of Queue (*Q*), veh/ln (95 th percentile)	1.0	5.8	1.4	0.7	3.5	1.2	6.3	5.6		2.7	0.6	3.2
Queue Storage Ratio (*RQ*) (95 th percentile)	0.09	0.00	0.15	0.09	0.00	0.00	1.08	0.00		0.31	0.00	0.22
Uniform Delay (d_1), s/veh	7.7	4.4	8.7	8.6	3.9	8.8	52.1	57.0		55.8	58.7	57.1
Incremental Delay (d_2), s/veh	0.0	1.1	0.2	0.1	0.5	0.2	0.5	4.6		0.5	0.5	2.9
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh	7.7	5.5	8.9	8.6	4.4	9.0	52.5	61.6		56.4	59.2	60.0
Level of Service (LOS)	A	A	A	A	A	A	D	E		E	E	E
Approach Delay, s/veh / LOS	5.8	A		5.0	A		56.6	E		58.4	E	
Intersection Delay, s/veh / LOS	11.6						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

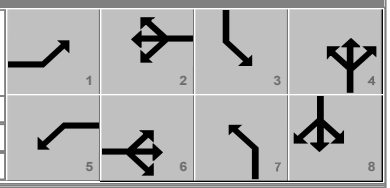
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	Jan 22, 2021	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday AM Peak Hour	PHF	0.90
Urban Street	US 441	Analysis Year	2025 NO BUILD Traffic - Optimized Splits	Analysis Period	1> 7:15
Intersection	US 441/NW 140th Sreet	File Name	2025_NB_AM_US441_NW140.xus		
Project Description	2025 AM Peak Hour with 300 foot LT Lanes				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	75	1221	13	115	536	59	121	164	95	132	250	44

Signal Information													
Cycle, s	130.0	Reference Phase	2										
Offset, s	0	Reference Point	End										
Uncoordinated	No	Simult. Gap E/W	On										
Force Mode	Fixed	Simult. Gap N/S	Off										
				Green	5.5	2.8	50.7	4.9	6.0	32.3			
				Yellow	4.9	0.0	4.9	3.7	0.0	3.7			
				Red	2.0	0.0	2.0	3.4	0.0	3.2			



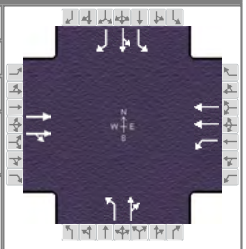
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	4.0	1.1	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	12.4	57.6	15.2	60.4	12.0	39.2	18.0	45.2
Change Period, ($Y+R_c$), s	6.9	6.9	6.8	6.9	7.1	7.7	7.7	7.7
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0	3.0	10.0	3.0	9.9
Queue Clearance Time (g_s), s	5.7		8.3		6.9	24.3	10.1	25.1
Green Extension Time (g_e), s	0.1	0.0	0.2	0.0	0.0	7.2	0.2	8.6
Phase Call Probability	0.95		0.99		0.99	1.00	0.99	1.00
Max Out Probability	0.00		0.00		1.00	0.02	0.00	0.01

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	83	687	684	128	336	325	134	288		147	327	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1767	1826	1819	1570	1811	1748	1668	1560		1739	1634	
Queue Service Time (g_s), s	3.7	47.0	47.1	6.3	17.4	17.5	4.9	22.3		8.1	23.1	
Cycle Queue Clearance Time (g_c), s	3.7	47.0	47.1	6.3	17.4	17.5	4.9	22.3		8.1	23.1	
Green Ratio (*g/C*)	0.43	0.39	0.39	0.45	0.41	0.41	0.28	0.24		0.32	0.29	
Capacity (*c*), veh/h	331	713	710	166	746	720	212	378		269	471	
Volume-to-Capacity Ratio (*X*)	0.252	0.964	0.964	0.769	0.450	0.452	0.634	0.761		0.546	0.693	
Back of Queue (*Q*), ft/ln (95 th percentile)	68.8	785.1	804.8	121.1	321	334.8	110.9	430		163.6	438.8	
Back of Queue (*Q*), veh/ln (95 th percentile)	2.7	30.2	30.3	4.3	12.3	12.0	4.1	15.2		6.3	15.7	
Queue Storage Ratio (*RQ*) (95 th percentile)	0.23	0.00	0.00	0.40	0.00	0.00	0.37	0.00		0.55	0.00	
Uniform Delay (d_1), s/veh	23.2	30.3	30.5	30.8	27.6	27.6	45.1	45.7		34.7	41.1	
Incremental Delay (d_2), s/veh	0.1	25.9	26.1	2.8	2.0	2.0	4.7	13.5		0.6	8.2	
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Control Delay (*d*), s/veh	23.3	56.2	56.6	33.6	29.6	29.7	49.7	59.2		35.4	49.3	
Level of Service (LOS)	C	E	E	C	C	C	D	E		D	D	
Approach Delay, s/veh / LOS	54.5	D		30.3	C		56.2	E		45.0	D	
Intersection Delay, s/veh / LOS	47.2						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

HCS7 Signalized Intersection Results Summary

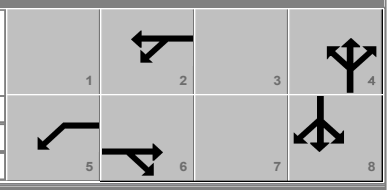
General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday AM Peak Hour	PHF	0.94
Urban Street	US 441	Analysis Year	2025 BUILD Traffic - Optimized Timings	Analysis Period	1> 7:15
Intersection	US 441/I-75 West Ramp…	File Name	2025_B_AM_US441__75Ramps.xus		
Project Description	2025 AM Peak Hour				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h		1867	60	54	898		14	0	86	196	10	70

Signal Information			
Cycle, s	130.0	Reference Phase	2
Offset, s	105	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off

Green	0.0	89.5	7.7	12.4	0.0	0.0
Yellow	5.0	5.0	3.7	4.5	0.0	0.0
Red	2.0	2.0	2.7	2.5	0.0	0.0



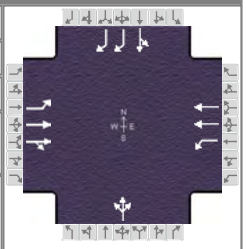
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6	5	2		4		8
Case Number		8.3	1.0	4.0		10.0		9.0
Phase Duration, s		96.5	0.0	96.5		14.1		19.4
Change Period, (*Y+R c*), s		7.0	7.0	7.0		6.4		7.0
Max Allow Headway (*MAH*), s		0.0	0.0	0.0		3.2		5.0
Queue Clearance Time (*g s*), s						7.9		10.8
Green Extension Time (*g e*), s		0.0	0.0	0.0		0.2		1.6
Phase Call Probability						0.96		1.00
Max Out Probability						0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement		6	16	5	2		7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h		1025	1025	0	0		15	72		115	104	67
Adjusted Saturation Flow Rate (*s*), veh/h/ln		1826	1806	1810	1654		1697	1572		1640	1652	1095
Queue Service Time (*g s*), s		130.0	28.0	0.0	0.0		1.1	5.9		8.8	7.9	7.7
Cycle Queue Clearance Time (*g c*), s		130.0	28.0	0.0	0.0		1.1	5.9		8.8	7.9	7.7
Green Ratio (*g/C*)		0.69	0.69	0.65	0.69		0.06	0.06		0.10	0.10	0.10
Capacity (*c*), veh/h		1256	1242	57	2276		101	93		157	158	105
Volume-to-Capacity Ratio (*X*)		0.816	0.825	0.000	0.000		0.148	0.776		0.731	0.661	0.639
Back of Queue (*Q*), ft/ln (95 th percentile)		208.1	225.4	0	0		22.7	114.6		200.2	175.3	142.4
Back of Queue (*Q*), veh/ln (95 th percentile)		8.0	8.9	0.0	0.0		0.9	4.5		7.3	6.5	4.3
Queue Storage Ratio (*RQ*) (95 th percentile)		0.00	0.00	0.00	0.00		0.45	0.00		0.22	0.78	0.63
Uniform Delay (*d 1*), s/veh		2.7	3.3	0.0	0.0		58.0	60.3		57.1	56.7	56.6
Incremental Delay (*d 2*), s/veh		5.9	6.3	0.0	0.0		0.2	5.1		8.9	6.6	8.9
Initial Queue Delay (*d 3*), s/veh		0.0	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh		8.6	9.6	0.0	0.0		58.3	65.4		66.1	63.3	65.5
Level of Service (LOS)		A	A				E	E		E	E	E
Approach Delay, s/veh / LOS	9.1	A		0.0			64.2	E		64.9	E	
Intersection Delay, s/veh / LOS	17.7						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday AM Peak Hour	PHF	0.94
Urban Street	US 441	Analysis Year	2025 BUILD Traffic - Optimized Timings	Analysis Period	1> 7:15
Intersection	US 441/I-75 East Ramps	File Name	2025_B_AM_US441__75Ramps.xus		
Project Description	2025 AM Peak Hour				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	72	1123	83	49	1031		53	19	12	199	30	195

Signal Information			
Cycle, s	130.0	Reference Phase	2
Offset, s	97	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off

							1	2	3	4		
Green	3.4	5.2	63.9	8.4	22.5	0.0						
Yellow	4.8	0.0	4.8	4.0	4.0	0.0						
Red	2.0	0.0	2.0	2.7	2.4	0.0	5	6	7	8		

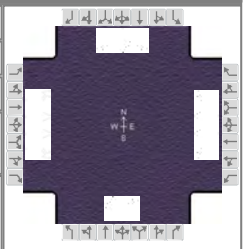
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2		4		8
Case Number	1.1	4.0	1.1	4.0		12.0		11.0
Phase Duration, s	15.3	75.8	10.2	70.7		15.1		28.9
Change Period, ($Y+R_c$), s	6.9	6.9	6.8	6.9		6.7		6.4
Max Allow Headway (*MAH*), s	3.9	0.0	2.9	0.0		3.5		5.1
Queue Clearance Time (g_s), s	8.2		3.9			8.5		19.7
Green Extension Time (g_e), s	0.4	0.0	0.1	0.0		0.2		2.8
Phase Call Probability	0.99		0.85			0.96		1.00
Max Out Probability	0.00		0.00			0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2		7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	126	1054	1054	52	1097			89			244	186
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1259	1841	1796	1781	1781			1755			1721	1203
Queue Service Time (g_s), s	6.2	68.9	68.9	1.9	23.5			6.5			17.7	9.0
Cycle Queue Clearance Time (g_c), s	6.2	68.9	68.9	1.9	23.5			6.5			17.7	9.0
Green Ratio (*g/C*)	0.56	0.53	0.53	0.52	0.49			0.06			0.17	0.17
Capacity (*c*), veh/h	250	976	953	102	1747			113			298	416
Volume-to-Capacity Ratio (*X*)	0.504	1.080	1.107	0.512	0.628			0.789			0.818	0.448
Back of Queue (*Q*), ft/ln (95 th percentile)	108	1149	1203.4	36	308.9			146.7			343.7	145.3
Back of Queue (*Q*), veh/ln (95 th percentile)	3.3	44.5	47.4	1.4	12.2			5.7			13.0	5.0
Queue Storage Ratio (*RQ*) (95 th percentile)	0.39	0.00	0.00	0.14	0.00			0.00			0.00	0.00
Uniform Delay (d_1), s/veh	18.6	23.5	23.1	31.3	15.5			59.9			51.8	48.2
Incremental Delay (d_2), s/veh	0.6	43.9	54.7	1.5	1.7			8.7			7.7	1.1
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0			0.0			0.0	0.0
Control Delay (*d*), s/veh	19.2	67.4	77.8	32.8	17.2			68.7			59.5	49.3
Level of Service (LOS)	B	F	F	C	B			E			E	D
Approach Delay, s/veh / LOS	69.6	E		17.9	B		68.7	E		55.0	E	
Intersection Delay, s/veh / LOS	52.8						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								

HCS7 Signalized Intersection Results Summary

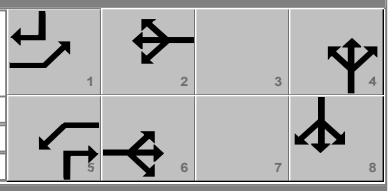
General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.250
Analyst	J. Buckholz	Analysis Date	Jan 22, 2021	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday AM Peak Hour	PHF	0.89
Urban Street	US 441	Analysis Year	2025 BUILD Traffic - SPLIT PHASE, Opt. Splits	Analysis Period	1> 7:15
Intersection	US 441/NW 147th Drive	File Name	SPLITPH_2025_B_AM_US441_NW147.xus		
Project Description	2025 AM Peak Hour with RT Overlap Phase				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	60	1152	72	38	806	98	104	15	71	246	24	74

Signal Information			
Cycle, s	130.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off

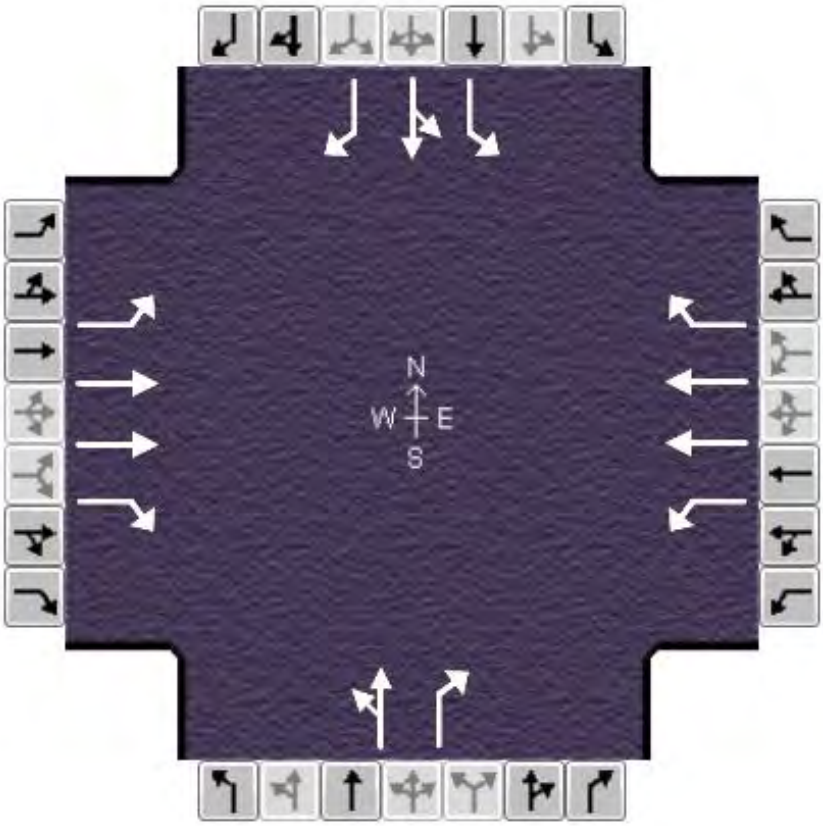
Green	3.1	0.7	71.3	12.3	15.3	0.0	
Yellow	4.9	0.0	4.9	4.0	3.8	0.0	
Red	2.0	0.0	2.0	2.5	3.1	0.0	



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2		4		8
Case Number	1.1	3.0	1.1	3.0		11.0		9.0
Phase Duration, s	10.8	78.9	10.0	78.2		18.8		22.2
Change Period, ($Y+R_c$), s	6.8	6.9	6.9	6.9		6.5		6.9
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0		4.1		4.0
Queue Clearance Time (g_s), s	4.3		3.3			11.7		14.1
Green Extension Time (g_e), s	0.1	0.0	0.1	0.0		0.6		1.3
Phase Call Probability	0.91		0.79			1.00		1.00
Max Out Probability	0.00		0.00			0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	67	1294	73	43	906	100		134	72	138	165	75
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1682	1724	1510	1810	1710	1422		1749	1309	1739	1734	1447
Queue Service Time (g_s), s	2.3	25.5	2.9	1.3	14.3	4.4		9.7	6.7	9.9	12.1	6.1
Cycle Queue Clearance Time (g_c), s	2.3	25.5	2.9	1.3	14.3	4.4		9.7	6.7	9.9	12.1	6.1
Green Ratio (*g/C*)	0.58	0.55	0.55	0.57	0.55	0.55		0.09	0.12	0.12	0.12	0.15
Capacity (*c*), veh/h	362	1910	836	247	1875	780		165	155	205	205	215
Volume-to-Capacity Ratio (*X*)	0.186	0.678	0.087	0.173	0.483	0.128		0.808	0.463	0.674	0.807	0.350
Back of Queue (*Q*), ft/ln (95 th percentile)	39.8	283.5	48.3	23.7	203.8	72.7		215.7	123	209.9	265.5	112.8
Back of Queue (*Q*), veh/ln (95 th percentile)	1.5	10.8	1.8	0.9	7.7	2.6		8.3	4.1	8.1	9.6	4.1
Queue Storage Ratio (*RQ*) (95 th percentile)	0.13	0.00	0.19	0.12	0.00	0.00		0.00	0.61	0.93	0.00	0.28
Uniform Delay (d_1), s/veh	12.9	10.9	13.6	15.2	9.8	14.3		57.7	53.4	54.9	55.9	49.7
Incremental Delay (d_2), s/veh	0.1	2.0	0.2	0.1	0.9	0.3		9.0	2.1	3.8	7.3	1.0
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	13.0	12.9	13.8	15.4	10.7	14.6		66.7	55.6	58.7	63.2	50.7
Level of Service (LOS)	B	B	B	B	B	B		E	E	E	E	D
Approach Delay, s/veh / LOS	12.9	B		11.3	B		62.8	E		59.1	E	
Intersection Delay, s/veh / LOS	21.4						C					

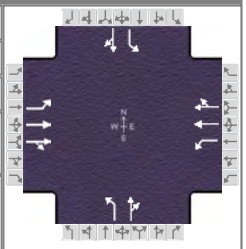
Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								



Clear

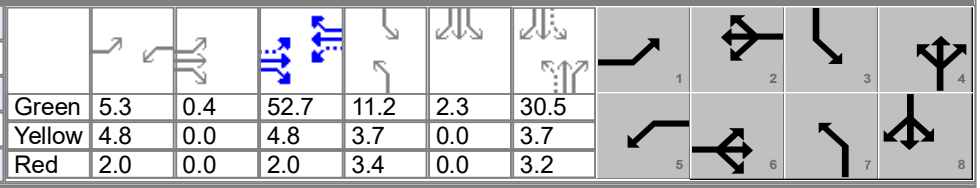
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	Jan 22, 2021	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday AM Peak Hour	PHF	0.90
Urban Street	US 441	Analysis Year	2025 BUILD Traffic - Optimized Splits	Analysis Period	1> 7:15
Intersection	US 441/NW 140th Sreet	File Name	2025_B_AM_US441_NW140.xus		
Project Description	2025 AM Peak Hour with 300 foot LT Lanes				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	79	1407	25	115	615	68	138	187	95	171	313	47

Signal Information			
Cycle, s	130.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off



Green	5.3	0.4	52.7	11.2	2.3	30.5			
Yellow	4.8	0.0	4.8	3.7	0.0	3.7			
Red	2.0	0.0	2.0	3.4	0.0	3.2			

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	4.0	1.1	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	12.5	59.9	12.1	59.5	18.3	37.4	20.6	39.7
Change Period, ($Y+R_c$), s	6.9	6.9	6.8	6.9	7.1	7.7	7.7	7.7
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0	3.0	10.0	3.0	9.9
Queue Clearance Time (g_s), s	5.8		7.3		11.0	27.1	12.7	33.7
Green Extension Time (g_e), s	0.1	0.0	0.0	0.0	0.2	1.1	0.2	0.0
Phase Call Probability	0.96		0.99		1.00	1.00	1.00	1.00
Max Out Probability	0.00		1.00		0.00	1.00	0.00	1.00

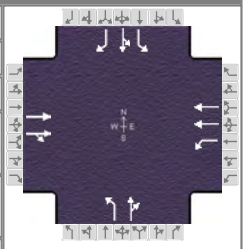
Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	88	797	794	128	386	373	153	313		190	400	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1767	1826	1814	1570	1811	1747	1668	1568		1739	1639	
Queue Service Time (g_s), s	3.8	53.0	53.0	5.3	21.0	21.0	9.0	25.1		10.7	31.7	
Cycle Queue Clearance Time (g_c), s	3.8	53.0	53.0	5.3	21.0	21.0	9.0	25.1		10.7	31.7	
Green Ratio (*g/C*)	0.45	0.41	0.41	0.45	0.40	0.40	0.31	0.23		0.33	0.25	
Capacity (*c*), veh/h	302	744	740	120	733	707	199	357		264	403	
Volume-to-Capacity Ratio (*X*)	0.291	1.071	1.073	1.066	0.526	0.527	0.769	0.877		0.720	0.993	
Back of Queue (*Q*), ft/ln (95 th percentile)	70.2	1071.2	1103.2	270	376	391.8	185.4	506.9		213.5	689.3	
Back of Queue (*Q*), veh/ln (95 th percentile)	2.7	41.2	41.5	9.5	14.4	14.0	6.9	18.0		8.2	24.6	
Queue Storage Ratio (*RQ*) (95 th percentile)	0.23	0.00	0.00	0.90	0.00	0.00	0.62	0.00		0.71	0.00	
Uniform Delay (d_1), s/veh	22.8	29.7	30.0	35.3	29.3	29.3	37.0	48.4		36.0	48.9	
Incremental Delay (d_2), s/veh	0.2	53.5	54.5	101.1	2.7	2.8	2.4	24.7		1.5	43.1	
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Control Delay (*d*), s/veh	23.0	83.2	84.5	136.4	32.0	32.1	39.4	73.1		37.5	92.0	
Level of Service (LOS)	C	F	F	F	C	C	D	E		D	F	
Approach Delay, s/veh / LOS	80.7	F		47.1	D		62.1	E		74.5	E	
Intersection Delay, s/veh / LOS	69.0						E					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								

PM PEAK HOUR

HCS7 Signalized Intersection Results Summary

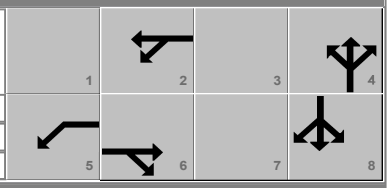
General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday PM Peak Hour	PHF	0.93
Urban Street	US 441	Analysis Year	2020 Existing Traffic	Analysis Period	1> 16:45
Intersection	US 441/I-75 West Ramp…	File Name	Ex_2020_PM_US441__75Ramps.xus		
Project Description	2020 PM Peak Hour				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h		965	77	34	1730		33	0	103	127	14	69

Signal Information			
Cycle, s	160.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off

Green	3.3	106.3	11.3	11.1	0.0	0.0
Yellow	4.8	4.9	4.0	4.0	0.0	0.0
Red	2.0	2.0	3.1	3.1	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6	5	2		4		8
Case Number		8.3	1.0	4.0		10.0		9.0
Phase Duration, s		113.2	10.1	123.3		18.4		18.2
Change Period, (*Y+R c*), s		6.9	6.8	6.9		7.1		7.1
Max Allow Headway (*MAH*), s		0.0	2.9	0.0		4.2		4.0
Queue Clearance Time (*g s*), s			3.2			10.9		10.4
Green Extension Time (*g e*), s		0.0	0.1	0.0		0.4		0.7
Phase Call Probability			0.83			1.00		1.00
Max Out Probability			0.00			0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement		6	16	5	2		7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h		567	553	39	2007		35	89		75	77	67
Adjusted Saturation Flow Rate (*s*), veh/h/ln		1796	1749	1612	1766		1810	1572		1725	1736	1246
Queue Service Time (*g s*), s		59.9	12.5	1.2	57.4		3.0	8.9		6.8	6.9	8.4
Cycle Queue Clearance Time (*g c*), s		59.9	12.5	1.2	57.4		3.0	8.9		6.8	6.9	8.4
Green Ratio (*g/C*)		0.66	0.66	0.70	0.73		0.07	0.07		0.07	0.07	0.07
Capacity (*c*), veh/h		1194	1162	210	2571		128	111		120	121	87
Volume-to-Capacity Ratio (*X*)		0.475	0.476	0.188	0.780		0.277	0.803		0.625	0.633	0.768
Back of Queue (*Q*), ft/ln (95 th percentile)		137.6	166.2	30.1	674.2		64.4	185.3		150.7	156	167.8
Back of Queue (*Q*), veh/ln (95 th percentile)		5.2	6.5	1.1	26.3		2.6	7.2		5.8	5.9	5.4
Queue Storage Ratio (*RQ*) (95 th percentile)		0.00	0.00	0.13	0.00		1.29	3.70		0.17	0.69	0.75
Uniform Delay (*d 1*), s/veh		3.6	4.9	20.8	13.8		70.5	73.2		72.4	72.4	73.2
Incremental Delay (*d 2*), s/veh		1.4	1.4	0.1	1.5		1.2	12.5		5.2	5.4	13.2
Initial Queue Delay (*d 3*), s/veh		0.0	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh		5.0	6.3	20.9	15.3		71.6	85.7		77.6	77.8	86.3
Level of Service (LOS)		A	A	C	B		E	F		E	E	F
Approach Delay, s/veh / LOS	5.6	A		15.4	B		81.7	F		80.3	F	
Intersection Delay, s/veh / LOS	18.7						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

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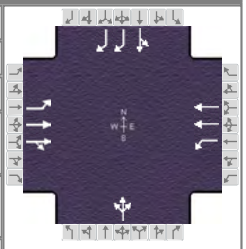
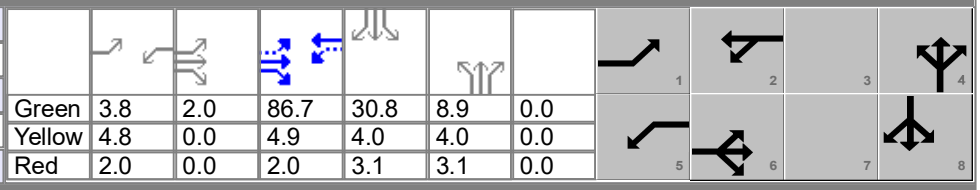
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday PM Peak Hour	PHF	0.93
Urban Street	US 441	Analysis Year	2020 Existing Traffic	Analysis Period	1> 16:45
Intersection	US 441/I-75 East Ramps	File Name	Ex_2020_PM_US441__75Ramps.xus		
Project Description	2020 PM Peak Hour				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	59	855	34	48	1394		55	5	11	235	7	462

Signal Information			
Cycle, s	160.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off



Green	3.8	2.0	86.7	30.8	8.9	0.0						
Yellow	4.8	0.0	4.9	4.0	4.0	0.0						
Red	2.0	0.0	2.0	3.1	3.1	0.0						

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2		4		8
Case Number	1.1	4.0	1.1	4.0		12.0		11.0
Phase Duration, s	12.6	95.6	10.6	93.6		16.0		37.9
Change Period, ($Y+R_c$), s	6.9	6.9	6.8	6.9		7.1		7.1
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0		4.0		4.1
Queue Clearance Time (g_s), s	5.8		4.1			8.9		27.9
Green Extension Time (g_e), s	0.1	0.0	0.1	0.0		0.2		2.9
Phase Call Probability	0.97		0.90			0.97		1.00
Max Out Probability	0.00		0.00			0.00		0.01

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2		7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	79	599	591	52	1499			76			260	449
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1471	1841	1816	1739	1781			1740			1755	1347
Queue Service Time (g_s), s	3.8	27.3	26.9	2.1	42.7			6.9			22.5	25.9
Cycle Queue Clearance Time (g_c), s	3.8	27.3	26.9	2.1	42.7			6.9			22.5	25.9
Green Ratio (*g/C*)	0.58	0.55	0.55	0.57	0.54			0.06			0.19	0.19
Capacity (*c*), veh/h	177	1020	1006	256	1929			96			338	518
Volume-to-Capacity Ratio (*X*)	0.446	0.587	0.587	0.201	0.777			0.792			0.771	0.867
Back of Queue (*Q*), ft/ln (95 th percentile)	72	381.1	362	39.7	506.6			160.4			405.9	378.4
Back of Queue (*Q*), veh/ln (95 th percentile)	2.4	14.8	14.3	1.5	19.9			6.3			15.7	14.3
Queue Storage Ratio (*RQ*) (95 th percentile)	0.26	0.00	0.00	0.16	0.00			0.00			0.00	0.00
Uniform Delay (d_1), s/veh	23.9	15.5	15.0	18.2	16.1			74.7			61.3	62.6
Incremental Delay (d_2), s/veh	0.5	2.0	2.0	0.1	3.2			13.4			3.7	5.9
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0			0.0			0.0	0.0
Control Delay (*d*), s/veh	24.4	17.4	17.0	18.4	19.3			88.1			65.0	68.6
Level of Service (LOS)	C	B	B	B	B			F			E	E
Approach Delay, s/veh / LOS	17.7	B		19.2	B		88.1	F		67.3	E	
Intersection Delay, s/veh / LOS	29.6						C					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

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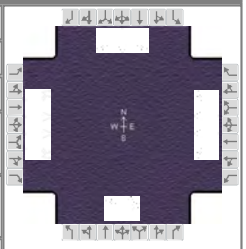
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday PM Peak Hour	PHF	0.93
Urban Street	US 441	Analysis Year	2019 Existing Traffic	Analysis Period	1> 16:45
Intersection	US 441/NW 147th Drive	File Name	Ex_2019_PM_US441_NW147.xus		
Project Description	2019 PM Peak Hour Traffic				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	77	704	126	97	1266	76	170	23	63	57	18	114

Signal Information			
Cycle, s	160.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off

Green	4.8	0.9	97.7	6.6	3.8	13.3	1	2	3	4		
Yellow	4.8	0.0	4.8	3.8	4.0	3.8	5	6	7	8		
Red	2.0	0.0	2.0	2.6	2.1	3.1						

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	3.0	1.1	3.0	1.1	4.0	1.1	3.0
Phase Duration, s	11.6	104.5	12.5	105.4	22.8	30.1	13.0	20.2
Change Period, ($Y+R_c$), s	6.8	6.9	6.9	6.9	6.1	6.9	6.4	6.9
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0	3.0	4.1	3.0	4.2
Queue Clearance Time (g_s), s	4.8		5.5		16.6	10.0	7.0	12.9
Green Extension Time (g_e), s	0.1	0.0	0.1	0.0	0.1	0.3	0.0	0.4
Phase Call Probability	0.97		0.99		1.00	1.00	0.93	1.00
Max Out Probability	0.00		0.00		0.74	0.00	0.01	0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	83	757	122	104	1361	73	183	92		61	19	110
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1795	1752	1585	1795	1752	1572	1781	1679		1781	1900	1585
Queue Service Time (g_s), s	2.8	9.1	5.2	3.5	23.1	3.0	14.6	8.0		5.0	1.5	10.9
Cycle Queue Clearance Time (g_c), s	2.8	9.1	5.2	3.5	23.1	3.0	14.6	8.0		5.0	1.5	10.9
Green Ratio (*g/C*)	0.64	0.61	0.61	0.64	0.62	0.62	0.20	0.14		0.12	0.08	0.08
Capacity (*c*), veh/h	283	2137	967	502	2157	968	334	243		226	158	132
Volume-to-Capacity Ratio (*X*)	0.292	0.354	0.126	0.208	0.631	0.076	0.547	0.380		0.272	0.122	0.831
Back of Queue (*Q*), ft/ln (95 th percentile)	49.7	135.7	86.2	61.8	246.7	49.6	277.7	157.6		105.1	34	217.2
Back of Queue (*Q*), veh/ln (95 th percentile)	2.0	5.3	3.4	2.5	9.6	1.9	10.9	6.3		4.1	1.4	8.6
Queue Storage Ratio (*RQ*) (95 th percentile)	0.17	0.00	0.34	0.31	0.00	0.00	1.85	0.00		0.47	0.00	0.54
Uniform Delay (d_1), s/veh	13.2	6.7	13.2	11.0	7.6	12.4	57.1	61.9		63.5	67.9	72.2
Incremental Delay (d_2), s/veh	0.2	0.5	0.3	0.1	1.4	0.2	0.5	1.0		0.2	0.3	12.5
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh	13.4	7.1	13.5	11.1	9.0	12.6	57.6	62.9		63.8	68.3	84.7
Level of Service (LOS)	B	A	B	B	A	B	E	E		E	E	F
Approach Delay, s/veh / LOS	8.5	A		9.3	A		59.4	E		76.3	E	
Intersection Delay, s/veh / LOS	18.0						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

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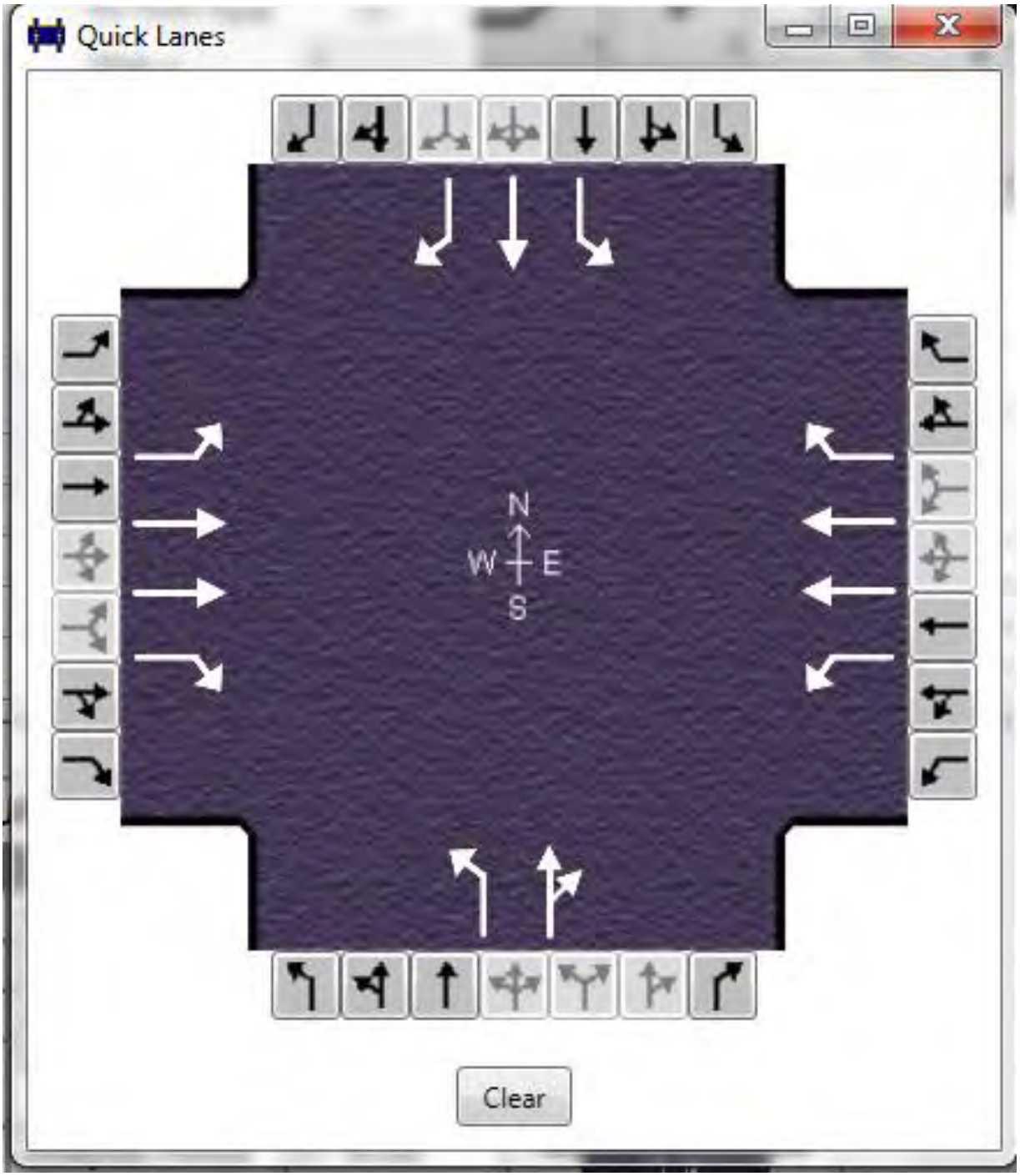
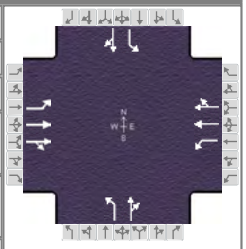

Quick Lanes
N
W
E
S
Clear

HCS7 Signalized Intersection Results Summary

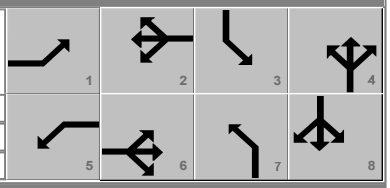
General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	Jan 22, 2021	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday PM Peak Hour	PHF	0.92
Urban Street	US 441	Analysis Year	2019 Existing Traffic	Analysis Period	1> 16:45
Intersection	US 441/NW 140th Street	File Name	Ex_2019_PM_US441_NW140.xus		
Project Description	2019 PM Peak Hour Traffic				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	159	545	170	174	1235	92	143	158	81	64	164	86

Signal Information			
Cycle, s	160.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off

Green	10.0	1.0	77.0	6.6	6.2	30.0	
Yellow	4.9	0.0	4.9	4.3	0.0	4.3	
Red	2.0	0.0	2.0	3.4	0.0	3.4	



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	4.0	1.1	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	16.9	83.9	17.8	84.9	20.5	43.9	14.3	37.7
Change Period, ($Y+R_c$), s	6.9	6.9	6.8	6.9	7.1	7.7	7.7	7.7
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0	3.0	10.0	3.0	10.0
Queue Clearance Time (g_s), s	9.8		10.8		13.4	25.5	6.9	26.4
Green Extension Time (g_e), s	0.2	0.0	0.2	0.0	0.1	4.6	0.0	3.7
Phase Call Probability	1.00		1.00		1.00	1.00	0.95	1.00
Max Out Probability	0.00		0.00		1.00	0.23	0.02	0.63

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	173	405	373	189	728	714	155	260		70	272	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1795	1856	1703	1739	1856	1810	1731	1629		1813	1722	
Queue Service Time (g_s), s	7.8	17.6	20.6	8.8	53.0	53.5	11.4	23.5		4.9	24.4	
Cycle Queue Clearance Time (g_c), s	7.8	17.6	20.6	8.8	53.0	53.5	11.4	23.5		4.9	24.4	
Green Ratio (*g/C*)	0.54	0.48	0.48	0.55	0.49	0.49	0.28	0.23		0.23	0.19	
Capacity (*c*), veh/h	209	893	820	404	904	882	229	369		197	323	
Volume-to-Capacity Ratio (*X*)	0.827	0.453	0.454	0.468	0.805	0.810	0.680	0.704		0.354	0.841	
Back of Queue (*Q*), ft/ln (95 th percentile)	157.1	284	338.1	164.4	848.1	918.1	232.9	438.3		107.1	501.6	
Back of Queue (*Q*), veh/ln (95 th percentile)	6.2	11.1	12.7	6.3	33.1	32.8	9.0	16.2		4.1	18.6	
Queue Storage Ratio (*RQ*) (95 th percentile)	0.79	0.00	0.00	1.10	0.00	0.00	1.55	0.00		0.71	0.00	
Uniform Delay (d_1), s/veh	33.6	18.0	22.7	20.0	34.6	34.7	48.1	56.9		50.7	62.7	
Incremental Delay (d_2), s/veh	4.7	1.7	1.8	0.3	7.6	8.0	4.6	10.7		0.4	22.4	
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Control Delay (*d*), s/veh	38.2	19.7	24.5	20.3	42.2	42.7	52.7	67.7		51.1	85.0	
Level of Service (LOS)	D	B	C	C	D	D	D	E		D	F	
Approach Delay, s/veh / LOS	24.9	C		39.9	D		62.1	E		78.1	E	
Intersection Delay, s/veh / LOS	42.3						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

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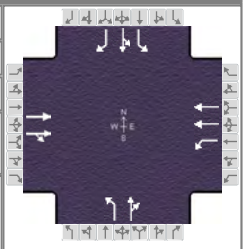
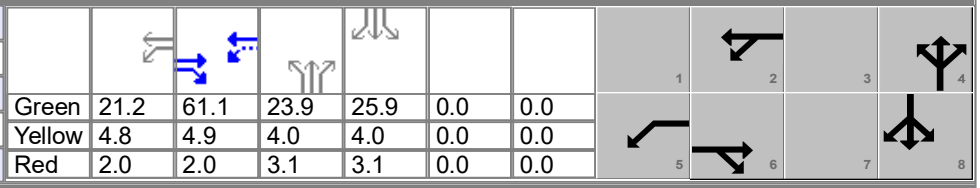
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday PM Peak Hour	PHF	0.93
Urban Street	US 441	Analysis Year	2025 NO BUILD Traffic - Optimized Timings	Analysis Period	1> 16:45
Intersection	US 441/I-75 West Ramp…	File Name	2025_NB_PM_US441__75Ramps.xus		
Project Description	2025 PM Peak Hour				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h		1072	77	34	1920		33	0	103	141	13	77

Signal Information			
Cycle, s	160.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off



Green	21.2	61.1	23.9	25.9	0.0	0.0
Yellow	4.8	4.9	4.0	4.0	0.0	0.0
Red	2.0	2.0	3.1	3.1	0.0	0.0

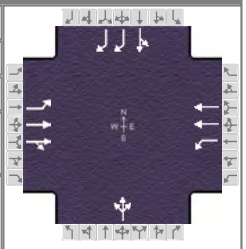
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6	5	2		4		8
Case Number		8.3	1.0	4.0		10.0		9.0
Phase Duration, s		68.0	28.0	96.0		31.0		33.0
Change Period, ($Y+R_c$), s		6.9	6.8	6.9		7.1		7.1
Max Allow Headway (*MAH*), s		0.0	2.9	0.0		4.2		4.0
Queue Clearance Time (g_s), s			3.6			10.2		10.5
Green Extension Time (g_e), s		0.0	0.0	0.0		0.3		0.6
Phase Call Probability			1.00			1.00		1.00
Max Out Probability			0.00			0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement		6	16	5	2		7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h		625	611	38	2125		35	89		83	82	74
Adjusted Saturation Flow Rate (*s*), veh/h/ln		1796	1753	1612	1766		1810	1572		1725	1734	1246
Queue Service Time (g_s), s		52.7	51.4	1.6	89.1		2.7	8.2		6.8	6.7	8.5
Cycle Queue Clearance Time (g_c), s		52.7	51.4	1.6	89.1		2.7	8.2		6.8	6.7	8.5
Green Ratio (*g/C*)		0.38	0.38	0.53	0.56		0.15	0.15		0.16	0.16	0.16
Capacity (*c*), veh/h		686	670	280	1967		270	235		279	281	202
Volume-to-Capacity Ratio (*X*)		0.911	0.912	0.134	1.080		0.131	0.380		0.299	0.293	0.368
Back of Queue (*Q*), ft/ln (95 th percentile)		826.3	797.3	27.1	998.1		57.6	155.2		144.1	144.1	153.7
Back of Queue (*Q*), veh/ln (95 th percentile)		31.3	31.4	1.0	39.0		2.3	6.1		5.5	5.4	5.0
Queue Storage Ratio (*RQ*) (95 th percentile)		0.00	0.00	0.12	0.00		1.15	3.10		0.16	0.64	0.68
Uniform Delay (d_1), s/veh		36.8	38.2	25.3	18.8		59.0	61.4		59.1	59.0	59.8
Incremental Delay (d_2), s/veh		18.4	18.9	0.0	37.1		0.2	1.0		0.6	0.6	1.1
Initial Queue Delay (d_3), s/veh		0.0	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh		55.1	57.1	25.3	55.9		59.3	62.4		59.6	59.6	60.9
Level of Service (LOS)		E	E	C	F		E	E		E	E	E
Approach Delay, s/veh / LOS	56.1	E		55.3	E		61.5	E		60.0	E	
Intersection Delay, s/veh / LOS	56.1						E					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

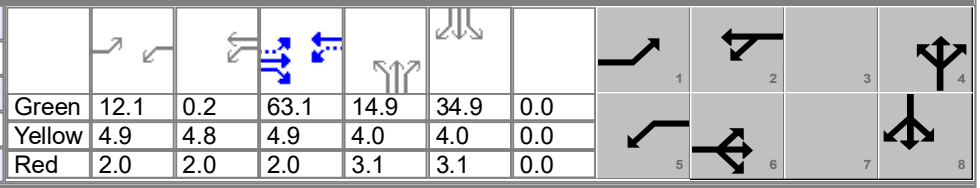
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday PM Peak Hour	PHF	0.93
Urban Street	US 441	Analysis Year	2025 NO BUILD Traffic - Optimized Timings	Analysis Period	1> 16:45
Intersection	US 441/I-75 East Ramps	File Name	2025_NB_PM_US441__75Ramps.xus		
Project Description	2025 PM Peak Hour				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	65	949	34	49	1547		55	5	11	261	7	513

Signal Information			
Cycle, s	160.0	Reference Phase	2
Offset, s	126	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off



Green	12.1	0.2	63.1	14.9	34.9	0.0						
Yellow	4.9	4.8	4.9	4.0	4.0	0.0						
Red	2.0	2.0	2.0	3.1	3.1	0.0						

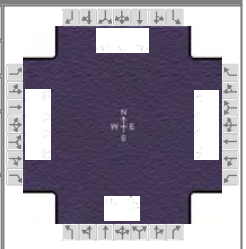
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2		4		8
Case Number	1.1	4.0	1.1	4.0		12.0		11.0
Phase Duration, s	19.0	70.0	26.0	77.0		22.0		42.0
Change Period, ($Y+R_c$), s	6.9	6.9	6.8	6.9		7.1		7.1
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0		4.0		4.1
Queue Clearance Time (g_s), s	7.5		4.4			8.7		30.3
Green Extension Time (g_e), s	0.0	0.0	0.0	0.0		0.1		1.5
Phase Call Probability	1.00		1.00			1.00		1.00
Max Out Probability	0.07		0.00			0.09		0.88

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2		7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	88	667	660	53	1663			76			288	497
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1471	1841	1818	1739	1781			1740			1755	1347
Queue Service Time (g_s), s	5.5	57.2	57.3	2.4	70.1			6.7			24.6	28.3
Cycle Queue Clearance Time (g_c), s	5.5	57.2	57.3	2.4	70.1			6.7			24.6	28.3
Green Ratio (*g/C*)	0.47	0.39	0.39	0.53	0.44			0.09			0.22	0.22
Capacity (*c*), veh/h	156	726	717	268	1560			162			383	588
Volume-to-Capacity Ratio (*X*)	0.562	0.919	0.921	0.196	1.066			0.471			0.753	0.845
Back of Queue (*Q*), ft/ln (95 th percentile)	177.4	929.8	907.6	44.7	1192.6			142			451.7	420.6
Back of Queue (*Q*), veh/ln (95 th percentile)	6.0	36.0	35.7	1.7	47.0			5.5			17.5	15.9
Queue Storage Ratio (*RQ*) (95 th percentile)	0.65	0.00	0.00	0.18	0.00			0.00			0.00	0.00
Uniform Delay (d_1), s/veh	39.1	65.4	65.4	30.9	33.3			68.8			58.5	60.0
Incremental Delay (d_2), s/veh	1.2	9.7	9.9	0.1	42.7			2.1			8.2	10.9
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0			0.0			0.0	0.0
Control Delay (*d*), s/veh	40.3	75.1	75.3	31.0	76.0			70.9			66.7	70.9
Level of Service (LOS)	D	E	E	C	F			E			E	E
Approach Delay, s/veh / LOS	73.1	E		74.6	E		70.9	E		69.4	E	
Intersection Delay, s/veh / LOS	73.0						E					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

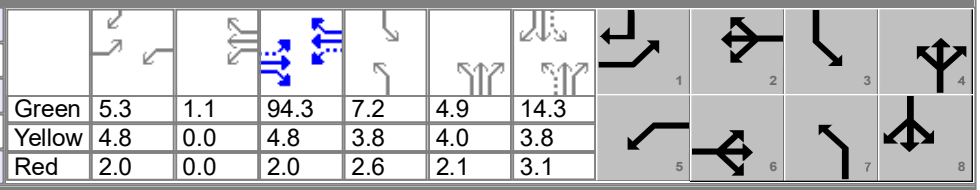
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday PM Peak Hour	PHF	0.93
Urban Street	US 441	Analysis Year	2025 NO BUILD Traffic - Optimized Timings	Analysis Period	1> 16:45
Intersection	US 441/NW 147th Drive	File Name	2025_NB_PM_US441_NW147.xus		
Project Description	2025 PM Peak Hour with RT Ovelap Phase				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	85	781	140	108	1405	84	189	26	70	63	20	127

Signal Information			
Cycle, s	160.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off



Green	5.3	1.1	94.3	7.2	4.9	14.3
Yellow	4.8	0.0	4.8	3.8	4.0	3.8
Red	2.0	0.0	2.0	2.6	2.1	3.1

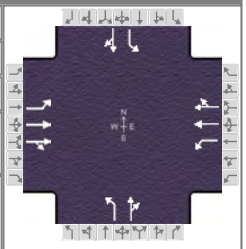
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	3.0	1.1	3.0	1.1	4.0	1.1	3.0
Phase Duration, s	12.1	101.1	13.2	102.2	24.6	32.2	13.6	21.2
Change Period, ($Y+R_c$), s	6.8	6.9	6.9	6.9	6.1	6.9	6.4	6.9
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0	3.0	4.1	3.0	4.2
Queue Clearance Time (g_s), s	5.2		6.1		18.1	10.8	7.5	13.8
Green Extension Time (g_e), s	0.1	0.0	0.2	0.0	0.3	0.4	0.1	0.5
Phase Call Probability	0.98		0.99		1.00	1.00	0.95	1.00
Max Out Probability	0.00		0.00		0.00	0.00	0.00	0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	91	840	135	116	1511	82	203	103		68	22	123
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1795	1752	1585	1795	1752	1572	1781	1680		1781	1900	1585
Queue Service Time (g_s), s	3.2	12.1	6.2	4.1	33.5	3.5	16.1	8.8		5.5	1.7	11.8
Cycle Queue Clearance Time (g_c), s	3.2	12.1	6.2	4.1	33.5	3.5	16.1	8.8		5.5	1.7	11.8
Green Ratio (*g/C*)	0.62	0.59	0.59	0.63	0.60	0.60	0.22	0.16		0.13	0.09	0.12
Capacity (*c*), veh/h	235	2063	933	454	2086	936	360	265		241	170	194
Volume-to-Capacity Ratio (*X*)	0.390	0.407	0.145	0.256	0.724	0.087	0.564	0.389		0.282	0.127	0.632
Back of Queue (*Q*), ft/ln (95 th percentile)	59	179.6	103.5	73.6	342.2	59.4	300	174.1		115.1	37.5	219.3
Back of Queue (*Q*), veh/ln (95 th percentile)	2.3	7.0	4.1	2.9	13.3	2.3	11.8	7.0		4.5	1.5	8.6
Queue Storage Ratio (*RQ*) (95 th percentile)	0.20	0.00	0.41	0.37	0.00	0.00	2.00	0.00		0.51	0.00	0.55
Uniform Delay (d_1), s/veh	17.1	8.4	14.8	12.4	10.1	13.8	55.4	60.5		62.3	67.1	66.8
Incremental Delay (d_2), s/veh	0.4	0.6	0.3	0.1	2.2	0.2	0.5	0.9		0.2	0.3	3.4
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh	17.5	9.0	15.1	12.5	12.4	14.0	55.9	61.4		62.5	67.4	70.1
Level of Service (LOS)	B	A	B	B	B	B	E	E		E	E	E
Approach Delay, s/veh / LOS	10.5	B		12.4	B		57.7	E		67.4	E	
Intersection Delay, s/veh / LOS	19.6						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								
Bicycle LOS Score / LOS								

HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	Jan 22, 2021	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday PM Peak Hour	PHF	0.92
Urban Street	US 441	Analysis Year	2025 NO BUILD Traffic - Optimized Splits	Analysis Period	1> 16:45
Intersection	US 441/NW 140th Street	File Name	2025_NB_PM_US441_NW140.xus		
Project Description	2025 PM Peak Hour with 300 foot LT lanes				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	176	605	189	193	1371	102	159	175	90	71	182	95

Signal Information			
Cycle, s	160.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off

Green	12.3	0.3	71.8	7.2	6.7	32.5	1	2	3	4		
Yellow	4.9	0.0	4.9	4.3	0.0	4.3						
Red	2.0	0.0	2.0	3.4	0.0	3.4	5	6	7	8		

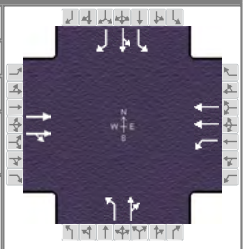
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	4.0	1.1	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	19.2	78.7	19.5	79.0	21.6	46.9	14.9	40.2
Change Period, ($Y+R_c$), s	6.9	6.9	6.8	6.9	7.1	7.7	7.7	7.7
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0	3.0	10.0	3.0	10.0
Queue Clearance Time (g_s), s	14.3		12.4		14.4	28.0	7.3	29.0
Green Extension Time (g_e), s	0.0	0.0	0.3	0.0	0.2	4.9	0.1	3.5
Phase Call Probability	1.00		1.00		1.00	1.00	0.97	1.00
Max Out Probability	1.00		0.00		0.00	0.35	0.00	0.92

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	191	450	413	210	806	795	173	288		77	301	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1795	1856	1703	1739	1856	1810	1731	1629		1813	1722	
Queue Service Time (g_s), s	12.3	23.0	25.8	10.4	67.6	68.8	12.4	26.0		5.3	27.0	
Cycle Queue Clearance Time (g_c), s	12.3	23.0	25.8	10.4	67.6	68.8	12.4	26.0		5.3	27.0	
Green Ratio (*g/C*)	0.53	0.45	0.45	0.53	0.45	0.45	0.30	0.25		0.25	0.20	
Capacity (*c*), veh/h	185	833	764	363	836	816	238	399		205	350	
Volume-to-Capacity Ratio (*X*)	1.031	0.540	0.541	0.579	0.964	0.974	0.726	0.722		0.377	0.861	
Back of Queue (*Q*), ft/ln (95 th percentile)	430.2	365.6	416.4	196.5	1150.8	1264.1	242.5	474.8		116	547.7	
Back of Queue (*Q*), veh/ln (95 th percentile)	17.1	14.3	15.7	7.6	45.0	45.1	9.4	17.6		4.5	20.3	
Queue Storage Ratio (*RQ*) (95 th percentile)	1.43	0.00	0.00	0.65	0.00	0.00	0.81	0.00		0.39	0.00	
Uniform Delay (d_1), s/veh	52.7	22.3	27.1	23.4	42.7	43.0	46.1	55.4		48.7	61.6	
Incremental Delay (d_2), s/veh	74.5	2.5	2.7	0.5	23.6	25.8	2.5	10.8		0.4	23.2	
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Control Delay (*d*), s/veh	127.2	24.8	29.9	23.9	66.3	68.9	48.6	66.2		49.2	84.8	
Level of Service (LOS)	F	C	C	C	E	E	D	E		D	F	
Approach Delay, s/veh / LOS	45.4	D		62.5	E		59.6	E		77.5	E	
Intersection Delay, s/veh / LOS	58.8						E					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								

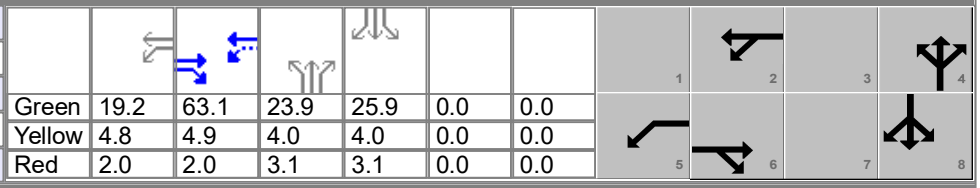
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday PM Peak Hour	PHF	0.93
Urban Street	US 441	Analysis Year	2025 BUILD Traffic - Optimized Timings	Analysis Period	1> 16:45
Intersection	US 441/I-75 West Ramp…	File Name	2025_B_PM_US441__75Ramps.xus		
Project Description	2025 PM Peak Hour				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h		1223	77	34	2030		33	0	103	200	13	77

Signal Information			
Cycle, s	160.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off



Green	19.2	63.1	23.9	25.9	0.0	0.0
Yellow	4.8	4.9	4.0	4.0	0.0	0.0
Red	2.0	2.0	3.1	3.1	0.0	0.0

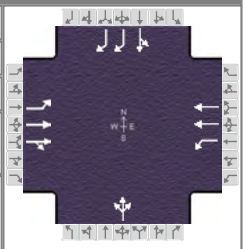
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6	5	2		4		8
Case Number		8.3	1.0	4.0		10.0		9.0
Phase Duration, s		70.0	26.0	96.0		31.0		33.0
Change Period, ($Y+R_c$), s		6.9	6.8	6.9		7.1		7.1
Max Allow Headway (*MAH*), s		0.0	2.9	0.0		4.2		4.0
Queue Clearance Time (g_s), s			3.6			10.2		11.9
Green Extension Time (g_e), s		0.0	0.0	0.0		0.3		0.8
Phase Call Probability			1.00			1.00		1.00
Max Out Probability			0.00			0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement		6	16	5	2		7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h		705	693	36	2149		35	89		118	111	74
Adjusted Saturation Flow Rate (*s*), veh/h/ln		1796	1758	1612	1766		1810	1572		1725	1732	1246
Queue Service Time (g_s), s		62.7	63.0	1.6	89.1		2.7	8.2		9.9	9.2	8.5
Cycle Queue Clearance Time (g_c), s		62.7	63.0	1.6	89.1		2.7	8.2		9.9	9.2	8.5
Green Ratio (*g/C*)		0.39	0.39	0.53	0.56		0.15	0.15		0.16	0.16	0.16
Capacity (*c*), veh/h		708	693	239	1967		270	235		279	280	202
Volume-to-Capacity Ratio (*X*)		0.995	0.999	0.151	1.092		0.131	0.380		0.424	0.395	0.368
Back of Queue (*Q*), ft/ln (95 th percentile)		1046.2	1012.8	26.1	1068.3		57.6	155.2		207	198	153.7
Back of Queue (*Q*), veh/ln (95 th percentile)		39.6	39.9	0.9	41.7		2.3	6.1		7.9	7.4	5.0
Queue Storage Ratio (*RQ*) (95 th percentile)		0.00	0.00	0.12	0.00		1.15	3.10		0.23	0.88	0.68
Uniform Delay (d_1), s/veh		37.8	39.2	28.1	19.3		59.0	61.4		60.3	60.0	59.8
Incremental Delay (d_2), s/veh		32.7	34.0	0.0	42.4		0.2	1.0		1.0	0.9	1.1
Initial Queue Delay (d_3), s/veh		0.0	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh		70.4	73.1	28.1	61.7		59.3	62.4		61.4	60.9	60.9
Level of Service (LOS)		E	E	C	F		E	E		E	E	E
Approach Delay, s/veh / LOS	71.8	E		61.1	E		61.5	E		61.1	E	
Intersection Delay, s/veh / LOS	64.8						E					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								

HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday PM Peak Hour	PHF	0.93
Urban Street	US 441	Analysis Year	2025 BUILD Traffic - Optimized Timings	Analysis Period	1> 16:45
Intersection	US 441/I-75 East Ramps	File Name	2025_B_PM_US441__75Ramps.xus		
Project Description	2025 PM Peak Hour				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	65	1165	34	49	1708		55	5	11	359	7	513

Signal Information			
Cycle, s	160.0	Reference Phase	2
Offset, s	125	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off

							1	2	3	4	
Green	9.1	2.2	62.1	15.9	35.9	0.0	5	6	7	8	
Yellow	4.9	4.8	4.9	4.0	4.0	0.0					
Red	2.0	2.0	2.0	3.1	3.1	0.0					

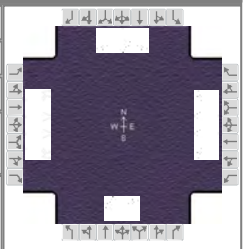
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2		4		8
Case Number	1.1	4.0	1.1	4.0		12.0		11.0
Phase Duration, s	16.0	69.0	25.0	78.0		23.0		43.0
Change Period, ($Y+R_c$), s	6.9	6.9	6.8	6.9		7.1		7.1
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0		4.0		4.1
Queue Clearance Time (g_s), s	7.4		4.4			8.6		37.9
Green Extension Time (g_e), s	0.0	0.0	0.0	0.0		0.1		0.0
Phase Call Probability	1.00		1.00			1.00		1.00
Max Out Probability	1.00		0.00			0.03		1.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2		7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	84	781	776	53	1837			76			394	497
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1471	1841	1822	1739	1781			1740			1755	1347
Queue Service Time (g_s), s	5.4	62.1	62.1	2.4	71.1			6.6			35.9	28.1
Cycle Queue Clearance Time (g_c), s	5.4	62.1	62.1	2.4	71.1			6.6			35.9	28.1
Green Ratio (*g/C*)	0.44	0.39	0.39	0.51	0.44			0.10			0.22	0.22
Capacity (*c*), veh/h	129	714	707	243	1582			173			394	605
Volume-to-Capacity Ratio (*X*)	0.656	1.093	1.097	0.217	1.161			0.442			1.000	0.822
Back of Queue (*Q*), ft/ln (95 th percentile)	157.6	1246.5	1228.3	46.2	1534.5			140.5			735.3	413
Back of Queue (*Q*), veh/ln (95 th percentile)	5.3	48.3	48.4	1.8	60.4			5.5			28.5	15.6
Queue Storage Ratio (*RQ*) (95 th percentile)	0.57	0.00	0.00	0.18	0.00			0.00			0.00	0.00
Uniform Delay (d_1), s/veh	40.3	65.6	65.6	32.3	32.6			67.9			62.0	59.0
Incremental Delay (d_2), s/veh	2.4	48.1	49.8	0.2	79.7			1.8			45.2	8.9
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0			0.0			0.0	0.0
Control Delay (*d*), s/veh	42.7	113.7	115.4	32.5	112.3			69.6			107.3	67.9
Level of Service (LOS)	D	F	F	C	F			E			F	E
Approach Delay, s/veh / LOS	110.8	F		110.1	F		69.6	E		85.3	F	
Intersection Delay, s/veh / LOS	104.8						F					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								

HCS7 Signalized Intersection Results Summary

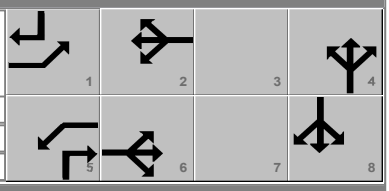
General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.250
Analyst	J. Buckholz	Analysis Date	2/22/2015	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday PM Peak Hour	PHF	0.93
Urban Street	US 441	Analysis Year	2025 BUILD Traffic - SPLIT PHASE, Opt. Timings	Analysis Period	1> 16:45
Intersection	US 441/NW 147th Drive	File Name	SPLITPH_2025_B_PM_US441_NW147.xus		
Project Description	2025 PM Peak Hour with RT Ovelap Phase				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	109	781	140	108	1525	179	192	45	70	200	33	149

Signal Information			
Cycle, s	160.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off

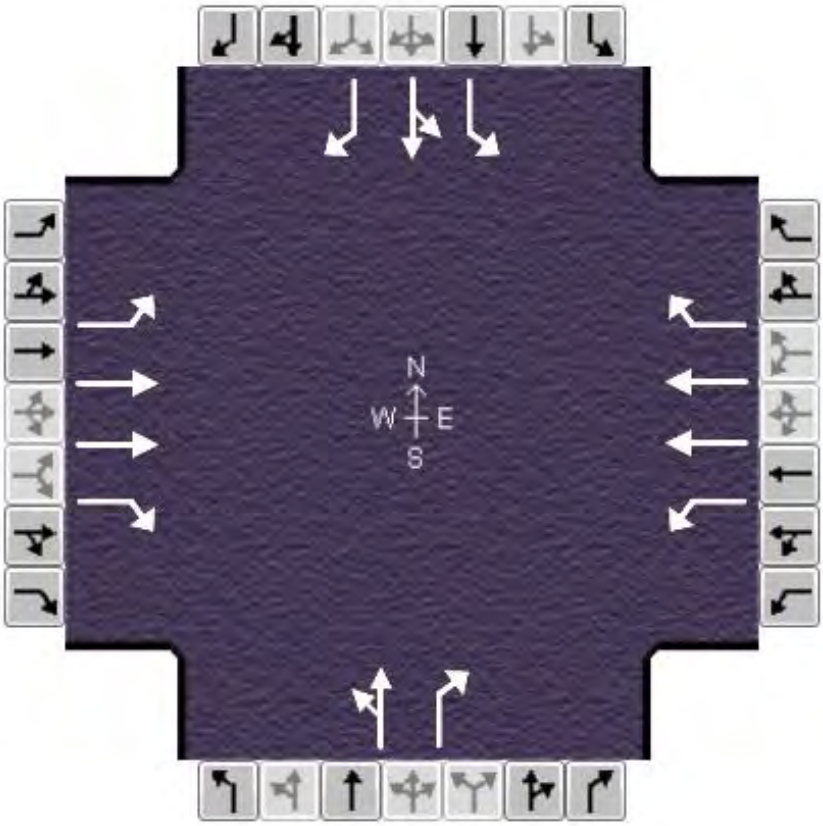
Green	7.0	83.9	25.0	17.0	0.0	0.0
Yellow	4.8	4.9	4.0	3.8	0.0	0.0
Red	2.0	2.0	2.5	3.1	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2		4		8
Case Number	1.1	3.0	1.1	3.0		11.0		9.0
Phase Duration, s	13.8	90.8	13.8	90.8		31.5		23.9
Change Period, ($Y+R_c$), s	6.8	6.9	6.9	6.9		6.5		6.9
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0		4.0		4.0
Queue Clearance Time (g_s), s	6.8		6.8			23.9		15.6
Green Extension Time (g_e), s	0.2	0.0	0.2	0.0		1.2		1.4
Phase Call Probability	0.99		0.99			1.00		1.00
Max Out Probability	0.00		0.00			0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	117	840	135	116	1640	175		255	75	108	143	144
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1795	1752	1585	1795	1752	1572		1826	1309	1781	1811	1585
Queue Service Time (g_s), s	4.8	17.0	7.1	4.8	59.8	9.5		21.9	7.8	9.2	12.3	13.6
Cycle Queue Clearance Time (g_c), s	4.8	17.0	7.1	4.8	59.8	9.5		21.9	7.8	9.2	12.3	13.6
Green Ratio (*g/C*)	0.57	0.52	0.52	0.57	0.52	0.52		0.16	0.20	0.11	0.11	0.15
Capacity (*c*), veh/h	166	1837	831	398	1838	825		286	261	189	192	237
Volume-to-Capacity Ratio (*X*)	0.708	0.457	0.163	0.291	0.892	0.213		0.892	0.288	0.569	0.745	0.608
Back of Queue (*Q*), ft/ln (95 th percentile)	109.3	248.6	123.7	88.7	723	165.9		410.8	142.2	197.7	251.1	244.1
Back of Queue (*Q*), veh/ln (95 th percentile)	4.3	9.6	4.9	3.5	28.0	6.5		16.4	4.8	7.8	10.0	9.6
Queue Storage Ratio (*RQ*) (95 th percentile)	0.36	0.00	0.49	0.44	0.00	0.00		0.00	0.71	0.88	0.00	0.61
Uniform Delay (d_1), s/veh	34.0	14.0	19.8	17.1	20.4	20.4		66.1	54.4	68.0	69.4	63.6
Incremental Delay (d_2), s/veh	2.1	0.8	0.4	0.1	7.1	0.6		9.4	0.6	2.7	5.6	2.5
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	36.1	14.8	20.2	17.3	27.5	20.9		75.5	55.0	70.7	75.0	66.1
Level of Service (LOS)	D	B	C	B	C	C		E	D	E	E	E
Approach Delay, s/veh / LOS	17.8	B		26.3	C		70.8	E		70.6	E	
Intersection Delay, s/veh / LOS	32.4						C					

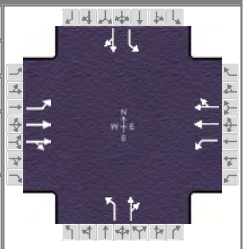
Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								



Clear

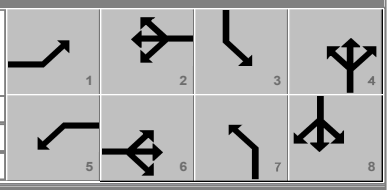
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	BUCKHOLZ TRAFFIC			Duration, h	0.25
Analyst	J. Buckholz	Analysis Date	Jan 22, 2021	Area Type	Other
Jurisdiction	Alachua County	Time Period	Weekday PM Peak Hour	PHF	0.92
Urban Street	US 441	Analysis Year	2025 BUILD Traffic - Optimized Splits	Analysis Period	1> 16:45
Intersection	US 441/NW 140th Street	File Name	2025_B_PM_US441_NW140.xus		
Project Description	2025 PM Peak Hour with 300 foot LT lanes				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	195	695	217	193	1558	144	180	243	90	92	226	102

Signal Information			
Cycle, s	160.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	Off



Green	5.2	1.0		80.2	8.9	4.4	32.3					
Yellow	4.8	0.0		4.8	4.3	0.0	4.3					
Red	2.0	0.0		1.0	3.4	0.0	3.4					

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	4.0	1.1	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	13.0	87.0	12.0	86.0	21.0	44.4	16.6	40.0
Change Period, ($Y+R_c$), s	6.9	6.9	6.8	6.9	7.1	7.7	7.7	7.7
Max Allow Headway (*MAH*), s	2.9	0.0	2.9	0.0	3.0	10.0	3.0	10.0
Queue Clearance Time (g_s), s	8.1		7.2		15.9	36.7	8.9	34.3
Green Extension Time (g_e), s	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Phase Call Probability	1.00		1.00		1.00	1.00	0.99	1.00
Max Out Probability	1.00		1.00		1.00	1.00	0.01	1.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	212	517	474	210	928	922	196	362		100	357	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1795	1856	1703	1739	1856	1801	1731	1648		1813	1732	
Queue Service Time (g_s), s	6.1	23.6	27.4	5.2	79.1	79.1	13.9	34.7		6.9	32.3	
Cycle Queue Clearance Time (g_c), s	6.1	23.6	27.4	5.2	79.1	79.1	13.9	34.7		6.9	32.3	
Green Ratio (*g/C*)	0.53	0.50	0.50	0.53	0.49	0.49	0.29	0.23		0.26	0.20	
Capacity (*c*), veh/h	113	929	853	277	917	890	195	378		146	350	
Volume-to-Capacity Ratio (*X*)	1.868	0.556	0.556	0.757	1.011	1.036	1.002	0.957		0.686	1.020	
Back of Queue (*Q*), ft/ln (95 th percentile)	712.1	352.1	426	253.5	1377.1	1554.2	452.6	686.5		197.4	728.5	
Back of Queue (*Q*), veh/ln (95 th percentile)	28.3	13.8	16.0	9.7	53.8	55.5	17.5	25.4		7.6	27.0	
Queue Storage Ratio (*RQ*) (95 th percentile)	2.37	0.00	0.00	0.84	0.00	0.00	1.51	0.00		0.66	0.00	
Uniform Delay (d_1), s/veh	46.1	17.2	22.3	37.3	40.5	40.5	49.8	60.9		49.9	63.9	
Incremental Delay (d_2), s/veh	422.3	2.4	2.6	10.2	32.5	39.9	64.8	36.7		2.1	53.3	
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Control Delay (*d*), s/veh	468.4	19.6	24.9	47.6	73.0	80.4	114.6	97.6		52.1	117.1	
Level of Service (LOS)	F	B	C	D	F	F	F	F		D	F	
Approach Delay, s/veh / LOS	100.7	F		73.7	E		103.5	F		102.9	F	
Intersection Delay, s/veh / LOS	88.3						F					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS								

APPENDIX C: Highway Capacity Analyses

HCS Two-Way Stop-Control Report

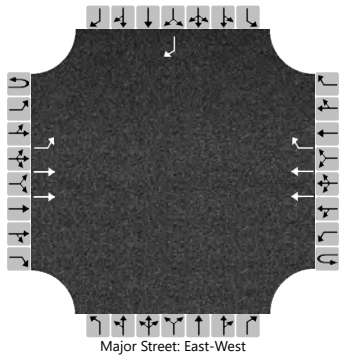
General Information

Analyst	L. Hagen
Agency/Co.	Hagen Consulting Services
Date Performed	5/25/2024
Analysis Year	2025
Time Analyzed	AM Peak
Intersection Orientation	East-West
Project Description	Tara Forest West

Site Information

Intersection	Tara Forest East Connection
Jurisdiction	City of Alachua
East/West Street	US Highway 441
North/South Street	Tara Forest East
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	2	0	0	0	2	1		0	0	0		0	0	1
Configuration		L	T				T	R								R
Volume (veh/h)	0	9	1336				937	6								47
Percent Heavy Vehicles (%)	3	3														3
Proportion Time Blocked																
Percent Grade (%)													0			
Right Turn Channelized					No								No			
Median Type | Storage	Left Only								1							

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1														6.9
Critical Headway (sec)		4.16														6.96
Base Follow-Up Headway (sec)		2.2														3.3
Follow-Up Headway (sec)		2.23														3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		10														50
Capacity, c (veh/h)		680														515
v/c Ratio		0.01														0.10
95% Queue Length, Q_{95} (veh)		0.0														0.3
95% Queue Length, Q_{95} (ft)		0.0														7.7
Control Delay (s/veh)		10.4														12.7
Level of Service (LOS)		B														B
Approach Delay (s/veh)	0.1												12.7			
Approach LOS	A												B			

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HCS Two-Way Stop-Control Report

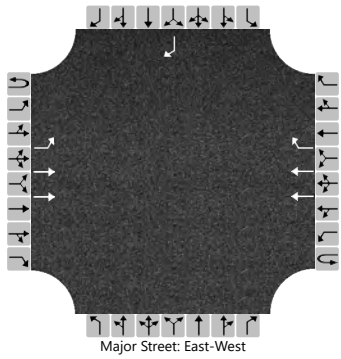
General Information

Analyst	L. Hagen
Agency/Co.	Hagen Consulting Services
Date Performed	5/25/2024
Analysis Year	2027
Time Analyzed	AM Peak
Intersection Orientation	East-West
Project Description	Tara Forest West

Site Information

Intersection	Tara Forest East Connection
Jurisdiction	City of Alachua
East/West Street	US Highway 441
North/South Street	Tara Forest East
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	2	0	0	0	2	1		0	0	0		0	0	1
Configuration		L	T				T	R								R
Volume (veh/h)	0	18	1390				975	12								90
Percent Heavy Vehicles (%)	3	3														3
Proportion Time Blocked																
Percent Grade (%)													0			
Right Turn Channelized					No								No			
Median Type | Storage	Left Only								1							

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1														6.9
Critical Headway (sec)		4.16														6.96
Base Follow-Up Headway (sec)		2.2														3.3
Follow-Up Headway (sec)		2.23														3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		19														96
Capacity, c (veh/h)		653														499
v/c Ratio		0.03														0.19
95% Queue Length, Q_{95} (veh)		0.1														0.7
95% Queue Length, Q_{95} (ft)		2.6														17.9
Control Delay (s/veh)		10.7														13.9
Level of Service (LOS)		B														B
Approach Delay (s/veh)	0.1												13.9			
Approach LOS	A												B			

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HCS Two-Way Stop-Control Report

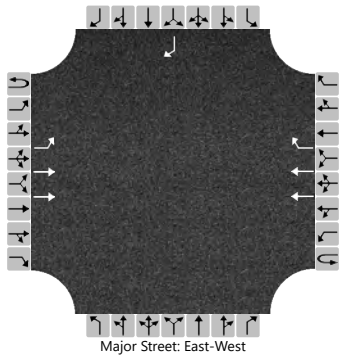
General Information

Analyst	L. Hagen
Agency/Co.	Hagen Consulting Services
Date Performed	5/25/2024
Analysis Year	2029
Time Analyzed	AM Peak
Intersection Orientation	East-West
Project Description	Tara Forest West

Site Information

Intersection	Tara Forest East Connection
Jurisdiction	City of Alachua
East/West Street	US Highway 441
North/South Street	Tara Forest East
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	2	0	0	0	2	1		0	0	0		0	0	1
Configuration		L	T				T	R								R
Volume (veh/h)	0	27	1446				1015	19								137
Percent Heavy Vehicles (%)	3	3														3
Proportion Time Blocked																
Percent Grade (%)													0			
Right Turn Channelized					No								No			
Median Type | Storage	Left Only								1							

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1														6.9
Critical Headway (sec)		4.16														6.96
Base Follow-Up Headway (sec)		2.2														3.3
Follow-Up Headway (sec)		2.23														3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		29														146
Capacity, c (veh/h)		625														484
v/c Ratio		0.05														0.30
95% Queue Length, Q_{95} (veh)		0.1														1.3
95% Queue Length, Q_{95} (ft)		2.6														33.3
Control Delay (s/veh)		11.0														15.6
Level of Service (LOS)		B														C
Approach Delay (s/veh)	0.2												15.6			
Approach LOS	A												C			

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HCS Two-Way Stop-Control Report

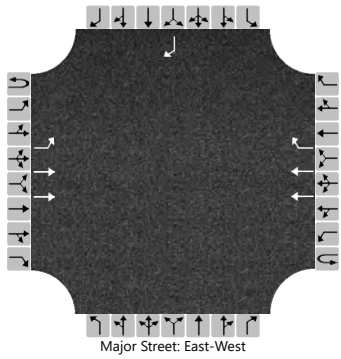
General Information

Analyst	L. Hagen
Agency/Co.	Hagen Consulting Services
Date Performed	5/25/2024
Analysis Year	2025
Time Analyzed	PM Peak
Intersection Orientation	East-West
Project Description	Tara Forest West

Site Information

Intersection	Tara Forest East Connection
Jurisdiction	City of Alachua
East/West Street	US Highway 441
North/South Street	Tara Forest East
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	2	0	0	0	2	1		0	0	0		0	0	1
Configuration		L	T				T	R								R
Volume (veh/h)	0	19	1052				1799	33								31
Percent Heavy Vehicles (%)	3	3														3
Proportion Time Blocked																
Percent Grade (%)													0			
Right Turn Channelized					No								No			
Median Type | Storage	Left Only								1							

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1														6.9
Critical Headway (sec)		4.16														6.96
Base Follow-Up Headway (sec)		2.2														3.3
Follow-Up Headway (sec)		2.23														3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		21														34
Capacity, c (veh/h)		281														248
v/c Ratio		0.07														0.14
95% Queue Length, Q_{95} (veh)		0.2														0.5
95% Queue Length, Q_{95} (ft)		5.1														12.8
Control Delay (s/veh)		18.8														21.8
Level of Service (LOS)		C														C
Approach Delay (s/veh)	0.3												21.8			
Approach LOS	A												C			

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HCS Two-Way Stop-Control Report

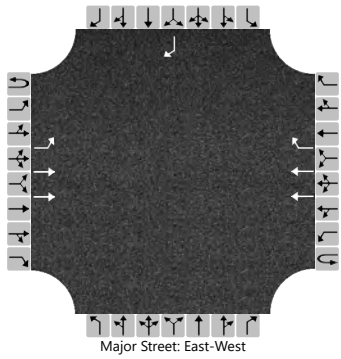
General Information

Analyst	L. Hagen
Agency/Co.	Hagen Consulting Services
Date Performed	5/25/2024
Analysis Year	2027
Time Analyzed	PM Peak
Intersection Orientation	East-West
Project Description	Tara Forest West

Site Information

Intersection	Tara Forest East Connection
Jurisdiction	City of Alachua
East/West Street	US Highway 441
North/South Street	Tara Forest East
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	2	0	0	0	2	1		0	0	0		0	0	1
Configuration		L	T				T	R								R
Volume (veh/h)	0	38	1095				1872	65								60
Percent Heavy Vehicles (%)	3	3														3
Proportion Time Blocked																
Percent Grade (%)													0			
Right Turn Channelized							No						No			
Median Type | Storage			Left Only								1					

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1														6.9
Critical Headway (sec)		4.16														6.96
Base Follow-Up Headway (sec)		2.2														3.3
Follow-Up Headway (sec)		2.23														3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		41														65
Capacity, c (veh/h)		254														233
v/c Ratio		0.16														0.28
95% Queue Length, Q_{95} (veh)		0.6														1.1
95% Queue Length, Q_{95} (ft)		15.4														28.2
Control Delay (s/veh)		21.9														26.3
Level of Service (LOS)		C														D
Approach Delay (s/veh)	0.7												26.3			
Approach LOS	A												D			

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HCS Two-Way Stop-Control Report

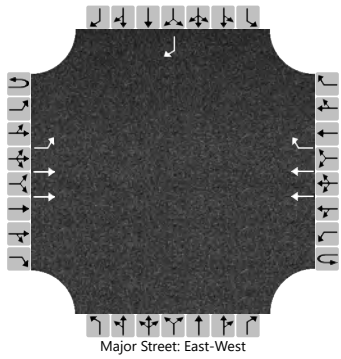
General Information

Analyst	L. Hagen
Agency/Co.	Hagen Consulting Services
Date Performed	5/25/2024
Analysis Year	2029
Time Analyzed	PM Peak
Intersection Orientation	East-West
Project Description	Tara Forest West

Site Information

Intersection	Tara Forest East Connection
Jurisdiction	City of Alachua
East/West Street	US Highway 441
North/South Street	Tara Forest East
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	2	0	0	0	2	1		0	0	0		0	0	1
Configuration		L	T				T	R								R
Volume (veh/h)	0	59	1139				1947	100								93
Percent Heavy Vehicles (%)	3	3														3
Proportion Time Blocked																
Percent Grade (%)														0		
Right Turn Channelized						No								No		
Median Type | Storage			Left Only								1					

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1														6.9
Critical Headway (sec)		4.16														6.96
Base Follow-Up Headway (sec)		2.2														3.3
Follow-Up Headway (sec)		2.23														3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		64														101
Capacity, c (veh/h)		227														219
v/c Ratio		0.28														0.46
95% Queue Length, Q_{95} (veh)		1.1														2.2
95% Queue Length, Q_{95} (ft)		28.2														56.3
Control Delay (s/veh)		26.9														34.8
Level of Service (LOS)		D														D
Approach Delay (s/veh)		1.3												34.8		
Approach LOS		A												D		

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HCS Two-Way Stop-Control Report

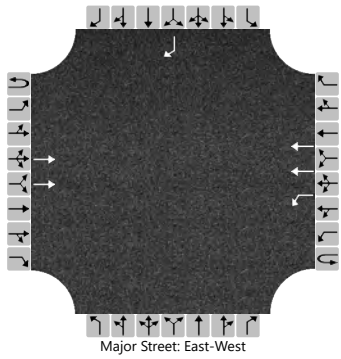
General Information

Analyst	L. Hagen
Agency/Co.	Hagen Consulting Services
Date Performed	5/25/2024
Analysis Year	2025
Time Analyzed	AM Peak
Intersection Orientation	East-West
Project Description	Tara Forest West

Site Information

Intersection	Tara Forest East Connection
Jurisdiction	City of Alachua
East/West Street	US Highway 441
North/South Street	Future Peggy Road
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		0	0	0		0	0	1
Configuration			T			L	T									R
Volume (veh/h)			1345		27	0	957									0
Percent Heavy Vehicles (%)					3	3										3
Proportion Time Blocked																
Percent Grade (%)													0			
Right Turn Channelized													No			
Median Type | Storage	Left Only								1							

Critical and Follow-up Headways

Base Critical Headway (sec)					6.4	4.1										6.9
Critical Headway (sec)					6.46	4.16										6.96
Base Follow-Up Headway (sec)					2.5	2.2										3.3
Follow-Up Headway (sec)					2.53	2.23										3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						29										0
Capacity, c (veh/h)						173										507
v/c Ratio						0.17										0.00
95% Queue Length, Q_{95} (veh)						0.6										0.0
95% Queue Length, Q_{95} (ft)						15.4										0.0
Control Delay (s/veh)						29.9										12.1
Level of Service (LOS)						D										B
Approach Delay (s/veh)					0.8											
Approach LOS					A											

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HCS Two-Way Stop-Control Report

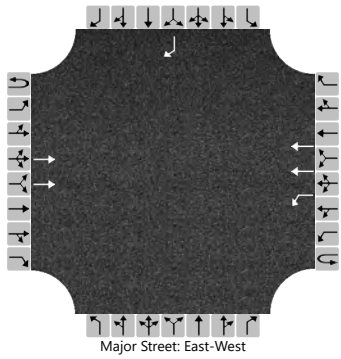
General Information

Analyst	L. Hagen
Agency/Co.	Hagen Consulting Services
Date Performed	5/25/2024
Analysis Year	2027
Time Analyzed	AM Peak
Intersection Orientation	East-West
Project Description	Tara Forest West

Site Information

Intersection	Tara Forest East Connection
Jurisdiction	City of Alachua
East/West Street	US Highway 441
North/South Street	Future Peggy Road
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		0	0	0		0	0	1
Configuration			T			L	T									R
Volume (veh/h)			1408		53	0	1012									0
Percent Heavy Vehicles (%)					3	3										3
Proportion Time Blocked																
Percent Grade (%)													0			
Right Turn Channelized													No			
Median Type | Storage	Left Only								1							

Critical and Follow-up Headways

Base Critical Headway (sec)					6.4	4.1										6.9
Critical Headway (sec)					6.46	4.16										6.96
Base Follow-Up Headway (sec)					2.5	2.2										3.3
Follow-Up Headway (sec)					2.53	2.23										3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						56										0
Capacity, c (veh/h)						157										485
v/c Ratio						0.36										0.00
95% Queue Length, Q_{95} (veh)						1.5										0.0
95% Queue Length, Q_{95} (ft)						38.4										0.0
Control Delay (s/veh)						40.4										12.4
Level of Service (LOS)						E										B
Approach Delay (s/veh)					2.0											
Approach LOS					A											

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HCS Two-Way Stop-Control Report

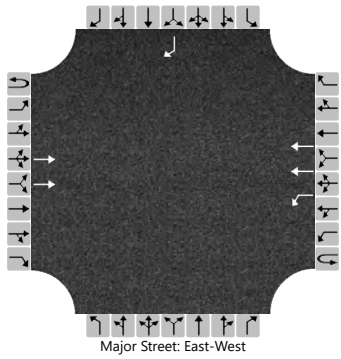
General Information

Analyst	L. Hagen
Agency/Co.	Hagen Consulting Services
Date Performed	5/25/2024
Analysis Year	2029
Time Analyzed	AM Peak
Intersection Orientation	East-West
Project Description	Tara Forest West

Site Information

Intersection	Tara Forest East Connection
Jurisdiction	City of Alachua
East/West Street	US Highway 441
North/South Street	Future Peggy Road
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		0	0	0		0	0	1
Configuration			T			L	T									R
Volume (veh/h)			1473		81	0	1071									0
Percent Heavy Vehicles (%)					3	3										3
Proportion Time Blocked																
Percent Grade (%)													0			
Right Turn Channelized													No			
Median Type | Storage	Left Only								1							

Critical and Follow-up Headways

Base Critical Headway (sec)					6.4	4.1										6.9
Critical Headway (sec)					6.46	4.16										6.96
Base Follow-Up Headway (sec)					2.5	2.2										3.3
Follow-Up Headway (sec)					2.53	2.23										3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						86										0
Capacity, c (veh/h)						141										462
v/c Ratio						0.61										0.00
95% Queue Length, Q_{95} (veh)						3.2										0.0
95% Queue Length, Q_{95} (ft)						81.9										0.0
Control Delay (s/veh)						64.1										12.8
Level of Service (LOS)						F										B
Approach Delay (s/veh)					4.5											
Approach LOS					A											

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HCS Two-Way Stop-Control Report

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Analyst	L. Hagen
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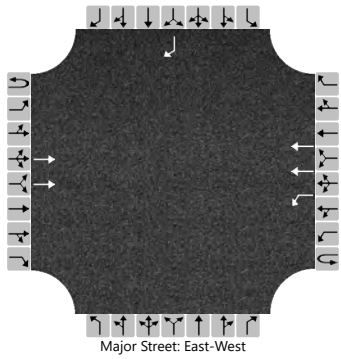
Date Performed	5/25/2024
Analysis Year	2025
Time Analyzed	PM Peak
Intersection Orientation	East-West
Project Description	Tara Forest West

Site Information

Intersection	Tara Forest East Connection
Jurisdiction	City of Alachua
East/West Street	US Highway 441
North/South Street	Future Peggy Road
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		0	0	0		0	0	1
Configuration			T			L	T									R
Volume (veh/h)			1071		11	0	1818									0
Percent Heavy Vehicles (%)					3	3										3
Proportion Time Blocked																
Percent Grade (%)													0			
Right Turn Channelized													No			
Median Type | Storage	Left Only								1							

Critical and Follow-up Headways

Base Critical Headway (sec)					6.4	4.1										6.9
Critical Headway (sec)					6.46	4.16										6.96
Base Follow-Up Headway (sec)					2.5	2.2										3.3
Follow-Up Headway (sec)					2.53	2.23										3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						12										0
Capacity, c (veh/h)						268										252
v/c Ratio						0.04										0.00
95% Queue Length, Q_{95} (veh)						0.1										0.0
95% Queue Length, Q_{95} (ft)						2.6										0.0
Control Delay (s/veh)						19.1										19.3
Level of Service (LOS)						C										C
Approach Delay (s/veh)					0.1											
Approach LOS					A											

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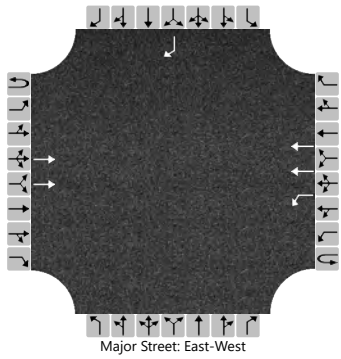
Project Description	Tara Forest West

Site Information

Intersection	Tara Forest East Connection
Jurisdiction	City of Alachua
East/West Street	US Highway 441
North/South Street	Future Peggy Road
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		0	0	0		0	0	1
Configuration			T			L	T									R
Volume (veh/h)			1133		22	0	1910									0
Percent Heavy Vehicles (%)					3	3										3
Proportion Time Blocked																
Percent Grade (%)													0			
Right Turn Channelized													No			
Median Type | Storage	Left Only								1							

Critical and Follow-up Headways

Base Critical Headway (sec)					6.4	4.1										6.9
Critical Headway (sec)					6.46	4.16										6.96
Base Follow-Up Headway (sec)					2.5	2.2										3.3
Follow-Up Headway (sec)					2.53	2.23										3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						23										0
Capacity, c (veh/h)						243										234
v/c Ratio						0.10										0.00
95% Queue Length, Q_{95} (veh)						0.3										0.0
95% Queue Length, Q_{95} (ft)						7.7										0.0
Control Delay (s/veh)						21.4										20.4
Level of Service (LOS)						C										C
Approach Delay (s/veh)					0.2											
Approach LOS					A											

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HCS Two-Way Stop-Control Report

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Time Analyzed	PM Peak
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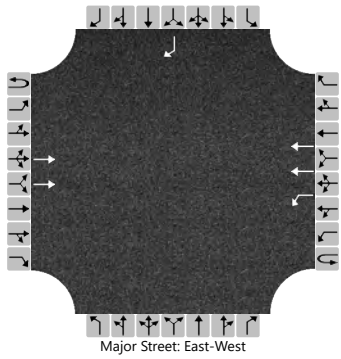
Project Description	Tara Forest West

Site Information

Intersection	Tara Forest East Connection
Jurisdiction	City of Alachua
East/West Street	US Highway 441
North/South Street	Future Peggy Road
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		0	0	0		0	0	1
Configuration			T			L	T									R
Volume (veh/h)			1197		34	0	2006									0
Percent Heavy Vehicles (%)					3	3										3
Proportion Time Blocked																
Percent Grade (%)													0			
Right Turn Channelized													No			
Median Type | Storage	Left Only								1							

Critical and Follow-up Headways

Base Critical Headway (sec)					6.4	4.1										6.9
Critical Headway (sec)					6.46	4.16										6.96
Base Follow-Up Headway (sec)					2.5	2.2										3.3
Follow-Up Headway (sec)					2.53	2.23										3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						36										0
Capacity, c (veh/h)						219										216
v/c Ratio						0.17										0.00
95% Queue Length, Q_{95} (veh)						0.6										0.0
95% Queue Length, Q_{95} (ft)						15.4										0.0
Control Delay (s/veh)						24.6										21.7
Level of Service (LOS)						C										C
Approach Delay (s/veh)					0.4											
Approach LOS					A											

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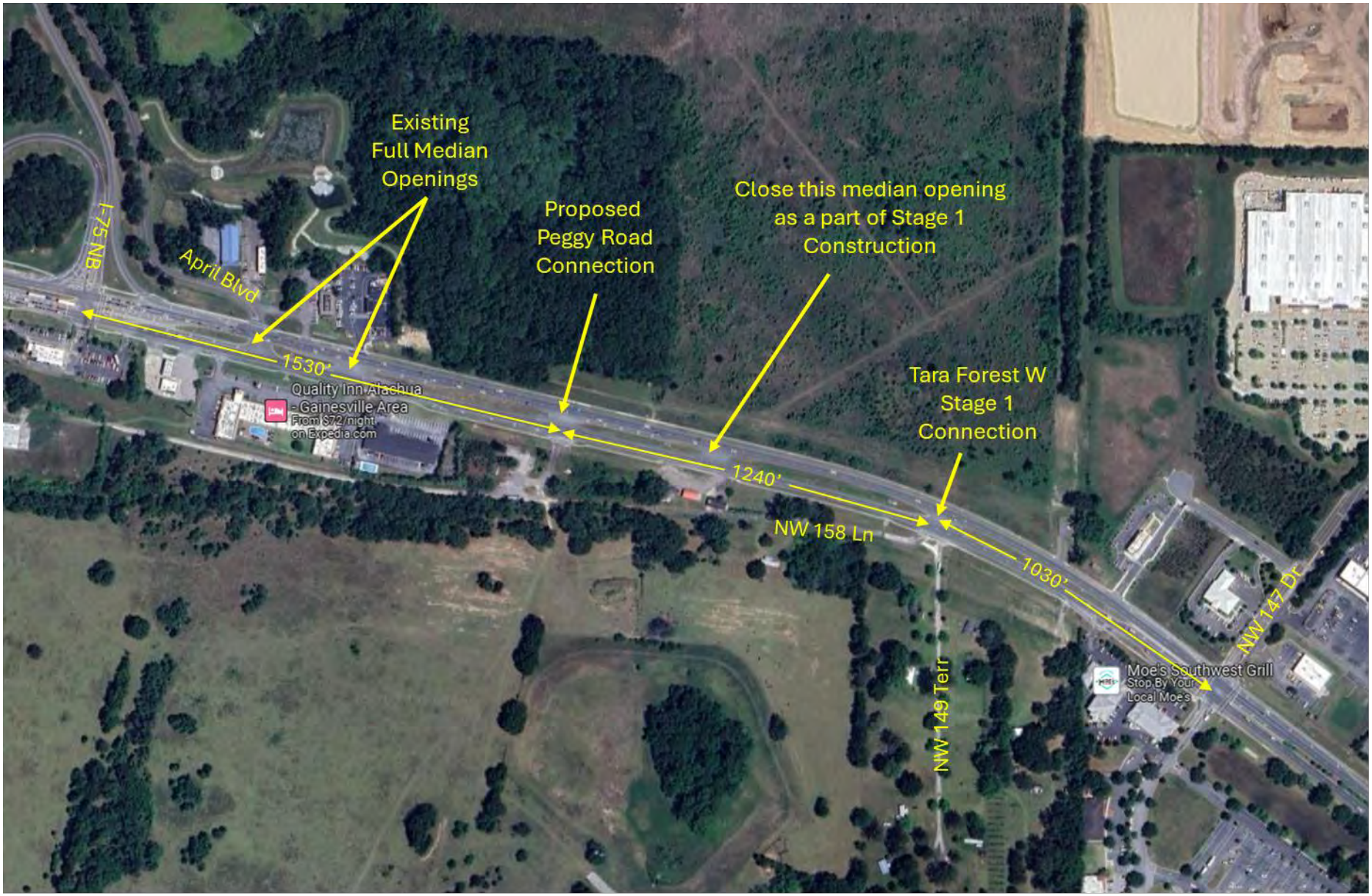
APPENDIX D: Access Management



HAGEN CONSULTING SERVICES, LLC

Tara Forest West – Stage 1 Access Management

GSE Engineering & Consulting, Inc.

October 18, 2022

Sayed Moukhtara
Tara Forest, LLC
7717 NW 20th Lane
Gainesville, Florida 32605

Summary Report of a Geological Review and Active Ground Loss Evaluation
Tara Forest West, Tara Phoenicia, Tara April
Alachua, Alachua County, Florida
GSE Project No. 14759B

GSE Engineering & Consulting, Inc. (GSE) has performed a geological review to provide an opinion on the locations of active ground loss at the Tara Forest West, Tara Phoenicia and Tara April projects in Alachua, Florida. This review and report have been prepared at your request.

Background Information

We understand that you propose to develop these properties into residential and commercial developments. The sites are generally located at the northeast quadrant of the U.S. Highway 441 and I-75 intersection in Alachua, Florida and contains approximately 555 +/- acres. Figure 1 indicates the project location.

GSE has performed geotechnical explorations at these sites to assist with stormwater management facility and infrastructure design. Please refer to reports under GSE Project Numbers 14759, 14759A, 14891 and 15138 previously submitted.

We understand the City of Alachua retained Wood Environment & Infrastructure Solutions, Inc. (Wood) to assist with the development review process. As part of this review, Wood had concerns that active ground loss may be occurring below ground elevations of 75 feet. Wood recommended that the portion of the site lower than elevation 75 feet be analyzed further with engineering and geologic studies to identify if there is actual active ground loss occurring.

This geologic review has been performed to evaluate whether active ground loss is occurring at the site.

Regional Geology

In order to understand the mechanisms of ground loss, the regional geology of the site must be reviewed and considered. Ground loss in Alachua County typically occurs from soil erosion and sinkhole development. Ground loss from soil consolidation typically does not occur, as the majority of the soils in Alachua County are over consolidated from prior land form changes (sea level rise/recession and soil deposition) that occurred in the geologic past (millions of years ago).

Alachua County straddles two physiographic provinces: Northern Highlands and Coastal Lowlands[1]. A broad karst escarpment known as the Cody Scarp separates these two provinces.

The Northern Highlands, which lie north and east of the Cody Scarp, are underlain by a thick sequence of relatively impermeable Miocene to Pleistocene sediments. Because of this thick sequence of sediments, the Northern Highlands Province contains few karst features. This upland plateau is nearly level, sloping gently to the west, north and east. Elevation ranges from about 150 to 200 feet above sea level. The plateau, which originally extended completely across the county, has many swamps. Sinkholes are not common within the plateau, but a few are found near its margin.

Thin Plio-Pleistocene sediments overlying thin and discontinuous, residual Miocene strata and Eocene limestone characterize the Lowlands. Karst features are numerous in the Lowlands. The western plains region has low relief. Elevation ranges from about 50 to 80 feet above sea level. The plain is devoid of stream channels, but it is dotted with sinks and limestone mines. While the Ocala Limestone is essentially near the surface in this region, many of the old sinks have become filled (some to a depth of 250 feet) with sand, clayey sand, and sandy clay. These soil materials come from marine submergence, soil creep and slumping, and stream transport from the Northern Highlands. This sinkhole fill tends to mask many of the karst irregularities of the Ocala surface.

The Cody Scarp, which separates the Northern Highlands from the Coastal Lowlands, contains large sinkholes, sinking streams, and other karst features. The bottoms of the karst features often penetrate to the Ocala Limestone and the depressions are usually filled with organic soils, fluvial and lacustrine sediments, and clay-rich soils. The hills within the scarp contain Miocene sediments similar to the Northern Highlands Province. Many of the large, flat-bottomed lakes and wet prairies are associated with the scarp and represent coalescent sinkholes known as poljes and uvalas. Many of these level prairies and lakes, most of which are near or below 60 feet NGVD, are associated with ground water levels.

Three major geologic formations occur at or near the surface within the county. These formations have influenced soil development. They are, in order of decreasing age, the Ocala Limestone of Eocene age, the Miocene to Pliocene Hawthorn Group, and the Plio-Pleistocene Terrace Deposits.

The Ocala Limestone underlies the entire county; exposures are common in the Coastal Lowlands in the southern and western parts of the county. Here a limestone plain is formed which is covered by a veneer of loose sand in most places. Thin and discontinuous beds of clay-rich soils may also occur in this region of the county. The Ocala Limestone consists of soft, white to cream colored, chalky, limestone that is approximately 98 percent calcium carbonate. Boulders and irregular masses of chert are common near the top. In many areas the Ocala is cavernous and fractured.

The Miocene Hawthorn Group includes at least three formations in Alachua County. These are, from bottom to top, the Penny Farms Formation, Marks Head Formation, and Coosawhatchie Formation[2]. All three formations consist of varying proportions of interbedded clay, sand, limestone, and dolostone, all of which are phosphatic.

---

1 White, W.A., 1970. The Geomorphology of the Florida Peninsula. Florida Geological Survey, Bulletin 51.

2 Scott, T.M., 1988. The Lithostratigraphy of the Hawthorn Group (Miocene) of Florida. Florida Geological Survey, Bulletin No. 59.

The Hawthorn Group crops out in isolated areas around the town of Micanopy and in an irregular pattern along the Cody Scarp from Lochloosa Lake northwestward through Gainesville and into the north-Northern and northwestern part of the county. Much of the outcrop area is hill and valley terrain created by the formation of karst features at the foot of the escarpment. A thin veneer of loose sands of the older Plio-Pleistocene Terrace deposits covers the Hawthorn Group of sediments in the Cody Scarp and Northern Highlands. The Hawthorn Group lies unconformably on the solution-pitted Ocala Limestone surface.

The most recent formation is a surface mantle of fine to medium sand, silt, and clay that formed as Pliocene and Pleistocene sea levels fluctuated and periodically inundated portions of the county. Primarily, the terrace deposits overlie the Hawthorn Group. They are exposed in the Northern and eastern parts of the county.

The site is located in the rolling hills topography of Alachua County that lies within the Cody Scarp geology. Site elevations range from about 45 feet to more than 150 feet. The site is located just northeast of the Mill Creek Sink Cave. The Mill Creek Sink Cave is a well-documented sinkhole that is connected to an underground cavern system that is commonly used for cave diving. The Wood report identifies the approximate location of the cave system, which runs to the south across U.S. Highway 441 and to the east along the northern edge of U.S. Highway 441. Cave divers have documented that the cave system to the north has collapsed and is infilled with soil. The cave system is generally on the order of 100 to 200+ feet below land surface.

General Site Observations and Historic Site Use

Mr. Kenneth L. Hill, P.E. and Mr. Jason E. Gowland, P.E. with GSE have visited the site on numerous occasions to observe the site conditions. In addition, we have reviewed historical aerials of the site to observe the changes in the surface conditions of the site.

The site is currently mostly open land that is grown up in tall weeds. There are tree lines and wooded areas scattered throughout the site. Mill Creek is wooded along its banks. The majority of the site below elevation 75 feet is a valley along Mill Creek, with moderate to steep topography sloping up to the east and west from the creek.

From approximately 2004 to 2020, the site was planted in pine trees. The pine trees were harvested around 2020. Prior to 2004, the site was mostly open pasture with scattered tree lines and wooded areas dating back to 1964.

The 1964 aerial, attached as Figure 4, indicates that some of the site had been disturbed. The northern portion of the site and an area along the north side of U.S. Highway 441 appear disturbed, and possibly used as borrow areas or construction staging. This aerial is from the time period when the I-75 construction was nearing completion (there are no autos on I-75 but autos are present on U.S Highway 441). Ponds and wetland areas are easily identifiable on the aerial, along with the meandering Mill Creek. Mill Creek appears to be dry in this aerial, as this creek primarily transports stormwater runoff. A wet weather pond in the central portion of the site east of Mill Creek appears to be man made and from the land disturbance.

The 1971 aerial, attached as Figure 5, indicates the site is mostly pasture with scattered tree lines and woods. The majority of Mill Creek is located in open pasture and appears wet. Wetlands and ponds are identifiable. The disturbed areas are somewhat overgrown with pasture, but appear to have poor coverage.

The 1982 aerial, attached as Figure 6, shows that the site has remained pasture with no significant change since 1971. The poor established pasture in the northern disturbed area is more established. The site appears dry, with no water in Mill Creek and the ponds and wet weather pond areas showing less standing water. The most obvious change is the presence of a "black dot" in the northern portion of the site. The dot is believed to be a small chimney sinkhole, as this dot is at the location of a cluster of chimney sinkholes that are present on the site. These sinkholes were previously evaluated by GSE in our Project No. 14759A.

The 1994 aerial, attached as Figure 7, shows that the site is essentially in the same condition as prior years. Mill Creek appears wet. There is no vegetation along the majority of the creek. The location of the "black dot" now has two or three dots, indicating additional chimney sinkholes have developed. A 1999 aerial, not shown, indicates a fence has been constructed around the area of the "black dots" in a square shape. Remnants of this fence remain on the site today and surround the cluster of chimney sinkholes. This confirms the black dots on the aerial are chimney sinkholes which developed from about 1982 to 1999. The 2004 aerial shows the site is planted in pine trees, and remained in this condition until their harvest around 2020.

Evaluation and Discussion of Active Ground Loss

Wood has concerns with the potential of active ground loss in the lower elevations of the site. Based upon our observation of the site and review of historical data, we agree that active ground loss is occurring at the north end of the site at the location of the cluster of chimney sinkholes (see GSE Project No. 14759A). It is our opinion that active ground loss, other than normal surface erosion, is not occurring over the remainder of the site.

Wood specifically is concerned with two features they believe are swallets. The Wood report describes the locations of these features as *immediately adjacent to the western boundary of the property (in the lower 1/3 of the property boundary) and the other on the western side of Mill Creek immediately south of the first one.* The Wood Figure 5 shows the location of one swallet. The locations of both swallets described by Wood are not within the property boundaries (they are off site) and it is our opinion they have no impact on the Tara properties.

During a telephone conference with Wood, they believed that slow ground subsidence has occurred in the lower elevations along Mill Creek over the years. This opinion was based upon comparison of USGS Topographic Maps (digitizing the elevations and overlaying them). It is our opinion this conclusion cannot be made based upon the quality of the data. USGS Map Accuracy Standards[3] states the accuracy of 1:24,0000 USGS Topographic Maps is 5 feet vertically and 40 feet horizontally. This means that any point on the map may have an elevation that is 5 feet higher or lower than what is shown. Further, any point may be 40 feet in any direction away from where it is shown.

As a comparison of the accuracy of the USGS Topographic Maps, we overlayed the USGS topographic maps from 1963 and 1999 (Figures 2 and 3) onto the site topographic surveys. The topographic surveys were provided by eda and JBPro. These overlays show that the horizontal and vertical accuracy is reasonably within this range for the portion of the site above elevation 75 feet. Below elevation 75 feet, the horizontal accuracy is far less than 40 feet (the 50 feet contour lines are approximately 175 apart) and the vertical accuracy is generally beyond 5 feet. This is shown on Figures 2 and 3.

3 USGS Fact Sheet 171-99, November 1999

An opinion that a few feet of ground subsidence has occurred cannot be supported by data with this accuracy. Further, there are other sites nearby and that border this site that have improvements that are below elevation 75 feet, including portions of U.S Highway 441. If slow ground subsidence was actively occurring below elevation 75 feet, there would be reported damage to existing facilities. We are not aware of slow ground subsidence damage to nearby properties. We are aware of sudden ground subsidence caused by collapse type sinkholes.

GSE agrees that ground subsidence related to soil erosion is and can continue to occur at this site. This is entirely related to the quality of ground cover and rainfall intensity. Soil erosion is occurring along Mill Creek and in natural and man-made drainage swales where ground cover is poor. It is our opinion that slow ground subsidence related to karst geology is not occurring.

Sinkholes in Alachua County are typically sudden collapse type features. The typical geology of the Cody Scarp is a thin sand layer covering clay-rich soils. A pinnacled limestone formation is below the clay-rich soil at varying depths. A surficial groundwater table is typically not present or is a transient perched condition on the clays. Sinkholes develop from the sudden erosion or collapse of soil into cracks, crevices and voids in the upper portion of the limestone formation and the development of sinkholes is commonly related to high intensity rain events. These sinkholes typically vary from a few feet in diameter to 10 to 20 feet in diameter. The cluster of sinkholes at the north end of the site are typical sinkholes for the Cody Scarp geology. GSE is not aware of a slow ground subsidence type sinkhole occurring in the Cody Scarp geology of Alachua County.

Slow ground subsidence related to karst geology is common in the Central Florida region where the geology is different. The geology in Central Florida typically consists of 40+ feet of sandy soil that overlies confining clay-rich soils. Limestone is typically at depths of 100+ feet. A surficial groundwater table is typically present within 10 feet of land surface. Slow ground subsidence occurs from the raveling (erosion) of the sandy soils through breaches in the clay confining layer into voids in the limestone formation from the infiltration of the surficial water table into the Floridan Aquifer (groundwater recharge). This type of ground subsidence can take days or years to develop. This area of Alachua County does not have this type of geology (there is no persistent surficial groundwater table to slowly infiltrate and induce raveling), and therefore, does not have slow ground subsidence related to karst geology.

Summary

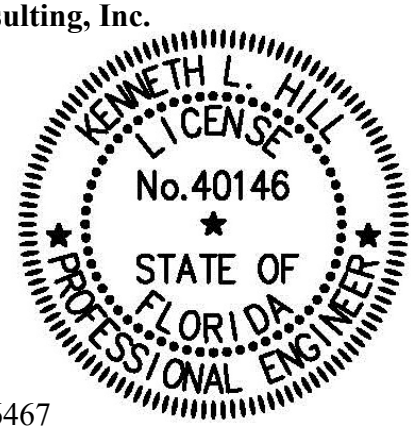
GSE has performed additional analysis and evaluations of the Tara project sites in Alachua, Florida to evaluate the potential for active ground loss. It is GSE's opinion that one isolated area at the northern portion of the site has active ground loss in the form of a cluster of chimney sinkholes that developed from approximately 1982 through 1999. These features were evaluated in GSE Project Number 14759A. It is GSE's opinion that active ground loss is not occurring in the portions of the site lower than elevation 75 feet over the remainder of the site. The two swallets identified by Wood are located off site and in our opinion have no impact on these sites. It is GSE's opinion that requiring further geological or geotechnical studies to evaluate active ground loss is an unnecessary requirement that is not warranted by the regional geology.

Closure

GSE appreciates this opportunity to provide these engineering services to you on this important matter. If you have any questions, or if we can provide any additional information, please contact us.

Sincerely,

GSE Engineering & Consulting, Inc.



This item has been digitally signed and sealed by

on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Jason E. Gowland, P.E.
Senior Engineer
Florida Registration No. 66467

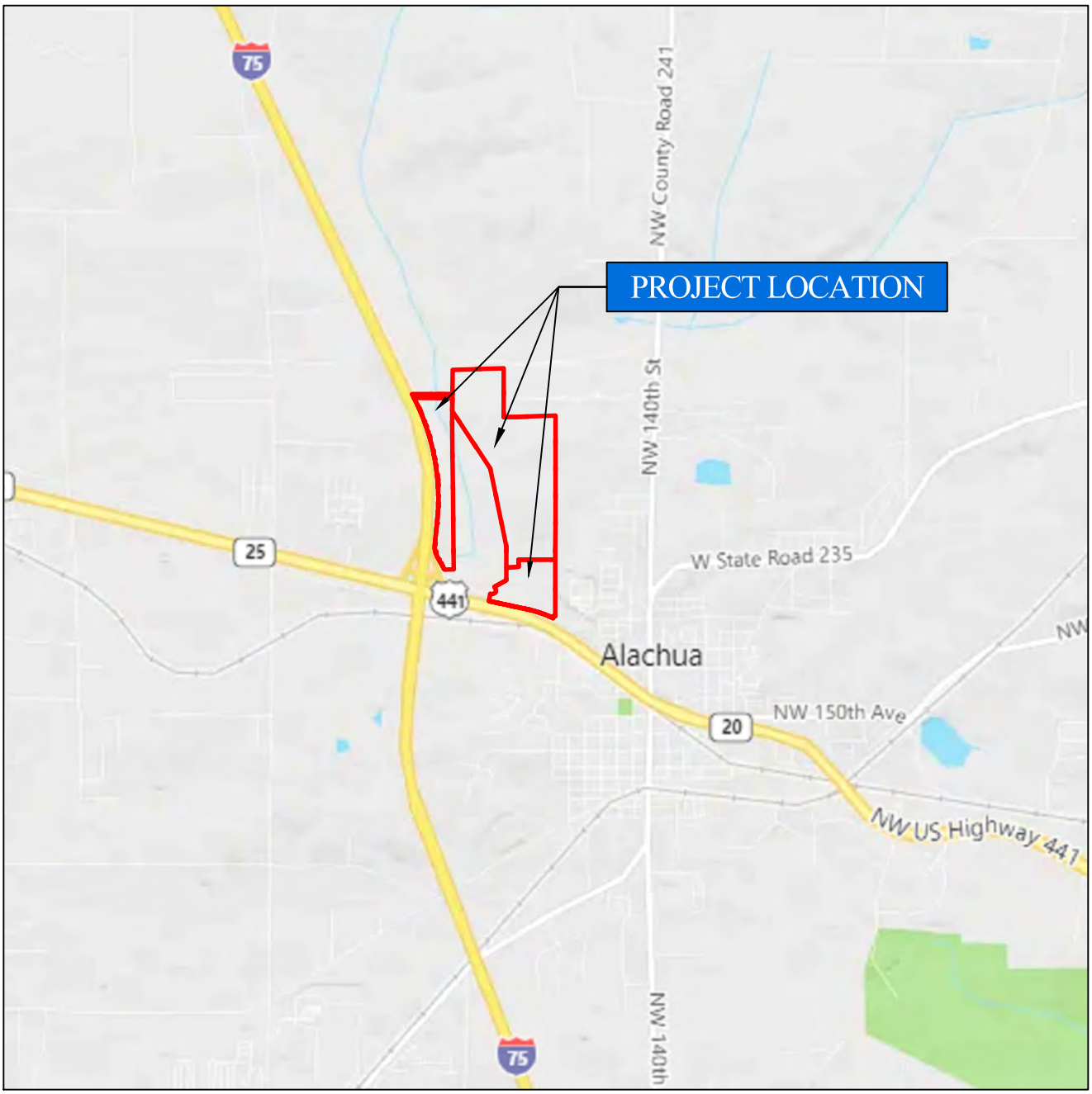
Kenneth L. Hill, P.E.
Principal Engineer
Florida Registration Number 40146

KLH/ JEG:ldj
Q:\Projects\14759B Tara Forest West - Ground Subsidence Evaluation\14759B.docx

Attachments: Figure 1 – Site Location Map
Figure 2 – 1963 USGS Topo Map Overlay on Current Topo
Figure 3 – 1999 USGS Topo Map Overlay on Current Topo
Figure 4 – 1964 Aerial
Figure 5 – 1971 Aerial
Figure 6 – 1982 Aerial
Figure 7 – 1994 Aerial

Distribution: Addressee (1)
File (1)

ATTACHMENTS



NORTH

NOT TO SCALE

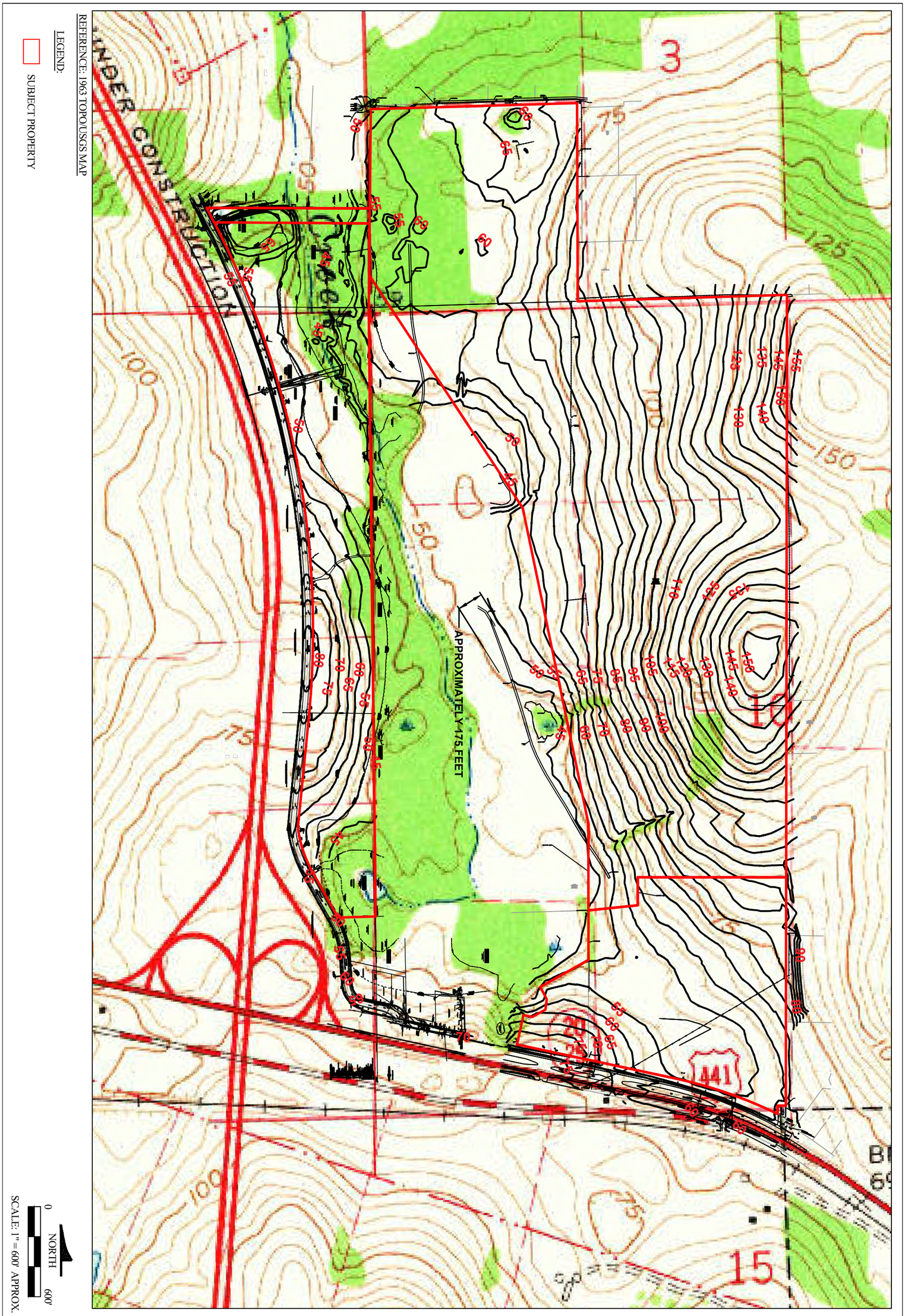
TARA FOREST WEST, TARA PHOENICIA & TARA APRIL
ALACHUA, ALACHUA COUNTY, FLORIDA
GSE PROJECT NO. 14759B

PROJECT SITE LOCATION MAP

DESIGNED BY: KLH
CHECKED BY : JEG
DRAWN BY : JMG

GSE Engineering & Consulting, Inc.

FIGURE 1



1963 USGS TOPO MAP OVERLAY ON CURRENT TOPO

TARA FOREST WEST, TARA PHOENICIA & TARA APRIL
ALACHUA, ALACHUA COUNTY, FLORIDA
GSE PROJECT NO. 14759B

DESIGNED BY: KLH
CHECKED BY : JEG
DRAWN BY : JMG

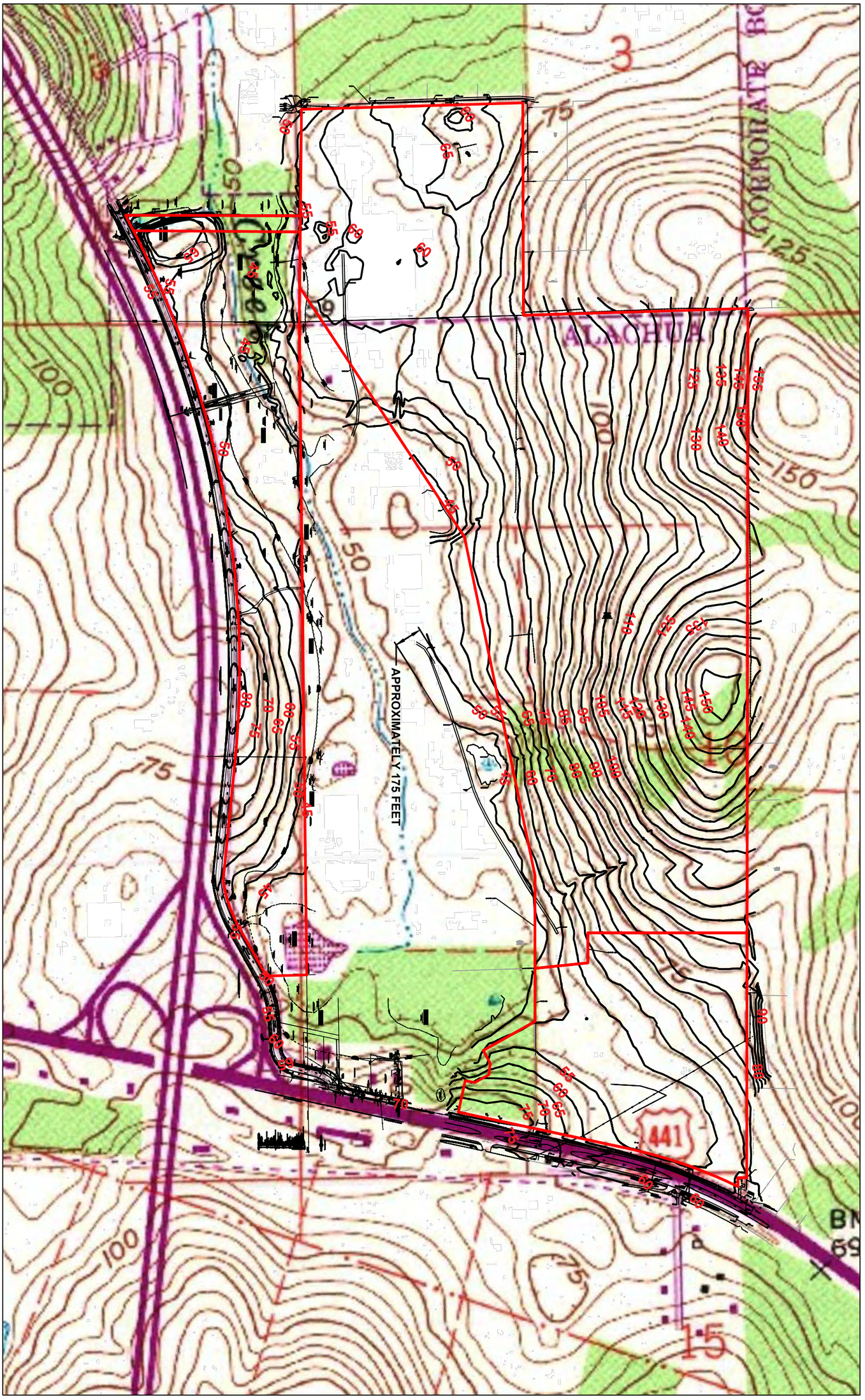
GSE Engineering & Consulting, Inc.

FIGURE
2

REFERENCE: 1998 TOPO/USGS MAP

LEGEND:

SUBJECT PROPERTY



SCALE: 1" = 600' APPROX.

0 NORTH 600'

TARA FOREST WEST, TARA PHOENICIA & TARA APRIL
ALACHUA, ALACHUA COUNTY, FLORIDA
GSE PROJECT NO. 14759B

1998 USGS TOPO MAP OVERLAY ON CURRENT TOPO

DESIGNED BY: KLH
CHECKED BY : JEG
DRAWN BY : JMG

GSE Engineering & Consulting, Inc.

FIGURE

3

LEGEND:

SUBJECT PROPERTY

REFERENCE: 64 CROPPED AERIAL



NORTH

NOT TO SCALE

TARA FOREST WEST, TARA PHOENICIA & TARA APRIL
ALACHUA, ALACHUA COUNTY, FLORIDA
GSE PROJECT NO. 14759B

1964 AERIAL

DESIGNED BY: KLH
CHECKED BY : JEG
DRAWN BY : JMG

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FIGURE

4

LEGEND:

SUBJECT PROPERTY

REFERENCE: 71 CROPPED AERIAL



NORTH

NOT TO SCALE

1971 AERIAL

TARA FOREST WEST, TARA PHOENICIA & TARA APRIL
ALACHUA, ALACHUA COUNTY, FLORIDA
GSE PROJECT NO. 14759B

DESIGNED BY: KLH
CHECKED BY : JEG
DRAWN BY : JMG

GSE Engineering & Consulting, Inc.

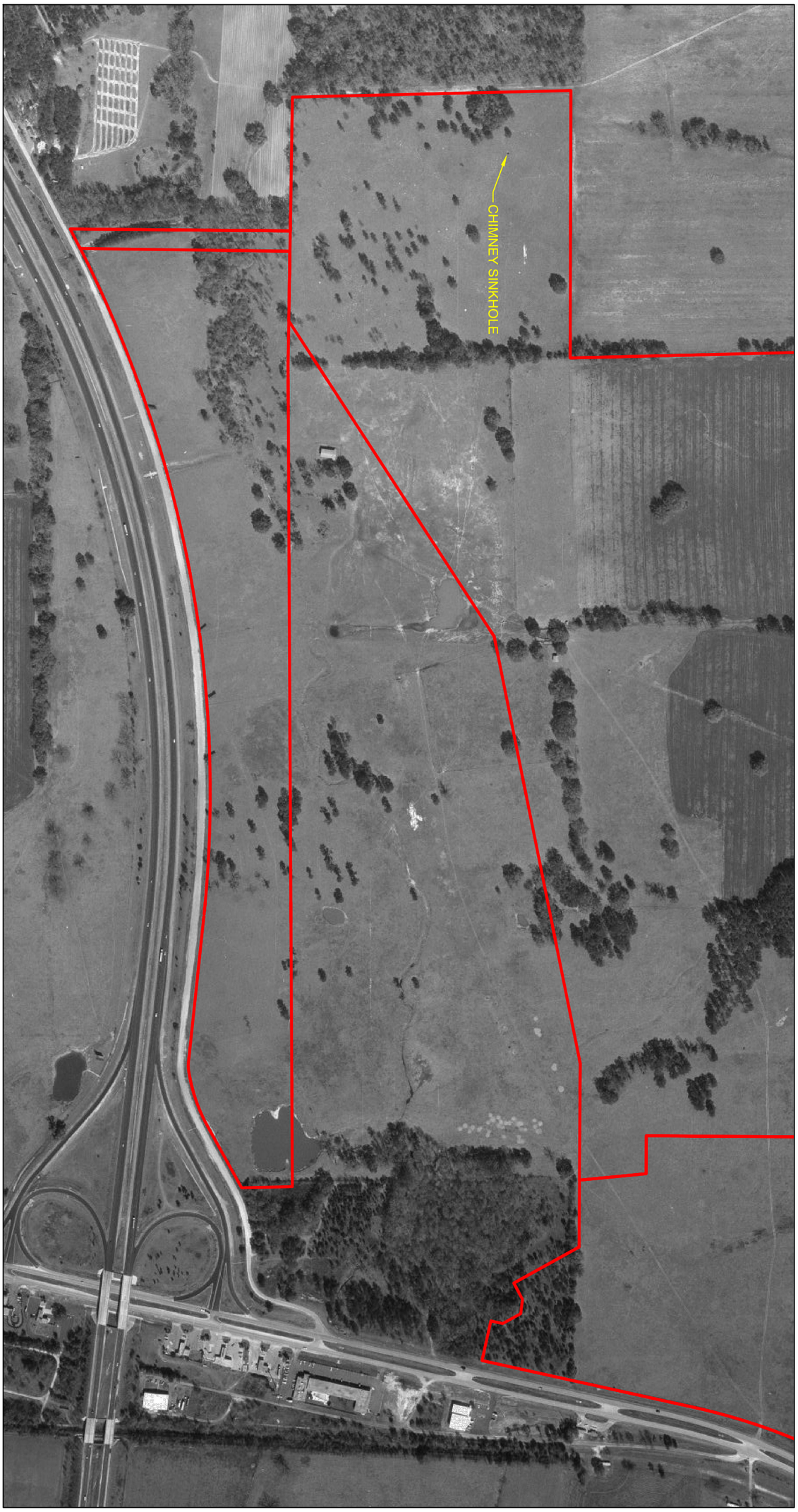
FIGURE

5

LEGEND:

SUBJECT PROPERTY

REFERENCE: 82 CROPPED AERIAL



NORTH

NOT TO SCALE

1982 AERIAL

TARA FOREST WEST, TARA PHOENICIA & TARA APRIL
ALACHUA, ALACHUA COUNTY, FLORIDA
GSE PROJECT NO. 14759B

DESIGNED BY: KLH
CHECKED BY : JEG
DRAWN BY : JMG

GSE Engineering & Consulting, Inc.

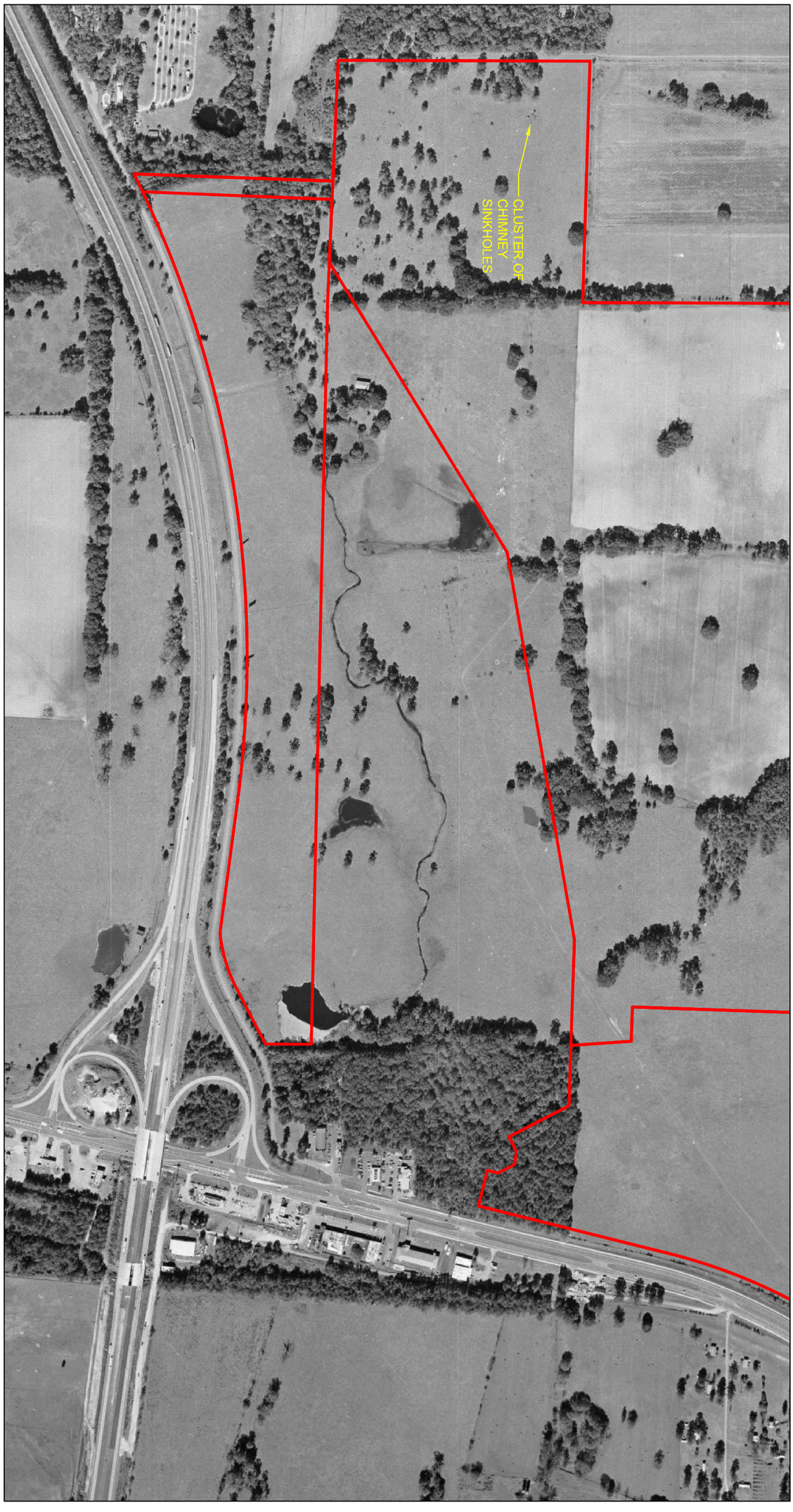
FIGURE

6

LEGEND:

SUBJECT PROPERTY

REFERENCE: 94 CROPPED AERIAL



NORTH

NOT TO SCALE

1994 AERIAL

TARA FOREST WEST, TARA PHOENICIA & TARA APRIL
ALACHUA, ALACHUA COUNTY, FLORIDA
GSE PROJECT NO. 14759B

DESIGNED BY: KLH
CHECKED BY : JEG
DRAWN BY : JMG

GSE Engineering & Consulting, Inc.

FIGURE

7

Zimbra **ad_hall@cityofalachua.org**

To Adam Hall re: Tara Forest

From : City of Alachua <website@cityofalachua.com> Tue, Sep 07, 2021 08:27 AM
Sender : website@cityofalachua.com
Subject : To Adam Hall re: Tara Forest
To : Hall, Adam <planning@cityofalachua.org>
Reply To : William Baker <Bill.baker1@me.com>

Message submitted from the <City of Alachua, FL> website.

Site Visitor Name: William Baker
Site Visitor Email: Bill.baker1@me.com

When the meeting was held for Tara Forest, I was away due to a family illness and funeral . We live adjacent, at 14655 NW 174 Ave.
Our concerns about the development are these:
1. Preserving the small city/rural vibe Alachua has in spite of I75
2. Street lights should be shielded above the light bulb to direct light downward to prevent light pollution
3. Field grown - Native Trees be planted along buffer ASAP between existing 2.5 acre and larger lots and the new high density development
4. Considering Most trees on the property have been cut down or sprayed with herbicide and Climate Change and the impact 543 homes will have on the electric grid, Will city require that the development have solar panels on the homes?

We appreciate any help you can provide. The character of our community and quality of life here is very important to all us!
Bill and Pam Baker

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Zimbra **ad_hall@cityofalachua.org**

Tara Forest

From : City of Alachua <website@cityofalachua.com> Fri, Sep 03, 2021 05:11 PM
Sender : website@cityofalachua.com
Subject : Tara Forest
To : Hall, Adam <planning@cityofalachua.org>
Reply To : Jimmy Anuszewski <gatorjimbo@g8rduc.com>

Message submitted from the <City of Alachua, FL> website.

Site Visitor Name: Jimmy Anuszewski
Site Visitor Email: gatorjimbo@g8rduc.com

Good afternoon, Mr. Hall. My name is Jimmy and I'm a board member and representative from the HOA of Dogwood Acres. I know several of our home owners have contacted you and I am writing you about the same worry they we all share: Tara Forest.

I realize that nothing can be done to stop the progress and I hope that the development brings in revenue for the city of Alachua. At the same time, there are concerns we have with the development.

The first is in regards to the traffic it will bring, especially to the 241 area around Mebane Middle. I know they are planning on a turn lane insertion, but what about extended sidewalks?

Our main concern is about the privacy that involves the area just south of Dogwood Acres. While I realize in your email replies that you stated the City of Alachua will "ensure full compliance with all applicable standards of the City of Alachua Comprehensive Plan and City of Alachua Land Development Regulations" we do not want applicable standards met. If that were to happen, we would get a minimal fence erected and that would be all. We expect you and the city to ensure that we, those that have lived here before the development, are able to retain our peace and quiet. That includes visual and audible privacy.

Is this something that you can assure us that you will work on? I hope to receive more than a copy of a minimalist email. If you would rather have a sit down, we can accomplish that. Please let me know. Thank you for your time.

Jimmy Anuszewski
Representing the homeowners of Dogwood Acres

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Zimbra **ad_hall@cityofalachua.org**

Email contact from City of Alachua, FL

From : City of Alachua <website@cityofalachua.com> Fri, Aug 27, 2021 03:57 PM
Sender : website@cityofalachua.com
Subject : Email contact from City of Alachua, FL
To : Hall, Adam <planning@cityofalachua.org>
Reply To : Sheila Diuguid <diuguid@ufl.edu>

Message submitted from the <City of Alachua, FL> website.

Site Visitor Name: Sheila Diuguid
Site Visitor Email: diuguid@ufl.edu

I move away from Gainesville in November of 2020 to get away from the over population, bad roads, and horrible traffic among other thing, after living there since 1977. I moved to Alachua where I could enjoy more country living, less development, and better traffic with less people. I knew development was inevitable on some on the bigger pieces of land, and I have to admit I am glad the land east of I-75 will not be used for more fast food restaurants but 500 HOMES!!! Oh my God! The traffic in Gainesville is unlivable and now little ole Alachua is going to do the same stupid development that Gainesville does "shot > read > aim" is the wrong order when it comes to road planning. I beg you to do a study of the traffic patterns on 441! Please do not ruin Alachua with over population! If the road cannot support 500 homes with 500+ cars I beg you to modify the building plan to less homes. Thank you! Sheila Diuguid 16776 NW 168th Ter, Alachua, FL 32615

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Zimbra **ad_hall@cityofalachua.org**

Tara West subdivision concerns

From : City of Alachua <website@cityofalachua.com> Thu, Aug 26, 2021 02:04 PM
Sender : website@cityofalachua.com
Subject : Tara West subdivision concerns
To : Hall, Adam <planning@cityofalachua.org>
Reply To : John Sapp <johnsapp22@msn.com>

Message submitted from the <City of Alachua, FL> website.

Site Visitor Name: John Sapp
Site Visitor Email: johnsapp22@msn.com

Mr. Hall,
I am writing you in regards to the recent preliminary plat meeting that took place at the Swick House on August 18th, 2021, concerning the proposed Tara West subdivision.

My wife and I, in the recent past, purchased the 3.93 acre lot 12A in Dogwood acres as a place to get away from the close living of the inner city. We spent over a year and a lot of money working with Justin in your office on a minor subdivision to remove easements from our property, so that we could enjoy the quiet and peaceful large parcel of land close to the city amenities of Alachua. When we bought the property, we knew where our backdoor neighbor would be, several acres away. We knew where our next door neighbors would be, several acres more away. Our intention was to build a large beautiful custom home on this lot to spend our last few working years and into retirement.

I honestly don't see this being the case if the proposed plat of Tara West is left as is. I see it as a horrible financial decision on my part knowing that I potentially could have 9- 7500 sq ft lots parked up against my western boundary. 9 different quick mass built homes. 9 different barking dogs. 9 different sheds against my fence. The list goes on and on.
Thats just the 9 lots that are directly adjacent to me. It doesn't even include the fact that we will be within eyesight of another 9 lots north of us and another 10-12 south of us along the same boundary.
It's heartbreaking at the very least. This is no less than the worst case scenario for all of the lot owners of Dogwood acres adjoining both Tara East and Tara West.

See next email for continuation of this request.

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Zimbra **ad_hall@cityofalachua.org**

Tara West subdivsion concerns continued

From : City of Alachua <website@cityofalachua.com> Thu, Aug 26, 2021 02:05 PM
Sender : website@cityofalachua.com
Subject : Tara West subdivsion concerns continued
To : Hall, Adam <planning@cityofalachua.org>
Reply To : John Sapp <johnsapp22@msn.com>

Message submitted from the <City of Alachua, FL> website.

Site Visitor Name: John Sapp
Site Visitor Email: johnsapp22@msn.com

I would ask that you please consider some ideas of good will towards the residents of Dogwood Acres as it pertains to this development.
1. Can we please consider mandating some type of meaningful wall / sound and sight barrier?
2. Could your office at least consider the following. If the plat cannot be changed to at least provide some type of buffer zone between the large parcels of land that Dogwood acres consists of, can you at least consider that the lots that are adjacent to Dog wood acres be larger parcels? It's crazy to step from 2.5, 4, and 7 acre lots to less than .2 acre parcels dotted all along our fence lines. You would think that a gradual step down in lots sizes would be a more prudent thing to consider?
I hope you please consider mine and the other residents of Dog Wood acres privacy and current peaceful living situations going forward in this process. Because we all own large parcels of land adjacent to this subdivision, we have a small group of voices. With over 30 acres of land bordering these 2 planned subdivisions, we only have about 10 directly affected owner voices.
I won't even address the traffic issues this subdivision is going to cause. That's for another day.
I would really appreciate your attention and concern on our part in this process.

Sincerely,
John and Toni Sapp
Lot 12 A Dogwood Acres

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CLASSIFIED AD PROOF

Customer: JB Pro
Reference Number: 69928
Price Per Insertion: $77.97
Number of Insertions: 1
Total Price: $77.97

Customer Signature: _____ Date:_____

Neighborhood Meeting Advertisement For Tara Forest West – Major Subdivision – Preliminary Plat

As a property owner located within the required 400-foot radius of a proposed development, you are hereby being notified of a proposal for a Major Subdivision Preliminary Plat as required by, Section 2.2.4 Neighborhood Meetings, of the City of Alachua Land Development Regulations. Tara Forest, LLC, is proposing Major Subdivision Preliminary Plat to develop 540 single family homes on 393.95 acres, in the City of Alachua, FL. The property is located at 15845 NW US Hwy 441 Alachua, FL. The proposed Major Subdivision Preliminary Plat will encompass, parcels numbers 0 3 0 0 8 - 0 0 0 - 0 0 0 , 03020-000-000, and 03067-001-000. The property is zoned Residential Single Family 4 (RSF-4), Conservation (CSV) and Commercial Intensive (CI).

The Neighborhood Meeting will discuss the proposed Major Subdivision Preliminary Plat, share a copy the plat, and receive comments from the public and adjacent property owners. The neighborhood meeting will be held at on August 18th, 2021, at the Swick House Conference Room, located at 15100

NW 142 Terrace, Alachua, FL 32615, between the hours of 6:00PM and 7:00PM. You may also submit your comments electronically to the Representative for the Developer of the project, JBPro, Chris Potts, Director Engineering, 3530 NW 43rd Street Gainesville FL 32606, 352-375-8999 or by email at Chris.Potts@jbpro.com.

(Published: Alachua County Today - Aug. 5, 2021)

JBPro
Civil Engineering | Land Planning
Surveying | Construction Services

Gainesville | St. Augustine
3530 NW 43rd Street
Gainesville, FL 32606

Neighborhood Meeting Notice

You are cordially invited to attend a Neighborhood Meeting as described below.



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Contact Person: Chris Potts, PE @ JBrown Professional Group Inc.
Chris.potts@jbprogroup.com
(352) 375-8999

JBrown Professional Group Inc.
3530 NW 43rd Street
Gainesville, FL 32606

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Gainesville | St. Augustine
3530 NW 43rd Street
Gainesville, FL 32606

Tara Forest West
Preliminary Plat
Neighborhood Meeting
Sign-In Sheet

Name	Address	Phone	Email
C Nicholson	14827 NW 101st Ter, Alachua	352-316-1342	cbrandt2@gmail.com
R Hjelmeir	14819 NW 103 Ter Alachua	352 213-1177	Hjelor@yahoo.com
J. YAKUBSIN	15135 NW 174TH AVE	352/222-8837	YAKMARINE AT AOL.COM
J. SAPP	15118 NW 174th Ave.	352-359-6671	JOHNSAPPZZ@MSN.COM
L. Tucker	14765 NW 174 Ln	386-418-8089 ~~352-~~	Satucker47@gmail.com
J. ANDERSEN	15021 NW 174TH Ln	2392816619	GATORJIMBO@GMAIL.COM
C. KONOSIC	15710 NW US HWY 441	352-256-7227	C.KONOSIC@GMAIL.COM

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3530 NW 43rd Street
Gainesville, FL 32606

Name	Address	Phone	Email
Robert HARTLEY	P.O. Box 1627 ALACHUA	352-258-5009	
Cheryl Hartley	PO Box 1627 Alachua	352-258-3906	
Daniel Durante	14907 NW 174th Ave	954-240-4557	me@danieldurante.com
Tyler Allen	14853 NW 174TH AVE	570677-1370	tballen08@yahoo.com

JBPro

Gainesville
3530 NW 43rd Street
Gainesville, FL 32606

St. Augustine
4420 US-1 S, Suite 1
St. Augustine, FL 32086

jbpro.com
(844) Go-JBPro
contact@jbpro.com

Tara Forest West – Preliminary Plat Neighborhood Workshop Summary

Meeting Location: Swick House Cedar Room
Meeting Date and Time: August 18th at 6pm
Meeting Presenter: Chris Potts, PE, JBPro

The neighborhood meeting began on time, with approximately 15 neighbors in attendance. Mr. Potts gave a PowerPoint presentation which described the nature of the application for a preliminary plat and provided a visual representation of the Preliminary Plat for the development at this stage of the permitting and review process. Many questions were asked, and sparked a good discussion on topics like noise and traffic concerns, and environmental and flooding impacts to adjacent properties. The timeline to final buildout was also discussed. Specific questions are listed below, with responses.

1. What is the breakdown of the size and price of the proposed homes? Are there any buffers proposed? What is the overall timeline for this proposed development?
   Response: Mr. Potts explained the proposed minimum lot size of 7,500 sf, estimated home size of 1,200 sf to 2,500 sf one-story and two-story homes, that will likely be priced between $250,000 and $400,000. He explained the recreational zoned parcel that is provided as a buffer between the proposed residential lots and the conservation area, and that no buffer was required or provided between the two residential uses. Mr. Potts mentioned that a 6-foot tall privacy fence would likely be proposed as a way to separate the proposed development from existing residential lots. Several neighbors voiced their opinion of the inadequacy of a 6-foot tall fence, saying they preferred a taller masonry style wall to separate and protect them from noise and light pollution. The option of providing larger lots along the property boundary was discussed. Lastly, Mr. Potts explained the review process and timeframe for the proposed project and mentioned construction for Phase 1 would likely start in approximately 2 years.

2. Who decided the zoning breakdown of the subject parcels?
   Response: Mr. Potts explained the history of the zoning breakdown and that the City made the decision to dedicate the conservation land as the western portion of the property.

3. Is it possible to expand the radius for notifications of future meetings?
   Response: Mr. Potts explained that City of Alachua has a criterion of a 400-foot radius for which to provide notification of public meetings and hearings. He agreed to expand the radius in order to encompass a larger area for future meetings.

4. Discussion was brought up regarding the existing sink holes on site, whether additional pines would be planted on the property during the permitting process, and the occurrence of a helicopter spraying the property.
   Response: Mr. Potts explained that environmental assessments are a required aspect of all proposed developments and we are aware of the sink holes on the property. He mentioned that as JBPro does not own the property, we are unaware of any activities regarding spraying and planting but would be happy to inquire. Concerns regarding what was being sprayed and how it would affect the aquifer were discussed. Mr. Potts explained the stormwater treatment requirements and methods and ensured that no adverse effects from the development would impact the aquifer.

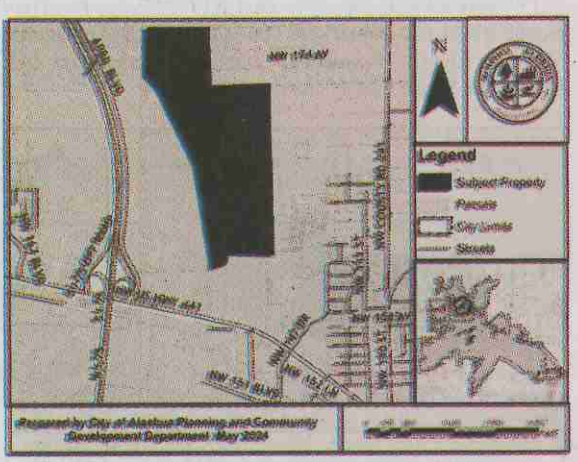
5. The topography of the development and surrounding areas was discussed, as well as flooding concerns.
   Response: Mr. Potts explained that while some fill for the site will be required, it is the intent of the design to follow the natural topography of the land. Flooding concerns were alleviated through discussions of stormwater requirements.

6. Many neighbors voiced concerns regarding the additional traffic load this development will generate, and expressed a lack of faith in the ability to calm traffic and mitigate for the additional volume.
   Response: Mr. Potts explained that this development will undergo review by FDOT as it connects to roads falling within that jurisdiction, and that any improvements will be approved by FDOT in accordance with their standards for design and safety. Neighbors requested a traffic light at the connection to US 441, and Mr. Potts explained that traffic lights are not typically desired by FDOT, but more discussions will be had prior to final approval.

City of ALACHUA

NOTICE OF PUBLIC HEARING BEFORE THE PLANNING AND ZONING BOARD OF THE CITY OF ALACHUA, FLORIDA

Notice is hereby given that the Planning and Zoning Board of the City of Alachua will hold a public hearing on June 11, 2024 at 6:00 p.m. The hearing will be held in the James A. Lewis Commission Chambers in City Hall, located at 15100 NW 142nd Terrace, Alachua, Florida, to consider the following: A request by Christopher Potts, P.E. of JBrown Professional Group, Inc., applicant, on behalf of Tara Forest, LLC, property owner, for consideration of a Special Exception Permit to allow stormwater retention and detention facilities on a portion of a ±198.39 acre subject property. The subject property is generally located north of US 441 and west of NW 147th Drive; Portions of Tax Parcel Numbers 03008-000-000 and 03067-001-000; Future Land Use Map (FLUM) Designations: Moderate Density Residential, and Recreation; Zoning: Residential Single Family -4 (RSF-4), and Agricultural (A).



At the public hearing, all interested parties may appear and be heard with respect to the application. Copies of the application are available for public inspection at the Planning and Community Development Department, 15100 NW 142nd Terrace, Alachua, Florida, on any regular business day between the hours of 7:30 a.m. to 6:00 p.m. Written comments on the application may be sent to the following address: City of Alachua, Planning and Community Development, P.O. Box 9, Alachua, FL 32616. Notice is given pursuant to Section 286.0105, Florida Statutes, that, in order to appeal any decision made at the public hearing, you will need a record of the proceedings, and that, for such purpose, you may need to ensure that a verbatim record of the proceedings is made, which includes the testimony and evidence upon which the appeal is to be based. In accordance with the Americans with Disabilities Act, any persons with a disability requiring reasonable accommodation in order to participate in this meeting should call the City Clerk at (386) 418-6100 x 1501 at least 48 hours prior to the public hearing.

(Published: Alachua County Today - May 30, 2024)

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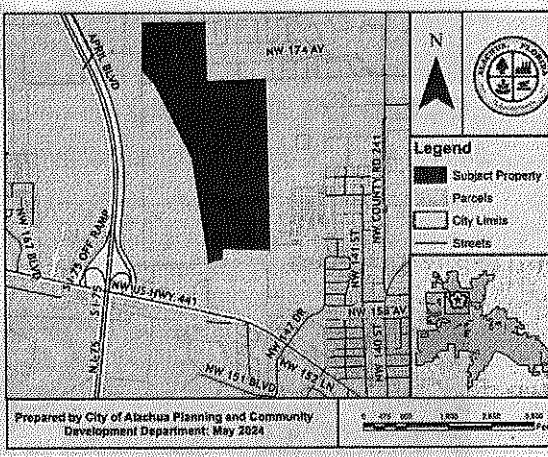

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(Published: Alachua County Today - May 30, 2024)

AFFIDAVIT FOR POSTED LAND USE SIGN

RECEIVED
MAY 28 2024
BY: Company

I, David Della, POSTED THE LAND USE
(Name)
SIGN ON May 28th 2024 FOR THE Tara Forest West Preliminary Plat
(Date) (State type of action and project name)
LAND USE ACTION.

AS PER ARTICLE 2.2.9 D OF THE LAND DEVELOPMENT REGULATIONS.

THIS WILL BE INCLUDED IN THE STAFF REPORT.

(Signature)

Three (3)
(Number of signs)

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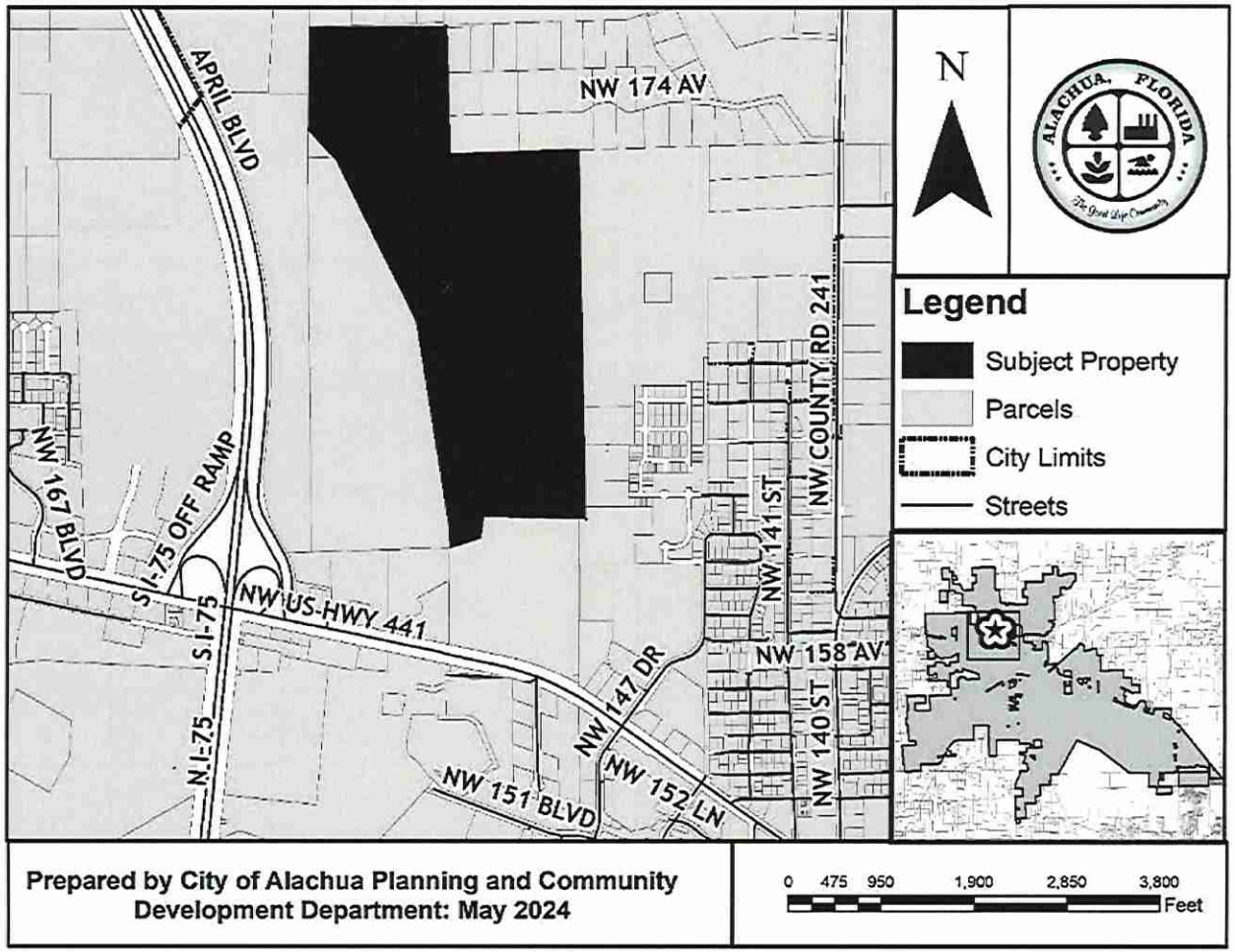

RECEIVED
MAY 28 2024
BY:

JUNE 11, 2024 @ 6:00 PM

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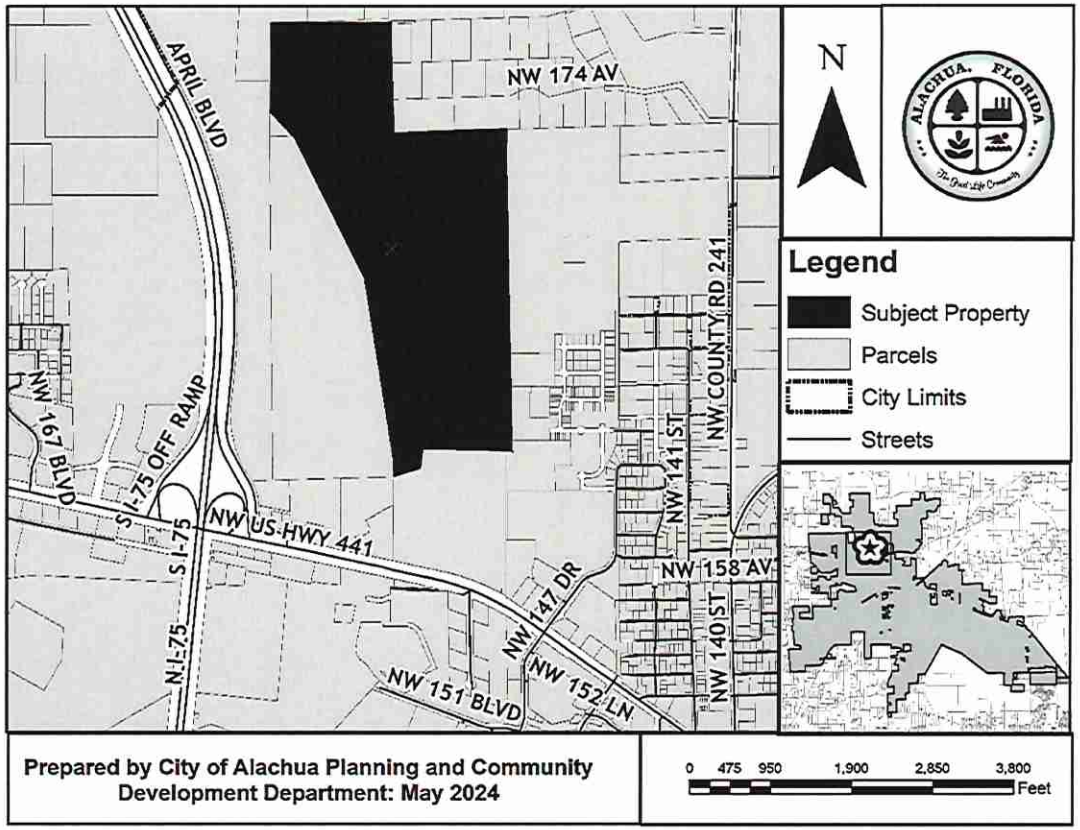

JUNE 11, 2024 @ 6:00 PM
JULY 22, 2024 @ 6:00 PM

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BY: company

City of ALACHUA
the good life community

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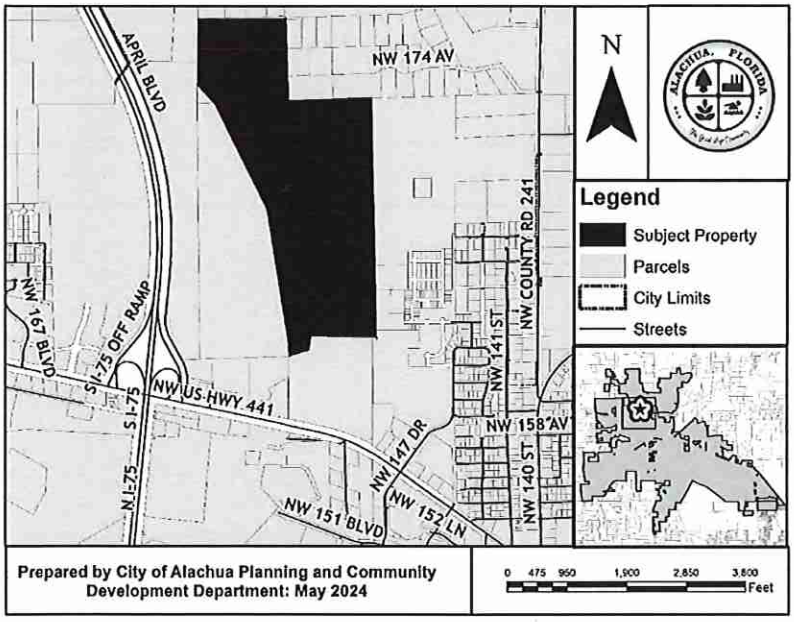

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P.O. Box 9 ♦ Alachua, Florida 32616-0009
Phone: (386) 418-6121 ♦ Fax: (386) 418-6130

City of ALACHUA
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MAILED
MAY 23 2024

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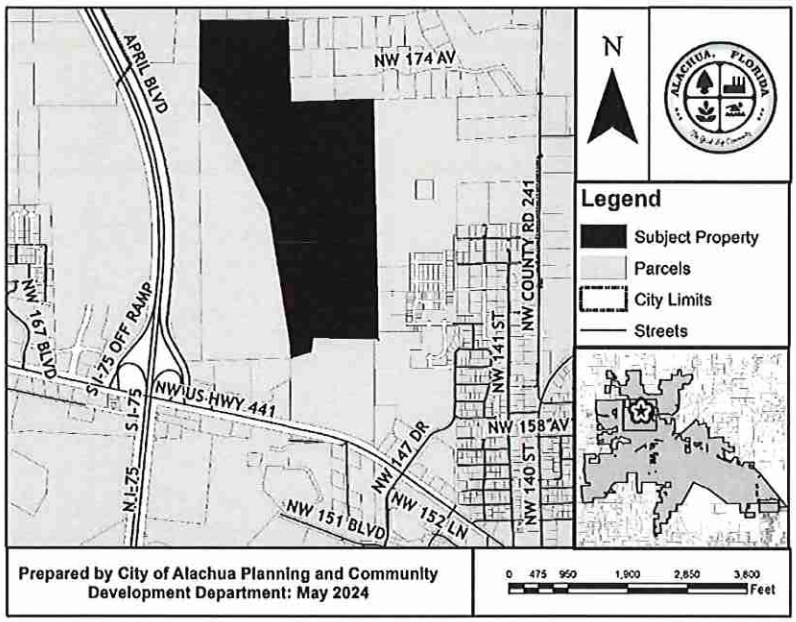

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Phone: (386) 418-6121 ♦ Fax: (386) 418-6130

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03067-601-001
CAMPUS USA CREDIT UNION
14007 NW 1ST RD
NEWBERRY, FL 32669

03067-601-002
ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

03067-601-003
LBJ ALACHUA LLC
4 DORCHESTER RD
SCARSDALE, NY 10583

MAILED
MAY 2 3 2024

03067-601-004
ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

03068-005-000
JONES HENRY JR & PHOEBE
PO BOX 956
ALACHUA, FL 32616

03068-005-001
SMITH MARY LOUISE
14314 NW 167TH PL
ALACHUA, FL 32615

03068-005-002
JONES HENRY
PO BOX 956
ALACHUA, FL 32616

03068-007-000
IMAGE PROPERTY SOLUTIONS LLC
10006 CROSS CREEK BLVD #164
TAMPA, FL 33647

03068-008-000
COYLE & COYLE
14319 NW 167TH PL
ALACHUA, FL 32615

03068-009-000
LUNDY GWENDOLYN
120 SE 25TH TER
GAINESVILLE, FL 32641

03068-009-001
TYSON DEVRON D
PO BOX 23
ALACHUA, FL 32616

03068-014-000
IMAGE PROPERTY SOLUTIONS LLC
10006 CROSS CREEK BLVD #164
TAMPA, FL 33647

03068-015-000
MARK MARY
PO BOX 711
ALACHUA, FL 32616

03076-000-000
SHARMA LATIKA
14217 NW 166TH PL
ALACHUA, FL 32615

03080-000-000
DESUE & WHITLEY
823 PINE ST
STARKE, FL 32091

03080-001-000
HAILE ELAINE D
802 OAK ST
STARKE, FL 32091

03081-000-000
BAKER & LUNDY
14317 NW 165TH PL
ALACHUA, FL 32615

03081-001-000
SMITH H E
18125 NW 42ND PL
OPA LOCKA, FL 33055

03081-002-000
KIRKLAND MARY L
1275 NE 136TH TER #1
NORTH MIAMI, FL 33161

03081-003-000
RESHARD SHARON BARNES
PO BOX 2134
ALACHUA, FL 32616

03125-001-000
CEMETERY
17017 NW COUNTY ROAD 241
ALACHUA, FL 32615

03127-000-000
EIB REUBEN J & DEBORAH S
17325 NW COUNTY RD 241
ALACHUA, FL 32615

03127-001-000
LEWIS LANCE A & ELIZABETH A
16913 NW COUNTY RD 241
ALACHUA, FL 32615

03127-020-002
KARAPHILLIS JOHN M & CYNTHIA A
13811 NW 172ND AVE
ALACHUA, FL 32615

03531-008-000
ALACHUA COUNTY HOUSING AUTHORITY
701 NE 1ST ST
GAINESVILLE, FL 32601

03531-009-000
MCCLAIN ERICA S
14324 NW 157TH PL
ALACHUA, FL 32615

03531-010-000
EDWARDS VELMA D
PO BOX 314
ALACHUA, FL 32616

03605-010-001
AVONDA WILLIAM M & DEBORA L
14741 NW 151ST BLVD
ALACHUA, FL 32615

03605-010-018
AVELLA ANTHONY J & GINGER L
182 TURKEY CREEK
ALACHUA, FL 32615

03605-010-019
HODGES & LUNDQUIST
14656 NW 150TH LN
ALACHUA, FL 32615

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03067-062-072
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-073
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-082
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-083
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-084
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-085
PATEL KALPESH
16273 NW 143RD WAY
ALACHUA, FL 32615

MAILED
MAY 2 3 2024

03067-062-086
WILLIAMS RAYMOND A & SHARON J
16293 NW 143RD WAY
ALACHUA, FL 32615

03067-062-087
MOORE STEVE JR
14282 NW 163RD PL
ALACHUA, FL 32615

03067-062-088
DEJESUS BERMAN
PO BOX 1131
INGLIS, FL 34449

03067-062-089
SORRELL ALBERT L & PAMELA E
14304 NW 163RD PL
ALACHUA, FL 32615

03067-062-090
CRISWELL JOHNATHAN
14324 NW 163RD PL
ALACHUA, FL 32615

03067-062-091
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
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03067-062-092
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7475 SW 70TH LN
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03067-062-101
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-102
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-103
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-104
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-105
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-062-106
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-063-000
TARA BAYWOOD LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-600-000
CANVAS CHURCH FL INC
PO BOX 219
ALACHUA, FL 32616

03067-601-000
ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

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Easy Peel Address Labels
Bend along line to expose Pop-up Edge

AVERY 5160

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Etiquettes d'adresse Easy Peel
Replier à la hachure afin de révéler le rebord Pop-up

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03067-060-027
MCCORD CHRIS & SE'EPA
14293 NW 159TH LN
ALACHUA, FL 32615

03067-060-029
GAVARRETE RAMON & INDIRA
14302 NW 159TH LN
ALACHUA, FL 32615

03067-060-030
WILLIAMS AKOSUA KELITHA M
14322 NW 159TH LN
ALACHUA, FL 32615

MAILED
MAY 2 3 2024

03067-060-031
KIRBY KEVIN L
14342 NW 159TH LN
ALACHUA, FL 32615

03067-060-032
CANNEGIETER LEROY R & TANYA
14362 NW 159TH LN
ALACHUA, FL 32615

03067-060-033
JONES SHANDRICKA
14392 NW 159TH LN
ALACHUA, FL 32615

03067-060-034
TARROBAL JOEL CONRAD W & RIA C
14387 NW 160TH LN
ALACHUA, FL 32615

03067-061-035
YOUNG MACK H & GEORGIA MAE
14367 NW 160TH LANE
ALACHUA, FL 32615

03067-061-036
WILSON TANGELA M
14347 NW 160TH LN
ALACHUA, FL 32615

03067-061-037
TAOPO EDWIN & MIDNITTE
14327 NW 160TH LANE
ALACHUA, FL 32615

03067-061-038
MENDOZA & VALDES
14307 NW 160TH LN
ALACHUA, FL 32615

03067-061-039
SCOTT CORITA T
14295 NW 160TH LN
ALACHUA, FL 32615

03067-061-050
BUONSIGNORE MICHAEL W & MAMI
14304 NW 160TH LN
ALACHUA, FL 32615

03067-061-051
WOODARD TERRI M
14324 NW 160TH LN
ALACHUA, FL 32615

03067-061-052
GIRALDO & MARTINEZ H/W
14344 NW 160TH LN
ALACHUA, FL 32615

03067-061-053
FABIANO CHRISTOPHER & GAYLE CRUZ
14364 NW 160TH LN
ALACHUA, FL 32615

03067-061-054
MATHIS STANLEY P & ANTOINETTE L
14384 NW 160TH AVE
ALACHUA, FL 32615

03067-061-055
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

03067-061-056
BROWN WYNDELL A & LATOSHA L
14365 NW 161ST AVE
ALACHUA, FL 32615

03067-061-057
NGUYEN TONY M & TOMOKO S
14345 NW 161ST AVE
ALACHUA, FL 32615

03067-061-058
COBTY MAJIB & MARIE N
14325 NW 161ST AVE
ALACHUA, FL 32615

03067-061-059
MOORE JASON S & MONICA R
14305 NW 161ST AVE
ALACHUA, FL 32615

03067-061-064
CAISON WILLIE EDWARD SR & DEANDR
13308 NW 161ST AVE
ALACHUA, FL 32615

03067-061-065
HEWITT THOMAS C
14328 NW 161ST AVE
ALACHUA, FL 32615

03067-061-066
MYLEK DENNIS JAMES & EDITH
115 ROSEWOOD DR
PRINCETON, WV 24739

03067-061-067
CRAWFORD JOHN F II & ASHLEA B
14368 NW 161ST AVE
ALACHUA, FL 32615

03067-061-068
FLYNN PAUL S & LINDA
14388 NW 161ST AVE
ALACHUA, FL 32615

03067-062-069
YOUNG RAMONE R
14385 NW 162ND PL
ALACHUA, FL 32615

03067-062-070
AKRIDGE MICHAEL D & SHATEKA
14365 NW 162ND PL
ALACHUA, FL 32615

03067-062-071
AMA GAINESVILLE INVESTMENTS
7475 SW 70TH LN
GAINESVILLE, FL 32608

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Easy Peel Address Labels
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Etiquettes d'adresse Easy Peel
Repliez à la hachure afin de révéler le rebord Pop-up

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03066-006-002
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03066-007-000
ALL AMERICAN OIL LLC
380 COMMERCE PARKWAY
ROCKLEDGE, FL 32955

03066-008-000
TEMPLE HILL INC
11149 CONISTON WAY
WINDERMERE, FL 34786

03066-008-001
SHREDHA & SABURI INC
15920 NW US HWY 441
ALACHUA, FL 32615

03066-008-002
TEMPLE HILL INC
11149 CONISTON WAY
WINDERMERE, FL 34786

03067-000-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

MAILED
MAY 23 2024

03067-001-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-001-001
CANVAS CHURCH FL INC
PO BOX 219
ALACHUA, FL 32616

03067-001-005
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03067-003-000
ADVANCE AUTO PARTS INC
ADVANCE STORES CO INC #9236
PO BOX 2710 ATTN: TAX ACCOUNTING
ROANOKE, VA 24001

03067-004-000
CRUSADERS FOR CHRIST CHURCH INC
PO BOX 1087
ALACHUA, FL 32616

03067-004-001
HANCOCK JOSEPH A & CRYSTAL M
14309 NW 159TH PL
ALACHUA, FL 32615

03067-004-002
CURTIS NATRON
14326 NW 158TH AVE
ALACHUA, FL 32615

03067-005-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-005-001
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-006-010
LOWES HOME CENTERS INC
1000 LOWES BOULEVARD TAX DEPT
MOORESVILLE, NC 28117

03067-060-001
WARD & WARD
14389 NW 159TH PL
ALACHUA, FL 32615

03067-060-002
RINGLEHAN JASON R
14369 NW 159TH PL
ALACHUA, FL 32615

03067-060-003
MCGINNIS-BROWN RUBY D
14349 NW 159TH PL
ALACHUA, FL 32615

03067-060-004
CHUOP & EANG
14329 NW 159TH PL
ALACHUA, FL 32615

03067-060-005
HANCOCK JOSEPH A & CRYSTAL M
14309 NW 159TH PL
ALACHUA, FL 32615

03067-060-017
HALL HEATHER T
14298 NW 159TH PL
ALACHUA, FL 32615

03067-060-018
CELLI PETER J
14316 NW 159TH PL
ALACHUA, FL 32615

03067-060-019
JONES ALLEN A & BRENDA L
PO BOX 1785
ALACHUA, FL 32616

03067-060-020
RODRIGUEZ PEDRO J & DELILAH M
14356 NW 159TH PL
ALACHUA, FL 32615

03067-060-021
KOCHER GARY C & DENISE B
540 MILLHOUSE LN
ORANGE PARK, FL 32065

03067-060-022
SANTOS JOSE
14555 MAIN ST
ALACHUA, FL 32615

03067-060-024
BENNETT CHRISTINA
14351 NW 159TH LN
ALACHUA, FL 32615

03067-060-025
LAM PHUONG HONG
14331 NW 159TH LN
ALACHUA, FL 32615

03067-060-026
DOBY & JOHNSON
14311 NW 159TH LN
ALACHUA, FL 32615

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Easy Peel Address Labels
Bend along line to expose Pop-up Edge

AVERY 5160

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Etiquettes d'adresse Easy Peel Replacez à la fonction allez de revedele le bord Pop-up

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03014-004-002
BEVILLE-LAMBERT & LAMBERT W/H
15500 NW 180TH AVE
ALACHUA, FL 32615

03014-004-003
CONNER & RUSSELL
PO BOX 912
ALACHUA, FL 32616

03014-004-004
LUNGER RONALD A & BARBARA L
15300 NW 180TH AVE
ALACHUA, FL 32615

03014-010-006
BELLAMY VALLEY RANCH LLC
18202 NW 140TH ST
ALACHUA, FL 32615

03015-001-000
SPENCER JR & SPENCER TRUSTEES
17604 NW 140TH ST
ALACHUA, FL 32615

03015-004-000
MRVZ PARK INVESTORS LLC
PO BOX 1462
INVERNESS, FL 34451

MAILED
MAY 2 3 2024

03017-002-000
SPENCER ARTHUR PRESCOTT JR TRUS
4145 STATE RD 11
DELAND, FL 32724

03020-000-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03049-000-000
ALACHUA A ONE LLC
15260 NW 147TH DR STE 100
ALACHUA, FL 32615

03049-004-000
ALACHUA A ONE LLC
15260 NW 147TH DR STE 100
ALACHUA, FL 32615

03054-000-000
JP & KP LLC
11149 CONISTON WAY
WINDERMERE, FL 34786

03054-001-002
TOMOKA HILLS FARMS INC
1301 DIXIANA DOMINO RD
LEXINGTON, KY 40511

03054-002-000
JP & KP LLC
11149 CONISTON WAY
WINDERMERE, FL 34786

03059-001-000
MCDONALD'S CORP (009/0551)
C/O JUAN PRADO
PRADO ENTERPRISES INC 19175 N DALE
LUTZ, FL 33548

03059-003-000
FDOT
% RIGHT OF WAY DEPT
MAIL STATION 2020 1109 S MARION AVE
LAKE CITY, FL 32025

03059-005-000
MCDONALD'S CORP (009/0551)
C/O JUAN PRADO
PRADO ENTERPRISES INC 19175 N DALE
LUTZ, FL 33548

03062-000-000
ORTIZ & PETERSON-ORTIZ H/W
17304 NW 140TH ST
ALACHUA, FL 32616

03062-001-000
JOHNS PATSY ANNETTE
24133 NW 174TH AVE
HIGH SPRINGS, FL 32643

03062-002-000
HAGAN MILDRED
16906 NW 140TH ST
ALACHUA, FL 32615

03062-003-000
EMMA MICHAEL R & RAYSA
17208 NW CR 241
GAINESVILLE, FL 32615

03066-000-000
FIRST STREET GROUP L C
PO BOX 1990
ALACHUA, FL 32616

03066-001-000
STALBAUM & STALBAUM
4526 SW 63RD BLVD
GAINESVILLE, FL 32608

03066-002-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03066-002-001
NATIONAL SPELEOLOGICAL SOCIETY I
6001 TULASKI PIKE NW
HUNTSVILLE, AL 35810

03066-004-000
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03066-004-001
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03066-004-002
NATIONAL RETAIL PROPERTIES LP
450 S ORANGE ABE STE 900
ORLANDO, FL 32801

03066-005-000
DIADEM INVESTMENTS LLC
2420 NE 32ND CT
LIGHTHOUSE POINT, FL 33064

03066-006-000
MOHAN-LERRA FAMILY PARTNERSHIP
16715 NW 129TH TER
ALACHUA, FL 32615

03066-006-001
WAFFLE HOUSE INC
5986 FINANCIAL DR
NORCROSS, GA 30071

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03008-000-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03013-000-000
SPENCER JR & SPENCER TRUSTEES
17604 NW 140TH ST
ALACHUA, FL 32615

03013-004-000
LLORCA JORGE MANUEL
PO BOX 142991
GAINESVILLE, FL 32614

MAILED
MAY 2 3 2024

03013-010-002
MCKNIGHT & MCKNIGHT M/C
14201 NW 174TH AVE
ALACHUA, FL 32615

03013-010-003
MALPHURS CHRISTOPHER ROBERT & K
14259 NW 174TH AVE
ALACHUA, FL 32615

03013-010-004
MALPHURS CHRISTOPHER ROBERT & I
14259 NW 147TH AVE
ALACHUA, FL 32615

03013-010-005
GAMAGE RICHARD F & CHERYL L
14495 NW 174TH AVE
ALACHUA, FL 32615

03013-010-006
KNISELEY GREGORY P & JOAN E
PO BOX 782
ALACHUA, FL 32616

03013-010-007
BAKER WILLIAM S & PAMELA A
14655 NW 174TH AVE
ALACHUA, FL 32615

03013-010-008
ESCOFFERY-LAWRENCE & LAWRENCE
14745 NW 174TH AVE
ALACHUA, FL 32615

03013-010-009
DURANTE & KOJO
14907 NW 174TH AVE
ALACHUA, FL 32615

03013-010-010
YAKUBSIN JAMES E & LINDA A
15135 NW 174TH AVE
ALACHUA, FL 32615

03013-020-004
SIMIC DANIEL G & KALINDI A
17452 NW 145TH DR
ALACHUA, FL 32615

03013-020-005
KNAPP EDWARD B & BONITA J
14627 NW 174TH LN
ALACHUA, FL 32615

03013-020-006
HAUSE JOHN GREGORY & JULIE LIFE E
14693 NW 174TH LN
ALACHUA, FL 32615

03013-020-007
TUCKER LONNIE A & SHERRY A
14765 NW 174TH LN
ALACHUA, FL 32615

03013-020-008
ALLEN & MEYERS
14853 NW 174TH LANE
ALACHUA, FL 32615

03013-020-009
KOUTSKY HAROLD J & JILL L
14935 NW 174TH LN
ALACHUA, FL 32615

03013-020-010
ANUSZEWSKI JAMES & STEPHANIE M
15021 NW 174TH LANE
ALACHUA, FL 32615

03013-020-011
HARRELL GLENN ASHLEY & KIMBERLY
7518 NW 126TH AVE
ALACHUA, FL 32615

03013-020-012
PRATTO-SAPP & SAPP
PO BOX 1244
ALACHUA, FL 32616

03013-020-013
BOODRAM SEETERAM & DAVEKA
2620 1 ST AVE
HALETHORPE, MD 21227

03013-020-014
THOMAS ANDREW LAWTON & ANGELITA
14660 NW 174TH AVE
ALACHUA, FL 32615

03013-020-015
INNIS VERONIKA
14596 NW 174TH AVE
ALACHUA, FL 32615

03013-020-016
MURTHA GARY J & MARY E
14528 NW 174TH AVE
ALACHUA, FL 32615

03013-020-017
FRIEDMAN MORTON B & SUSAN J
PO BOX 2065
ALACHUA, FL 32616

03013-020-018
LLORCA JORGE MANUEL
PO BOX 142991
GAINESVILLE, FL 32614

03013-020-019
PRATTO & PRATTO
3131 NW 111TH ST
GAINESVILLE, FL 32606

03013-020-020
SMITH DAVE EUGENE & PAMELA PEARS
14514 ASCOT SQUARE COURT
BOYDS, MD 20841

03014-004-001
BONFIGLIO JAMES JR & TEATA L
15640 NW 180TH AVE
ALACHUA, FL 32615

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03868-001-001
KOROSIC CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-002
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03869-000-000
FIRST STREET GROUP L C
PO BOX 1990
ALACHUA, FL 32616

MAILED
MAY 2 3 2024

03869-011-000
YOUNG ESTATES LLC
14414 NW 60TH AVE
ALACHUA, FL 32615

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03008-000-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03013-010-007
BAKER WILLIAM S & PAMELA A
14655 NW 174TH AVE
ALACHUA, FL 32615

03013-010-008
ESCOFFERY-LAWRENCE & LAWRENCE
14745 NW 174TH AVE
ALACHUA, FL 32615

MAILED
MAY 23 2024

03013-010-009
DURANTE & KOJO
14907 NW 174TH AVE
ALACHUA, FL 32615

03013-010-010
YAKUBSIN JAMES E & LINDA A
15135 NW 174TH AVE
ALACHUA, FL 32615

03013-020-012
PRATTO-SAPP & SAPP
PO BOX 1244
ALACHUA, FL 32616

03013-020-013
BOODRAM SEETERAM & DAVEKA
2620 1 ST AVE
HALETHORPE, MD 21227

03013-020-019
PRATTO & PRATTO
3131 NW 111TH ST
GAINESVILLE, FL 32606

03013-020-020
SMITH DAVE EUGENE & PAMELA PEAR
14514 ASCOT SQUARE COURT
BOYDS, MD 20841

03020-000-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03066-000-000
FIRST STREET GROUP L C
PO BOX 1990
ALACHUA, FL 32616

03066-001-000
STALBAUM & STALBAUM
4526 SW 63RD BLVD
GAINESVILLE, FL 32608

03066-002-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03066-002-001
NATIONAL SPELEOLOGICAL SOCIETY IN
6001 TULASKI PIKE NW
HUNTSVILLE, AL 35810

03066-004-000
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03066-004-001
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03066-006-000
MOHAN-LERRA FAMILY PARTNERSHIP
16715 NW 129TH TER
ALACHUA, FL 32615

03066-006-001
WAFFLE HOUSE INC
5986 FINANCIAL DR
NORCROSS, GA 30071

03066-006-002
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03067-000-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-001-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-001-005
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03067-005-000
TARA FOREST LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-006-010
LOWES HOME CENTERS INC
1000 LOWES BOULEVARD TAX DEPT
MOORESVILLE, NC 28117

03067-063-000
TARA BAYWOOD LLC
7717 NW 20TH LN
GAINESVILLE, FL 32605

03067-601-000
ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

03067-601-002
ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

03067-601-003
LBJ ALACHUA LLC
4 DORCHESTER RD
SCARSDALE, NY 10583

03067-601-004
ALACHUA DEVELOPMENT CO LLC
16469 BRIDLEWOOD CIR
DELRAY BEACH, FL 33445

03868-000-000
KOROSIC CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

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Etiquettes d'adresse Easy Peel
Replier à la hachure afin de révéler le rebord Pop-up

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03869-019-000
WIGGINS ETHEL J TRUSTEE
PO BOX 1857
ALACHUA, FL 32616

03869-020-000
TOMLINSON PROPERTY GROUP LLC
3580 N MAIN ST
GAINESVILLE, FL 32609

03869-021-000
TOMLINSON PROPERTY GROUP LLC
3580 N MAIN ST
GAINESVILLE, FL 32609

03869-023-000
ALACHUA TOWNE CENTRE ASSOCIATIO
13505 NW 88TH PL
ALACHUA, FL 32615

03873-000-000
TOMOKA HILLS FARMS INC
1301 DIXIANA DOMINO RD
LEXINGTON, KY 40511

03873-001-000
TOMOKA HILLS FARMS INC
1301 DIXIANA DOMINO RD
LEXINGTON, KY 40511

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Easy Peel Address Labels
Bend along line to expose Pop-up Edge

AVERY 5160

03863-000-000
ALACHUA HOLDINGS LTD
PO BOX 1990
ALACHUA, FL 32616

03863-002-000
R & J MCCAULEY LLC
15260 NW 147TH DR
ALACHUA, FL 32615

03868-000-000
KOROSIC CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

MAILED
MAY 2 3 2024

03868-001-001
KOROSIC CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-002
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-003
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-004
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-005
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-006
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-007
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-001-008
KOROSIC, CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03868-002-000
CITY OF ALACHUA
PO BOX 9
ALACHUA, FL 32616

03868-002-001
CITY OF ALACHUA
P O BOX 9
ALACHUA, FL 32616

03869-000-000
FIRST STREET GROUP L C
PO BOX 1990
ALACHUA, FL 32616

03869-001-000
TLC PROPERTIES INC
2065 NW 57TH ST
OCALA, FL 34475

03869-002-000
HARKINS JAMES E JR & RENEE
PO BOX 6307
MARIANNA, FL 32447

03869-003-000
COMMUNITY PROPERTIES USA INC
15560 SW US HIGHWAY 441 STE 200
ALACHUA, FL 32615

03869-003-001
ALACHUA TOWNE CENTRE ASSOCIATI
13505 NW 88TH PL
ALACHUA, FL 32615

03869-004-000
SHAKTI MANAGEMENT LLC
2631 SW 118TH TER
GAINESVILLE, FL 32608

03869-005-000
MCCAULEY PROPERTIES LLC
3727 SW 92ND DR
GAINESVILLE, FL 32608

03869-006-000
FILCENTERS LLC
14974 NW 150TH LN
ALACHUA, FL 32615

03869-007-000
10.47 LLC
15260 NW 147TH DR
ALACHUA, FL 32615

03869-007-001
ALACHUA DEVELOPMENT LLC
5405 CYPRESS CENTER DR STE 320
TAMPA, FL 33609

03869-008-000
KOROSIC CHRISTOPHER ALLAN
15710 NW US HIGHWAY 441
ALACHUA, FL 32615

03869-009-000
10.47 LLC
15260 NW 147TH DR
ALACHUA, FL 32615

03869-010-000
10.47 LLC
15260 NW 147TH DR
ALACHUA, FL 32615

03869-011-000
YOUNG ESTATES LLC
14414 NW 60TH AVE
ALACHUA, FL 32615

03869-012-000
ALACHUA PROFESSIONAL PLAZA LLC
15260 NW 147TH DR STE A
ALACHUA, FL 32615

03869-013-000
FIRST STREET GROUP LC
PO BOX 1990
ALACHUA, FL 32616

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