STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

TECHNICAL REPORT COVERSHEET

650-050-38
ENVIRONMENTAL
MANAGEMENT
06/17

DRAFT POND SITING REPORT

Florida Department of Transportation

District 7

US 98 / SR 35 / SR 700

Limits of the Project: From CR 54 to US 301/SR 39
Pasco County, Florida

Work Program Item Segment No.: 443368-2

ETDM Number: 14374

Date: November 2021

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. §327 and a Memorandum of Understanding dated December 14, 2016, and executed by the Federal Highway Administration and FDOT.

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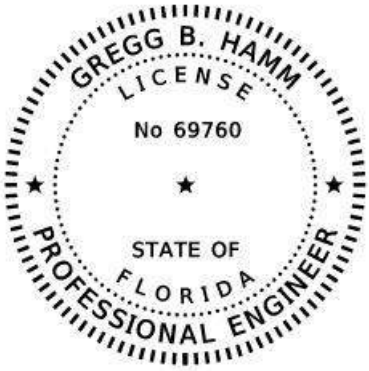

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Florida Department of Transportation

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Date 11/08/2021
FL Professional Engineer # 69760
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I hereby certify that I am a registered professional engineer in the State of Florida practicing with Arcadis U.S., Inc. a corporation authorized to operate as an engineering business, Certificate of Authorization License Number 00007917, by the State of Florida, Department of Professional Regulation, and Board of Professional Engineers. I have prepared, reviewed, or approved the evaluation, findings, opinions, and conclusions as reported in this Pond Siting Report.

The Pond Siting Report includes a summary of data collection efforts and design analysis of pond sizes for US 98/SR 35/SR 700 from CR 54 to US 301/SR 39. I acknowledge that the procedures and references used to develop the results contained in this report are standard to the professional practice of civil engineering as applied through design standards and criteria set forth by the federal, state, and local regulatory agencies as well as professional judgement and experience.

This item has been digitally signed and sealed by Gregg B. Hamm on the date indicated here using a digital signature; printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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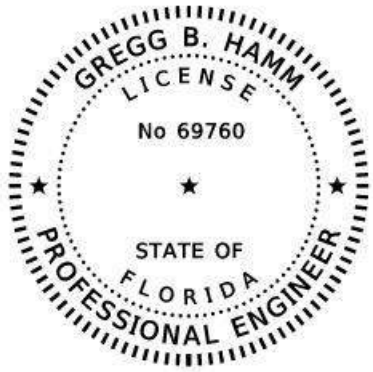

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Date: 11/08/2021

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EXECUTIVE SUMMARY

The Florida Department of Transportation (FDOT) District 7 is conducting a Project Development and Environment (PD&E) study along US Highway 98 (US 98) / State Road (SR) 35 / SR 700 from CR 54 to US 301 / SR 39, in Pasco County. The study will focus on widening this section of US 98 from a 2-lane undivided facility to a 4-lane divided facility and includes the realignment of US 98 between CR 35A to US 301. The realignment allows US 98 to align with the Clinton Avenue (New SR 52) intersection at US 301 and was the results of a separate Alternatives Corridor Evaluation (ACE) study (WPI Segment No. 443368-1). The study will also evaluate issues related to traffic operations, access management, safety, and include pedestrian and bicycle accommodations.

The PD&E study objectives include: determine proposed typical sections and develop preliminary conceptual design plans for proposed improvements, while minimizing impacts to the environment; consider agency and public comments; and ensure project compliance with all applicable federal and state laws. A Type 2 Categorical Exclusion is being prepared as part of this study. The proposed improvements will include construction of stormwater management facility (SMF) and floodplain compensation (FPC) sites. The PD&E study satisfies all applicable requirements, including the National Environmental Policy Act (NEPA), to qualify for federal-aid funding of subsequent development phases (design, right of way acquisition, and construction).

The US 98 widening concept design along US 98 from CR 54 to the US 98 realignment will be comprised of a 4-lane divided rural facility with a 24-foot to 30-foot median centered within the existing 160-foot ROW. There will be two 12-foot travel lanes in each direction with 8-foot (4-foot paved) inside shoulders and ten-foot (5-foot paved) outside shoulders, and roadside ditches with a 3-foot depth and 5-foot bottom width. Roadway runoff will be captured and conveyed via roadside ditches where stormwater runoff will be conveyed to the proposed SMF sites. Offsite runoff will be captured and conveyed via the roadside ditches to its original outfall.

The US 98 realignment concept design along US 98 from north of Townsend Road which is the beginning of the US 98 realignment to the beginning of the urban section on Clinton Avenue will be comprised of a 4-lane divided suburban facility with a 40-foot raised median within the proposed 245-foot ROW. There will be two 12-foot travel lanes in each direction with 4-foot inside shoulders and ten-foot (5-foot paved) outside shoulders. A 6-foot sidewalk is provided on the east side of the roadway and a 12-foot shared use path is provided on the west side of the roadway, and roadside ditches with a 3-foot depth and 5-foot bottom width. The roadside ditches will be utilized to convey the roadway runoff to the stormwater pond. A ditch at the edge of the right-way will be utilized to collect and convey off-site runoff.

The US 98 low speed urban concept design along US 98 from the urban section on Clinton Avenue to US 301 / SR 39 will be comprised of a 4-lane divided urban facility with a 22-foot raised median within a 140-foot ROW. There will be two 11-foot travel lanes in each direction with 7-foot bicycle lanes. A 6-foot sidewalk is provided on the east side of the roadway and a 10-foot shared use path is provided on the west side of the roadway. Roadway runoff will be captured

and conveyed via a closed conveyance system where stormwater runoff will be conveyed by storm drain systems to the proposed SMF sites. Offsite runoff will be captured and conveyed via open channel conveyance.

See **Section 1.2.2 Proposed Improvements** for proposed roadway typical sections.

The purpose of this report is to analyze the appropriate location and size of storm water management facilities and floodplain compensation ponds to account for the increase of storm water runoff due to the proposed roadway expansion. The water quality and quantity parameters for each drainage basin were reviewed and appropriate analysis method was addressed for each watershed. The alternative ponds were selected according to the FDOT Drainage Design Manual and Southwest Florida Water Management District (SWFWMD) permitting criteria. The proposed pond locations were analyzed based on the existing drainage patterns, aerial photos, topographic survey, SCS Soil maps of Pasco Counties, United States Geological Survey (USGS), Property Appraisal websites, FDOT right-of-way maps, and Federal Emergency Management Agency (FEMA) flood maps. Right-of-way costs, environmental impacts, and social impacts are also factored into the locations of the ponds, all of which led to choosing a preferred alternative for each basin. The pond size estimates were based on the difference between pre- and post-development runoff volumes and the required treatment volume for open basins and post-development runoff volumes for closed basins. Drawdown of the proposed retention ponds (closed basin) were modeled to determine the recovery time for the 100-year storm event.

There are nine (9) existing basins which make up this project area, which ultimately outfall to Florida waterbody identification numbers (WBIDs) 1443A (Hillsborough River Waterbody), 1329F (Withlacoochee Hillsborough River Waterbody), WBID 1403B (Clear Lake Outlet Waterbody), and WBID 1445 (Port Lonesome Ditches Waterbody). WBID 1443A is only impaired for dissolved oxygen. Net improvement will not be required for this project since the receiving waterbodies are not impaired for nutrients. Proposed basins were divided to optimize the use of FDOT R/W. There are nine (9) proposed basins as a result. The drainage in Basin 100 is to be done by another consultant under another contract and will be coordinated with District 1. Basin 1000 will not require a stormwater pond; as the proposed improvements do not generate a net increase in impervious area within this basin. Based on meetings with FDOT, the determined approach was to analyze two alternatives for each basin. A total of sixteen (16) alternative pond sites were evaluated for their potential to serve as stormwater management facilities. The recommended pond sites were selected based on hydraulic and environmental considerations as well as preliminary right-of-way cost estimates.

Pond sites were also chosen based on the recommendations presented in a previously submitted memorandum titled “US 98 From S Of Polk County Line to US 301 Polk County Environmental Look Around Evaluation” dated February 2021. Two of these sites were carried over into this Pond Siting Report, ELA S1-6 and ELA S1-9, which are referenced in this report as Ponds 200-1 and 300-1, respectively. These sites were chosen based on their potential to provide treatment, attenuation, and floodplain compensation and were sized to account for areas of direct discharge through the Green Swamp that cannot be routed to a stormwater pond.

Table ES-1 summarizes the recommended pond sites.

Table ES-1 Summary of Recommended Stormwater Pond Areas

Basin #	WBID	Pond Name	Minimum Pond Site Area		Additional R/W Required
			Required (Ac)	Provided (Ac)	
200	1443A, 1445	SMF 200-1	8.19	14.48	Yes
300	1329F, 1443A	SMF 300-1	12.37	13.06	Yes
400	1329F, 1403B	SMF 400-1	1.33	2.57	Yes
500	1329F, 1403B	SMF 500-1	1.01	1.66	Yes
600	1329F, 1403B	SMF 600-2	2.41	3.03	Yes
700	1403B	SMF 700-1	2.01	2.53	Yes
800	1403B	SMF 800-1	4.49	5.48	Yes
900	1403B	SMF 900-1 East	8.18	10.56	Yes
	1403B	SMF 900-1 West	1.91	3.91	Yes
		Total:	**41.90**	**57.28**	

Floodplain compensation will be provided in each watershed where there are impacts to the floodplain by the proposed roadway build-out. Floodplain impacts will be mitigated for in floodplain compensation sites on a cup-for-cup basis. From the available data, including LiDAR, and flood maps, approximate Floodplain Impact (FPI) Areas have been calculated (see **Table ES-2**). The FEMA floodplain Zone A and Zone AE boundaries were used as guidance to establish Base Flood Elevations. Within the project limits along the recommended US 98 alignment, eleven (11) FPI segments have been identified for potential impacts to the 100-year floodplain (Zone A and Zone AE), (see **Appendix 8 Floodplain Impact Map** for floodplain impact areas, and **Appendix 6 Post-Development Drainage Map** for floodplain compensation areas). 100-year floodplain elevations for Zone A locations were assumed to be the same elevation of the adjacent Zone AE 100-year floodplains. It has been determined that existing LiDAR contours adjacent to the floodplains are lower than the FEMA documented 100-year floodplain elevations, therefore additional floodplain impacts will be required to be considered. Additional 100-year floodplain boundaries were based on LiDAR contours with the same Zone AE 100-year floodplain elevations which are directly hydrologically connected to the existing floodplains. Floodplain compensation will be required for any fill within these additional floodplain boundaries. The calculated floodplain compensation area sizes have been increased by 5% to account for increases due to maintenance access and tying into existing ground. Please refer to **Table ES-2** for a summary of the Floodplain Compensation (FPC) Areas and Volumes.

Table ES-2 Summary of Recommended Floodplain Compensation (FPC) Areas

Basin	Side	Floodplain Compensation (FPC) Areas	Flood Zone	BFE (Ft.-NAVD-88)	SHW (Ft.-NAVD-88)	Area of FPC (Acres), 100-yr	Volume of FPC (Ac-Ft), 100-yr	Volume of FPI's (Ac-Ft), 100-yr
300	South	FPC 300-SOUTH-01	A, AE	84.00	78.00	34.36	111.30	102.79 (*)
300	North	FPC 300-NORTH-01	AE	84.00	80.00	5.59	19.62	16.66 (*)
					Total:	**39.95**	**130.92**	**119.45**

(*) Floodplain impacts shown is cumulative for Basin 200 and 300 based on the south and north sides of US 98 respectively.

1. INTRODUCTION

1.1. Project Intent

The objective of the PD&E study is to assist the FDOT's Office of Environmental Management (OEM) in reaching a decision on the type, location, and conceptual design of the proposed improvements for the widening of US 98, including stormwater management facility (SMF) and floodplain compensation (FPC) sites. This study documents the need for the improvements as well as the procedures utilized to develop and evaluate various improvements, including elements such as proposed typical sections, preliminary horizontal alignments, and intersection enhancement alternatives.

The PD&E study satisfies all applicable requirements, including the National Environmental Policy Act (NEPA), to qualify for federal-aid funding of subsequent development phases (design, right of way acquisition, and construction). This project was screened through the FDOT's Efficient Transportation Decision Making (ETDM) process as ETDM Project No. 14374. The ETDM Programming Screen Summary Report was published on February 24, 2021, containing comments from the Environmental Technical Advisory Team (ETAT) on the project's effects on various natural, physical, and social resources. A Type 2 Categorical Exclusion will be prepared as part of this PD&E study.

The purpose of this report is to analyze the appropriate location and size of storm water management facilities and floodplain compensation ponds to account for the increase of storm water runoff due to the proposed roadway expansion. The Pond Siting Report (PSR) assesses the stormwater management needs within the project limits necessary to meet permitting requirements for the approved concept design. Additionally, this report evaluates engineering and environmental data and documents information that will aid FDOT in determining the design of the proposed multi-lane improvements. This report identifies Stormwater Management Facility (SMF) and floodplain compensation (FPC) alternatives and recommends preferred locations that are hydraulically feasible and environmentally permittable based on the best available information. Costs, environmental impacts, and historical impacts were used to rate each proposed alternative. The study is being conducted to meet the requirements of the National Environmental Policy Act (NEPA) and other related federal and state laws, rules and regulations.

1.2. Project Description

This project involves approximately 8.8 miles of roadway widening and realignment improvements to US 98 in Pasco County. See project limits as depicted on **Appendix 1 Project Location Map**. The purpose of the proposed widening improvements is to accommodate the existing traffic along with the projected traffic generated by the planned development along the corridor. This need is reinforced through a better understanding of regional planning initiatives to foster economic progress, job growth, and supporting increases in population within the region. Additional roadway capacity will accommodate future roadway traffic volumes, improve roadway safety, increase emergency evacuation capabilities, and enhance bicycle and pedestrian facilities along the corridor.

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1.2.1. Existing Facility

The project area is located along US 98 (SR 700) from CR 54 to US 301 / SR 39 in Pasco County. The project length is approximately 8.8 miles. The proposed project is located within the Pasco County, Florida in Sections 11, 12, 13, 14, 18, 19, 20, 27, 28, 29, 34, and 35 of T25S, R21E; and Section 2 of T26S, R22E. The datum used in this report is NAVD-88. US 98 is primarily a north/south rural principal arterial. Refer to **Appendix 2 Straight Line Diagrams** for project limits on the SLD US 98, Roadway ID 14070000 and 14050000.

The existing typical section along US 98 from CR 54 to north of Townsend Road consists of a two-lane rural roadway with no water quality treatment or attenuation. The existing typical section contains two 12-ft travel lanes and 2-ft outside paved shoulders.

The existing area where the realignment is proposed consists mostly of agricultural and residential parcels.

The existing typical section of Clinton Ave (rural section), which connects the US 98 realignment area to the Clinton Ave (urban section) contains two 12-ft travel lanes and 6-ft outside unpaved shoulders.

The existing typical section from Clinton Ave (urban section), which connects the Clinton Avenue rural section to US 301/ SR 39 contains four 12-ft travel lanes, 2-ft outside paved shoulders, a traffic median, type f curb and gutter, and 5-ft sidewalks (RT and LT).

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1.2.2. Proposed Improvements

The US 98 widening concept design along US 98 from CR 54 to the US 98 realignment will be comprised of a 4-lane divided rural facility with a 24 to 30-foot median centered within the existing 160-foot ROW. There will be two 12-foot travel lanes in each direction with 8-foot (4-foot paved) inside shoulders and ten-foot (5-foot paved) outside shoulders, and roadside ditches with a 3-foot depth and 5-foot bottom width. Roadway runoff will be captured and conveyed via roadside ditches where stormwater runoff will be conveyed to the proposed SMF sites. Offsite runoff will be captured and conveyed via the roadside ditches to its original outfall. See **Figure 1-1** for the proposed US 98 widening (4-Lane, 24-foot to 30-foot median, with roadside ditches) Typical Roadway Section.

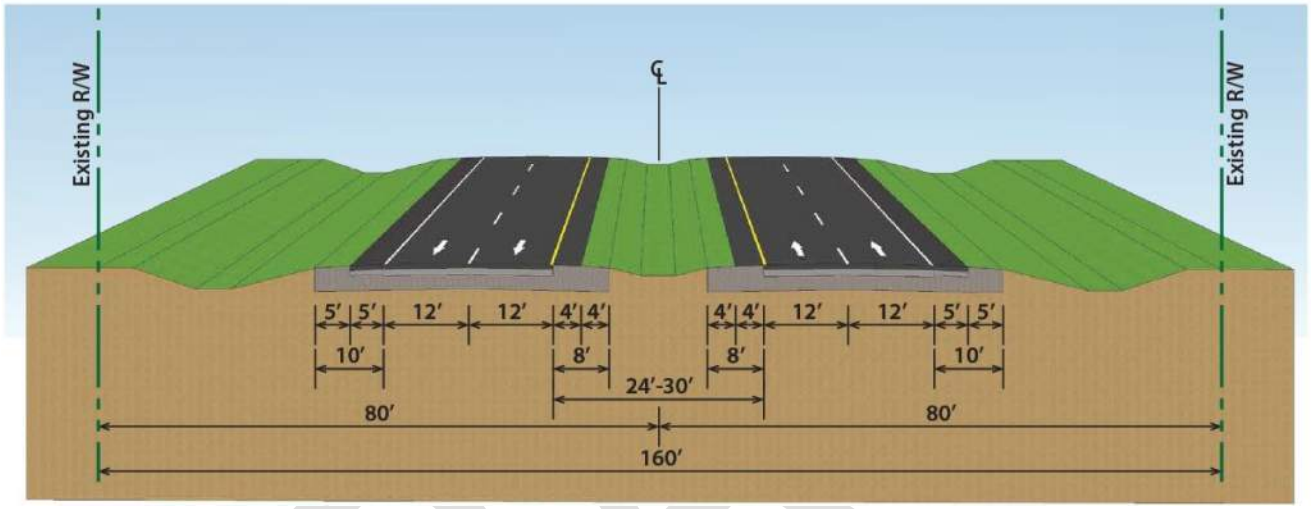

Figure 1-1 US 98 Widening (4-Lane, 24-foot to 30-foot median, with roadside ditches) Typical Roadway Section 1

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The US 98 realignment concept design along US 98 from north of Townsend Road to the beginning of the urban section on Clinton Avenue will be comprised of a 4-lane divided suburban facility with a 40-foot raised median within the proposed 245-foot ROW. There will be two 12-foot travel lanes in each direction with 4-foot inside shoulders and ten-foot (5-foot paved) outside shoulders. A 6-foot sidewalk is provided on the east side of the roadway and a 12-foot shared use path is provided on the west side of the roadway, and roadside ditches with a 3-foot depth and 5-foot bottom width. The roadside ditches will be utilized to convey the roadway runoff to the stormwater pond. A ditch at the edge of the right-way will be utilized to collect and convey off-site runoff. See **Figure 1-2** for the proposed US 98 Realignment Typical Roadway Section.

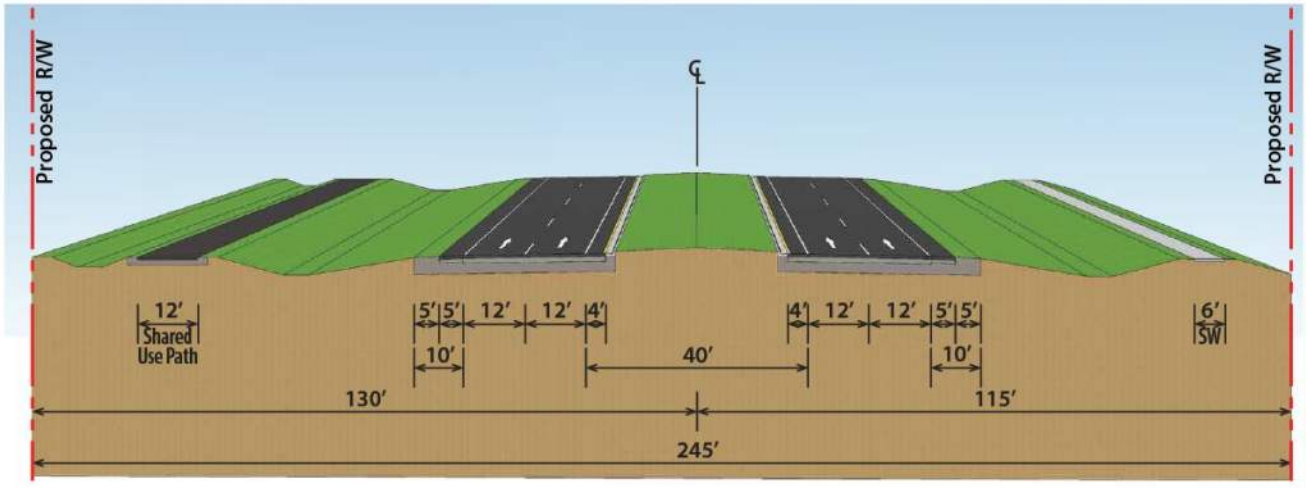

Figure 1-2 US 98 Realignment Typical Roadway Section 2

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The US 98 low speed urban concept design along US 98 from the urban section on Clinton Avenue to US 301 / SR 39 will be comprised of a 4-lane divided urban facility with a 22-foot raised median within a 140-foot ROW. There will be two 11-foot travel lanes in each direction with 7-foot bicycle lanes. A 6-foot sidewalk is provided on the east side of the roadway and a 10-foot shared use path is provided on the west side of the roadway. Roadway runoff will be captured and conveyed via a closed conveyance system where stormwater runoff will be conveyed by storm drain systems to the proposed SMF sites. Offsite runoff will be captured and conveyed via open channel conveyance. See **Figure 1-3** for the proposed US 98 Urban Typical Roadway Section which will be utilized from Cindy Lane to US 301 along Clinton Avenue.

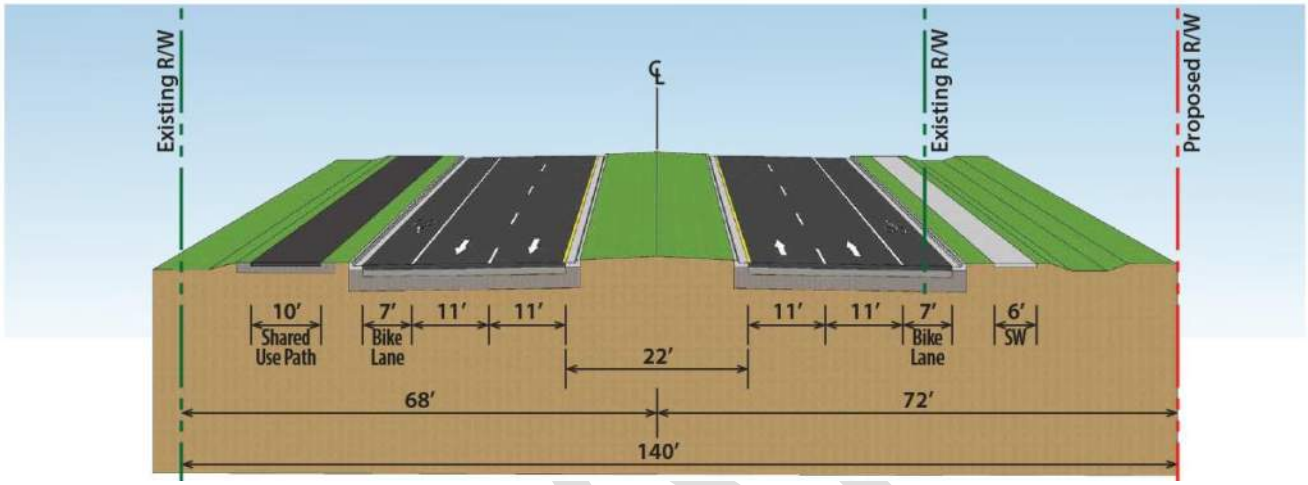

Figure 1-3 US 98 Urban Typical Roadway Section 3

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Figure 1-4 identifies the schematic limits of Typical Sections 1 through 3.

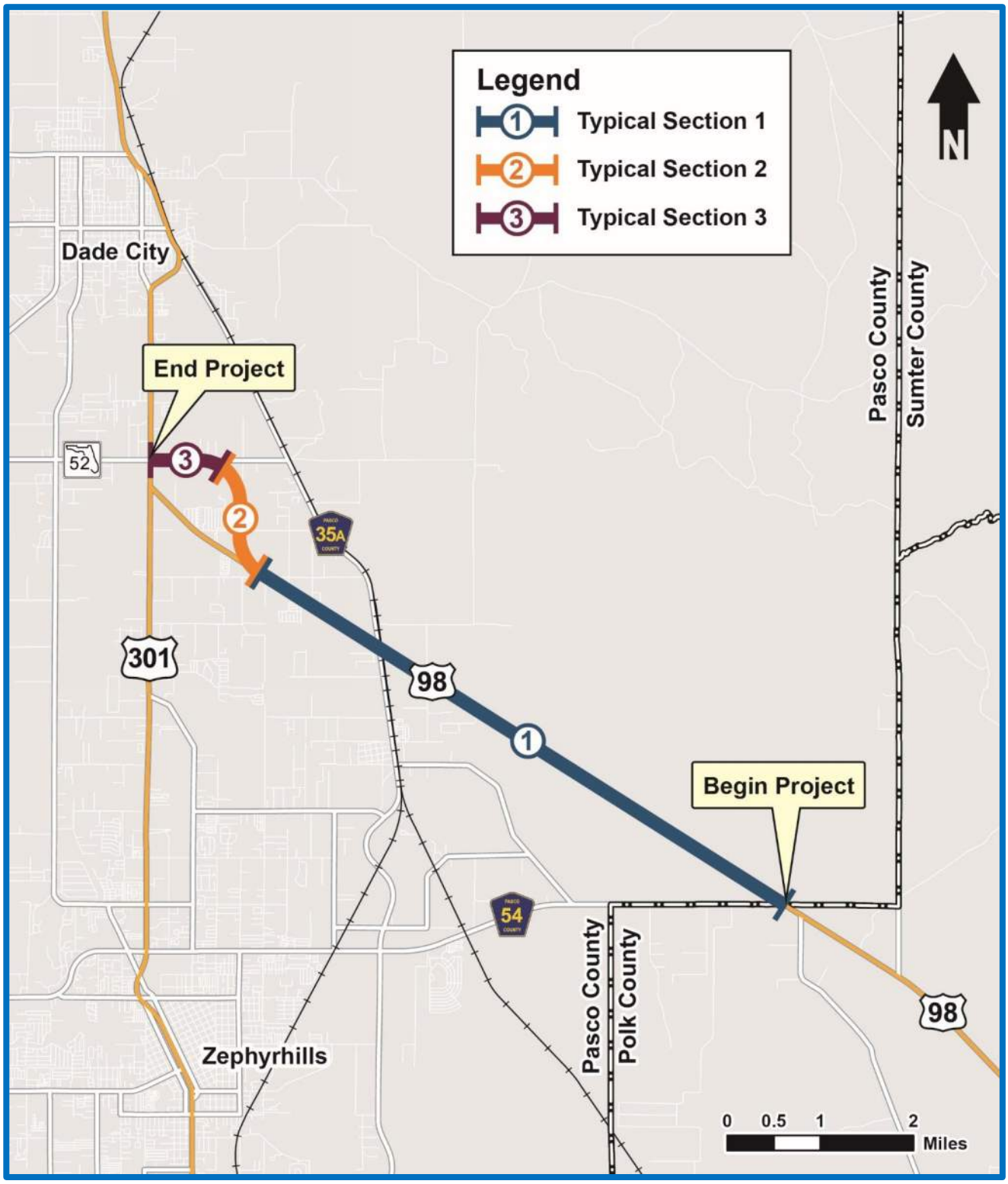

Figure 1-4 Typical Section Limits Map

At both the Hillsborough River and Old Lakeland Highway / CSX Railroad locations, the bridges will be replaced with twin bridges with two 12-foot travel lanes with 6-foot inside shoulders and 10-foot outside shoulders. Both bridges will include barrier separated 10-foot walkway to accommodate future shared use path and/or sidewalk (bicycle and pedestrian) accommodations. The bridges will be located within the existing 160-foot ROW. The proposed bridge typical section is provided in **Figure 1-5**.

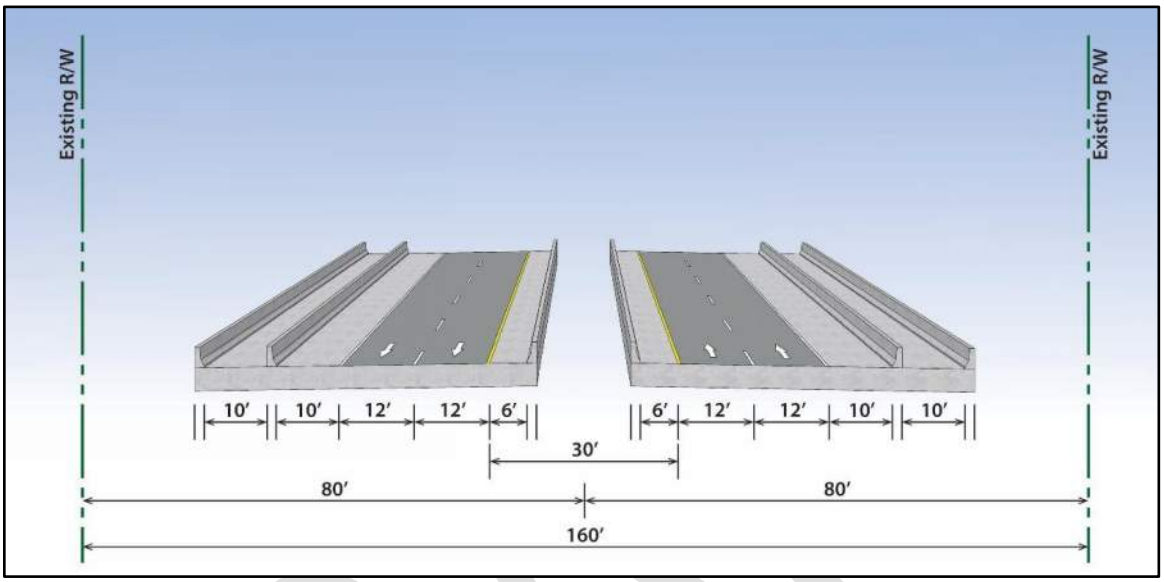

Figure 1-5 Proposed Bridge Typical Section

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2. DATA COLLECTION

Data has been collected and reviewed from the following sources:

- FDOT Drainage Manual, January 2021.
- FDOT Drainage Design Guide – Chapter 2 Hydrology, Chapter 4 Culvert, and Chapter 9 Stormwater Management Facility, January 2021.
- US 98 - FDOT Straight Line Diagrams of Road Inventory, Pasco County.
- SWFWMD ERP Handbook, June 2018.
- Pasco County Property Appraiser's Website (parcel lines) (accessed 08/12/2019).
- Federal Emergency Management Agency (FEMA), Panel Nos. 12105C0025G for Pasco County, Florida dated December 22, 2016.
- Federal Emergency Management Agency (FEMA), Panel Nos. 12101C0315F, 12101C0295F, 12101C0285F for Pasco County, Florida dated September 26, 2014.
- USDA NRCS Custom Soil Resource Report for Pasco County, Florida.
- SWFWMD LiDAR, elevations area based upon the vertical datum: North American Vertical Datum (NAVD) 88, GEOID03 and horizontal coordinates: Florida State Plane West (FIPS Zone 0902) North American Datum (NAD) 83 measured in US survey feet.
- Existing Southwest Florida Water Management District (SWFWMD) Permits:
    - Boarshead Ranch Mitigation Bank, Phase I, SWFWMD ERP Permit No. 43040444.
    - Clinton Corner Subdivision, SWFWMD ERP Individual Permit No. 43044829.000, Plans and Drainage Documentation, September 2020.
    - Clinton Avenue between U.S. 301 & S.R. 35A, SWFWMD ERP General Permit No. 406604.00, Plans and Drainage Documentation, December 1989.
- Future Development (currently in the planning phase)
    - The Crossroads-Planned Development Residential

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3. PERMITTING & DESIGN CRITERIA

3.1. Permitting

The design of the stormwater management facilities for the project is governed by the rules set forth by the SWFWMD and FDOT. An Environmental Resource Permit will need to be acquired from the Water Management District during the design phase of the project, in addition to authorization from Federal Department of Environmental Protection (FDEP) for Section 404 of the federal Clean Water Act. EPA requires a Notice of Intent (NOI) for construction under the State of Florida General Permit for the National Pollutant Discharge Elimination System (NPDES) for construction impacts greater than one acre. This NOI will require a site-specific pollution prevention plan that incorporates current FDOT standards. SWFWMD Pre-Application meeting notes can be found in **Appendix 15**.

3.2. Design Criteria

Wet detention, dry retention (open basin), and dry retention (closed basin) ponds will provide the necessary water quality improvements as well as water quantity attenuation for the project runoff. The stormwater ponds are designed and sized to meet FDOT and SWFWMD requirements based on the best available LiDAR information, soil survey maps, and existing permits, as well as conservative design assumptions. As part of the Pond Siting Report, the calculated pond sizes have been increased to be conservative at this time for the Pond Siting Report to account for potential increases during the design phase. Additionally, the right-of-way was estimated to maintain a buffer to ensure that berms would tie down to the existing grade. Pond control elevations for Basins 200 to 300 were based on the SHW established in the Geotechnical Exploration Data Report – Roadway (prepared by Test Lab, Inc. dated July 25, 2021). Pond control elevations for Basins 400 to 900 were based on the depth to water table (referenced from Pasco County Soil Survey). Therefore, the pond control elevations in Basins 400 to 900 were established using the LiDAR contours minus the depth to water table. Drawdown for treatment in dry ponds will be analyzed using the permeability rates from the Pasco County Soil Survey. The engineer shall coordinate with the geotechnical engineer to address any potential seepage concerns created by the proposed ponds.

Wet Detention Ponds:

Water Quality – Wet detention shall be provided for the first inch (1.0”) of runoff from the impervious area from the new and existing impervious. In addition, basins discharging directly into Outstanding Florida Waters (OFW) shall be required to provide an additional 50 percent more treatment volume (refer to **Table 4-2 WBID and OFW Summary** for basins which discharge to an OFW). Total treatment volume shall be discharged in no less than 120 hours with no more than one-half the total volume being discharged within the first 60 hours. Only the volume available within 36 hours is counted as part of the volume required for water quantity storage.

Water Quantity – The 25-year 24-hour storm was used as directed by the FDOT Drainage Design Manual (refer to Chapter 5 Stormwater Management-5.2 Regulatory Requirements: 5.2.1 Chapter 14-86 Florida Administration Code, 5.2.2 Section 373.4596 Florida Statues, 5.4.1.2 Watershed with Positive Outlets). The 25-year 24-hour storm will be used for SWFWMD permitting based on the SWFWMD ERP handbook. Each pond is to be designed to attenuate runoff below pre-development conditions using the NRCS method. See **Appendix 12** for rainfall amounts.

Wet Detention Pond Facilities Configuration – The proposed ponds shall include a 20-foot maintenance berm width, minimum 1:4 (Vertical: Horizontal) for pond side slopes and tie up/down slopes to existing ground, and a minimum 1-foot freeboard from the inside maintenance berm to the Design High Water (DHW) stage. The treatment volume should not cause the pond level to rise more than 18 inches above the control elevation. The wet detention water quality systems shall be designed so that each SMF has a size of a minimum 100-foot width by 200-foot length. Wet ponds shall have a minimum permanent pool of 6-feet and a mean depth of 2 to 8 feet.

Dry Retention Ponds (Open Basin):

Water Quality – Dry retention shall be provided for the first half inch (0.5”) of runoff from the impervious area from the new and existing roadways. In addition, basins discharging directly into Outstanding Florida Waters (OFW) shall be required to provide an additional 50 percent more treatment volume (refer to **Table 4-2 WBID and OFW Summary** for basins which discharge to an OFW). Total treatment volume shall be available within 72 hours, with only the volume available within 36 hours counted towards the volume required for water quantity storage.

Water Quantity – The 25-year 24-hour storm was used as directed by the FDOT Drainage Design Manual (refer to Chapter 5 Stormwater Management-5.2 Regulatory Requirements: 5.2.1 Chapter 14-86 Florida Administration Code, 5.2.2 Section 373.4596 Florida Statues, 5.4.1.2 Watershed with Positive Outlets). The 25-year 24-hour storm will be used for SWFWMD permitting based on the SWFWMD ERP handbook. Each pond was designed to attenuate runoff below pre-development conditions NRCS method. See **Appendix 12** for rainfall amounts.

Dry Retention Pond Facilities Configuration – The proposed ponds shall include a 20-foot maintenance berm width, minimum 1:4 (Vertical: Horizontal) pond side slopes and tie up/down slopes to existing ground, and a minimum 1-foot freeboard from the inside maintenance berm to the Design High Water (DHW) stage.

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Dry Retention Ponds (Closed Basin):

Water Quality – Dry retention shall be provided for the first half inch (0.5") of runoff from the impervious area from the new and existing roadways. Total treatment shall be available within 72 hours, with only the volume available within 36 hours counted towards the volume required for water quantity storage.

Water Quantity – The 100-year 24-hour storm was used as directed by the FDOT Drainage Design Manual (refer to Chapter 5 Stormwater Management-5.2 Regulatory Requirements: 5.2.1 Chapter 14-86 Florida Administration Code, 5.2.2 Section 373.4596 Florida Statues, 5.4.1.2 Watershed without Positive Outlets). The 25-year 24-hour storm will be used for SWFWMD permitting based on the SWFWMD ERP handbook. Each pond was designed to attenuate runoff below pre-development conditions NRCS method for the 100-year 24-hour storm. See **Appendix 12** for rainfall amounts. See **Section 4.3 Closed Basins** for a list of the closed basins.

Proposed dry retention ponds in closed basins will not have a control structure and will be designed to contain the 100-year storm event.

ICPR will be used to evaluate the drawdown of the 100-year storm event stormwater runoff in the dry retention ponds. A slug load analysis was evaluated to show recovery of the retained volume in the pond. The retention volume must recover at a rate such that one-half of the volume is available in seven days, with the total volume available in 30 days.

Dry Retention Pond Facilities Configuration – The proposed ponds shall include a 20-foot maintenance berm width, minimum 1:4 (Vertical: Horizontal) pond side slopes and tie up/down slopes to existing ground, and a minimum 1-foot freeboard from the inside maintenance berm to the Design High Water (DHW) stage.

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4. EXISTING DRAINAGE CONDITIONS

4.1. Topography & Hydrologic Features

The topography of the project area is relatively flat, with a majority of the project draining towards the Hillsborough River and Withlacoochee River, see **Appendix 3 USGS Quadrangle Map**. Elevations range from a high of approximately 160.00-feet to a low of 74.50-feet based on the LiDAR contours. The runoff ultimately outfalls to Florida waterbody identification numbers WBID 1443A (Hillsborough River Waterbody), WBID 1329F (Withlacoochee Waterbody), WBID 1403B (Clear Lake Outlet Waterbody) and WBID 1445 (Port Lonesome Waterbody). Existing land use along the corridor has been reviewed and used when developing the curve numbers. See **Appendix 18** for the **Land Use Map** for existing land uses.

There are nine (9) existing cross drains and two (2) bridges within the project limits. Runoff is typically divided from the roadway crown and conveyed by roadside ditches and side drains to project low points.

The existing drainage boundaries will be mostly maintained in the future condition. The size and geometry of all cross drains have been verified from the FDOT SLD's and during field reconnaissance. See **Appendix 5 Pre-development Drainage Maps** for Cross Drain Locations and **Table 4-1** for a Summary of Existing Cross Drains and **Table 4-2** for a Summary of Existing Bridges.

Table 4-1 Summary of Existing Cross Drains

Structure Number	Station (US 98)	US 98 Mile Marker	Description
CD-01	963+10	0.567	Single 10' x 8' CBC (For cattle crossing, not for stormwater conveyance)
CD-02	1111+04	3.361	Double 36" RCP
CD-03	1130+00	3.719	Single 10' x 8' CBC (For cattle crossing, not for stormwater conveyance)
CD-04	1139+03	3.888	Single 36" RCP
CD-05	1236+01	5.725	Single 36" RCP
CD-06	1296+23	6.875	Single 30" RCP
CD-07	1360+28	N/A, on Clinton Ave	Single 30" RCP
CD-08	1390+29	N/A, on Clinton Ave	Single 36" RCP
CD-09	1393+22	N/A, on Clinton Ave	Single 36" RCP

Cross drains "CD-01" and "CD-03" are used for cattle crossings only and do not provide stormwater conveyance through these structures. Cross drains "CD-01" and "CD-03" will be removed since the cattle crossings are no longer used.

Table 4-2 Summary of Existing Bridges

Structure Number	Structure Number from SLD	Station	US 98 Mile Marker	Description
BR-01	0024	1018+44 (US 98)	1.589 to 1.627	200.6-foot Bridge (Over the Hillsborough River)
BR-02	0025	1203+78 (US 98)	5.101 to 5.170	364.3-foot Bridge (Over the CSX railroad and Old Lakeland Highway)

The basin limits shown in **Appendix 5 – Pre-development Drainage Maps** are described as follows:

4.1.1. Basin 100

This basin extends from Station 929+50 to CR54 (Sta 934+33). The drainage for this segment is to be done by another consultant under another contract and will be coordinated with District 1.

4.1.2. Basin 200

This basin extends from the CR 54 (Sta. 934+33) north to the bridge at the Hillsborough River (Sta. 1018+42) along US 98. The north side is currently within a SWFWMD conservation easement. The south side is mixed with uses consisting of vacant parcels and a few developed residential lots (Sta. 934+33 to Sta. 990+62 on the south side). This basin also consists of green swamp which includes wetlands and low-lying areas (Sta. 990+62 to Sta. 1018+42 on the north side, and Sta. 983+70 to Sta. 1018+42 on the south side). US 98 and the adjacent properties are relatively flat. Existing runoff is collected in the roadside ditches (LT and RT) and conveyed to the Hillsborough River. Existing sidedrains are at driveway locations to allow for positive flow in the roadside ditches. There is an existing cross drain (CD-01) consisting of a single 10' x 8' CBC for cattle crossing that is no longer utilized. This cross drain is not used for stormwater conveyance. When the runoff is within green swamp the general flow moves downstream within the Hillsborough River (flow is to the southwest). There is an existing 200.6-foot long bridge over the Hillsborough River that divides Basin 200 and Basin 300.

4.1.3. Basin 300

This basin extends from the bridge over the Hillsborough River (Sta. 1018+42) to north of Janmar Road (Sta. 1184+00) along US 98. The north side is currently within a SWFWMD conservation easement from the Hillsborough River (Sta. 1018+42) to Sta. 1121+88. This basin also consists of green swamp which includes wetlands and low-lying areas (Sta. 1018+42 to Sta. 1120+80 on the north side, and Sta.1018+42 to Sta. 1118+24 on the south side). The basin also consists of mixed uses consisting of vacant parcels and a few developed residential lots (Sta. 1120+80 to Sta. 1184+00 on the north side, and Sta. 1118+24 to Sta. 1184+00 on the south side). Runoff from the crown of US 98 flows into the green swamp (north and south sides respectively). When the runoff is within green swamp the general flow moves downstream within the Hillsborough River (flow is to the southwest) and Withlacoochee

River (flow is to the north) Waterbodies respectively. There is an existing cross drain (CD-02) consisting of a double 36" RCP which connects the south green swamp low lying area to the north green swamp low lying area (as this is part of the Withlacoochee River Basin). There is an existing cross drain (CD-03) consisting of a single 10' x 8' CBC for cattle crossing that is no longer utilized. There is an existing cross drain (CD-04) consisting of a 36" RCP which connects the south green swamp low lying area to the north green swamp low lying area. Existing runoff is collected in the roadside ditches (LT and RT) north of the green swamp and conveyed to the Hillsborough River and Withlacoochee River respectively. Existing side drains are at driveway locations to allow for positive flow in the roadside ditches.

4.1.4. Basin 400

This basin extends from north of Janmar Road (Sta. 1184+00) to Old Lake Highway (Sta. 1203+78) along US 98. The basin consists mostly of vacant parcels and a railroad. Runoff from the crown of US 98 flows into the adjacent roadside ditch (north and south sides respectively). Shoulder gutters are used from (Sta. 1197+48 to Sta. 1203+78) where runoff is collected into inlets. The runoff is conveyed via the roadside ditches (LT and RT) to low areas located just east of the railroad (where the railroad acts as a divide between Basins 400 and 500).

4.1.5. Basin 500

This basin extends from Old Lake Highway (Sta. 1203+78) north to Sta. 1224+53 along US 98. The basin is mixed with land uses consisting of developed residential (Sta. 1218+55 to Sta. 1224+53 on the north side, and Sta. 1203+78 to Sta. 1209+24 on the south side) and commercial parcels (Sta.1207+33 to Sta. 1218+55 on the north side, and Sta.1209+24 to Sta. 1224+53 on the south side). Runoff from the crown of US 98 flows into the adjacent roadside ditch (north and south sides respectively). Shoulder gutters are used from (Sta. 1203+78 to Sta. 1209+76) where runoff is collected into inlets. The runoff is conveyed via the roadside ditches (LT and RT) to low areas located just north of Old Lake Highway (north and south of US 98 respectively).

4.1.6. Basin 600

This basin extends from Sta. 1224+53 along US 98 north to Beckum Road (Sta. 1250+64) along US 98. The basin is mixed with land uses consisting of vacant parcels and a few developed residential lots. US 98 and the adjacent properties are relatively flat. Existing runoff is collected in the roadside ditches (LT and RT). Existing side drains are at driveway locations to allow for positive flow in the roadside ditches. Runoff in the north side roadway ditch is conveyed to the existing cross drain (CD-05) where it is then conveyed through the cross drain and flows to the south along with the runoff from the south side of US 98.

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4.1.7. Basin 700

This basin extends from Beckum Road (Sta. 1250+64) north to north of Townsend Road (Sta. 1286+23) along US 98. The basin is mixed with land uses consisting of vacant parcels and a few developed residential lots. US 98 and the adjacent properties are relatively flat. The runoff is conveyed via the roadside ditches (LT and RT) to low areas located at Sta. 1267+00 on the south side of US 98 and Sta. 1256+00 on the north side of US 98. Existing side drains are at driveway locations to allow for positive flow in the roadside ditches. From the low areas in the ditches the runoff flows to the north and south respectively.

4.1.8. Basin 800

This basin extends from north of Townsend Road (Sta. 1286+23) to Sta. 1313+45. The basin consists of vacant and agricultural parcels. The runoff is conveyed to a low-lying area of this basin at Sta. 1299+24.62. The runoff then flows to the east to existing depressional areas where it does not have an outfall.

4.1.9. Basin 900

This basin extends from Sta. 1313+45 to Sta. 1381+33 for the US 98 realignment. The basin is mixed with land uses consisting of agricultural and a few developed residential lots. The runoff is conveyed to a low-lying area of this basin at Sta. 1339+00. The runoff then flows to the east to existing depressional area where it does not have an outfall.

The basin also consists of Clinton Avenue, a rural two-lane roadway (Sta. 1364+19 to Sta. 1393+74). Existing Clinton Avenue runoff is collected in the roadside ditches (LT and RT) and conveyed to the low-lying area. Existing side drains are at driveway locations to allow for positive flow in the roadside ditches. CD-09 allows the runoff to be conveyed from the north side of Clinton Avenue to the south, and then flows to the low lying depressional area just south of this cross drain.

4.1.10. Basin 1000

This basin extends from Sta. 1381+33 to Sta. 1393+74. The project will tie into the east side of US 301. This basin consists of Clinton Ave, an urban 4 lane roadway, with type F curb and gutter, a traffic median, and sidewalk (RT and LT). This section of roadway also consists of a closed conveyance system (stormwater inlets and pipes) which flow to the west.

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4.2. WBID and Outstanding Florida Waters

The FDEP statewide comprehensive verified list of impaired waters has been reviewed, and it has been identified that WBID 1443A (Hillsborough River Waterbody) is impaired for dissolved oxygen. WBID 1329F (Withlacoochee Waterbody), WBID 1403B (Clear Lake Outlet Waterbody) and WBID 1445 (Port Lonesome Ditches Waterbody) are not impaired. Net improvements will not be required for this project due to none of the receiving waterbodies being impaired for nutrients. Project drainage basins (200 & 300) within the Hillsborough River and Withlacoochee River waterbodies outfall directly to Outstanding Florida Waters (OFWs). See **Table 4-3 WBID and OFW Summary** for basins within an OFW. Project drainage basins within the Clear Lake Outlet waterbody do not outfall directly to Outstanding Florida Waters (OFWs).

Table 4-3 WBID and OFW Summary

Basin #	WBID	Impairment	OFW (yes/no), OFW Waterbody
200	1443A, 1445	Dissolved Oxygen (for 1443A)	Yes Hillsborough River Waterbody
300	1329F,1443A	Dissolved Oxygen (for 1443A)	Yes Hillsborough River Waterbody, Withlacoochee River Waterbody
400	1329F, 1403B	None	Yes Withlacoochee River Waterbody, but not directly discharged to.
500	1329F, 1403B	None	Yes Withlacoochee River Waterbody, but not directly discharged to.
600	1329F	None	Yes Withlacoochee River Waterbody, but not directly discharged to.
700	1329F, 1403B	None	Yes Withlacoochee River Waterbody, but not directly discharged to.
800	1403B	None	No
900	1403B	None	No
1000	1403B	None	No

4.3. Tailwater

FEMA 100-year floodplain elevations for the Hillsborough River and Withlacoochee River will be used for the 25-year tailwater conditions for Basins 200 and 300. Basins 400, 500, 600, and 700 are not tailwater controlled as these basins are predominately at the upper end of their respective waterbody (and allow for a free-flowing condition), therefore the tailwater will be set at the crown of the outlet pipes. Basins 800 and 900 are proposed to have dry retention (closed basin) ponds with no outfall, therefore a tailwater determination for these basins will not be required.

4.4. Conservation Easements

The project is adjacent to existing conservation easements including SWFWMD owned land and Boarshead Ranch Mitigation Bank. **See Appendix 11 Conservation Easement Map** for location of existing conservation easements. Ponds and floodplain compensation are not proposed to be within an existing conservation easement.

4.5. Closed Basins

Basins 800 and 900 are within closed basins and will be designed to retain the 100-year storm event's stormwater runoff. ICPR will be used to evaluate the drawdown of the 100-year storm event stormwater runoff in dry retention ponds for Basin 800 and 900. This will ensure that no downstream flooding will occur as a result of the proposed improvements.

4.6. Soils Data

A Custom Soil Resource Report for Pasco County, Florida has been prepared utilizing the USDA NRCS Web Soil Survey and has been reviewed for the project vicinity. The soil map for the project vicinity is included in this report in **Appendix 4**.

The soils encountered along the project limits are mostly Hydrological Soil Group (HSG) B/D (within the US 98 R/W from CR 54 to south side of Green Swamp), Hydrological Soil Group (HSG) C/D (within the US 98 R/W within the Green Swamp limits) and Hydrological Soil Group (HSG) A (from north of Green Swamp to the US 98 and Clinton Avenue intersection).

Group B/D soils have high runoff potential. They have very low infiltration rates when thoroughly wetted and consist of clay soils with a high swelling potential, soils with a permanent high-water table, soils with a claypan or clay layer at or near the surface, and shallow soils over nearly impervious material. These soils have a very low rate of water transmission.

Group C/D soils have high runoff potential. They have very low infiltration rates when thoroughly wetted and consist of clay soils with a high swelling potential, soils with a permanent high-water table, soils with a claypan or clay layer at or near the surface, and shallow soils over nearly impervious material. These soils have a very low rate of water transmission.

Group A soils have low runoff potential and high infiltration rates even when thoroughly wetted. They consist of deep, well to excessively drained sand or gravel and have a high rate of water transmission.

For this report, no geotechnical information for the pond sites was available. Therefore, the NRCS Soil maps for Pasco County were used to determine the types of soils and the estimated depth to groundwater. To establish an estimated SHWT for the project area, Soil Survey, existing permit information, adjacent wetland lines and adjacent roadway borings were used. The establishment of an accurate SHWT is critical to the proper design of a stormwater management facility. Thus, it is recommended that a geotechnical investigation be performed at each proposed site to accurately determine the soil type and depth to groundwater during the design phase.

According to the Soil Resource Report, there are fifteen (15) different soil types located throughout the project limits. **Table 4-4: Soil Resource Report Information Summary** lists the major soil types and relevant information. The groundwater depth varies from 2.0-feet above existing ground to more than 6.0-feet below existing ground throughout the project.

Table 4-4 Soil Resource Report Information Summary

Pasco County				
Soil No.	USDA Soil Name	Water Table		HSG
		Depth (feet)	Frequency of flooding/ponding	
2	Pomona Fine Sand	0.0-1.0	None/None	B/D
5	Myakka, Wet, fine sands, 0 to 2 percent slopes	0.0-1.0	None/None	A/D
6	Tavares Sand, 0 to 5 percent slopes	3.5-6.0	None/None	A
7	Sparr fine sand, 0 to 5 percent slopes	1.5-3.5	None/None	A/D
8	Sellers mucky loamy fine sand	(+) 2.0-0.0	None/Frequent	A/D
13	Candler fine sand, 0 to 5 percent slopes	>6.0	None/None	A
16	Zephyr Muck	(+) 2.0-1.0	None/Frequent	C/D
28	Pits	N/A	None/None	-
32	Lake fine sand, 0 to 5 percent slopes	>6.0	None/None	A
35	EauGallie fine sand	0.0-1.0	None/None	A
39	Chobee soils, frequently flooded	0.0-1.0	Frequent/None	C/D
43	Arredondo fine sand, 0 to 5 percent slopes	>6.0	None/None	A
45	Kendrick fine sand, 0 to 5 percent slopes	>6.0	None/None	A
72	Orlando fine sand, 0 to 5 percent slopes	>6.0	None/None	A
99	Water	0.00	None/None	-

Geotechnical Exploration Data Reports (for Roadway and Structures) were prepared by Test Lab, Inc. and are included in this report in **Appendix 19**. This report established SHWT elevations higher than what would have been established for Basin 200 and Basin 300 per the Pasco County Soil Survey. Approximated SHWT were developed from the geotechnical report for SMF 200-1, SMF 200-2, SMF 300-1, SMF 300-2, and floodplain impact and compensation for Basin 200 and Basin 300.

SMF 200-1's approximated SHWT is 83.00, which is based on boring B-23 elevation 84.0, boring B-25 elevation 82.8, and the adjacent 100-year floodplain elevation being 84.00. SMF 200-2's approximated SHWT is 85.00, which is based on boring B-17 elevation 85.20, boring B-19 elevation 85.4, and the adjacent 100-year floodplain elevation of 84.00.

SMF 300-1's approximated SHWT is 80.00, which is based on boring B-71 elevation 79.9, boring B-75 elevation 77.9, and the adjacent 100-year floodplain elevation being 84.00. SMF 200-2's approximated SHWT is 80.00, which is based on boring B-77 elevation 77.9, boring B-81 elevation 79.7, boring B-83 elevation 78.0, and the adjacent 100-year floodplain elevation of 84.00.

For calculating floodplain impact and compensation, the SHWT used for Basin 200 and Basin 300 in the green swamp is approximated to be 80.00, which is based on the elevations of Borings B-25 to B-74 range from 79.9 to 82.9 and the adjacent 100-year floodplain elevation of 84.00. For calculating floodplain impact and compensation for a low area in Basin 300 in the green swamp the SHWT was approximated to be 78.00, which is based on (the elevations of Borings B-75 to B-83 range from 75.6 to 81.8. and the adjacent 100-year floodplain elevation of 84.00).

4.7. Floodplains

According to FEMA, the relevant FIRM panel numbers are 12105C0025G for Polk County, Florida dated December 22, 2016, and 12101C0315F, 12101C0295F, 12101C0285F for Pasco County, Florida dated September 26, 2014. The corridor is mixed between areas within and outside of Zone 'A' and Zone 'AE'. Zone 'A' has a 1% probability of flooding every year (100-year floodplain) and no base flood elevations have been established. Zone 'AE' has a 1% probability of flooding every year (100-year floodplain) but has no established base flood elevation. Refer to **Appendix 7 FEMA FIRM Maps** for the FEMA Flood Insurance Rate Maps and BFE.

It should be noted that a 100-year floodplain elevation of 82.00 is shown on the south side of US 98 in the green swamp area on the FEMA Flood Insurance Rate Maps. Geotechnical Borings B-25 to B-73 range have an estimated SHWT from 79.9 to 82.9, which means the 100-year flood elevation would be below the SHWT. It should be noted that a 100-year floodplain elevation of 84.00 is shown on the north side of US 98 in the green swamp area on the FEMA Flood Insurance Rate Maps and the Hillsborough Bridge hydraulically connects the green swamp from north to south. Per a SWFWMD pre-application meeting (July 29, 2021) it was agreed that a 100-year floodplain elevation of 84.00 could be used for the south side of US 98 for floodplain impact and compensation calculations.

Table 4-5 Summary of Floodplain Impact Areas

Basin	Side	Floodplain Impact (FPI) Area	Flood Zone	BFE (Ft.-NAVD-88)	SHW (Ft.-NAVD-88)	Total Area of Impacts (Acres)	100-Year Volume of Impact (Ac-Ft)
200	South	FPI-B200-SOUTH-01 FPI-B200-SOUTH-02	A, AE	84.00	80.00	0.46	0.80
		FPI-B200-SOUTH-03	A	84.00	80.00	6.10	0.62
		FPI-B200-SOUTH-04	A	84.00	80.00	6.16	14.24
200	North	FPI-B200-NORTH-01	AE	84.00	80.00	2.80	8.07
300	South	FPI-B300-SOUTH-01 FPI-B300-SOUTH-02	AE	84.00	78.00	4.96	27.13
		FPI-B300-SOUTH-03	A	84.00	80.00	8.81	60.62
300	North	FPI-B300-NORTH-01 FPI-B300-NORTH-02 FPI-B300-NORTH-03	AE	84.00	80.00	2.53	8.59
					Totals:	**31.82**	**120.07**

Development within the 100-year floodplain has the potential for placing citizens and property at risk of flooding and producing changes in floodplain elevations. Improvements within floodplains increase the potential for flooding by limiting flood storage capacity. Development also reduces vegetated buffers that protect water quality and destroys important habitats for fish and wildlife. Per FDOT, whenever it is determined that the proposed project will involve a regulatory floodway, the District Drainage Engineer, or designee, must work with local agencies and FEMA, as required, to ensure the project is developed consistent with local floodway plans and floodplain management programs. There is no floodway within the project limits.

4.7.1. FPI-B200-SOUTH-01

FPI-B200-SOUTH-01 is located left of the centerline (CL) between Sta. 983+66 and 987+53 in Basin 200. The floodplain associated with this encroachment is classified as Zone A and is assumed to have a base flood elevation of 84.0-feet. The 100-year elevation for this floodplain is based on the adjacent Zone AE Floodplain which has a 100-year elevation of 84.0. The encroachment area is within a wetland that is approximately 31-feet left of the CL to the right-of-way line.

4.7.2. FPI-B200-SOUTH-02

FPI-B200-SOUTH-02 is located left of the CL between Sta. 1017+17 and 1017+65 in Basin 200. The floodplain associated with this encroachment is classified as Zone AE and its base flood elevation was estimated using topographic contours to be 84.0-feet. The encroachment area is within a wetland that is approximately 17-feet left of the CL at the Hillsborough Bridge.

4.7.3. FPI-B200-SOUTH-03

FPI-B200-SOUTH-03 is located left of the CL between Sta. 973+55 to Sta. 978+51 in Basin 200. SMF 200-2 has a portion identified in a FEMA floodplain and is adjacent to the FEMA floodplain classified as Zone AE and has a determined base flood elevation of 84.0-feet. This floodplain impact has been identified only if SMF-200-2 is selected, as the existing grades in the area of SMF-200-2 are 83.00 to 86.00. The encroachment area extends in the location of SMF 200-2.

4.7.4. FPI-B200-SOUTH-04

FPI-B200-SOUTH-04 is located left of the CL between Sta. 982+65 to Sta. 987+50 in Basin 200. SMF 200-1 has a portion identified in a FEMA floodplain and is adjacent to the FEMA floodplain classified as Zone AE and has a determined base flood elevation of 84.0-feet. This floodplain impact has been identified only if SMF 200-1 is selected, as the existing grades in the area of SMF 200-1 are 81.00 to 85.00. The encroachment area extends in the location of SMF 200-1.

4.7.5. FPI-B200-NORTH-01

FPI-B200-NORTH-01 is located right of the CL between Sta. 986+71 and 1017+65 in Basin 200. The floodplain associated with this encroachment is classified as Zone AE and has a determined base flood elevation of 84.0-feet. The encroachment area is within a wetland that is approximately 41-feet right of the CL to the right-of-way line.

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4.7.6. FPI-B300-SOUTH-01

FPI-B300-SOUTH-01 is located left of the CL between Sta. 1019+35 and 1088+12 in Basin 300. The floodplain associated with this encroachment is classified as Zone AE and has a determined base flood elevation of 84.0-feet. The encroachment area is within a wetland that is approximately 25-feet left of the CL to the right-of-way line.

4.7.7. FPI-B300-SOUTH-02

FPI-B300-SOUTH-02 is located left of the CL between Sta. 1092+90 and 1117+54 in Basin 300. The floodplain associated with this encroachment is classified as Zone AE and has a determined base flood elevation of 84.0-feet. The encroachment area extends along the left side of the road, set about 14-feet right of the CL to the right-of-way line.

4.7.8. FPI-B300-SOUTH-03

FPI-B300-SOUTH-03 is located left of the CL between Sta. 1119+27 and 1125+89 in Basin 300. SMF 300-1 has a portion identified in a FEMA floodplain and is adjacent to the FEMA floodplain classified as Zone AE and has a determined base flood elevation of 84.0-feet. This floodplain impact has been identified only if SMF-300-1 is selected, as the existing grades in the area of SMF-300-1 are 78.00 to 79.00. The encroachment area extends in the location of SMF 300-1.

4.7.9. FPI-B300-NORTH-01

FPI-B300-NORTH-01 is located right of the CL between Sta. 1019+35 and 1027+63 in Basin 300. The floodplain associated with this encroachment is classified as Zone AE and has a determined base flood elevation of 84.0-feet. The encroachment area extends along the right side of the road, set about 23-feet right of the CL to the right-of-way line.

4.7.10. FPI-B300-NORTH-02

FPI-B300-NORTH-02 is located right of the CL between Sta. 1041+98 and 1055+27 in Basin 300. The floodplain associated with this encroachment is classified as Zone AE and has a determined base flood elevation of 84.0-feet. The encroachment area extends along the right side of the road, set about 67-feet right of the CL to the right-of-way line.

4.7.11. FPI-B300-NORTH-03

FPI-B300-NORTH-03 is located right of the CL between Sta. 1117+58 and 1144+79 in Basin 300. The floodplain associated with this encroachment is classified as Zone AE and has a determined base flood elevation of 84.0-feet. The encroachment area extends along the right side of the road, set about 30-feet right of the CL to the right-of-way line.

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4.8. Natural Characteristics

RK&K has assessed potential wetland and protected species involvement due to the proposed improvements. See **Appendix 22** for Natural Resources Technical Memo for an assessment to wetlands and protected species involvement for the PSR.

4.9. Cultural Resources

Archaeological Consultants, Inc. (ACI) has preliminary assessed if any significant or potentially significant cultural resources, included archaeological sites and historical resources will be impacted due to the proposed improvements. See **Appendix 20** for the Preliminary Cultural Resource Assessment Probability Analysis Technical Memorandum.

4.10. Contamination

Tierra, Inc. has completed a desktop contamination analysis for the proposed pond sites. See **Appendix 21** for the Desktop Contamination Analysis – Pond Alternatives which includes comments for each proposed pond and floodplain compensation location.

4.11. Existing Utilities

Eight (8) utility agency owners (UAO) have been identified in the project area. Three (3) of the UAO's provided responses. The utilities are summarized below:

City of Dade City: The City of Dade City has provided marked plans showing their facilities both existing and proposed within the project limits. They have a 10" PVC force main (FM) that they propose to run north and south along private drive then turns and goes west on Clinton Avenue then continues west. At approx. sta. 1381+00 they have a 12" Gate valve and 12" water main (WM) that goes west along US 98 where it turns and goes north by the Publix on the north side. The city has an 8" WM that crosses US 98 at approximately Sta.1382+00 and continues south. The city also is proposing a 4" FM that runs east and west along the south side of US 98 with multiple 4" gate valves. The city has an existing 8"PVC Gravity Sewer main that is on the west side of US 301 from Clinton Avenue and runs north.

Pasco County Utilities: Pasco County Utilities owns and operates an 8" PVC WM from Sta. 1210+50 to Sta. 1218+00 on the north side and crosses and turns west and continues on the south side with a 6" PVC WM crossing at approximately Sta. 1214+50. At approximately Sta. 1220+10 they have a 6" PVC WM that crosses the proposed frontage road and goes south along the Heavy Equipment building. From approximately Sta. 1219+00 to Sta. 1265+00 the County has a 12" PVC WM where they have a fire hydrant and a valve pad then a 10" PVC WM continues to Townsend Road and turns and goes SW.

TECO Peoples Gas: TECO Peoples Gas has a 12" Coated Steel (CS) high pressure (HP) Transmission line within the existing right of way and runs along the north side of US 98 from the beginning of the project limits and continues west then crosses the railroad and turns and goes north along the east side of Old Lakeland Hwy.

TECO Peoples Gas has a 6" CS HP GM that runs north and south along the east side of US 301 at Clinton Avenue. and US 301 TECO has a 6" CS HP GM runs north and south along the east side of US 301. There is also a separate 6" CS HP Transmission line that runs along the east side approximately 500 feet and goes south then turns and goes east along Clinton Ave. about 200 ft and then crosses Clinton Ave. to the south and continues east along Clinton Ave. TECO feeds the Publix and Burger King from the north side and has a reg station at the entrance on US 301.

The five (5) non-responsive UAO's were Bright House Networks, CenturyLink, Pasco County Traffic, Tampa Electric Company, and Withlacoochee River Electric Cooperative.

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5. PROPOSED DRAINAGE CONDITIONS

The stormwater runoff from the project limits will be collected and conveyed in roadside ditches or closed drainage systems to the proposed wet detention, dry retention (open basin), or dry retention (closed basin) ponds. The ponds will discharge at or near the same cross drains that carry the roadway runoff in the existing condition. The water quality treatment and water quantity attenuation will be achieved through the construction of wet detention, dry retention (open basin), or dry retention (closed basin) ponds, which will require the acquisition of additional right-of-way. Two alternatives were analyzed for each basin except for basin 1000 where there was no proposed increase in impervious area. The alternative pond sites were evaluated so that one pond could be recommended for each basin.

5.1. Proposed Ponds

Stormwater runoff will be routed to proposed stormwater ponds for water quality treatment and attenuation purposes. Impervious areas include roadway pavement, curb and gutter sections, and sidewalks/trails. There are nine (9) roadway drainage basins within the project limits. See **Appendix 6** for the **Post-Development Drainage Maps**.

5.2. Pond Siting Analysis

The pond siting analysis assumes that ponds in Basin 200 and 300 will be designed using the wet detention pond design criteria due to high SHWT elevations. Ponds in Basins 400, 500, 600, 700, 800 and 900 will be designed as dry ponds due to the low SHWT.

The following parameters were considered in the sizing of potential pond sites:

1. Estimated right-of-way acquisition costs.
2. Number of parcels impacted.
3. Partial or whole parcel take.
4. Long-term maintenance costs.
5. Safety.
6. Floodplain impacts.
7. Contamination and hazardous materials.
8. Utility conflicts (includes septic systems and water wells).
9. Threatened or endangered species present in the area.
10. Archeological/historical sites, Cemeteries, and other Section 4(f) considerations.
11. Environmental resource impacts including wetlands (including mitigation costs).
12. Geotechnical issues - Hydrologic and hydraulic factors such as soil types, seasonal high water table (SHWT), and stormwater conveyance feasibility.
13. Existing permits and land use.
14. Roadway low edge of pavement.
15. Constructability.
16. Existing ground topography.
17. Impacts on sidewalks and/or trails.
18. Access impacts to other parcels.
19. Public opinion.

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Refer to **Appendix 14** for the Pond Evaluation Matrices. Lower scores mean better or more desired alternatives in the Pond Evaluation Matrices.

Refer to Appendix 24 for Field Visit Photos.

5.3. Stormwater Pond Evaluation

See **Table 5-1** for a summary of stormwater pond areas. Note that these areas are the areas required at the R/W.

Table 5-1 Summary of Recommended Stormwater Pond Areas

Basin #	Pond Name	Minimum Pond Site Area		Additional R/W Required
		Required (Ac)	Provided (Ac)	
200	SMF 200-1	8.19	14.48	Yes
300	SMF 300-1	12.37	13.06	Yes
400	SMF 400-1	1.33	2.57	Yes
500	SMF 500-1	1.01	1.66	Yes
600	SMF 600-2	2.41	3.03	Yes
700	SMF 700-1	2.01	2.53	Yes
800	SMF 800-1	4.49	5.48	Yes
900	SMF 900-1 East	8.18	10.56	Yes
	SMF 900-1 West	1.91	3.91	Yes
1000	N/A	**N/A**	**N/A**	No
	Total	**41.90**	**57.28**	

5.3.1. Basin 100

This basin extends from Station 929+50 to CR54 (Sta 934+33). The drainage for this segment will be done by another consultant and will be coordinated with District 1.

5.3.2. Basin 200 Alternatives

Basin 200 is located between Sta. 934+33 and Sta. 1018+42. The total proposed drainage area is 55.03 acres for Alternate 1 and 54.81 acres for Alternate 2.

Of the 55.03 acres for Alternate 1, 22.57 acres is impervious area. Of the 22.57 acres of impervious area, 16.88 acres is total roadway impervious area which is the area required by SWFWMD to be treated for water quality. The remaining impervious area is the wet pond.

Of the 54.81 acres for Alternate 2, 22.58 acres is impervious area. Of the 22.58 acres of impervious area, 16.88 acres is total roadway impervious area which is the area required by SWFWMD to be treated for water quality. The remaining impervious area is the wet pond.

However, due to limitations of the existing topography, the lengthy distance adjacent to the green swamp, and the high SHWT within the basin, conveying all the roadway runoff from the Hillsborough Bridge to the proposed SMF's may not be possible. The distance from the Hillsborough River Bridge (Sta. 1018+42) to the beginning of green swamp (990+62) is approximately 2,780 ft. Proposing SMF facilities within green swamp's wetlands or floodplain is not a viable option. Existing runoff is not treated and flows directly into the green swamp from the US 98 roadway. As a hardship due to the on-site topography within this basin, it was discussed further with SWFWMD that only the net increase in roadway impervious will be required to be treated for this basin (if it cannot be conveyed to the SMF). The pond sizing for the PSR will be based on conveying all the roadway runoff from the Hillsborough River Bridge to the pond (which is conservative). However, due to the hardship we may be limited to treat only the net increase of runoff from the travel lanes. This means runoff to be treated would come from the new constructed 4-lanes (4-lanes conveyed to the ponds), while a portion that could not be conveyed to the SMF would be directly discharged to the green swamp. The existing cross drain "CD-01" is proposed to be removed as it was used for cattle crossings only and does not provide stormwater conveyance through this structure. Existing cross drain "CD-01" will be proposed to be removed as it is no longer used. Refer to **Appendix 14** for Pond Siting matrices and SMF calculations.

- ***Alternative 1:*** SMF 200-1 is a wet detention pond and is the recommended alternative, located approximately 427-feet left of US 98 at Sta. 982+36 to Sta. 987+77 in an area of 14.48 acres in a part of Parcel # 34-25-22-0000-00200-0000. A drainage easement will be in part of Parcel # 34-25-22-0010-00000-2640 which will be used to convey the roadway runoff to the SMF. The land here is very flat with elevations of 81-feet to 85-feet. The SMF will outfall to two locations: the adjacent wetland in green swamp which is part of the Hillsborough River Basin (south side of US 98) and Port Lonesome Ditches (north side of US 98). The green swamp 100-year BFE through these limits is elevation 84.00. SMF 200-1 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the geotechnical report to be 83.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. The SMF then outfalls to the wetland via a control structure and outlet pipe. SMF 200-1 has a larger required parcel area compared to SMF 200-2 due to the existing surface waters and required tie-ins adjacent to the green swamp. This is the recommended alternative due to the proximity of the SMF to the outfall locations, and the number of parcels impacted by SMF 200-1 is less than the number for SMF 200-2.

- ***Alternative 2:*** SMF 200-2 is a wet detention pond and is the second alternative, located approximately 424-feet left of US 98 at Sta. 973+27 to Sta. 978+79 in an area of 8.18 acres in a part of Parcel # 35-25-22-0000-00200-0000. A drainage easement will be in part of Part of Parcel # 34-25-22-0010-00000-2760 which will be used to convey the roadway runoff to the SMF. A drainage easement will be in part of Parcels # 34-25-22-0000-00200-0000 and # 34-25-22-0000-00200-0030 which will be used to convey

the discharge from the pond to the green swamp. The land here is very flat at an elevation of 83-feet to 86-feet. The SMF will outfall to two locations: the adjacent wetland in green swamp which is part of the Hillsborough River Basin (south side of US 98) and Port Lonesome Ditches (north side of US 98). The green swamp 100-year BFE through these limits is elevation 84.00. SMF 200-2 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the geotechnical report to be 85.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. The SMF then outfalls to the wetland via a control structure and outlet pipe.

5.3.3. Basin 300 Alternatives

Basin 300 is located between Sta. 1018+42 and Sta. 1184+00. The total proposed drainage area is 162.63 acres for Alternate 1 and 150.22 acres for Alternate 2.

Of the 162.63 acres for Alternate 1, 39.09 acres is impervious area. Of the 39.09 acres of impervious area, 29.81 acres is total roadway impervious area which is the area required by SWFWMD to be treated for water quality. The remaining impervious area is the wet pond.

Of the 150.22 acres for Alternate 2, 34.45 acres is impervious area. Of the 34.45 acres of impervious area, 29.81 acres is total roadway impervious area which is the area required by SWFWMD to be treated for water quality. The remaining impervious area is the wet pond.

However, due to the onsite topography, the lengthy distance adjacent to the green swamp, and the high SHWT within the basin, conveying all the roadway runoff from the Hillsborough Bridge to the proposed SMF's may not be possible. The distance from the Hillsborough River Bridge (Sta. 1018+42) to the edge of green swamp (1118+24) is approximately 9,982 ft. Proposing SMF facilities within green swamp's wetlands or floodplain is not a viable option. Existing runoff is not treated and flows directly into the green swamp from the US 98 roadway. As a hardship due to the on-site conditions for this basin, it was discussed further with SWFWMD and that only the net increase in roadway impervious will be required to be treated for this basin (if it cannot be conveyed to the SMF). The pond sizing for the PSR will be based on conveying all the roadway runoff from the Hillsborough River Bridge to the pond. However, due to the hardship we may be limited to treat only the net increase of runoff from the travel lanes. This means runoff required to be treated would come from the new constructed 4-lanes (4-lanes conveyed to the ponds), while a portion that could not be conveyed to the SMF would be directly discharged to the green swamp. Refer to **Appendix 14** for Pond Siting matrices and SMF calculations.

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The existing cross drains “CD-02” and “CD-04” will need to be evaluated to determine if the culverts can be extended or if they need to be replaced due to the roadway widening. The existing cross drain “CD-03” will be removed as it was used for cattle crossings only and does not provide stormwater conveyance through this structure. Existing cross drain “CD-03” will be proposed to be removed as it is no longer used.

- ***Alternative 1:*** SMF 300-1 is a wet detention pond and is the recommended alternative, located approximately 106-feet left of US 98 at Sta. 1118+93 to Sta. 1126+23 in an area of 13.06 acres in a part of Parcel # 29-25-22-0000-00100-0010. The land here is very flat at an elevation of 75-feet to 79-feet. The SMF will outfall to the adjacent wetland in green swamp which is part of the Withlacoochee River Basin. There is a 100-year BFE of 84.00 at the green swamp wetland. SMF 300-1 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the geotechnical report to be 80.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. The SMF then outfalls to the wetland via a control structure and outlet pipe.

  This is the recommended alternative due to the proximity of the SMF to the outfall location. This alternative is expected to have less of an impact to the adjacent residential roadway (as compared to alternative 2) that leads to Parcel # 29-25-22-0000-00100-0000 which has a very high cost.

- ***Alternative 2:*** SMF 300-2 is a wet detention pond and is the second alternative, located approximately 770-feet left of US 98 at Sta. 1134+88 to Sta. 1143+13 in an area of 14.16 acres in a part of Parcel # 29-25-22-0000-00100-0020, 29-25-22-0020-00000-0200, 29-25-22-0020-00000-0190, 29-25-22-0020-00000-0180, 29-25-22-0020-00000-0170, and 29-25-22-0020-00000-0160. The land here has mostly gradual slopes with elevations of 79-feet to 110-feet. The SMF will outfall to the wetland in green swamp which is part of the Withlacoochee River Basin. The outfall pipe from the proposed SMF will be discharged to the FPC 300-South-02 and directed to the US 98 right-of-way and be maintained in the right-of-way before discharging to the wetland. There is a 100-year BFE of 84.00 at the green swamp wetland. SMF 300-2 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the geotechnical report to be 80.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a storm drain and conveyed to the SMF where it then outfalls to FPC 300-South-02 via a control structure and outlet pipe.

5.3.4. Basin 400 Alternatives

Basin 400 is located between Sta. 1184+00 and Sta. 1203+78. The total proposed drainage area is 8.17 acres for Alternate 1 and 56.36 acres for Alternate 2. Alternate 1 and Alternate 2 have different areas as Alternate 1’s SMF will collect only the roadway runoff since the offsite runoff off will be routed around the pond. Alternate 2’s SMF will have the offsite runoff routed through the pond as the pond is adjacent to the low-lying area within the basin.

Of the 8.17 acres for Alternate 1, there will be two (2) sub-basins. Alternate 1's sub-basin 1 will drain to the retention pond, and Alternate 1's sub-basin 2 will sheet flow to the low-lying area adjacent to the railroad. By retaining the net increase in runoff (100 year-24 hour), Alternate 1 will be designed to ensure that there is no net increase in runoff to these low-lying areas adjacent to the railroad. Of the 5.71 acres for Alternate 1's sub-basin 1, 2.36 acres is impervious area which is the area required by SWFWMD to be treated for water quality (as this is the net increase in impervious area within the basin). Of the 3.30 acres for Alternate 1's sub-basin 2, 1.65 acres is impervious area. Post-development sub-basin's 1 and 2 areas total up to the existing area for Alternate 1. The pond sizing for the PSR for Alternative 1 will be based on conveying the net increase in roadway runoff from the basin to the pond. Refer to **Appendix 14** for Pond Siting matrices and SMF calculations.

Of the 56.36 acres for Alternate 2, 4.01 acres is impervious area. Of the 4.01 acres of impervious area, 4.01 acres is roadway impervious area which is the area required by SWFWMD to be treated for water quality. The pond sizing for the PSR for Alternative 2 will be based on conveying all the roadway runoff from the basin to the pond. Refer to **Appendix 14** for Pond Siting matrices and SMF calculations.

- ***Alternative 1:*** SMF 400-1 is a dry retention (closed basin) pond and is the recommended alternative, located approximately 120-feet right of US 98 at Sta. 1192+65 to Sta. 1195+69 in an area of 2.57 acres in a part of Parcel # 19-25-22-0000-00900-0000. The land here has gradual slopes with elevations of 114-feet to 125-feet. The SMF will not have an outfall structure. SMF 400-1 will provide the required attenuation and water quality treatment volumes for this basin. A drawdown analysis will also be analyzed for the 100 year-24 hour storm event. The SHWT was estimated from the Pasco County Soil Survey to be 114.0-feet. The depth to the SHWT from existing grade is greater than 6.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. Runoff not conveyed to the stormwater pond will be conveyed to the low-lying areas adjacent to the railroad.

- ***Alternative 2:*** SMF 400-2 is a dry retention (open basin) pond and is the second alternative, located approximately 92-feet left of US 98 at Sta. 1198+34 to Sta. 1200+82 in an area of 1.62 acres in a part of Parcel # 19-25-22-0000-01000-0000. An ingress/egress easement will be located in Parcel # 19-25-22-0000-00900-0000 which be used to access the SMF for maintenance. The land here has gradual slopes with elevations of 101-feet to 105-feet. The SMF will outfall adjacent to the railroad which is part of the Withlacoochee River Basin. SMF 400-2 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the Pasco County Soil Survey to be 95.0-feet. The depth to the SHWT from existing grade is greater than 6.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to the SMF where it then outfalls to the low-lying area adjacent to the railroad via a control structure and outlet pipe.

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5.3.5. Basin 500 Alternatives

Basin 500 is located between Sta. 1203+78 and Sta. 1224+53. The total proposed drainage area is 33.31 acres for Alternate 1 and 34.36 acres for Alternate 2. Of the basin area, 5.16 acres is impervious area which is the area required by SWFWMD to be treated for water quality. The pond sizing for the PSR will be based on conveying all the roadway runoff from the basin to the pond. Coordination with the geotechnical engineer will be required to address any potential seepage concerns created by the proposed pond which is adjacent to residential homes. Refer to **Appendix 14** for Pond Siting matrices and SMF calculations.

- ***Alternative 1:*** SMF 500-1 is a dry retention (open basin) pond and is the recommended alternative, located approximately 181-feet left of US 98 at Sta. 1210+71 to Sta. 1213+72 in an area of 1.66 acres in a part of Parcel # 19-25-22-0000-00400-0030. The land here has gradual slopes with elevations of 112-feet to 124-feet. The SMF will outfall to the US 98 right-of-way and flow towards Old Lakeland Hwy which is part of the Withlacoochee River Basin. SMF 500-1 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the Pasco County Soil Survey to be 118.0-feet. The depth to the SHWT from existing grade is greater than 6.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. The SMF then outfalls back into the US 98 right-of-way via a control structure and outlet pipe. This is the recommended alternative due to the proximity of the SMF to US 98, and SMF 500-2 would require more stormwater pipe to convey the US 98 runoff to the pond.

- ***Alternative 2:*** SMF 500-2 is a dry retention pond (open basin) and is the second alternative, located approximately 635-feet left of US 98 at Sta. 1199+75 to Sta. 1203+02 in an area of 1.61 acres in a part of Parcel # 19-25-22-003A-00A00-0000. The land here has gradual slopes with elevations of 89-feet to 94-feet. The SMF will outfall adjacent to the Old Lakeland Highway which is part of the Withlacoochee River Basin. SMF 500-2 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the Pasco County Soil Survey to be 83.0-feet. The depth to the SHWT from existing grade is greater than 6.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. The SMF then outfalls to the Old Lakeland Highway right-of-way via a control structure and outlet pipe.

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5.3.6. Basin 600 Alternatives

Basin 600 is located between Sta. 1224+53 and Sta. 1250+64. The total proposed drainage area is 79.60 acres with 5.15 acres being impervious area which is the area required by SWFWMD to be treated for water quality. The pond sizing for the PSR will be based on conveying all the roadway runoff from the basin to the pond. The existing cross drains "CD-05" will need to be evaluated to determine if the culvert can be extended or if it will need to be replaced due to the roadway widening. Refer to **Appendix 14** for Pond Siting matrices and SMF calculations.

- ***Alternative 1:*** SMF 600-1 is a dry retention pond (open basin) and is the second alternative, located approximately 92-feet left of US 98 at Sta. 1234+16 to Sta. 1239+66 in an area of 2.97 acres in a part of Parcel # 19-25-22-0030-00000-0110. The land here has gradual slopes with elevations of 115-feet to 119-feet. The SMF will outfall to the south within the Withlacoochee River Basin. SMF 600-1 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the Pasco County Soil Survey to be 109.00-feet. The depth to the SHWT from existing grade is greater than 6.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. The SMF then outfalls over a concrete spillway and flows to the south within the Withlacoochee River Basin.

- ***Alternative 2:*** SMF 600-2 is a dry retention (open basin) pond and is the recommended alternative, located approximately 90-feet right of US 98 at Sta. 1235+94 to Sta. 1240+80 in an area of 3.03 acres in a part of Parcel # 13-25-21-0010-11200-0000. The land here has gradual slopes with elevations of 116-feet to 126-feet. The SMF will outfall to a US 98 cross drain located at station 1236+01 where it crosses to a depressed area which needs to stage up and overtop an existing earthen berm (approximate elevation 117.00) where it then flows south within Withlacoochee River Basin. SMF 600-2 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the Pasco County Soil Survey to be 110.00-feet. The depth to the SHWT from existing grade is greater than 6.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. This is the recommended alternative since it allows for positive flow from offsite drainage from the north side of US 98 better that SMF 600-1.

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5.3.7. Basin 700 Alternatives

Basin 700 is located between Sta. 1250+64 and Sta. 1286+23. The total proposed drainage area is 26.83 acres for Alternate 1 and 26.98 acres for Alternate 2. Of the basin area, 7.34 acres is impervious area which is the area required by SWFWMD to be treated for water quality. The pond sizing for the PSR will be based on conveying all the roadway runoff from the basin to the pond. Refer to **Appendix 14** for Pond Siting matrices and SMF calculations.

- ***Alternative 1:*** SMF 700-1 is a dry retention (open basin) pond and is the recommended alternative, located approximately 97-feet right of US 98 at Sta. 1254+30 to Sta. 1258+90 in an area of 2.53 acres in a part of Parcel # 13-25-21-0010-09400-0000. The land here has gradual slopes with elevations of 127-feet to 128-feet. The SMF will outfall to the north within the Clear Lake Outlet Basin and south within the Withlacoochee River Basin as this basin has 2 outfalls. SMF 700-1 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the Pasco County Soil Survey to be 121.00-feet. The depth to the SHWT from existing grade is greater than 6.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. The SMF then outfalls to the back into the US 98 right-of-way via the control structures and outlet pipes where it then flows north within the Clear Lake Outlet Basin and south within the Withlacoochee River Basin as this basin has 2 outfalls.

- ***Alternative 2:*** SMF 700-2 is a dry retention (open basin) pond and is the second alternative, located approximately 103-feet left of US 98 at Sta. 1264+24 to Sta. 1267+40 in an area of 2.78 acres in a part of Parcel # 13-25-21-0010-08600-0020. The land here has gradual slopes with elevations of 118-feet to 131-feet. The SMF will outfall to the north within the Clear Lake Outlet Basin and south within the Withlacoochee River Basin as this basin has 2 outfalls. SMF 700-2 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the Pasco County Soil Survey to be 118.00-feet. The depth to the SHWT from existing grade is greater than 6.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. The SMF then outfalls to the back into the US 98 right-of-way via the control structures and outlet pipes where it then flows north within the Clear Lake Outlet Basin and south within the Withlacoochee River Basin as this basin has 2 outfalls.

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5.3.8. Basin 800 Alternatives

Basin 800 is located between Sta. 1286+23 and Sta. 1313+45 on the US 98. The total proposed drainage area is 19.28 acres for Alternate 1 and 19.36 acres for Alternate 2. Of the basin area, 5.38 acres being impervious area which is the area required by SWFWMD to be treated for water quality.

The pond sizing for the PSR will be based on conveying all the roadway runoff from the basin to the pond. Basin 800 outfalls to an area which has a low lying depressional area that will need to stage up before outfalling further downstream within the Clear Lake Outlet Basin, therefore making it a closed and volume sensitive basin. A retention pond (closed basin) will be analyzed to retain the runoff (100 year-24 hour) from the basin in the pond. A drawdown analysis will also be analyzed for the 100 year-24 hour storm event. The existing cross drains "CD-06" will be maintained in the post-development conditions. Refer to **Appendix 14** for Pond Siting matrices and SMF calculations.

Basin 800 also has an offsite area. Basin 800-A offsite has a total drainage area of 9.39 acres. Basin 800-A offsite has 1.86 acres of impervious area in the post-development conditions and 2.15 acres of impervious areas in the pre-development conditions. There is a reduction in impervious area in Basin 800-A offsite as a result of removing the existing US 98 roadway. Therefore, there is a decrease in impervious area for Basin 800-A offsite in the post-development conditions which reduces the amount of required treatment in Basin 800. Basin 800-A offsite will maintain the existing flow patterns in the post development conditions as this basin will flow to an existing cross drain (CD-06) at US 98.

A nutrient loading analysis using BMPTrains was performed to determine the change in Nitrogen and Phosphorous runoff as a result of the land use change for Basin 800, since the proposed roadway is being re-aligned through existing agricultural/pastureland. A decrease in nutrient loading could help with reducing the required treatment volume in the proposed pond alternatives. However, it was determined that there would be an increase in loading due to the change in curve number when comparing the post-development condition with the pre-development condition, if the runoff was not conveyed to a stormwater pond for treatment.

- ***Alternative 1:*** SMF 800-1 is a dry retention (closed basin) pond and is the recommended alternative, located approximately 132-feet right of US 98 at Sta. 1296+43 to Sta. 1302+30 in an area of 5.48 acres in a part of Parcel # 13-25-21-0010-00700-0000. The land here has gradual slopes with elevations of 133-feet to 146-feet. SMF 800-1 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the Pasco County Soil Survey to be 129.00-feet. The depth to the SHWT from existing grade is greater than 6.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. The runoff will be retained in the pond as the SMF will not have an outfall structure.

- ***Alternative 2:*** SMF 800-2 is a dry retention (closed basin) pond and is the second alternative, located approximately 137-feet right of US 98 at Sta. 1291+54 to Sta. 1298+73 in an area of 5.76 acres in a part of Parcel # 13-25-21-0010-03700-0010. The land here has gradual slopes with elevations of 134-feet to 141-feet. SMF 800-2 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the Pasco County Soil Survey to be 130.00-feet. The depth to the SHWT from existing grade is greater than 6.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. The runoff will be retained in the pond as the SMF will not have an outfall structure.

5.3.9. Basin 900 Alternatives

Basin 900 is located between Sta. 1313+45 to 1381+33 along US 98. The total proposed drainage area is 44.92 acres for Alternate 1 and 40.46 acres for Alternate 2.

Of the 44.92 acres for Alternate 1, there will be three (3) sub-basins. Alternate 1's sub-basin 1 will drain to SMF 900-1 East, sub-basin 2 will flow to the low-lying depressional area on the south side of Clinton Avenue via a cross drain, and sub basin 3 will flow to SMF 900-1 West. By retaining the net increase in runoff (100 year-24 hour), Alternate 1 will be designed to ensure that there is no net increase in runoff to these low-lying depressional areas adjacent to the roadway. Of the 44.92 acres for Alternate 1, 13.80 acres (in sub basin 1 and 3) is impervious area which is the area required by SWFWMD to be treated for water quality (as this is the net increase in impervious area within the basin). Of the 1.60 acres for Alternate 1's sub-basin 2, 1.39 acres is impervious area. Post-development sub-basin's 1, 2, and 3 areas total up to the pre-development area for Alternate 1. Retention ponds (closed basin) will be analyzed to retain the runoff (100 year-24 hour) from the basin in the ponds.

Of the 40.46 acres for Alternate 2, there will be two (2) sub-basins. Alternate 2's sub-basin 1 will drain to the retention pond, and Alternate 2's sub-basin 2 will flow to the low-lying depressional area on the south side of Clinton Avenue via a cross drain. By retaining the net increase in runoff (100 year-24 hour), Alternate 2 will be designed to ensure that there is no net increase in runoff to these low-lying depressional areas adjacent to the roadway. Of the 40.46 acres for Alternate 2's sub-basin 1, 13.80 acres is impervious area which is the area required by SWFWMD to be treated for water quality (as this is the net increase in impervious area within the basin). Of the 1.60 acres for Alternate 2's sub-basin 2, 1.39 acres is impervious area. Post-development sub-basin's 1 and 2 areas total up to the pre-development area for Alternate 2. A retention pond (closed basin) will be analyzed to retain the runoff (100 year-24 hour) from the basin in the pond.

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Basin 900 outfalls to an area which has a low lying depressional area that will need to stage up before outfalling further downstream within the Clear Lake Outlet Basin, therefore making it a closed and volume sensitive basin. A retention pond (closed basin) will be analyzed to retain the runoff (100 year-24 hour) from the basin. A drawdown analysis will also be analyzed for the 100 year-24 hour storm event. The existing cross drain "CD-07" is anticipated to be replaced due to the roadway widening. Refer to **Appendix 14** for Pond Siting matrices and SMF calculations.

A nutrient loading analysis using BMPTrains was performed to determine the change in Nitrogen and Phosphorous runoff as a result of the land use change for Basin 900, since the proposed roadway is being re-aligned through existing agricultural/pastureland. A decrease in nutrient loading could help with reducing the required treatment volume in the proposed pond alternatives. However, it was determined that there would be an increase in loading due to the change in curve number when comparing the post-development condition with the pre-development condition, if the runoff was not conveyed to a stormwater pond for treatment.

- ***Alternative 1:*** This alternative consists of 2 retention ponds. SMF 900-1 East is a dry retention (closed basin) pond (RT side of US 98) and SMF 900-1 West is a dry retention (closed basin) pond (LT side of US 98) and is the recommended alternative. SMF 900-1 East is located approximately 150-feet right of US 98 at Sta. 1339+39 to Sta. 1348+93 in an area of 10.56 acres in a part of Parcel # 11-25-21-0000-00600-0031, # 11-25-21-0000-00600-0030 and # 11-25-21-0000-00600-0020. SMF 900-1 West is located approximately 168-feet left of US 98 at Sta. 1342+17 to Sta. 1342+52 in an area of 3.91 acres in a part of Parcel # 11-25-21-0000-00600-0030 and # 11-25-21-0000-00600-0020. The land here has gradual slopes with elevations of 80-feet to 89-feet for SMF 900-1 East and elevations of 88-feet to 104-feet for SMF 900-1 West. SMF 900-1 East and SMF 900-1 West will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the Pasco County Soil Survey to be 75.00-feet for SMF 900-1 East and 80.5 for SMF 900-1 West. The depth to the SHWT from existing grade is greater than 6.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. The runoff will be retained in the ponds as the SMF will not have an outfall structure.

- ***Alternative 2:*** SMF 900-2 is a dry retention (closed basin) pond and is the second alternative, located approximately 177-feet right of US 98 at Sta. 1332+47 to 1338+57 in an area of 12.97 acres in a part of Parcel # 11-25-21-0000-02700-0000 and Parcel # 12-25-21-0000-00900-0030. The land has gradual slopes with elevations of 80-feet to 107-feet. SMF 900-2 will provide the required attenuation and water quality treatment volumes for this basin. The SHWT was estimated from the Pasco County Soil Survey to be 85.00-feet. The depth to the SHWT from existing grade is greater than 6.0-feet. Roadway drainage is proposed to be collected via ditches and conveyed to a drainage structure where it is then conveyed to the SMF via a storm drain. The runoff will be retained in the pond as the SMF will not have an outfall structure.

5.3.10. Basin 1000

Basin 1000 is located between Sta. 1381+33 to Sta. 1393+74 along US 98. The total proposed drainage area is 4.02 acres with 2.28 acres being impervious area. There is no increase in roadway impervious in the post-development conditions, therefore no pond is required for Basin 1000. The roadway improvement will connect to the existing closed conveyance system along Clinton Avenue which connects to the existing system along US 301. Refer to **Appendix 14** for drainage calculations.

5.4. Floodplain Compensation

Floodplain impacts have been calculated for encroachments to the 100-year floodplain within the project R/W and the alternative SMF sites. Floodplain impacts are proposed to be mitigated for in offsite flood plain compensation sites on a cup-for-cup basis. From the available data, approximate Floodplain Impact (FPI) Areas have been calculated (see **Table 4-5**). Within the Project Limits eleven (11) FPI segments have been identified as potential impacts to the 100-year floodplain (Zone A and AE), (see **Appendix 8 Floodplain Impact Maps**). Areas for floodplain compensation are identified in **Appendix 6 Post-development Drainage Maps**. The calculated sizes of the floodplain compensation areas were designed to be at least 5% larger than those of the impact areas to account for increases due to maintenance access and tying back into existing ground.

Areas are measured using the shapes shown in **Appendix 6 Post-development Drainage Maps**. The depth of impact has been calculated from the difference between the floodplain elevation and existing ground elevation, with the seasonal high-water table elevation as the lower limit. The Zone 'AE' floodplain elevations were taken directly from the FIRM. The Zone 'A' floodplain elevations were estimated based on the approximate contours from LiDAR from the Southwest Florida Water Management District (SWFWMD). The floodplain compensation areas were determined by using the area(s) of floodplain impact for each segment. See **Table 5-2** for the Floodplain Compensation area and volume.

Table 5-2 Summary of Recommended Floodplain Compensation (FPC) Areas

Basin	Side	Floodplain Compensation (FPC) Areas	Flood Zone	BFE (Ft.-NAVD-88)	SHW (Ft.-NAVD-88)	Area of FPC (Acres), 100-yr	Volume of FPC (Ac-Ft), 100-yr
300	South	FPC-300-SOUTH-01	A, AE	84.00	78.00	34.63	111.30
300	South	FPC-300-SOUTH-02	A, AE	84.00	78.00	20.47	47.45
300	North	FPC-300-NORTH-01	AE	84.00	80.00	5.59	19.62
300	North	FPC-300-NORTH-02	AE	84.00	80.00	5.84	19.73

(*) Floodplain impacts shown is cumulative for Basin 200 and 300 based on the south and north sides respectively.

5.4.1. FPC-300-South-01 Alternative

FPC 300-SOUTH-01 is located left of the CL between Sta. 1118+86 to Sta. 1130+44 in Basin 300. This is the recommended floodplain compensation site. The compensation area is adjacent to the green swamp and the proposed pond SMF 300-1. The compensation area is on Parcel # 29-25-22-0000-00100-0010. A partial take of the parcel will be required for the floodplain compensation. The proposed FPC area is a vacant site with a combination of open space and woods. A residential driveway adjacent to the FPC will be maintained in the post-development conditions. The ground elevations range from 79-feet to 96-feet, and the SHW elevation was estimated to be 78.0-feet. The existing soils within the FPC consist mostly of Type A soils. Floodplain impacts to Basins 200 and 300 south of US 98 will be compensated in FPC 300-SOUTH-01. FPC 300-SOUTH-01 considers impacts from SMF 300-1 as the floodplain compensation and proposed pond are within this parcel.

5.4.2. FPC-300-South-02 Alternative

FPC 300-SOUTH-02 is located left of the CL between Sta. 1123+37 to Sta. 1138+29 in Basin 300. This is an alternate floodplain compensation site. The compensation area is one parcel away from the green swamp. The compensation area is adjacent to proposed pond SMF 300-2. The compensation area is on Parcels # 29-25-22-0000-00100-0020 and # 29-25-22-0000-01200-0021. Multiple parcel takes will be required for the floodplain compensation. The proposed FPC area is a vacant site with a combination of open space and woods. A residential driveway adjacent to the FPC will be maintained in the post-development conditions. The ground elevations range from 77-feet to 98-feet, and the SHW elevation was estimated to be 78.0-feet. The existing soils within the FPC consist mostly of Type A and A/D soils. Floodplain impacts to Basins 200 and 300 south of US 98 will be compensated in FPC 300-SOUTH-02.

5.4.3. FPC-300-North-01 Alternative

FPC 300-NORTH-01 is located right of the CL between Sta. 1151+52 to Sta. 1161+41 in Basin 300. This is the recommended floodplain compensation site. The compensation area is adjacent to the floodplain. The compensation area is on Parcel # 20-25-22-0000-01600-0000. A partial take of the parcel will be required for the floodplain compensation. An easement is proposed to provide access for maintenance to the FPC Site. The proposed FPC area consists of a residential home site, open space, and woods. The ground elevations range from 80-feet to 107-feet, and the SHW elevation was estimated to be 80.0-feet. The existing soils within the FPC consist mostly of Type A soils. Floodplain impacts to Basins 200 and 300 north of US 98 will be compensated in FPC 300-NORTH-01.

FPC-300-North-02 Alternative

FPC 300-NORTH-02 is located right of the CL between Sta. 1151+47 to Sta. 1160+09 in Basin 300. This is an alternate floodplain compensation site. The compensation area is adjacent to the floodplain. The compensation area is on Parcel # 20-25-22-0000-01400-0000. A partial take of the parcel will be required for the floodplain compensation. An easement is proposed to provide access for maintenance to the FPC site. The proposed FPC area consists of a residential home site, open space, and woods. The ground elevations range from 80-feet to 92-feet, and the SHW elevation was estimated to be 80.0-feet. The existing soils within the FPC consist mostly of Type A soils. Floodplain impacts to Basins 200 and 300 north of US 98 will be compensated in FPC 300-NORTH-02.

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6. COST ESTIMATES

This report is a preliminary look at pond locations, so a construction cost estimate was not performed. Please see the value of each individual whole parcel per the Pasco County Property Appraiser in **Table 6-1**. Property costs provided by FDOT are shown in **Table 6-2** for the pond sites and **Table 6-3** for the floodplain compensation sites.

Table 6-1 Summary of Individual Whole Parcel Value

Pond ID	Parcel #	Parcel Area (Ac.)	Individual Whole Parcel Value ($)
SMF 200-1	34-25-22-0000-00200-0000	25.35	$124,239
	34-25-22-0010-00000-2640	1.03	$11,217
SMF 200-2	34-25-22-0000-00200-0000	25.35	$124,239
	34-25-22-0000-00200-0030	8.50	$206,846
	35-25-22-0000-00200-0000	30.48	$268,770
	34-25-22-0010-00000-2760	0.34	$3,703
SMF 300-1	29-25-22-0000-00100-0010	50.43	$395,976
SMF 300-2	29-25-22-0000-00100-0020	24.48	$237,174
	29-25-22-0020-00000-0200	2.00	$50,348
	29-25-22-0020-00000-0190	2.00	$50,348
	29-25-22-0020-00000-0180	2.00	$50,348
	29-25-22-0020-00000-0170	2.28	$51,441
	29-25-22-0020-00000-0160	2.00	$50,352
SMF 400-1	19-25-22-0000-00900-0000	49.71	$615,046
SMF 400-2	19-25-22-0000-01000-0000	30.54	$739,269
SMF 500-1	19-25-22-0000-00400-0030	8.02	$647,702
SMF 500-2	19-25-22-003A-00A00-0000	4.72	$150,628
SMF 600-1	19-25-22-0030-00000-0110	13.99	$123,958
SMF 600-2	13-25-21-0010-11200-0000	8.76	$110,695
SMF 700-1	13-25-21-0010-09400-0000	4.11	$63,077
SMF 700-2	13-25-21-0010-08600-0020	25.00	$540,000
SMF 800-1	13-25-21-0010-00700-0000	38.65	$368,164
SMF 800-2	13-25-21-0010-03700-0010	43.37	$416,472
SMF 900-1	11-25-21-0000-00600-0020	10.00	$177,784
	11-25-21-0000-00600-0030	8.96	$217,262
	11-25-21-0000-00600-0031	1.04	$62,778
SMF 900-2	12-25-21-0000-00900-0030	20.13	$167,542
	11-25-21-0000-02700-0000	30.00	$234,465
FPC 300-SOUTH-01	29-25-22-0000-00100-0010	50.43	$395,976
FPC 300-SOUTH-02	29-25-22-0000-00100-0020	24.48	$237,174
	20-25-22-0000-01200-0021	2.79	$20,222
FPC 300-NORTH-01	20-25-22-0000-01600-0000	17.67	$121,767
FPC 300-NORTH-02	20-25-22-0000-01400-0000	33.03	$178,412

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Table 6-2 Summary of R/W Costs – Stormwater Facilities

Pond ID	Parcel #	Easement	Pond Area (Ac.)	Additional R/W (Ac.)	Total Estimate ($) (****)
SMF 200-1	34-25-22-0000-00200-0000 (*)	N/A	8.19	14.48	$778,900
	34-25-22-0010-00000-2640 (*)	Drainage Easement		0.17	
SMF 200-2	34-25-22-0000-00200-0000 (*)	Drainage Easement	7.98	0.46	$482,700
	34-25-22-0000-00200-0030 (*)	Drainage Easement		0.23	
	35-25-22-0000-00200-0000 (*)	N/A		8.18	
	34-25-22-0010-00000-2760 (*)	Drainage Easement		0.17	
SMF 300-1	29-25-22-0000-00100-0010	N/A	12.37	50.43	$1,817,400
SMF 300-2	29-25-22-0000-00100-0020	N/A	11.26	24.48	$5,051,100
	29-25-22-0020-00000-0200	N/A		2.00	
	29-25-22-0020-00000-0190	N/A		2.00	
	29-25-22-0020-00000-0180	N/A		2.00	
	29-25-22-0020-00000-0170	N/A		2.28	
	29-25-22-0020-00000-0160	N/A		2.00	
SMF 400-1	19-25-22-0000-00900-0000 (*)	N/A	1.33	2.57	$245,500
SMF 400-2	19-25-22-0000-01000-0000 (*)	Ingress/ Egress Easement	1.10	1.77	$183,200
SMF 500-1	19-25-22-0000-00400-0030 (*)	N/A	1.01	1.66	$500,700
SMF 500-2	19-25-22-003A-00A00-0000 (*)	N/A	1.27	1.61	$381,300
SMF 600-1	19-25-22-0030-00000-0110 (*)	N/A	2.46	2.97	$132,900
SMF 600-2	13-25-21-0010-11200-0000 (*)	N/A	2.41	3.03	$330,200
SMF 700-1	13-25-21-0010-09400-0000 (*)	N/A	2.01	2.53	$421,100
SMF 700-2	13-25-21-0010-08600-0020 (*)	N/A	1.43	2.78	$300,000
SMF 800-1	13-25-21-0010-00700-0000 (*)	N/A	4.58	5.48	$188,900
SMF 800-2	13-25-21-0010-03700-0010 (*)	N/A	4.58	5.76	$220,200
SMF 900-1	11-25-21-0000-00600-0020 (**)	N/A	10.09	7.09	$423,900
	11-25-21-0000-00600-0030 (**)	N/A		6.80	
	11-25-21-0000-00600-0031 (**)	N/A		0.58	
SMF 900-2	12-25-21-0000-00900-0030 (*)	N/A	9.30	11.20	$464,200
	11-25-21-0000-02700-0000 (*)	N/A		1.77	

(*) Partial take.
(**) Parcel remainder from roadway right-of-way take.
(***) Includes floodplain compensation cost.
(****) Total estimates are based on FDOT's right-of-way estimate.

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Table 6-3 Summary of R/W Costs – Floodplain Compensation Sites

Floodplain Compensation ID	Parcel #	Easement	FPC Area (Ac.)	Additional R/W (Ac.)	Total Estimate ($), (**)
FPC 300-SOUTH-01	29-25-22-0000-00100-0010	N/A	34.63	37.37	Included in SMF 300-1
FPC 300-SOUTH-02	29-25-22-0000-00100-0020 (*)	N/A	20.47	21.00	Included in SMF 300-2
	20-25-22-0000-01200-0021	N/A		2.79	
FPC 300-NORTH-01	20-25-22-0000-01600-0000	Ingress/Egress Easement	5.59	10.45	$485,200
FPC 300-NORTH-02	20-25-22-0000-01400-0000	Ingress/Egress Easement	5.84	8.93	$563,100

(*) Partial take.
(**) Total estimates are based on FDOT's right-of-way estimate.

See **Table 6-4** for the summary of the preferred alternative estimated right-of-way costs for the stormwater facilities. See **Appendix 23** for the FDOT calculated right-of-way cost estimates.

Table 6-4 Summary of Preferred Alternative Estimated R/W Costs – Stormwater Facilities

Stormwater Facility ID	Cost Estimate ($)
SMF 200-1	$778,900
SMF 300-1 and FPC 300 SOUTH-01	$1,817,400
SMF 400-1	$245,500
SMF 500-1	$500,700
SMF 600-2	$330,200
SMF 700-1	$421,100
SMF 800-1	$188,900
SMF 900-1	$423,900
FPC 300 NORTH-01	$485,200
Total Stormwater R/W	**$5,191,800**

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7. CONCLUSIONS AND RECOMMENDATIONS

Potential ponds and flood compensation areas have been sized throughout the project limits for this study. Numerous stormwater management facilities were considered for their potential to serve each basin. The analysis estimates right-of-way needs using a volumetric analysis, which accounts for water quality treatment, water quantity for runoff attenuation, and floodplain impacts. Pond sizing and floodplain impact calculations are included in **Appendix 14**, of this Pond Siting Report. Please note that the recommendations were based on pond and floodplain compensation sizes determined from preliminary data, engineering judgment, and assumptions. Pond and floodplain compensation sizes and configurations may change during the final design as more detailed information becomes available. See **Appendix 6** for the proposed pond locations and floodplain compensation areas.

The alternative SMF and FPC matrices used to make a recommendation are included in **Appendix 14**. Lower scores mean better or more desired alternatives in the Pond Evaluation Matrices. Below is description of how each parcel factor was scored.

1. **Estimated right-of-way acquisition**: In general, the alternative with the lower cost would have a lower score and the alternative with the higher cost would have a higher score.

2. **Number of parcels impacted:** The alternative with the lower number of impacted parcels will have a lower score than that of the alternative with the higher number of impacted parcels.

3. **Whole or partial take:** The alternative with the lower number of whole parcels takes and the lower number of partial takes will have a lower score than that of the alternative with the higher number of whole parcels takes and higher number of partial takes.

4. **Long-term maintenance costs:** The alternative with the lower number of ponds to be maintained will have a lower score than that of the alternative with the greater number of ponds to be maintained. Each basin has similar stormwater management facility maintenance costs (when comparing their alternatives) as each basin has only one pond except for SMF 900-1 which has two ponds.

5. **Safety:** The alternative with pond locations at a safer location away (greater distance) from pedestrians, bicyclists, and vehicles will generally have a lower score than that of the alternative with a pond location with a less safe location which has a shorter distance from the pond to pedestrians, bicyclists, and vehicles.

6. **Floodplain impacts/Mitigation:** The alternative with no or lower amounts of floodplain impacts will have a lower score than that of the alternative with higher amounts of floodplain impacts.

7. **Contamination and Hazardous materials:** The alternative with no contamination will have a lower score than that of the alternative with contamination. Severity of hazardous contamination or materials will be considered for the scoring.

8. **Major utility conflict potential:** The alternative with no or lower amounts of utility impacts to septic and water wells will have a lower score than that of the alternative with higher amounts of utility impacts.

9. **Threatened or endangered species present in the area:** The alternative with no or lower numbers of threatened or endangered species will have a lower score than that of the alternative with higher numbers of threatened or endangered species. It is assumed that there may be threated or endangered species adjacent to the green swamp area and that there are not any in the upland area.

10. **Archeological/historical sites, and other Section 4(f) considerations:** The alternative with no or lower amounts of Archeological and Historical Sites will have a lower score than that of the alternative with higher amounts of Archeological and Historical Sites. Severity of the impact as well as the archeological and historical value will be considered for the scoring.

11. **Wetlands and other Environmental factors:** The alternative with no or lower amounts of wetland impacts will have a lower score than that of the alternative with higher amounts of wetland impacts. It is assumed that there may be wetland impacts adjacent to the green swamp area and that there are not any in the upland area.

12. **Geotechnical Issues (includes SHWT, soil type, and conveyance feasibility):** The alternative with a high depth to water table (based on existing grades), higher permeability, and better ability to convey the runoff to the pond will have a lower score than that of the alternative with a low depth to water table.

13. **Existing permits and land use:** The alternative with no existing permits or developed properties will have a lower score than that of the alternative with more existing permits or developed properties.

14. **Roadway low edge of pavement:** The alternative with higher edge of pavement elevations will have a lower score than that of the alternative with lower edge of pavement as a lower edge of pavement will make it more difficult to convey runoff to the pond.

15. **Constructability:** The alternative with lower costs of the SMF (pipes, inlets, control structures) will have a lower score than that of the alternative with higher costs of the SMF (pipes, inlets, control structures).

16. **Existing ground topography:** The alternative with existing topography that allow for appropriate pond locations, pond grading, pond tie-ins, outfalls, and better ability to convey the runoff to the pond will have a lower score than that of the alternative with existing topography than is limited by pond grading, pond tie-ins, and outfalls.

DRAFT

17. **Impacts on sidewalks and/or trails:** The alternative with lower number of impacts to sidewalks and trails will have a lower score than that of the alternative with higher impacts to sidewalks and trails.

18. **Access impacts on other parcels:** The alternative with a lower number of impacts to access other parcels will have a lower score than that of the alternative with a higher number of impacts to access to other parcels.

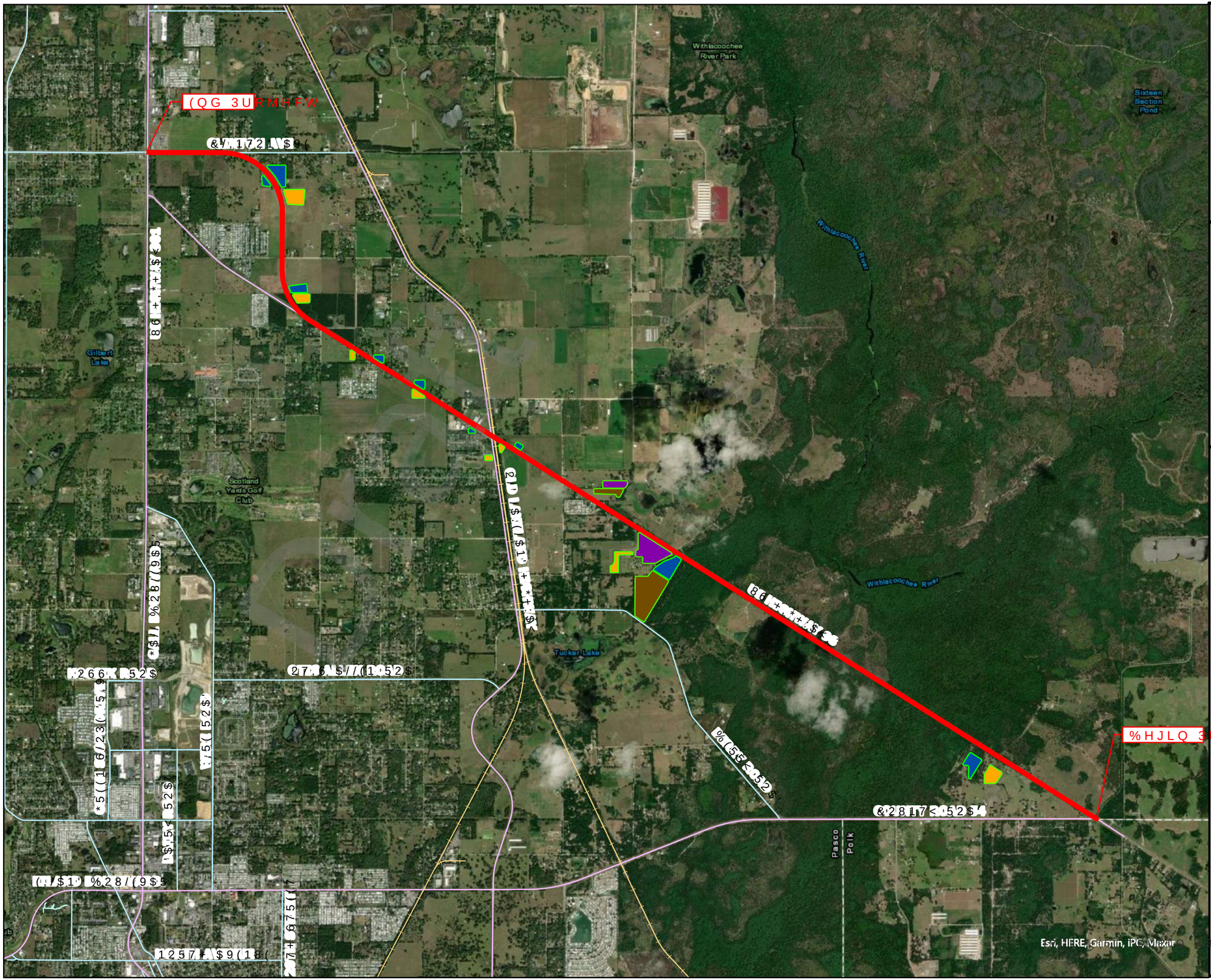
19. **Public opinion:** The alternative with a higher public opinion will have a lower score than that of the alternative with lower public opinion.

Basins 200, 300, 400, 500, 600, 700, 800 and 900 will require R/W to be purchased.

DRAFT

APPENDIX 1
Project Location Map

Draft



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APPENDIX 2

Straight Line Diagrams (SLD), Pasco County, Roadway ID 14070000

Straight Line Diagrams (SLD), Pasco County, Roadway ID 14050000

Draft

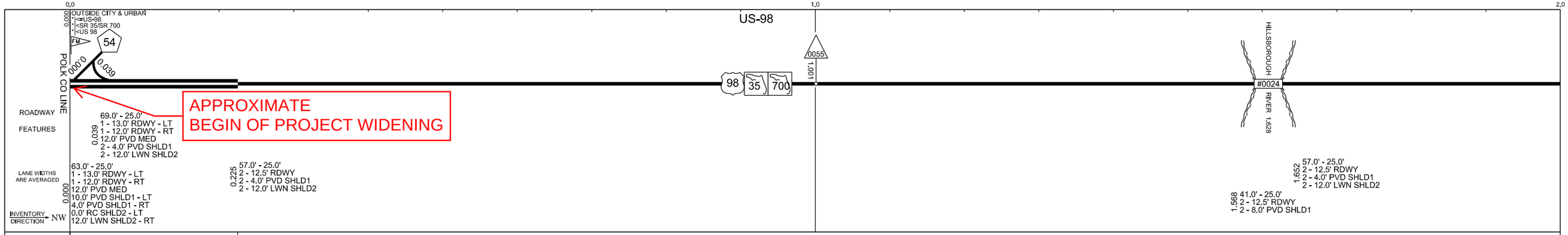
	5 YR INV	SLD REV
DATE	12/18/2019	03/29/2019
BY	FTE / IM-BK	FTE / KA

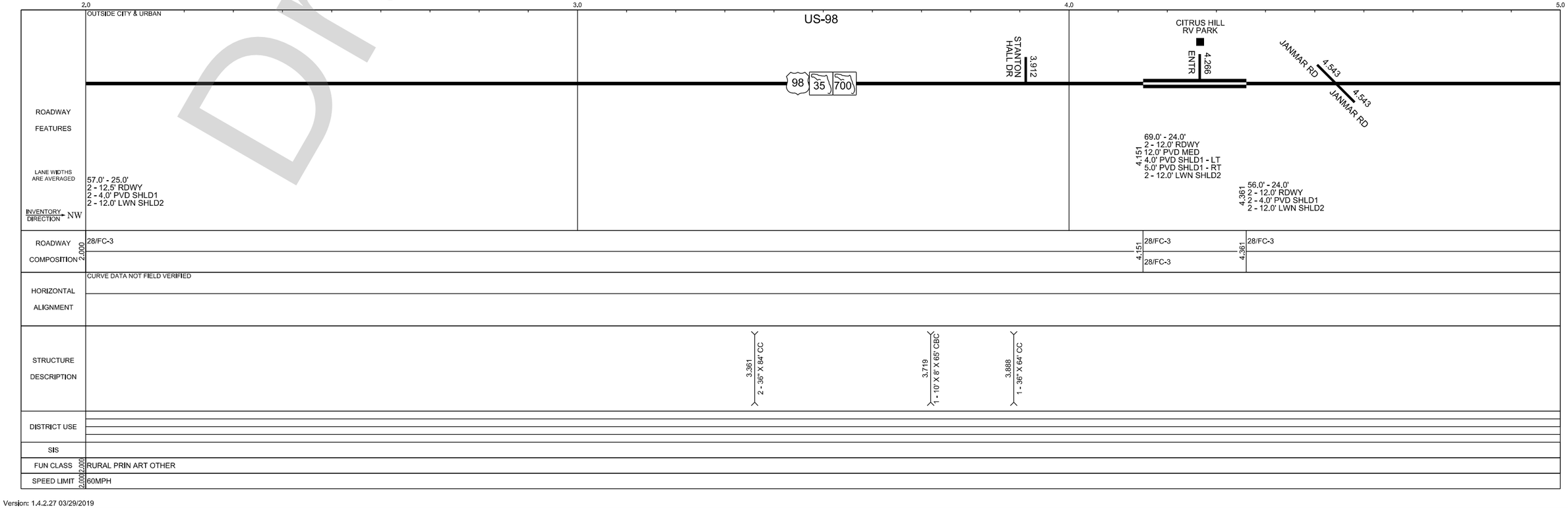
BMP	EMP	INV	SLD REV
7.250	7.250		03/30/2021
INTERSECTION			FTE/KA
CORRECTION			

FLORIDA DEPARTMENT OF TRANSPORTATION

STRAIGHT LINE DIAGRAM OF ROAD INVENTORY

SECTION STATUS	INT. or US ROUTE NO.	STATE ROAD NO.	COUNTY	DISTRICT	ROADWAY ID	SHEET NO:
02	US 98	SR 700/SR 35	PASCO	07	14 070 000	1 OF 2





Draft

Version: 1.4.2.27 03/29/2019

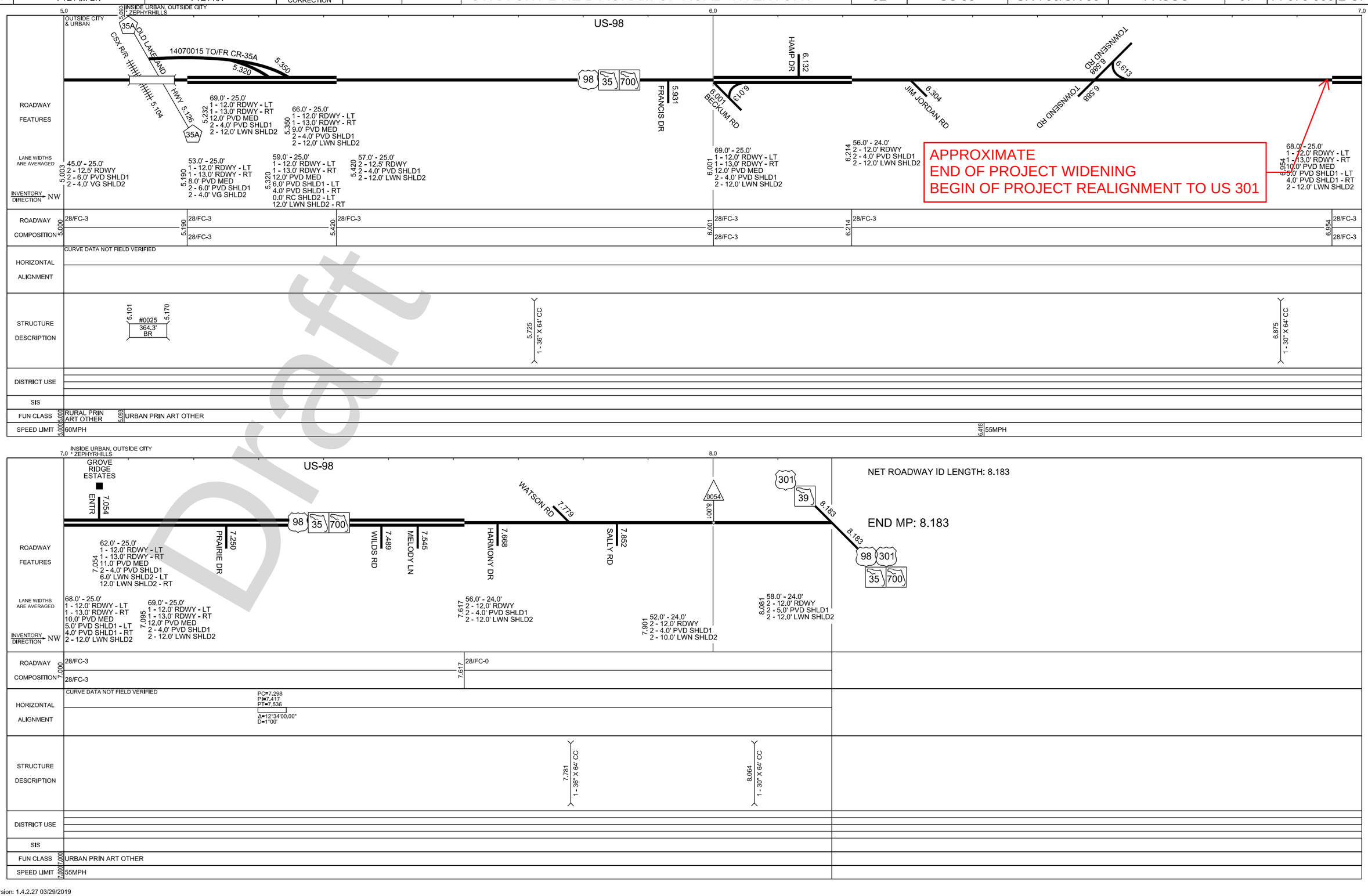
5 YR INV	SLD REV
DATE 12/18/2019	03/29/2019
BY FTE / IM-BK	FTE / KA

BMP	EMP	INV	SLD REV
7.250	7.250		03/30/2021
INTERSECTION CORRECTION			FTE/KA

FLORIDA DEPARTMENT OF TRANSPORTATION

STRAIGHT LINE DIAGRAM OF ROAD INVENTORY

SECTION STATUS	INT. or US ROUTE NO.	STATE ROAD NO.	COUNTY	DISTRICT	ROADWAY ID	SHEET NO:
02	US 98	SR 700/SR 35	PASCO	07	14 070 000	2 OF 2



Draft

Version: 1.4.2.27 03/29/2019

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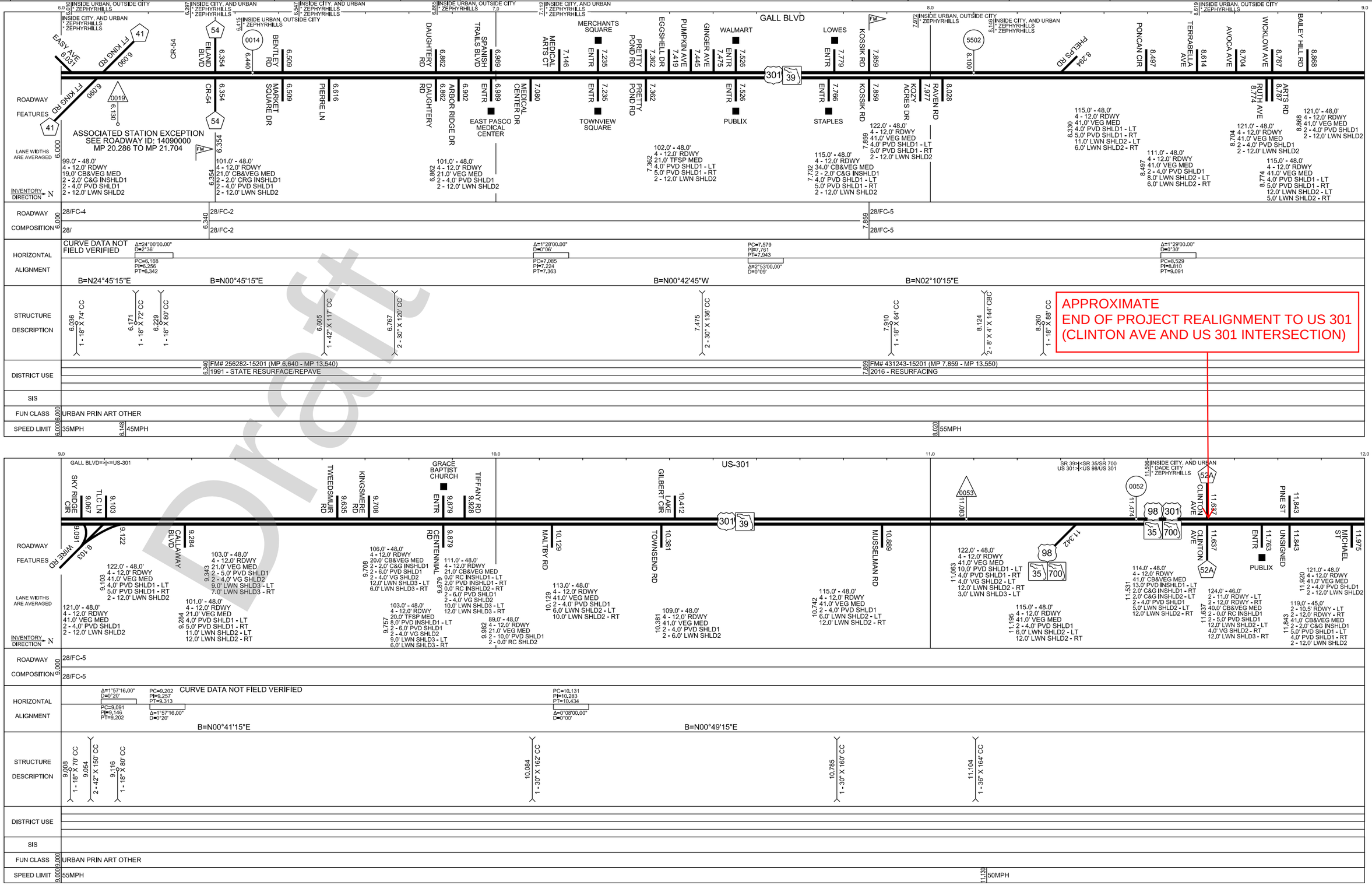
BY	FTE / JR-IM	FTE / KA	CONST ACCEPT - RESURFACING		FTE / IM-KA	FTE / KA

FLORIDA DEPARTMENT OF TRANSPORTATION

STRAIGHT LINE DIAGRAM OF ROAD INVENTORY

SECTION STATUS	INT. or US ROUTE NO.	STATE ROAD NO.	COUNTY	DISTRICT	ROADWAY ID	SHEET NO:
12	US 301/US 98	SR 41/SR 39/SR 35/SR 700	PASCO	07	14 050 000	2 OF 7



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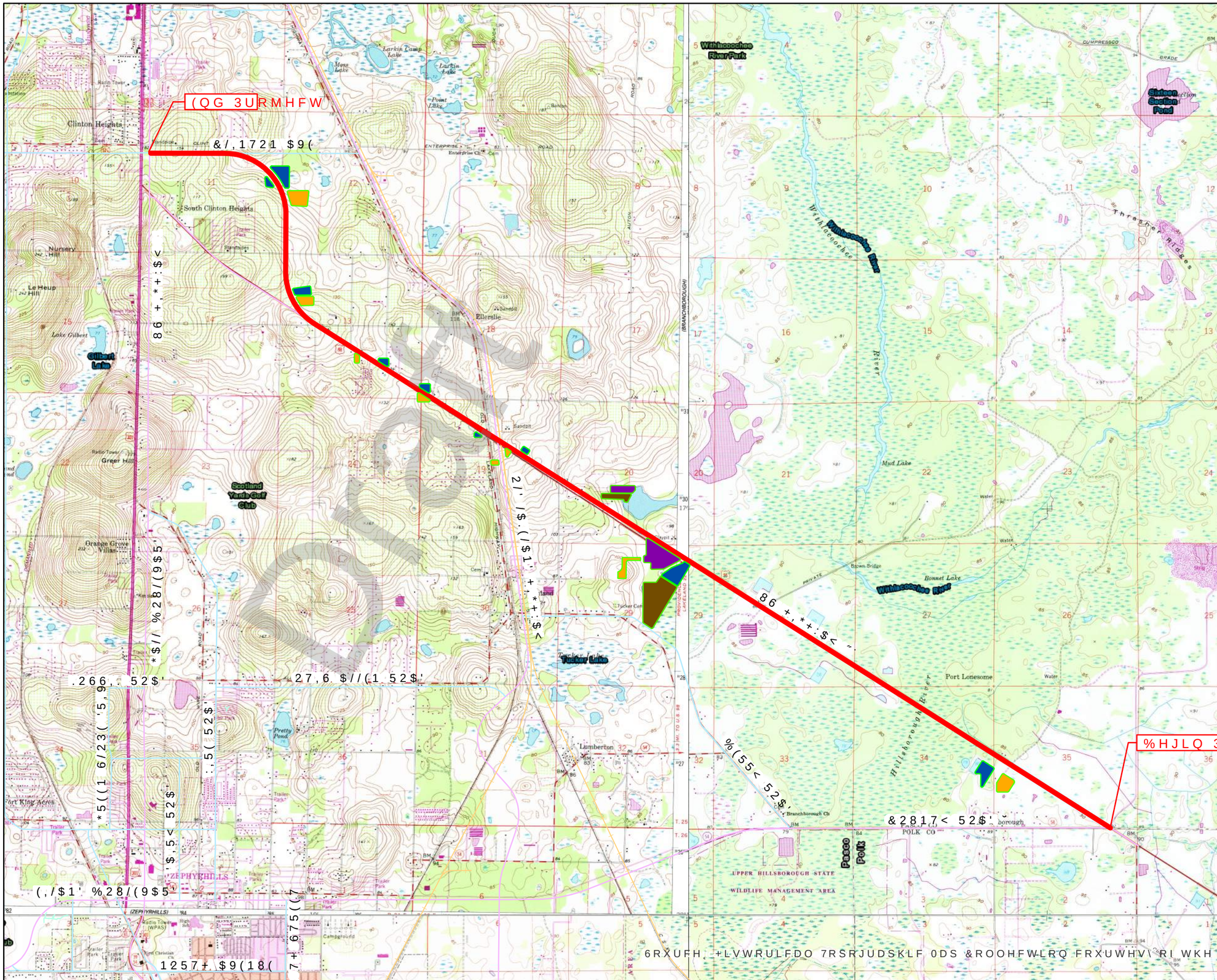
Version: 1.4.2.24 06/24/2016

APPENDIX 3
USGS Quadrangle Map

Draft



FDOT

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- $OWHUQDWH)ORRGSODLQ &R

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APPENDIX 4

Soils Map with Hydrologic Soil Group (HSG) with Pond Locations

NRCS Soils Map with Soil Names

NRCS Soils Map with Depth to Water Table

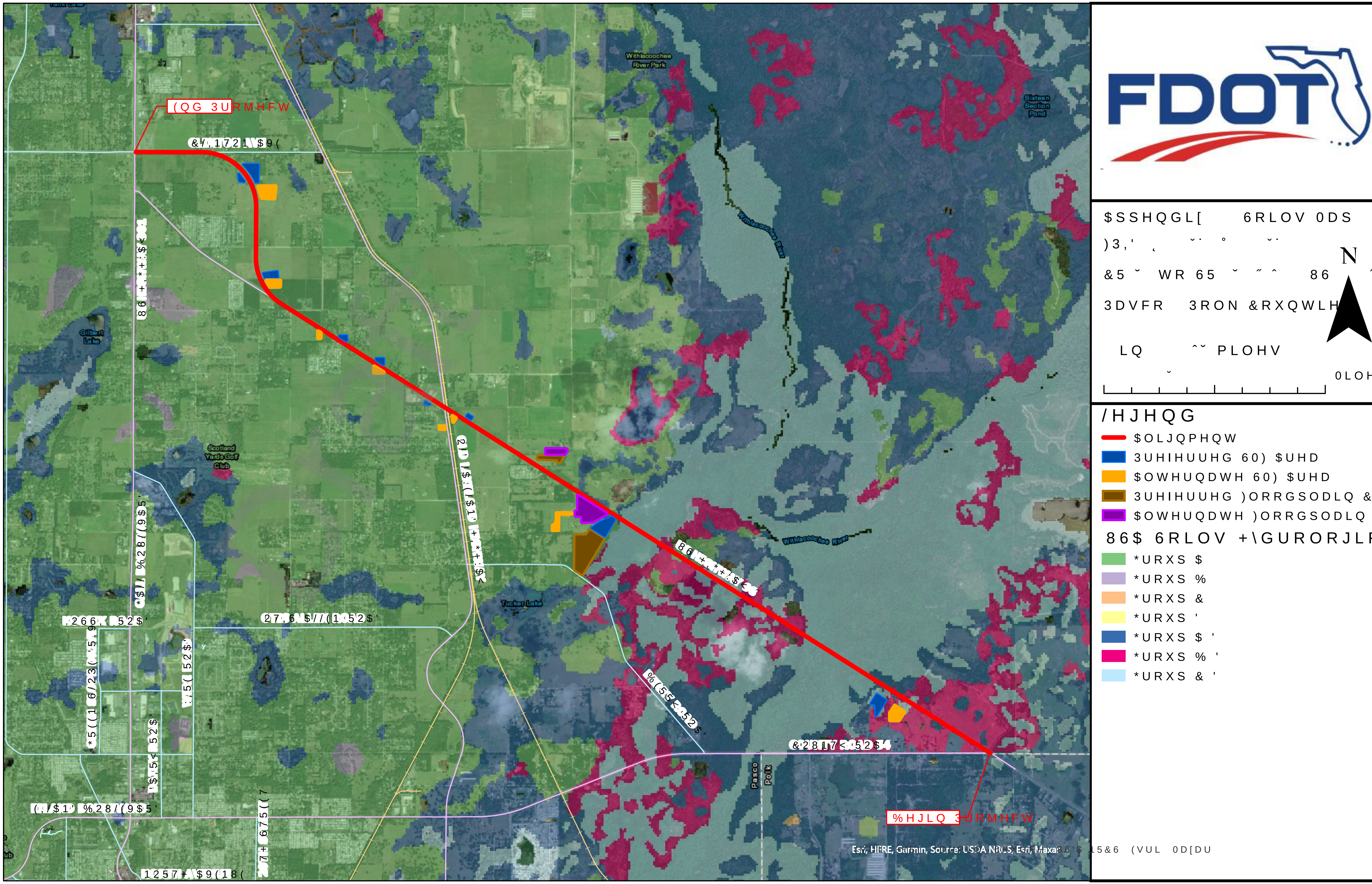
NRCS Soils Map with Flooding Frequency

NRCS Soils Map with Ponding Frequency

NRCS Soils Map with Hydrologic Soil Group (HSG)

NRCS Soils Map with Saturated Hydraulic Conductivity (Ksat)

Draft



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$OWHUQDWH 60) $UHD
3UHIHUUHG)ORRGSODLQ &RP
$OWHUQDWH)ORRGSODLQ &R
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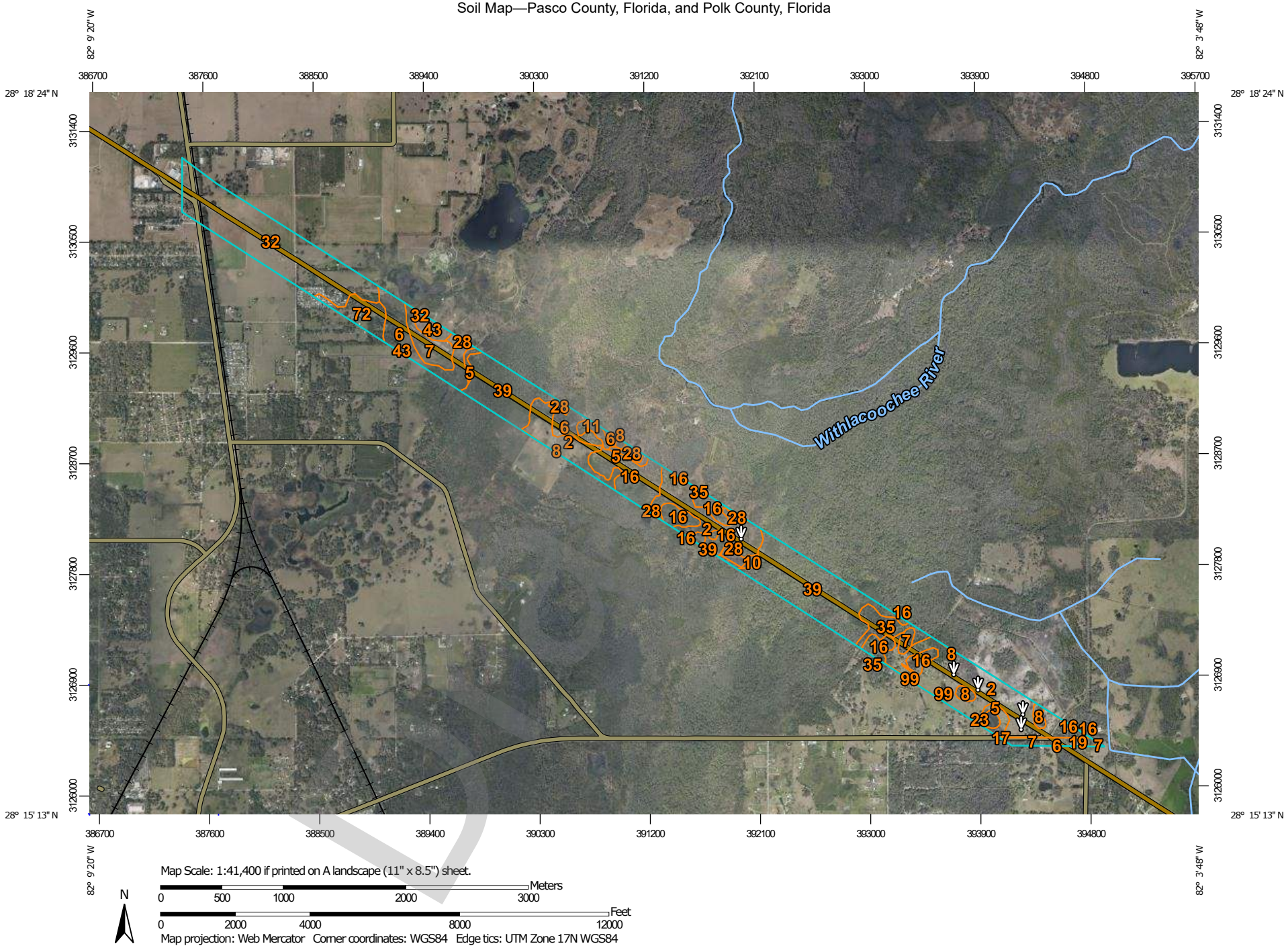
Withlacoochee River
Sixteen Section Pond
Gilbert Lake
Scotland Yards Golf Club
Tucker Lake
Pasco
Polk
Esri, HERE, Garmin, Source: USDA NRCS, Esri, Maxar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Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil Survey Area: Polk County, Florida
Survey Area Data: Version 18, Jun 11, 2020

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Feb 28, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

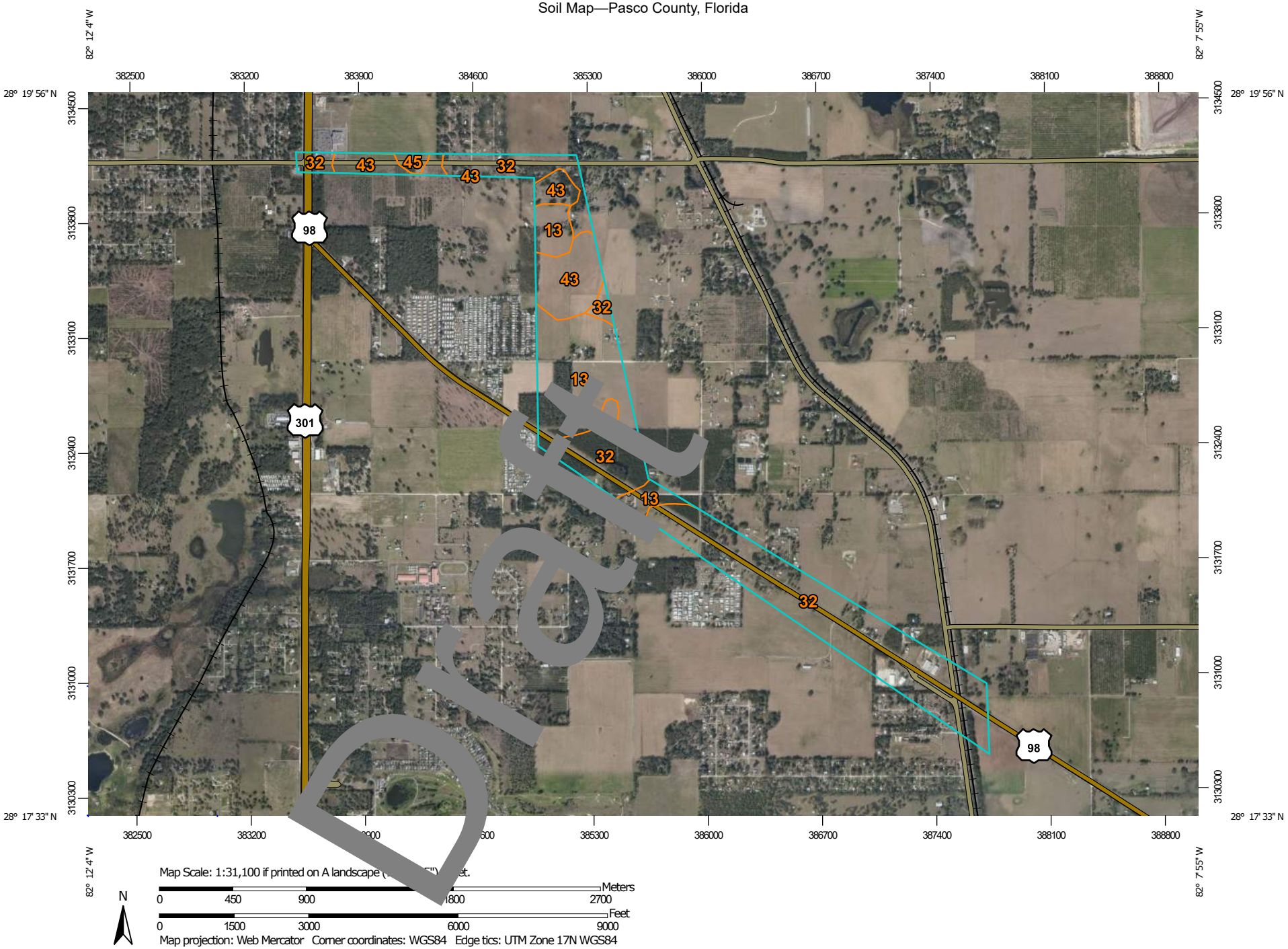
Draft

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2	Pomona fine sand	197.1	25.1%
5	Myakka-Myakka, wet, fine sands, 0 to 2 percent slopes	13.2	1.7%
6	Tavares sand, 0 to 5 percent slopes	57.1	7.3%
7	Sparr fine sand, 0 to 5 percent slopes	25.4	3.2%
8	Sellers mucky loamy fine sand	9.9	1.3%
10	Wabasso-Wabasso, wet, fine sand, 0 to 2 percent slopes	3.8	0.5%
11	Adamsville fine sand, 0 to 2 percent slopes	6.2	0.8%
16	Zephyr muck	79.9	10.2%
23	Basinger fine sand, depressional, 0 to 1 percent slopes	3.8	0.5%
28	Pits	14.1	1.8%
32	Lake fine sand, 0 to 5 percent slopes	149.1	19.0%
35	EauGallie fine sand	20.2	2.6%
39	Chobee soils, frequently flooded	157.9	20.1%
43	Arredondo fine sand, 0 to 5 percent slopes	9.3	1.2%
72	Orlando fine sand, 0 to 5 percent slopes	22.2	2.8%
99	Water	0.9	0.1%
Subtotals for Soil Survey Area		**770.2**	**98.2%**
Totals for Area of Interest		**784.1**	**100.0%**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
6	Eaton mucky fine sand, depressional	0.1	0.0%
7	Pomona fine sand	11.0	1.4%
17	Smyrna and Myakka fine sands	0.0	0.0%
19	Floridana mucky fine sand, frequently ponded, 0 to 1 percent slopes	1.5	0.2%
Subtotals for Soil Survey Area		**12.6**	**1.6%**
Totals for Area of Interest		**784.1**	**100.0%**

Draft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28° 19' 56" N
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Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Jan 29, 2019

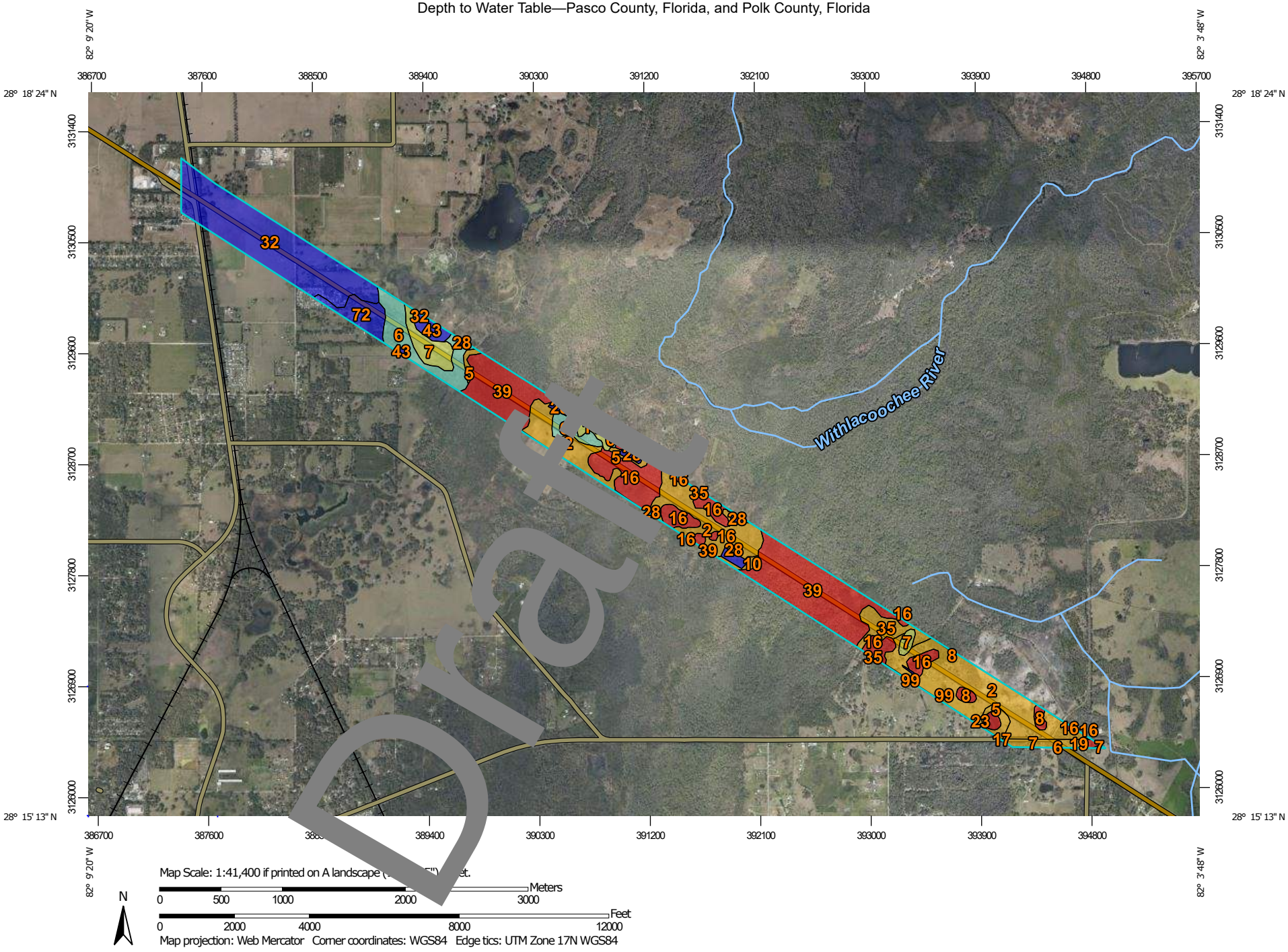
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Draft

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
13	Candler fine sand, 0 to 5 percent slopes	123.5	27.1%
32	Lake fine sand, 0 to 5 percent slopes	259.0	56.9%
43	Arredondo fine sand, 0 to 5 percent slopes	67.7	14.9%
45	Kendrick fine sand, 0 to 5 percent slopes	4.7	1.0%
Totals for Area of Interest		**454.9**	**100.0%**

Draft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82° 3' 48" W
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391200
392100
393000
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394800
395700
28° 18' 24" N
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3126900
3126000
Withlacoochee River
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Feet
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- Not rated or not available

Soil Rating Lines

- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- Not rated or not available

Soil Rating Points

- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil Survey Area: Polk County, Florida
Survey Area Data: Version 18, Jun 11, 2020

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Feb 28, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Draft

Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
2	Pomona fine sand	31	197.1	25.1%
5	Myakka-Myakka, wet, fine sands, 0 to 2 percent slopes	30	13.2	1.7%
6	Tavares sand, 0 to 5 percent slopes	145	57.1	7.3%
7	Sparr fine sand, 0 to 5 percent slopes	59	25.4	3.2%
8	Sellers mucky loamy fine sand	0	9.9	1.3%
10	Wabasso-Wabasso, wet, fine sand, 0 to 2 percent slopes	30	3.8	0.5%
11	Adamsville fine sand, 0 to 2 percent slopes	51	6.2	0.8%
16	Zephyr muck	0	79.9	10.2%
23	Basinger fine sand, depressional, 0 to 1 percent slopes	0	3.8	0.5%
28	Pits	>2	14.1	1.8%
32	Lake fine sand, 0 to 5 percent slopes	>200	149.1	19.0%
35	EauGallie fine	31	20.2	2.6%
39	Chobee soil	0	157.9	20.1%
43	Arredondo	>200	9.3	1.2%
72	Orlando fine sand, 0 to	22.2	2.8%	
99	Water	>200	0.9	0.1%
Subtotals for Soil Survey Area			**770.2**	**98.2%**
Totals for Area of Interest			**784.1**	**100.0%**

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
6	Eaton mucky fine sand, depressional	0	0.1	0.0%
7	Pomona fine sand	31	11.0	1.4%
17	Smyrna and Myakka fine sands	31	0.0	0.0%

Draft

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
19	Floridana mucky fine sand, frequently ponded, 0 to 1 percent slopes	0	1.5	0.2%
Subtotals for Soil Survey Area			**12.6**	**1.6%**
Totals for Area of Interest			**784.1**	**100.0%**

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

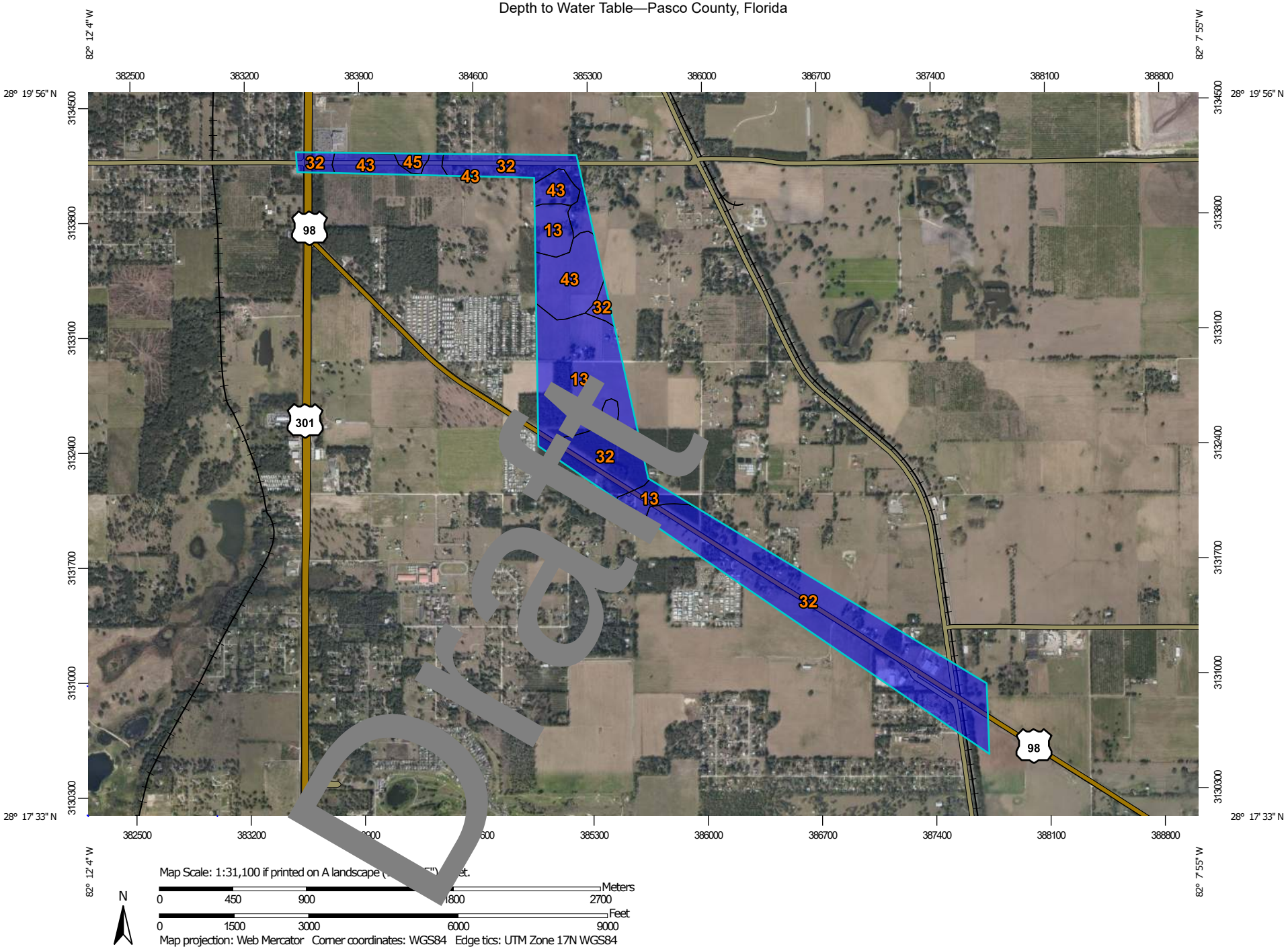
Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December

Draft

Depth to Water Table—Pasco County, Florida



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- Not rated or not available

Soil Rating Lines

- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- Not rated or not available

Soil Rating Points

- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Jan 29, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Draft

Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
13	Candler fine sand, 0 to 5 percent slopes	>200	123.5	27.1%
32	Lake fine sand, 0 to 5 percent slopes	>200	259.0	56.9%
43	Arredondo fine sand, 0 to 5 percent slopes	>200	67.7	14.9%
45	Kendrick fine sand, 0 to 5 percent slopes	>200	4.7	1.0%
Totals for Area of Interest			**454.9**	**100.0%**

Description

"Water table" refers to a saturated zone in the soil that occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

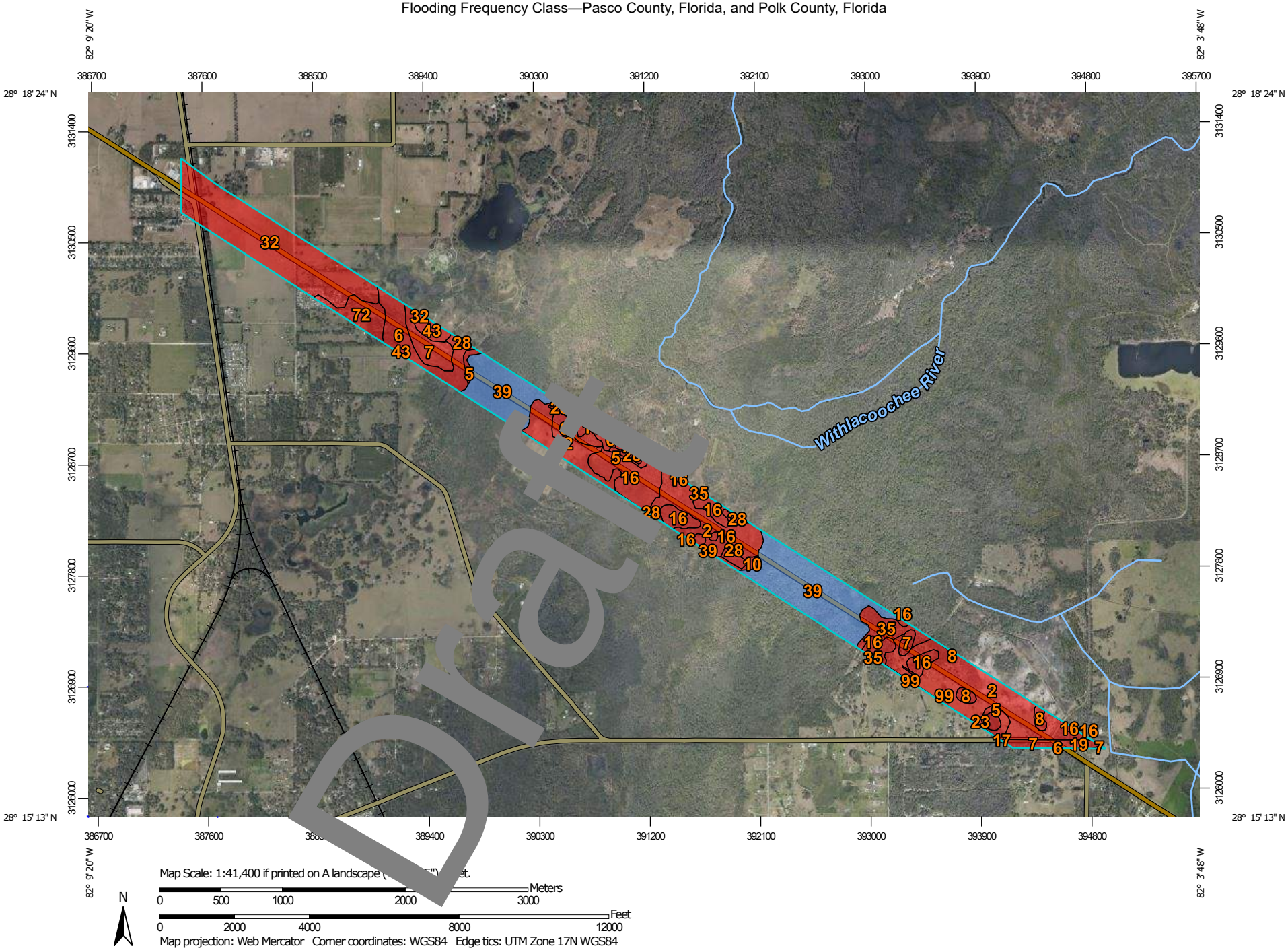
Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December

Draft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Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

- None
- Very Rare
- Rare
- Occasional
- Frequent
- Very Frequent
- Not rated or not available

Soil Rating Lines

- None
- Very Rare
- Rare
- Occasional
- Frequent
- Very Frequent
- Not rated or not available

Soil Rating Points

- None
- Very Rare
- Rare
- Occasional
- Frequent
- Very Frequent
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil Survey Area: Polk County, Florida
Survey Area Data: Version 18, Jun 11, 2020

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Feb 28, 2019

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Draft

Flooding Frequency Class

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
2	Pomona fine sand	None	197.1	25.1%
5	Myakka-Myakka, wet, fine sands, 0 to 2 percent slopes	None	13.2	1.7%
6	Tavares sand, 0 to 5 percent slopes	None	57.1	7.3%
7	Sparr fine sand, 0 to 5 percent slopes	None	25.4	3.2%
8	Sellers mucky loamy fine sand	None	9.9	1.3%
10	Wabasso-Wabasso, wet, fine sand, 0 to 2 percent slopes	None	3.8	0.5%
11	Adamsville fine sand, 0 to 2 percent slopes	None	6.2	0.8%
16	Zephyr muck	None	79.9	10.2%
23	Basinger fine sand, depressional, 0 to 1 percent slopes	None	3.8	0.5%
28	Pits	No	14.1	1.8%
32	Lake fine sand, 0 to 5 percent slopes	None	149.1	19.0%
35	EauGallie fine	None	20.2	2.6%
39	Chobee soil	Frequent	157.9	20.1%
43	Arredondo	None	9.3	1.2%
72	Orlando fine sand, 0 to		22.2	2.8%
99	Water	None	0.9	0.1%
Subtotals for Soil Survey Area			**770.2**	**98.2%**
Totals for Area of Interest			**784.1**	**100.0%**

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6	Eaton mucky fine sand, depressional	None	0.1	0.0%
7	Pomona fine sand	None	11.0	1.4%
17	Smyrna and Myakka fine sands	None	0.0	0.0%

Draft

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
19	Floridana mucky fine sand, frequently ponded, 0 to 1 percent slopes	None	1.5	0.2%
Subtotals for Soil Survey Area			**12.6**	**1.6%**
Totals for Area of Interest			**784.1**	**100.0%**

Description

Flooding is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent.

"None" means that flooding is not probable. The chance of flooding is nearly 0 percent in any year. Flooding occurs less than once in 500 years.

"Very rare" means that flooding is very unlikely but possible under extremely unusual weather conditions. The chance of flooding is less than 1 percent in any year.

"Rare" means that flooding is unlikely but possible under unusual weather conditions. The chance of flooding is 1 to 5 percent in any year.

"Occasional" means that flooding occurs infrequently under normal weather conditions. The chance of flooding is 5 to 50 percent in any year.

"Frequent" means that flooding is likely to occur often under normal weather conditions. The chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year.

"Very frequent" means that flooding is likely to occur very often under normal weather conditions. The chance of flooding is more than 50 percent in all months of any year.

Rating Options

Aggregation Method: Dominant Condition

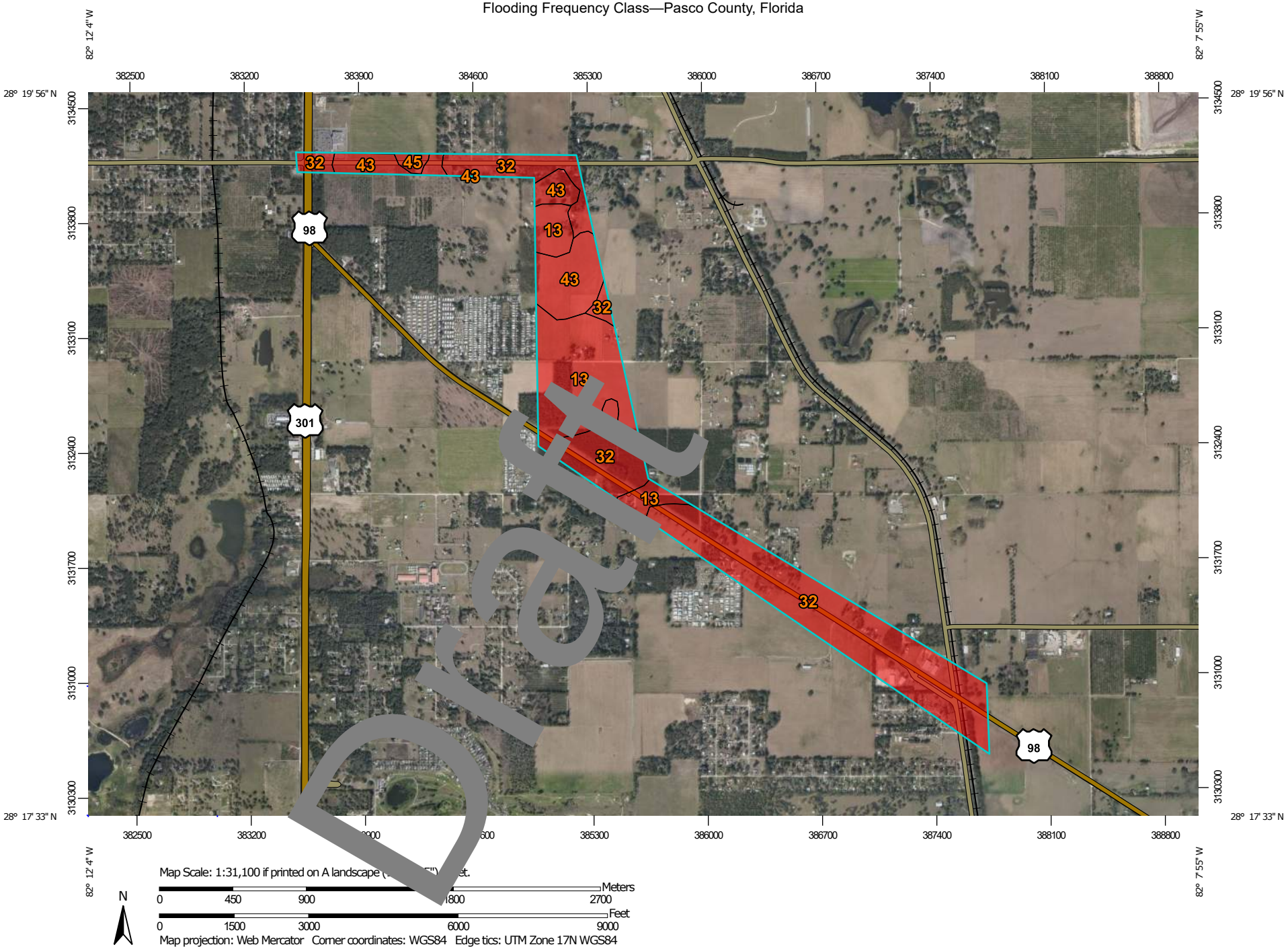
Component Percent Cutoff: None Specified

Tie-break Rule: More Frequent

Beginning Month: January

Ending Month: December

Draft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MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

- None
- Very Rare
- Rare
- Occasional
- Frequent
- Very Frequent
- Not rated or not available

Soil Rating Lines

- None
- Very Rare
- Rare
- Occasional
- Frequent
- Very Frequent
- Not rated or not available

Soil Rating Points

- None
- Very Rare
- Rare
- Occasional
- Frequent
- Very Frequent
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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Draft

Flooding Frequency Class

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
13	Candler fine sand, 0 to 5 percent slopes	None	123.5	27.1%
32	Lake fine sand, 0 to 5 percent slopes	None	259.0	56.9%
43	Arredondo fine sand, 0 to 5 percent slopes	None	67.7	14.9%
45	Kendrick fine sand, 0 to 5 percent slopes	None	4.7	1.0%
Totals for Area of Interest			**454.9**	**100.0%**

Description

Flooding is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent.

"None" means that flooding is not probable. The chance of flooding is nearly 0 percent in any year. Flooding occurs less than once in 500 years.

"Very rare" means that flooding is very unlikely but possible under extremely unusual weather conditions. The chance of flooding is less than 1 percent in any year.

"Rare" means that flooding is unlikely but possible under unusual weather conditions. The chance of flooding is 1 to 5 percent in any year.

"Occasional" means that flooding occurs infrequently under normal weather conditions. The chance of flooding is 5 to 50 percent in any year.

"Frequent" means that flooding is likely to occur often under normal weather conditions. The chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year.

"Very frequent" means that flooding is likely to occur very often under normal weather conditions. The chance of flooding is more than 50 percent in all months of any year.

Draft

Rating Options

Aggregation Method: Dominant Condition

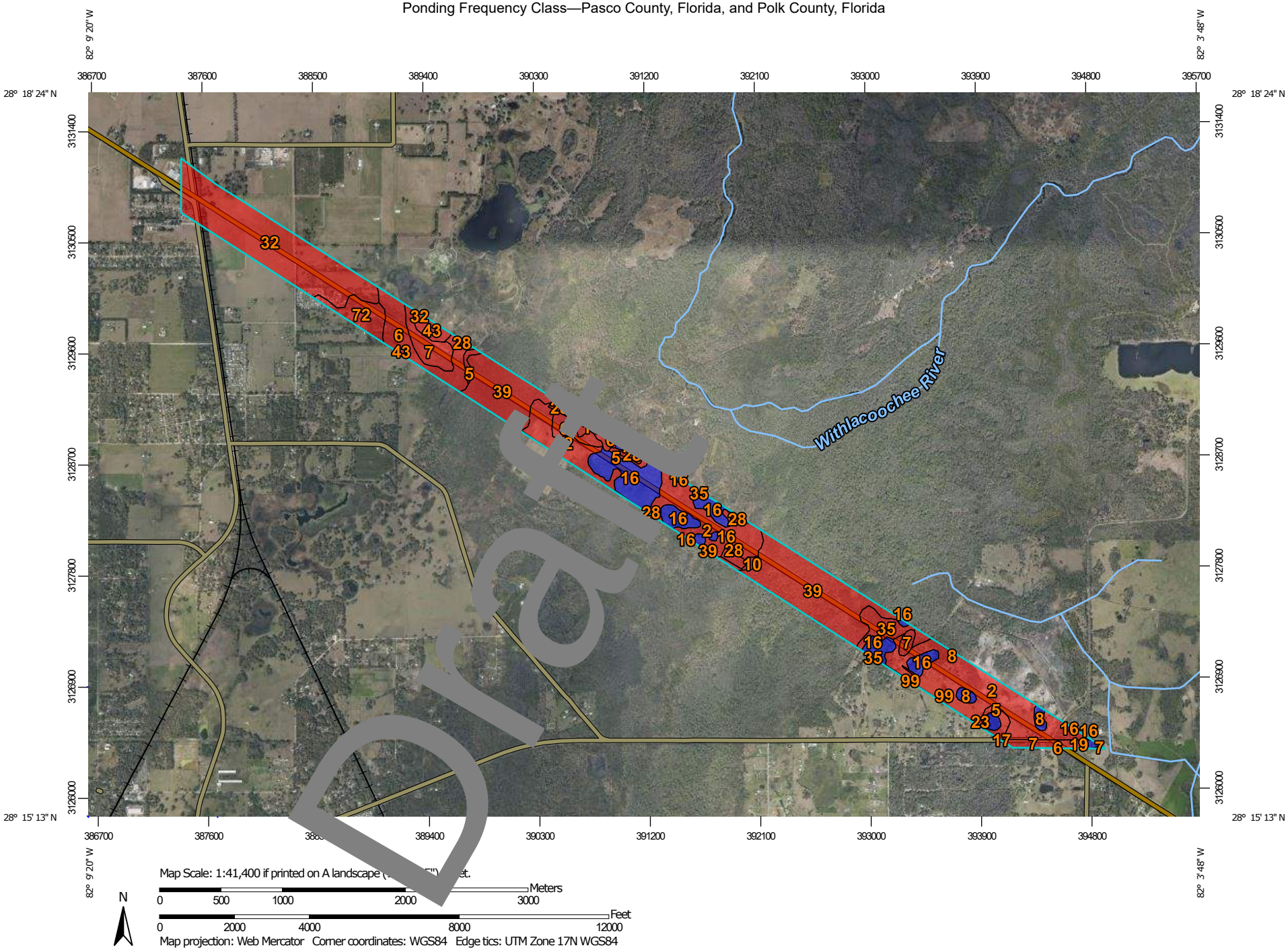
Component Percent Cutoff: None Specified

Tie-break Rule: More Frequent

Beginning Month: January

Ending Month: December

Draft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Map Scale: 1:41,400 if printed on A landscape (11" x 8.5") sheet.
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Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- None
- Rare
- Occasional
- Frequent
- Not rated or not available

Soil Rating Lines
- None
- Rare
- Occasional
- Frequent
- Not rated or not available

Soil Rating Points
- None
- Rare
- Occasional
- Frequent
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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Survey Area Data: Version 19, Jun 9, 2020

Soil Survey Area: Polk County, Florida
Survey Area Data: Version 18, Jun 11, 2020

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Draft

Ponding Frequency Class

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
2	Pomona fine sand	None	197.1	25.1%
5	Myakka-Myakka, wet, fine sands, 0 to 2 percent slopes	None	13.2	1.7%
6	Tavares sand, 0 to 5 percent slopes	None	57.1	7.3%
7	Sparr fine sand, 0 to 5 percent slopes	None	25.4	3.2%
8	Sellers mucky loamy fine sand	Frequent	9.9	1.3%
10	Wabasso-Wabasso, wet, fine sand, 0 to 2 percent slopes	None	3.8	0.5%
11	Adamsville fine sand, 0 to 2 percent slopes	None	6.2	0.8%
16	Zephyr muck	Frequent	79.9	10.2%
23	Basinger fine sand, depressional, 0 to 1 percent slopes	Frequent	3.8	0.5%
28	Pits	None	14.1	1.8%
32	Lake fine sand, 0 to 5 percent slopes	None	149.1	19.0%
35	EauGallie fine sand	None	20.2	2.6%
39	Chobee soils, frequently flooded	None	157.9	20.1%
43	Arredondo fine sand, 0 to 5 percent slopes	None	9.3	1.2%
72	Orlando fine sand, 0 to 5 percent slopes	None	22.2	2.8%
99	Water	None	0.9	0.1%
Subtotals for Soil Survey Area			**770.2**	**98.2%**
Totals for Area of Interest			**784.1**	**100.0%**

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6	Eaton mucky fine sand, depressional	Frequent	0.1	0.0%
7	Pomona fine sand	None	11.0	1.4%
17	Smyrna and Myakka fine sands	None	0.0	0.0%

Draft

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
19	Floridana mucky fine sand, frequently ponded, 0 to 1 percent slopes	Frequent	1.5	0.2%
Subtotals for Soil Survey Area			**12.6**	**1.6%**
Totals for Area of Interest			**784.1**	**100.0%**

Description

Ponding is standing water in a closed depression. The water is removed only by deep percolation, transpiration, or evaporation or by a combination of these processes. Ponding frequency classes are based on the number of times that ponding occurs over a given period. Frequency is expressed as none, rare, occasional, and frequent.

"None" means that ponding is not probable. The chance of ponding is nearly 0 percent in any year.

"Rare" means that ponding is unlikely but possible under unusual weather conditions. The chance of ponding is nearly 0 percent to 5 percent in any year.

"Occasional" means that ponding occurs, on the average, once or less in 2 years. The chance of ponding is 5 to 50 percent in any year.

"Frequent" means that ponding occurs, on the average, more than once in 2 years. The chance of ponding is more than 50 percent in any year.

Rating Options

Aggregation Method: Dominant Condition

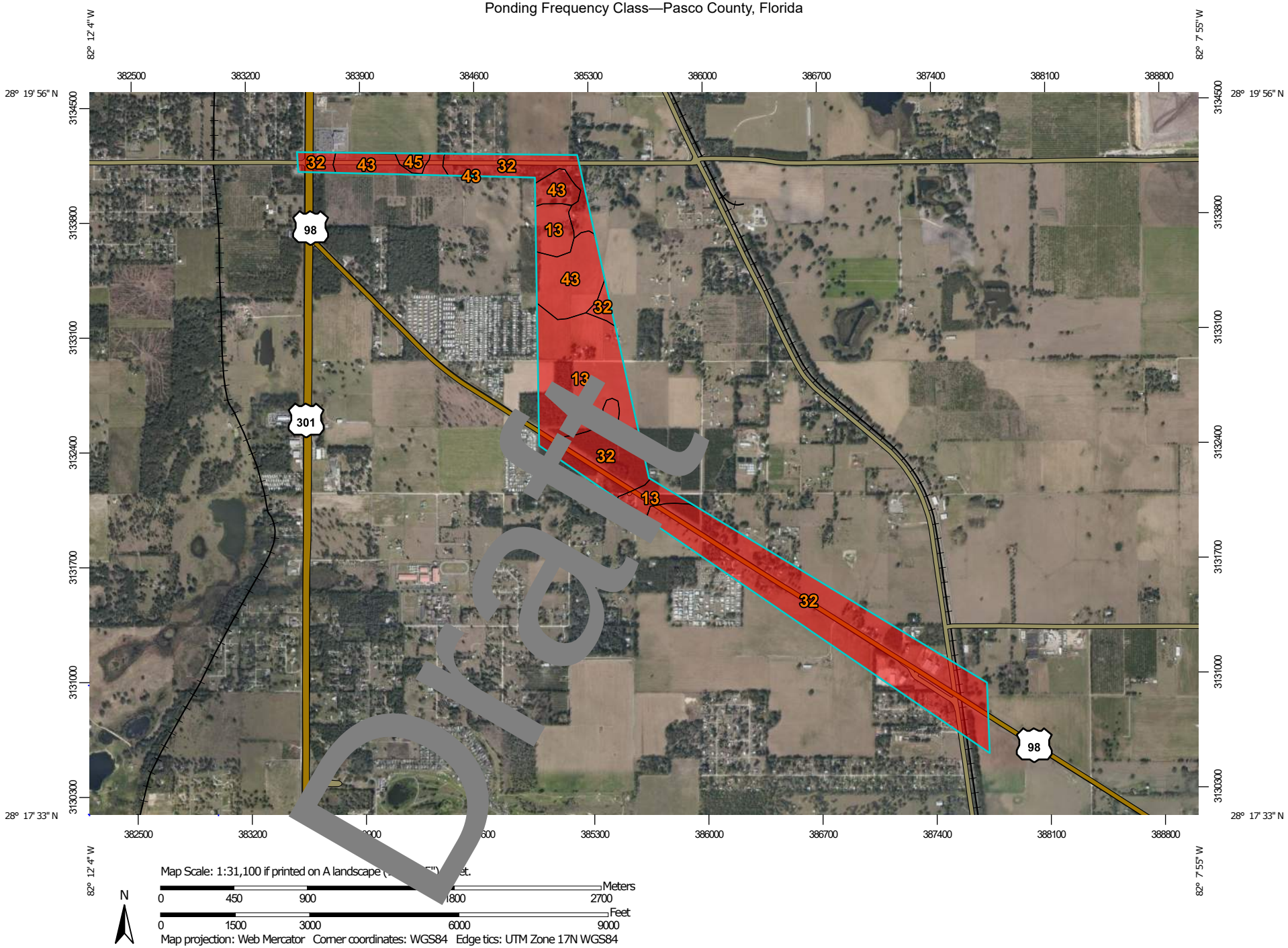
Component Percent Cutoff: None Specified

Tie-break Rule: More Frequent

Beginning Month: January

Ending Month: December

Draft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Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- None
- Rare
- Occasional
- Frequent
- Not rated or not available

Soil Rating Lines
- None
- Rare
- Occasional
- Frequent
- Not rated or not available

Soil Rating Points
- None
- Rare
- Occasional
- Frequent
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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Draft

Ponding Frequency Class

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
13	Candler fine sand, 0 to 5 percent slopes	None	123.5	27.1%
32	Lake fine sand, 0 to 5 percent slopes	None	259.0	56.9%
43	Arredondo fine sand, 0 to 5 percent slopes	None	67.7	14.9%
45	Kendrick fine sand, 0 to 5 percent slopes	None	4.7	1.0%
Totals for Area of Interest			**454.9**	**100.0%**

Description

Ponding is standing water in a closed depression. The water is removed only by deep percolation, transpiration, or evaporation or by a combination of these processes. Ponding frequency classes are based on the number of times that ponding occurs over a given period. Frequency is expressed as none, rare, occasional, and frequent.

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"Frequent" means that ponding occurs, on the average, more than once in 2 years. The chance of ponding is more than 50 percent in any year.

Rating Options

Aggregation Method: Dominant Condition

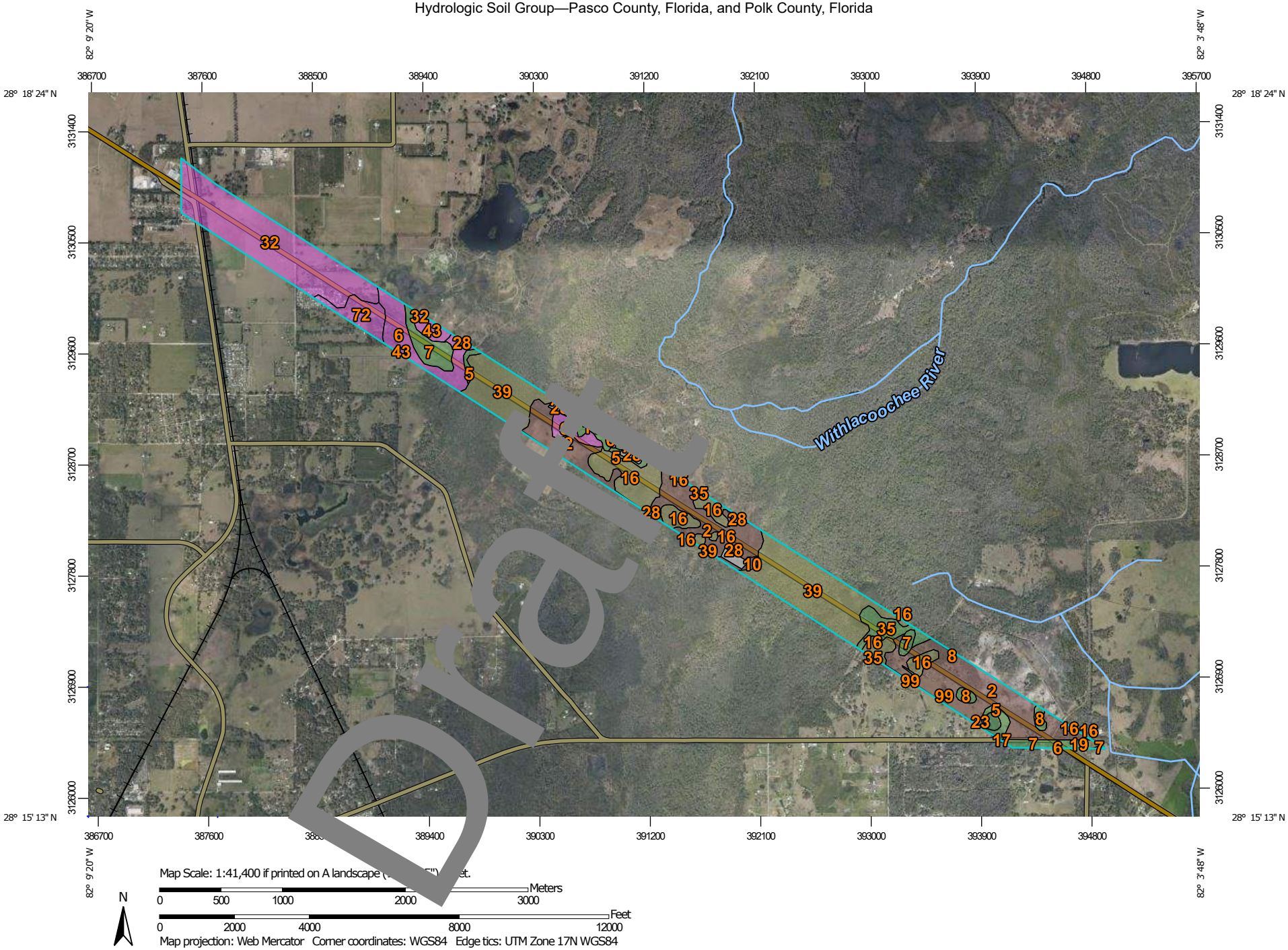
Component Percent Cutoff: None Specified

Tie-break Rule: More Frequent

Beginning Month: January

Ending Month: December

Draft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Map Scale: 1:41,400 if printed on A landscape (11" x 8.5") sheet.
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Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Route
- Ma[illegible] Roads
- L[illegible] Roa[illegible]

Background

- Aerial [illegible]hotog[illegible]

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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Survey Area Data: Version 19, Jun 9, 2020

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Survey Area Data: Version 18, Jun 11, 2020

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Draft

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
2	Pomona fine sand	B/D	197.1	25.1%
5	Myakka-Myakka, wet, fine sands, 0 to 2 percent slopes	A/D	13.2	1.7%
6	Tavares sand, 0 to 5 percent slopes	A	57.1	7.3%
7	Sparr fine sand, 0 to 5 percent slopes	A/D	25.4	3.2%
8	Sellers mucky loamy fine sand	A/D	9.9	1.3%
10	Wabasso-Wabasso, wet, fine sand, 0 to 2 percent slopes	B/D	3.8	0.5%
11	Adamsville fine sand, 0 to 2 percent slopes	A/D	6.2	0.8%
16	Zephyr muck	C/D	79.9	10.2%
23	Basinger fine sand, depressional, 0 to 1 percent slopes	A/D	3.8	0.5%
28	Pits		14.1	1.8%
32	Lake fine sand, 0 to 5 percent slopes	A	149.1	19.0%
35	EauGallie fine [illegible]nd	A/D	20.2	2.6%
39	Chobee soil [illegible]requently flooded	C/D	157.9	20.1%
43	Arredondo [illegible]nd, 0 to 5 percent sl[illegible]	A	9.3	1.2%
72	Orlando fine sand, 0 to [illegible] percent slopes		22.2	2.8%
99	Water		0.9	0.1%
Subtotals for Soil Survey Area			**770.2**	**98.2%**
Totals for Area of Interest			**784.1**	**100.0%**

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6	Eaton mucky fine sand, depressional	C/D	0.1	0.0%
7	Pomona fine sand	A/D	11.0	1.4%
17	Smyrna and Myakka fine sands	A/D	0.0	0.0%

Draft

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
19	Floridana mucky fine sand, frequently ponded, 0 to 1 percent slopes	C/D	1.5	0.2%
Subtotals for Soil Survey Area			**12.6**	**1.6%**
Totals for Area of Interest			**784.1**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

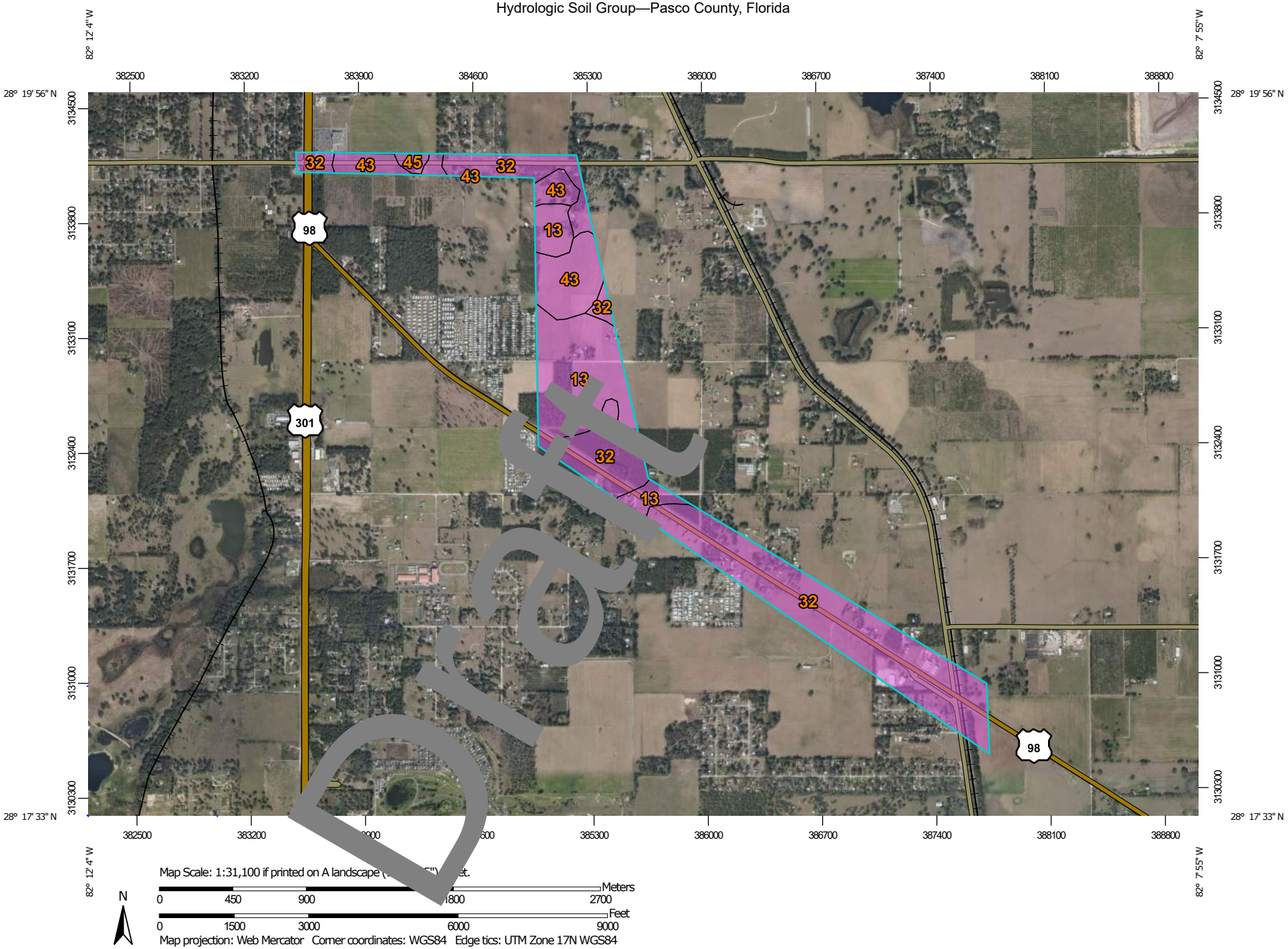
Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Draft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Draft
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Feet
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6000
9000
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Route
- Ma[illegible] Roads
- L[illegible] Roa[illegible]

Background

- Aerial [illegible]hotog[illegible]

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Jan 29, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Draft

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
13	Candler fine sand, 0 to 5 percent slopes	A	123.5	27.1%
32	Lake fine sand, 0 to 5 percent slopes	A	259.0	56.9%
43	Arredondo fine sand, 0 to 5 percent slopes	A	67.7	14.9%
45	Kendrick fine sand, 0 to 5 percent slopes	A	4.7	1.0%
Totals for Area of Interest			**454.9**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Draft

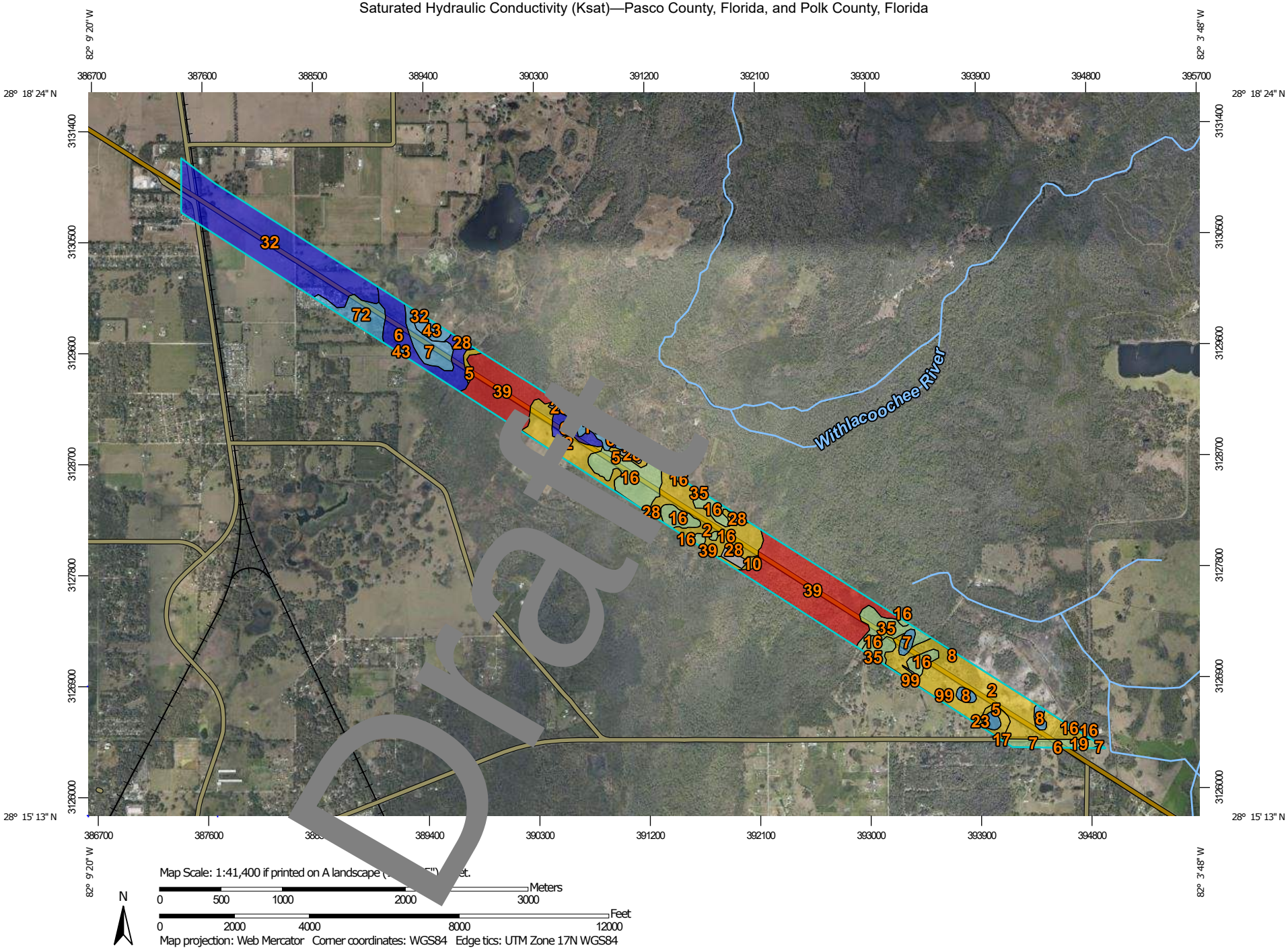
Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Draft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Map Scale: 1:41,400 if printed on A landscape (
Meters
0 500 1000 2000 3000
Feet
0 2000 4000 8000 12000
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Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

- <= 9.1000
- > 9.1000 and <= 66.4615
- > 66.4615 and <= 81.9890
- > 81.9890 and <= 92.0000
- > 92.0000 and <= 198.0000
- Not rated or not available

Soil Rating Lines

- <= 9.1000
- > 9.1000 and <= 66.4615
- > 66.4615 and <= 81.9890
- > 81.9890 and <= 92.0000
- > 92.0000 and <= 198.0000
- Not rated or not available

Soil Rating Points

- <= 9.1000
- > 9.1000 and <= 66.4615
- > 66.4615 and <= 81.9890
- > 81.9890 a[illegible] <= 92.0000
- > 92.00[illegible]nd <= 198.00
- Not ra[illegible]t available

Water Features

Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

Aerial Photography

Draft

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil Survey Area: Polk County, Florida
Survey Area Data: Version 18, Jun 11, 2020

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Feb 28, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Saturated Hydraulic Conductivity (Ksat)

Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
2	Pomona fine sand	60.0769	197.1	25.1%
5	Myakka-Myakka, wet, fine sands, 0 to 2 percent slopes	61.6703	13.2	1.7%
6	Tavares sand, 0 to 5 percent slopes	198.0000	57.1	7.3%
7	Sparr fine sand, 0 to 5 percent slopes	92.0000	25.4	3.2%
8	Sellers mucky loamy fine sand	92.0000	9.9	1.3%
10	Wabasso-Wabasso, wet, fine sand, 0 to 2 percent slopes	66.4615	3.8	0.5%
11	Adamsville fine sand, 0 to 2 percent slopes	92.0000	6.2	0.8%
16	Zephyr muck	79.9868	79.9	10.2%
23	Basinger fine sand, depressional, 0 to 1 percent slopes	91.74	3.8	0.5%
28	Pits		14.1	1.8%
32	Lake fine sand, 0 to percent slope	6700	149.1	19.0%
35	EauGallie fi and	76.8352	20.2	2.6%
39	Chobee s frequently floode	9.1000	157.9	20.1%
43	Arredondo fine s to 5 percent slope	92.0000	9.3	1.2%
72	Orlando fine sand, 0 to 5 percent slopes	92.	22.2	2.8%
99	Water		0.9	0.1%
Subtotals for Soil Survey Area			**770.2**	**98.2%**
Totals for Area of Interest			**784.1**	**100.0%**

Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
6	Eaton mucky fine sand, depressional	74.9813	0.1	0.0%
7	Pomona fine sand	78.2967	11.0	1.4%
17	Smyrna and Myakka fine sands	66.2198	0.0	0.0%

Draft

Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
19	Floridana mucky fine sand, frequently ponded, 0 to 1 percent slopes	81.9890	1.5	0.2%
Subtotals for Soil Survey Area			**12.6**	**1.6%**
Totals for Area of Interest			**784.1**	**100.0%**

Description

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity is considered in the design of soil drainage systems and septic tank absorption fields.

For each soil layer, this attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

The numeric Ksat values have been grouped according to standard Ksat class limits.

Rating Options

Units of Measure: micrometers per second

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Fastest

Interpret Nulls as Zero: No

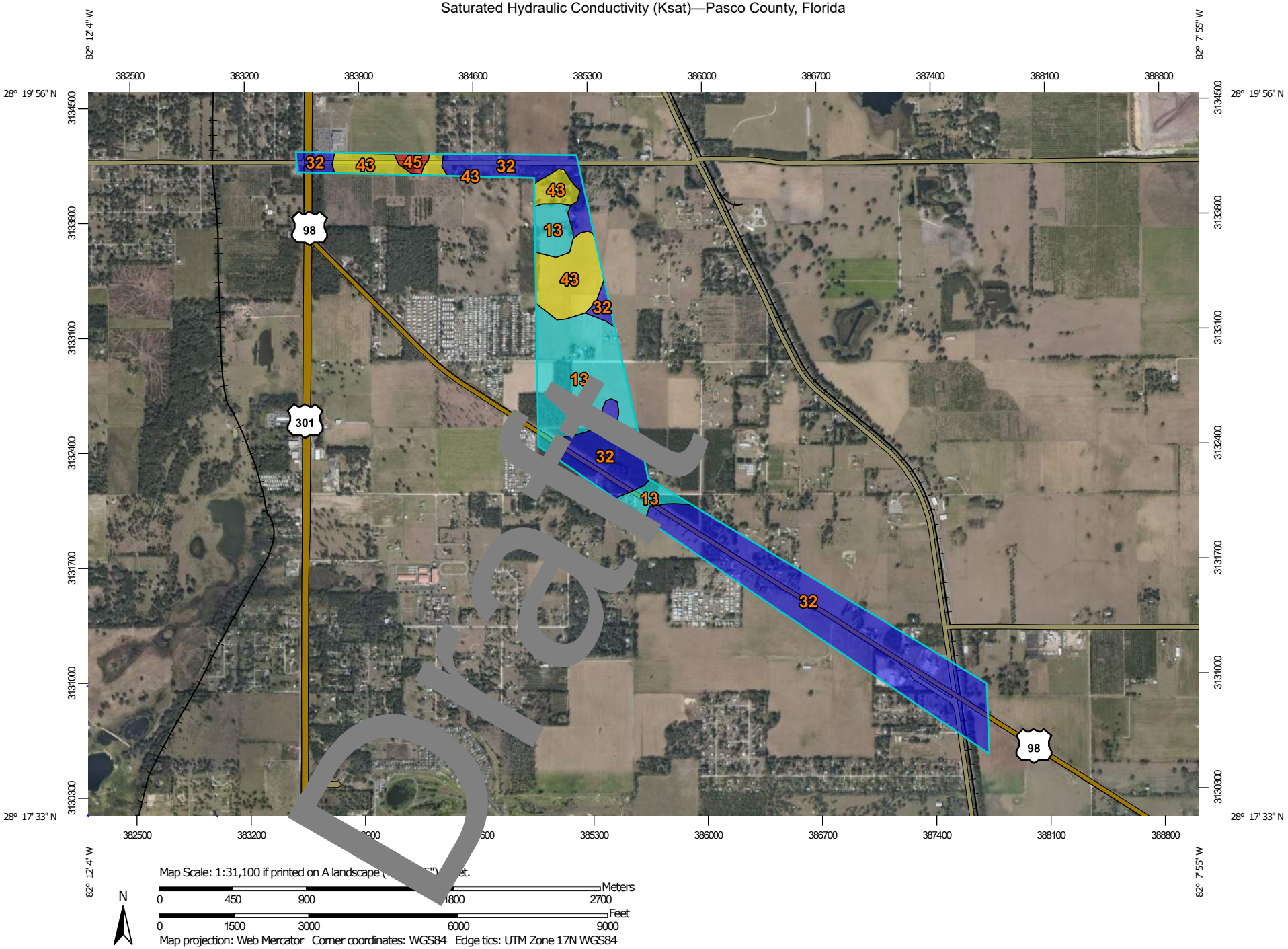
Layer Options (Horizon Aggregation Method): Depth Range (Weighted Average)

Top Depth: 0

Bottom Depth: 36

Units of Measure: Inches

Draft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Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

- <= 76.6843
- > 76.6843 and <= 92.0000
- > 92.0000 and <= 141.0000
- > 141.0000 and <= 197.6700
- Not rated or not available

Soil Rating Lines

- <= 76.6843
- > 76.6843 and <= 92.0000
- > 92.0000 and <= 141.0000
- > 141.0000 and <= 197.6700
- Not rated or not available

Soil Rating Points

- <= 76.6843
- > 76.6843 and <= 92.0000
- > 92.0000 and <= 141.0000
- > 141.0000 and <= 197.6700
- Not rated or n...

Water Features

- Streams ... Canals

Transportation

- Rails
- Interstate Highway...
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Jan 29, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Draft

Saturated Hydraulic Conductivity (Ksat)

Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
13	Candler fine sand, 0 to 5 percent slopes	141.0000	123.5	27.1%
32	Lake fine sand, 0 to 5 percent slopes	197.6700	259.0	56.9%
43	Arredondo fine sand, 0 to 5 percent slopes	92.0000	67.7	14.9%
45	Kendrick fine sand, 0 to 5 percent slopes	76.6843	4.7	1.0%
Totals for Area of Interest			**4.9**	**100.0%**

Description

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity is considered in the design of soil drainage systems and septic tank absorption fields.

For each soil layer, this attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A representative value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

The numeric Ksat values have been grouped according to standard Ksat class limits.

Rating Options

Units of Measure: micrometers per second

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Fastest

Interpret Nulls as Zero: No

Layer Options (Horizon Aggregation Method): Depth Range (Weighted Average)

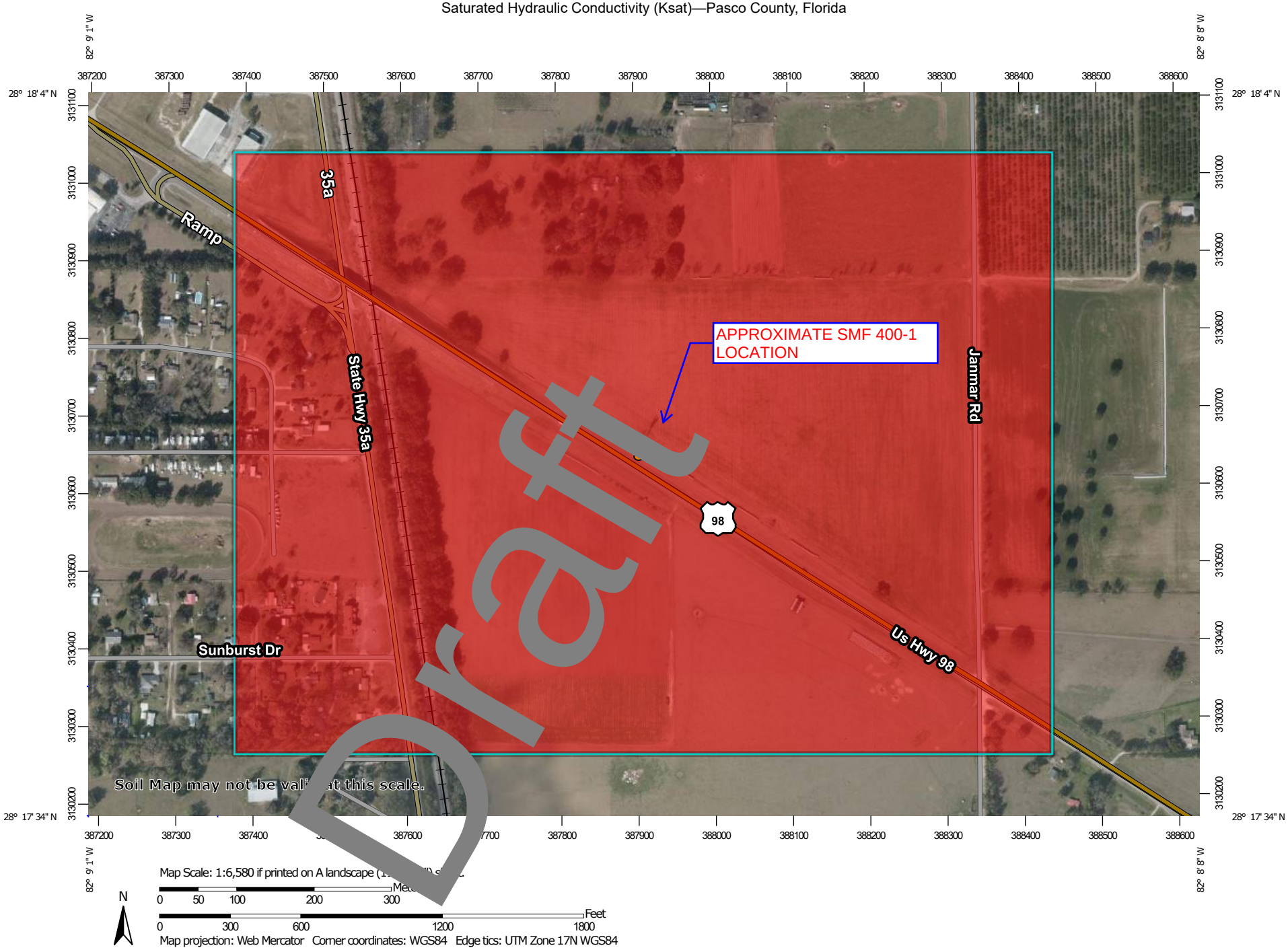
Top Depth: 0

Bottom Depth: 36

Draft

Units of Measure: Inches

Draft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APPROXIMATE SMF 400-1 LOCATION
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Us Hwy 98
Sunburst Dr
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Map Scale: 1:6,580 if printed on A landscape
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0 300 600 1200 1800
Feet
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Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

= 180.3990

Not rated or not available

Soil Rating Lines

= 180.3990

Not rated or not available

Soil Rating Points

= 180.3990

Not rated or not availab

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Road

Background

Aerial P aphy

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Jan 29, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Draft

Saturated Hydraulic Conductivity (Ksat)

Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
32	Lake fine sand, 0 to 5 percent slopes	180.3990	203.7	100.0%
Totals for Area of Interest			**203.7**	**100.0%**

Description

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity is considered in the design of soil drainage systems and septic tank absorption fields.

For each soil layer, this attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

The numeric Ksat values have been grouped according to standard Ksat class limits.

Rating Options

Units of Measure: micrometers per second

Aggregation Method: Weighted Average

Component Percent Cutoff: Not Specified

Tie-break Rule: Slowest

Interpret Nulls as Zero: No

Layer Options (Horizon Aggregation Method): All Layers (Weighted Average)

Draft

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28° 19' 5" N
28° 18' 47" N
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Wilds Rd
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APPROXIMATE SMF 800-1 LOCATION
Soil Map may not be valid at this scale.
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Map Scale: 1:3,780 if printed on A landscape
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Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

<= 138.1895

> 138.1895 and <= 180.3990

Not rated or not available

Soil Rating Lines

<= 138.1895

> 138.1895 and <= 180.3990

Not rated or not availab

Soil Rating Points

<= 138.1895

> 138.1895 and <= 180.3990

Not rated or not available

Water Features

Streams and Can

Transportation

Rails

Interstate nways

US Ro

Major Roads

Ba ground

Aerial Photogra

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Jan 29, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Draft

Saturated Hydraulic Conductivity (Ksat)

Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
13	Candler fine sand, 0 to 5 percent slopes	138.1895	60.0	87.3%
32	Lake fine sand, 0 to 5 percent slopes	180.3990	8.7	12.7%
Totals for Area of Interest			**68.7**	**100.0%**

Description

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity is considered in the design of soil drainage systems and septic tank absorption fields.

For each soil layer, this attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

The numeric Ksat values have been grouped according to standard Ksat class limits.

Rating Options

Units of Measure: micrometers per second

Aggregation Method: Weighted Average

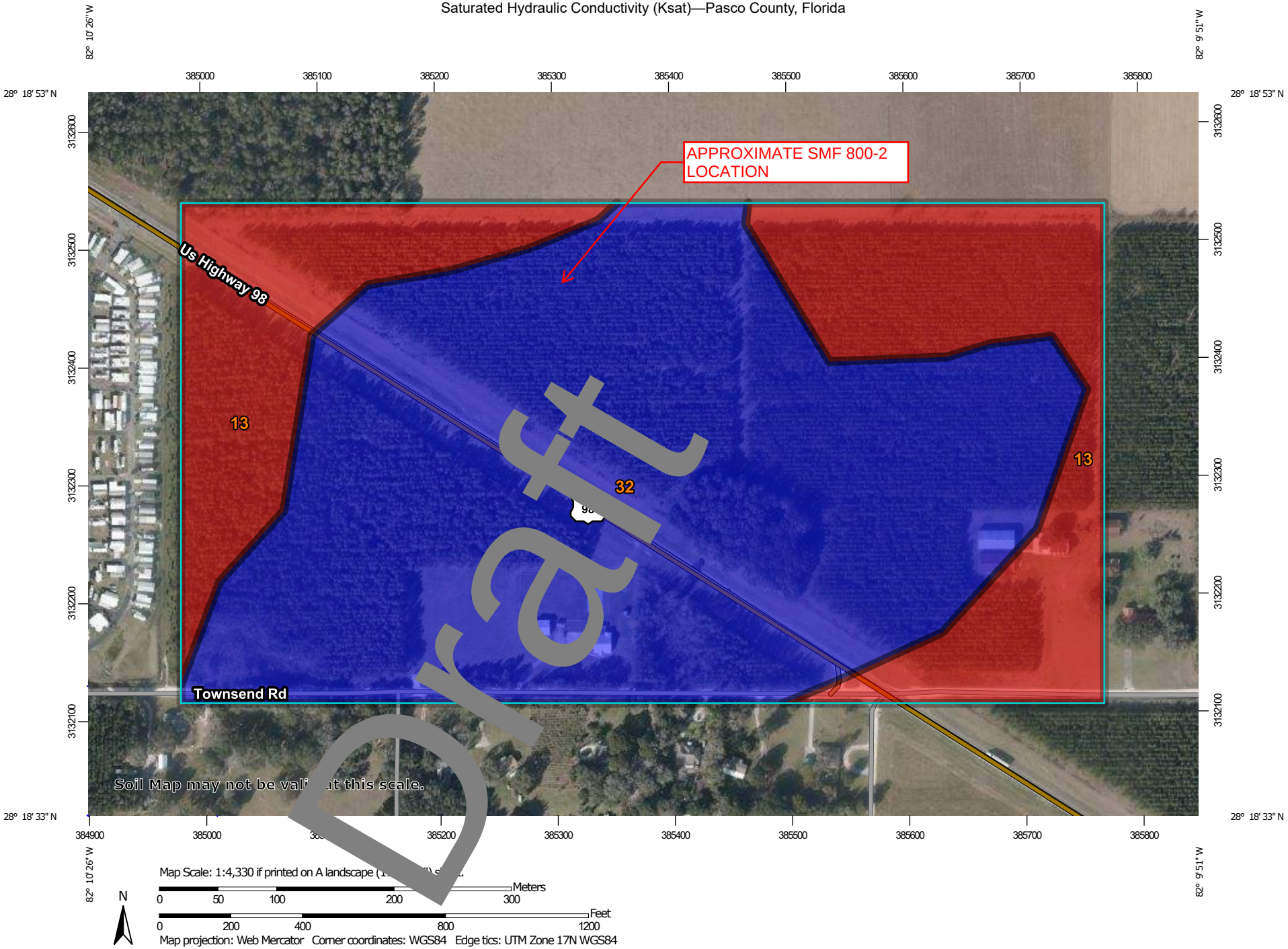
Component Percent Cutoff: None Specified

Tie-break Rule: Slowest

Interpret Nulls as Zero: No

Layer Options (Horizon Aggregation Method): All Layers (Weighted Average)

Draft


APPROXIMATE SMF 800-2 LOCATION
Us Highway 98
Townsend Rd
13
32
13
Draft
Soil Map may not be valid at this scale.
82° 10' 26" W
82° 9' 51" W
28° 18' 53" N
28° 18' 33" N
385000
385100
385200
385300
385400
385500
385600
385700
385800
384900
3132600
3132500
3132400
3132300
3132200
3132100
Map Scale: 1:4,330 if printed on A landscape
Meters
0 50 100 200 300
Feet
0 200 400 800 1200
N
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

<= 138.1895

> 138.1895 and <= 180.3990

Not rated or not available

Soil Rating Lines

<= 138.1895

> 138.1895 and <= 180.3990

Not rated or not availab

Soil Rating Points

<= 138.1895

> 138.1895 and <= 180.3990

Not rated or not available

Water Features

Streams and Can

Transportation

Rails

Interstate nways

US Ro

Major Roads

Ba ground

Aerial Photogra

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Jan 29, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Draft

Saturated Hydraulic Conductivity (Ksat)

Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
13	Candler fine sand, 0 to 5 percent slopes	138.1895	26.6	32.0%
32	Lake fine sand, 0 to 5 percent slopes	180.3990	56.4	68.0%
Totals for Area of Interest			**83.0**	**100.0%**

Description

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity is considered in the design of soil drainage systems and septic tank absorption fields.

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The numeric Ksat values have been grouped according to standard Ksat class limits.

Rating Options

Units of Measure: micrometers per second

Aggregation Method: Weighted Average

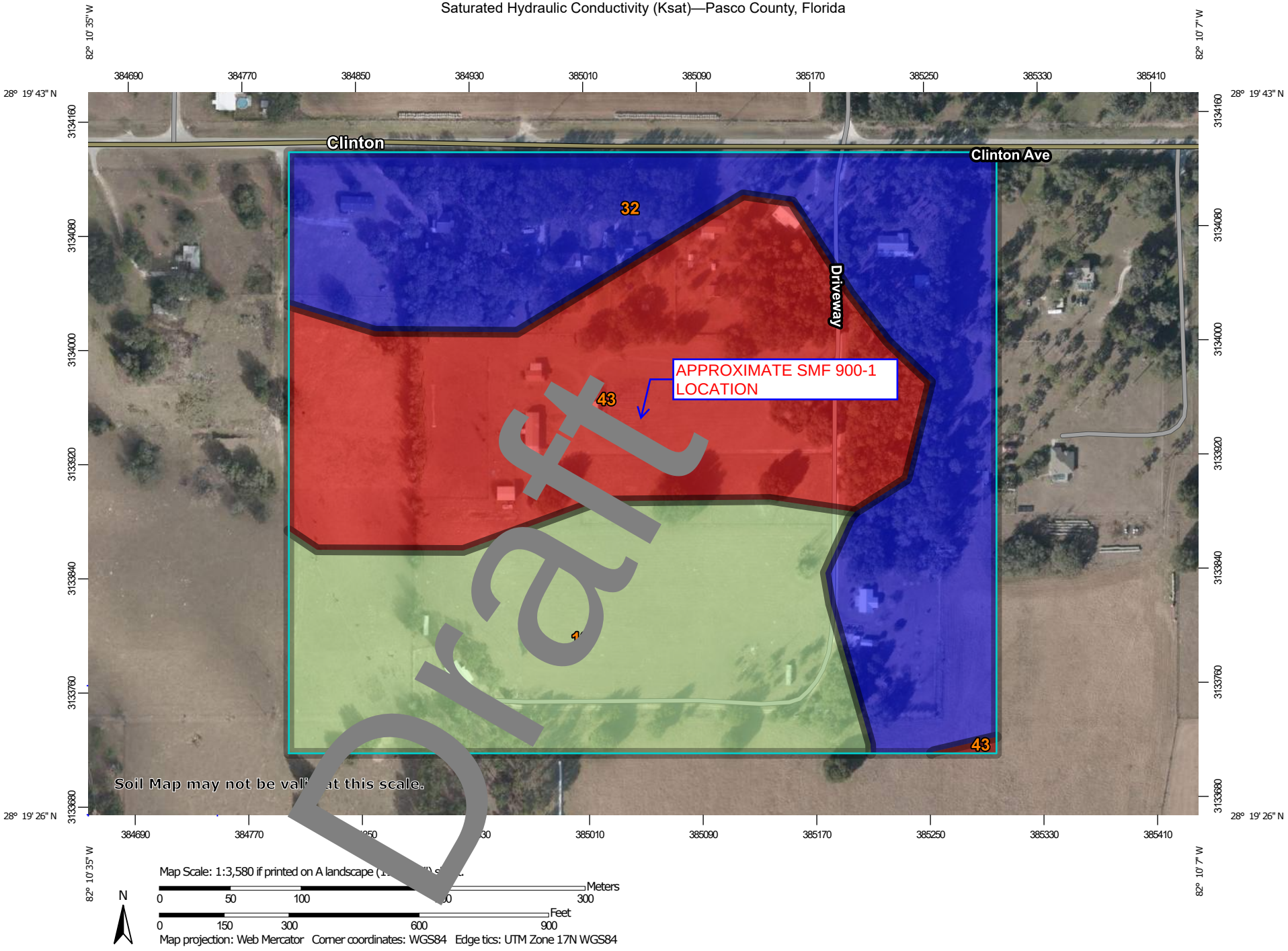
Component Percent Cutoff: None Specified

Tie-break Rule: Slowest

Interpret Nulls as Zero: No

Layer Options (Horizon Aggregation Method): All Layers (Weighted Average)

Draft


82° 10' 35" W
82° 10' 7" W
28° 19' 43" N
28° 19' 26" N
384690
384770
384850
384930
385010
385090
385170
385250
385330
385410
3134160
3134080
3134000
3133920
3133840
3133760
3133680
Clinton
Clinton Ave
32
43
Driveway
APPROXIMATE SMF 900-1 LOCATION
Soil Map may not be valid at this scale.
Map Scale: 1:3,580 if printed on A landscape
Meters
0 50 100 300
Feet
0 150 300 600 900
N
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

Draft

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

- <= 81.1765
- > 81.1765 and <= 138.1895
- > 138.1895 and <= 180.3990
- Not rated or not available

Soil Rating Lines

- <= 81.1765
- > 81.1765 and <= 138.1895
- > 138.1895 and <= 180.3990
- Not rated or not available

Soil Rating Points

- <= 81.1765
- > 81.1765 and <= 138.1895
- > 138.1895 and <= 180.3990
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Jan 29, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Draft

Saturated Hydraulic Conductivity (Ksat)

Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
13	Candler fine sand, 0 to 5 percent slopes	138.1895	15.8	30.2%
32	Lake fine sand, 0 to 5 percent slopes	180.3990	18.4	35.3%
43	Arredondo fine sand, 0 to 5 percent slopes	81.1765	17.9	34.4%
Totals for Area of Interest			**52.1**	**100.0%**

Description

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity is considered in the design of soil drainage systems and septic tank absorption fields.

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The numeric Ksat values have been grouped according to standard Ksat class limits.

Rating Options

Units of Measure: micrometers per second

Aggregation Method: Weighted Average

Component Percent Cutoff: None Specified

Tie-break Rule: Slowest

Interpret Nulls as Zero: No

Layer Options (Horizon Aggregation Method): All Layers (Weighted Average)

Draft

82° 10' 33" W
82° 10' 2" W
28° 19' 31" N
28° 19' 13" N
384740
384830
384920
385010
385100
385190
385280
385370
385460
385550
3133800
3133710
3133620
3133530
3133440
3133350
3133260
Driveway
13
32
45
Ewing Dr
900-2
Soil Map may not be val at this scale.
Draft
Map Scale: 1:3,890 if printed on A landscape
Meters
0 50 100 200 300
Feet
0 150 300 600 900
N
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

- <= 81.1765
- > 81.1765 and <= 138.1895
- > 138.1895 and <= 180.3990
- Not rated or not available

Soil Rating Lines

- <= 81.1765
- > 81.1765 and <= 138.1895
- > 138.1895 and <= 180.3990
- Not rated or not available

Soil Rating Points

- <= 81.1765
- > 81.1765 and <= 138.1895
- > 138.1895 and <= 180.3990
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 19, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 19, 2019—Jan 29, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Draft

Saturated Hydraulic Conductivity (Ksat)

Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
13	Candler fine sand, 0 to 5 percent slopes	138.1895	18.0	22.9%
32	Lake fine sand, 0 to 5 percent slopes	180.3990	15.4	19.6%
43	Arredondo fine sand, 0 to 5 percent slopes	81.1765	45.2	57.4%
Totals for Area of Interest			**78.7**	**100.0%**

Description

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity is considered in the design of soil drainage systems and septic tank absorption fields.

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The numeric Ksat values have been grouped according to standard Ksat class limits.

Rating Options

Units of Measure: micrometers per second

Aggregation Method: Weighted Average

Component Percent Cutoff: None Specified

Tie-break Rule: Slowest

Interpret Nulls as Zero: No

Layer Options (Horizon Aggregation Method): All Layers (Weighted Average)

Draft

TABLE 16.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS

[The symbol < means leas than; > means more than. Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Organic matter" apply only to the surface layer. Abaence of an entry indicates that data were not available or were not estimated]

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	G/cm3	In/hr	In/in	pH	Mmhos/cm					Pct
1----------	0-8	<2	1.36-1.44	6.0-20	0.08-0.10	4.5-5.5	<2	Low--------	0.20	5	2	1-2
Wauchula	8-19	<2	1.48-1.61	6.0-20	0.02-0.05	4.5-5.5	<2	Low--------	0.20			
	19-26	2-8	1.47-1.59	0.6-6.0	0.15-0.25	4.5-5.5	<2	Low--------	0.20			
	26-34	<2	1.48-1.61	6.0-20	0.08-0.10	4.5-5.5	<2	Low--------	0.20			
	34-80	15-30	1.60-1.69	0.6-6.0	0.11-0.17	4.5-5.5	<2	Low--------	0.37			
2----------	0-6	1-6	1.20-1.50	6.0-20	0.05-0.10	3.6-5.5	<2	Low--------	0.20	5	2	1-2
Pomona	6-22	1-6	1.45-1.70	6.0-20	0.03-0.08	3.6-5.5	<2	Low--------	0.20			
	22-36	2-7	1.30-1.60	0.6-2.0	0.10-0.15	3.6-5.5	<2	Low--------	0.20			
	36-52	1-6	1.40-1.60	6.0-20	0.03-0.08	3.6-5.5	<2	Low--------	0.20			
	52-60	16-36	1.50-1.70	0.2-0.6	0.13-0.17	3.6-5.5	<2	Low--------	0.32			
3----------	0-39	1-8	1.30-1.60	6.0-20	0.02-0.05	4.5-7.	<2	Low--------	0.17	5	2	.5-6
Pineda	39-80	10-25	1.50-1.70	<0.2	0.10-0.1	7.3-8	<2	Low--------	0.24			
4----------	0-23	1-3	1.40-1.55	6.0-20	0.02-0.0	.8	<2	--------	0.17	5	2	1-4
Felda	23-35	13-30	1.50-1.65	0.6-6.0	0.10-0.15	8	<2	w--------	0.24			
	35-80	1-10	1.50-1.65	6.0-20	0.02-0.05	6	<2	Low--------	0.17			
5----------	0-27	<2	1.36-1.44	6.0-20	0.02-0.05	4.5-6.5		Low--------	0.20	5	2	1-2
Myakka	27-38	2-8	1.47-1.59	0.6-6.0	0.10-0.15	5-6.5		Low--------	0.20			
	38-80	<2	1.48-1.61	6.0-20	0.02-0.	5	<2	Low--------	0.17			
6----------	0-86	1-4	1.55-1.65	>20	0.02- 05	4.5 6.	2	Very low	0.17	5	2	.5-1
Tavares												
7----------	0-6	1-5	1.20-1.50	6.0-20	0.08-0 12	5-6.5	<2	Very low	0.20	5	2	1-3
Sparr	6-43	1-5	1.55-1.70	6.0-20	0 5-0.08	5-6.5	<2	Very low	0.20			
	43-48	15-32	1.55-1.70	0.6-2.0	1-0.15	4	<2	Low--------	0.24			
	48-59	15-38	1.55-1.75	0.6-2.0	15-0.18	4.5	<2	Low--------	0.37			
	59-80	15-30	1.55-1.70	0.6-2.0	1-0.15	4.5-6.0	<2	Low--------	0.37			
8----------	0-9	8-12	1.20-1.35	6.0-20	0.1 0	3.6-5.5	<2	Low--------	0.17	5	2	5-10
Sellers	9-24	3-8	1.45-1.60	6	0.10-0.	6-5.5	<2	Low--------	0.17			
	24-80	2-5	1.50-1.65		03-0.08	5-5.5	<2	Low--------	0.17			
9----------	0-7	1-7	1.40-1.	6.0-20	0. 0.15	3.6-6.0	<2	Low--------	0.20	5	2	1-5
Ona	7-18	3-8	1.50-1	0.6-2.0	0.1 .15	3.6-6.0	<2	Low--------	0.20			
	18-80	1-4	1.50- 5	6.0-20	0.03 08	3.6-6.0	<2	Low--------	0.15			
10----------	0-23	1-6	1.00	6.0-20	0.03 .08	3.6-5.5	<2	Low--------	0.20	5	2	2-10
Vero	23-30	1-8	1.60-1.	<0.2	0.1 .15	4.5-7.3	<2	Low--------	0.20			
	30-80	12-32	1.50-1.70		0. 0.15	7.4-9.0	<2	Low--------	0.32			
11----------	0-8	2-8	1.37-1.44	6.0-2	5-0.10	4.5-7.8	<2	Very low	0.10	5	2	<1
Adamsville	8-80	1-7	1.49-1.58	6.0-20	03-0.08	4.5-7.8	<2	Very low	0.10			
12----------	0-80	1-3	1.45-1.60	>20	0.02-0.05	4.5-6.0	<2	Very low	0.15	5	2	<.5
Astatula												
13----------	0-50	<3	1.35-1.55	>20	0.02-0.05	4.5-6.0	<2	Very low	0.10	5	2	<1
Candler	50-82	3-8	1.50-1.65	6.0-20	0.05-0.08	4.5-6.0	<2	Very low	0.10			
14----------	0-65	<3	1.35-1.55	>20	0.02-0.05	4.5-6.0	<2	Very low	0.10	5	2	<1
Candler	65-80	3-8	1.50-1.65	6.0-20	0.05-0.08	4.5-6.0	<2	Very low	0.10			
15*:												
Tavares----------	0-86	1-4	1.55-1.65	>20	0.02-0.05	4.5-6.0	<2	Very low	0.17	5	2	.5-1
Urban land.												

See footnote at end of table.

Draft

TABLE 16.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS--Continued

Soil name and map symbol	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	G/cm3	In/hr	In/in	pH	Mmhos/cm					Pct
31*: Urban land.												
32---------- Lake	0-80	1-3	1.45-1.65	6.0-20	0.03-0.06	4.5-5.5	<2	Low-------	0.15	5	2	.5-1
34---------- Pompano	0-80	<5	1.30-1.65	>20	0.02-0.05	4.5-7.8	<2	Low-------	0.15	5	2	1-5
35---------- EauGallie	0-22	<5	1.25-1.50	6.0-20	0.02-0.05	4.5-6.5	<2	Low-------	0.17	5	2	2-8
	22-30	1-8	1.45-1.60	0.6-6.0	0.05-0.10	5.1-6.5	<2	Low-------	0.20			
	30-51	1-5	1.45-1.65	6.0-20	0.02-0.05	5.6-7.8	<2	Low-------	0.17			
	51-80	13-31	1.55-1.70	0.6-6.0	0.10-0.15	5.6-7.8	<2	Low-------	0.32			
36*:												
Candler---------	0-60	<3	1.35-1.55	>20	0.02-0.05	4.5-6.0	<2	Very low	0.10	5	2	<1
	60-80	3-8	1.50-1.65	6.0-20	0.05-0.08	4.5-	<2	Very low	0.10			
Urban land.												
37*:												
Paola----------	0-26	<2	1.45-1.60	>20	0.02-0.05		<2	y low	0.15	5	1	<.5
	26-80	<3	1.45-1.60	>20	0.02-0.05	4	<2	Very low	0.15			
Urban land.												
38*. Urban land												
39*---------- Chobee	0-11	7-20	1.45-1.50	2.0-6.0	0.10- .15	6. 7.3	<2	Low-------	0.24	5	3	2-7
	11-56	20-35	1.55-1.75	<0.2	0.12- .17	7 -9.0	<2	Moderate	0.32			
	56-80	7-20	1.60-1.75	0.2-6.0	0.06- .10	4-9.0	<2	Low-------	0.20			
40---------- Paisley	0-10	2-8	1.35-1.45	6.0-20	0 .5-0.08	4	<2	Low-------	0.24	5	2	1-4
	10-80	45-65	1.55-1.65	0.06-0.2	0 .5-0.18	5.	<2	High------	0.32			
41*: Pits.												
Dumps.												
42---------- Pomello	0-32	>2	1.35-1.	>20	0. 0.05	4.5-6.0	<2	Very low	0.17	5	1	>1
	32-41	>5	1.45-1	2.0-6.0	0.1 .15	4.5-6.0	<2	Very low	0.20			
	41-80	>2	1.35- 5	6.0-20	0.02 .05	4.5-6.0	<2	Very low	0.17			
43---------- Arredondo	0-63	5-12	1.25	6.0-20	0.05 .08	4.5-6.0	<2	Low-------	0.17	5	2	<2
	63-87	15-25	1.55-1.	.6-6.0	0.1 .17	4.5-6.0	<2	Low-------	0.37			
44---------- Arredondo	0-52	5-12	1.25-1.50	6.	0 -0.08	4.5-6.0	<2	Low-------	0.17	5	2	<2
	52-55	10-18	1.45-1.60	2.0-	0-0.15	4.5-6.0	<2	Low-------	0.24			
	55-80	15-25	1.55-1.70	0.6-6.0	12-0.17	4.5-6.0	<2	Low-------	0.37			
45---------- Kendrick	0-28	1-7	1.25-1.50	6.0-20	0.05-0.07	4.5-5.5	<2	Low-------	0.17	5	2	<2
	28-80	15-25	1.55-1.70	0.6-2.0	0.12-0.15	4.5-5.5	<2	Low-------	0.32			
46---------- Cassia	0-18	1-4	1.30-1.55	6.0-20	0.03-0.07	4.5-5.5	<2	Low-------	0.15	5	2	<1
	18-31	2-10	1.30-1.55	0.6-6.0	0.10-0.15	4.5-5.5	<2	Low-------	0.20			
	31-65	1-5	1.40-1.60	6.0-20	0.03-0.07	4.5-5.5	<2	Low-------	0.15			
47---------- Weekiwachee	0-31	>5	0.25-0.35	2.0-6.0	0.20-0.25	6.1-7.8	>16	Low-------	----	---	2	>30
	31-39	1-7	1.50-1.65	2.0-6.0	0.10-0.15	6.1-7.8	>16	Low-------	0.24			
	39-44	---	---	---	---	---	---	----------	----			
	44	---	---	---	---	---	---	----------	----			
48---------- Lochloosa	0-36	2-12	1.35-1.60	6.0-20	0.05-0.10	4.5-5.5	<2	Low-------	0.20	5	2	1-4
	36-42	13-20	1.55-1.70	2.0-6.0	0.10-0.15	4.5-5.5	<2	Low-------	0.24			
	42-63	15-35	1.55-1.70	0.6-2.0	0.12-0.15	4.5-5.5	<2	Low-------	0.32			
	63-72	20-45	1.60-1.70	0.6-2.0	0.13-0.18	4.5-5.5	<2	Low-------	0.28			
	72-80	15-35	1.55-1.70	0.6-2.0	0.12-0.15	4.5-5.5	<2	Low-------	0.28			

See footnote at end of table.

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APPENDIX 5
Pre-development Drainage Maps

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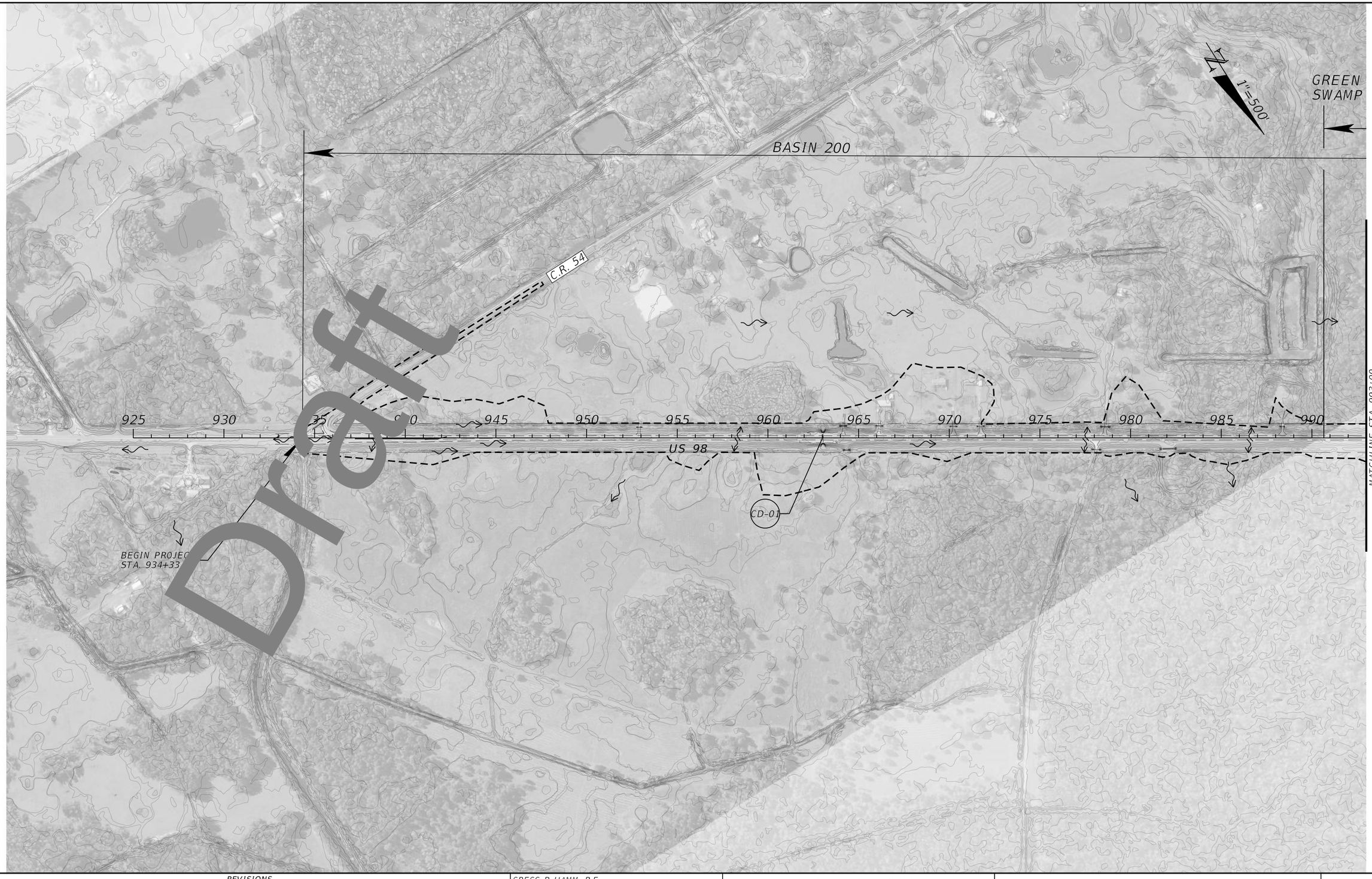

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4300 WEST CYPRESS ST.
SUITE 450
TAMPA, FL 33607
T: 813 903 3100
CERTIFICATE OF AUTHORIZATION NO.: 7917

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

PRE-DEVELOPMENT DRAINAGE MAP

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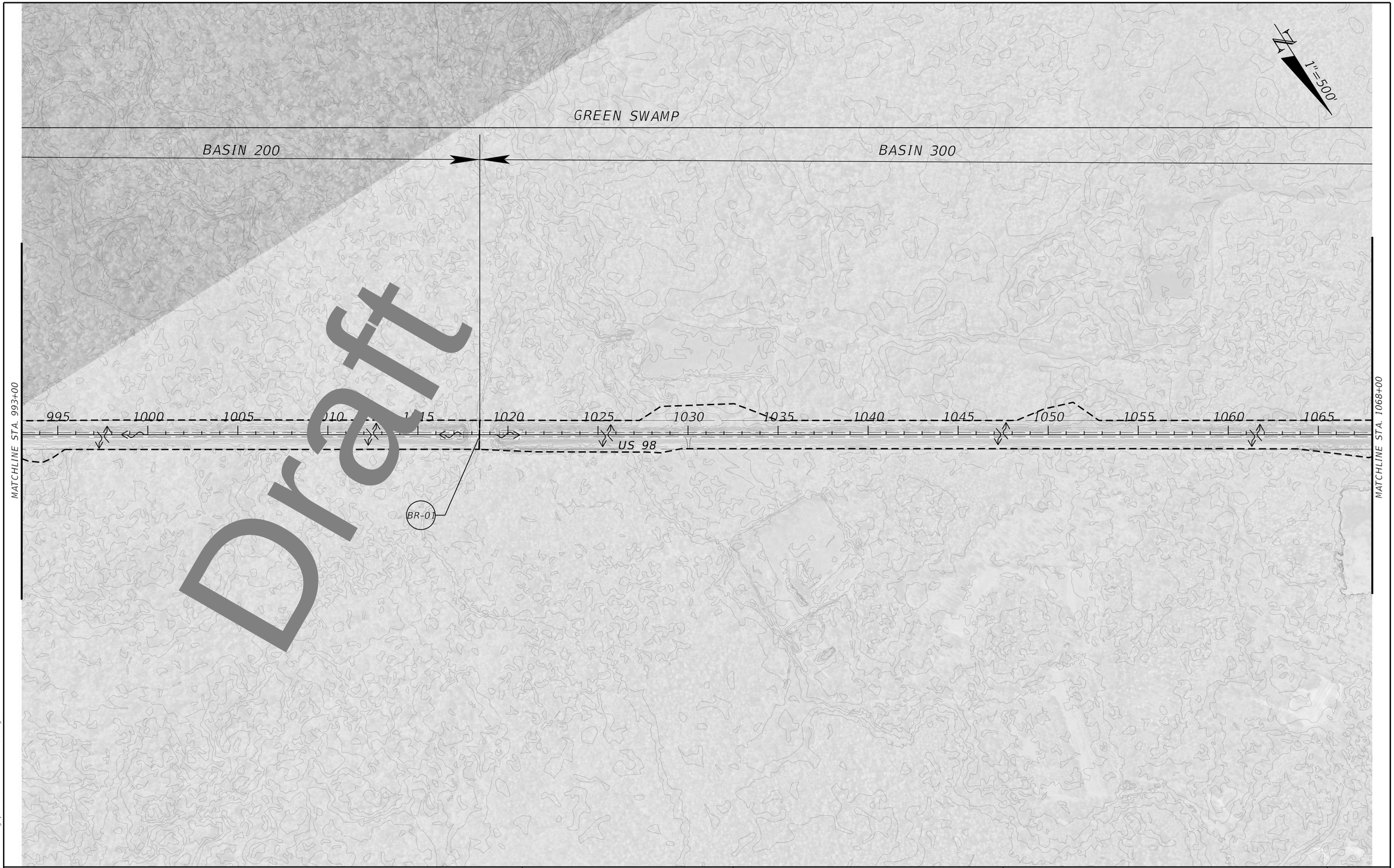

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

PRE-DEVELOPMENT DRAINAGE MAP

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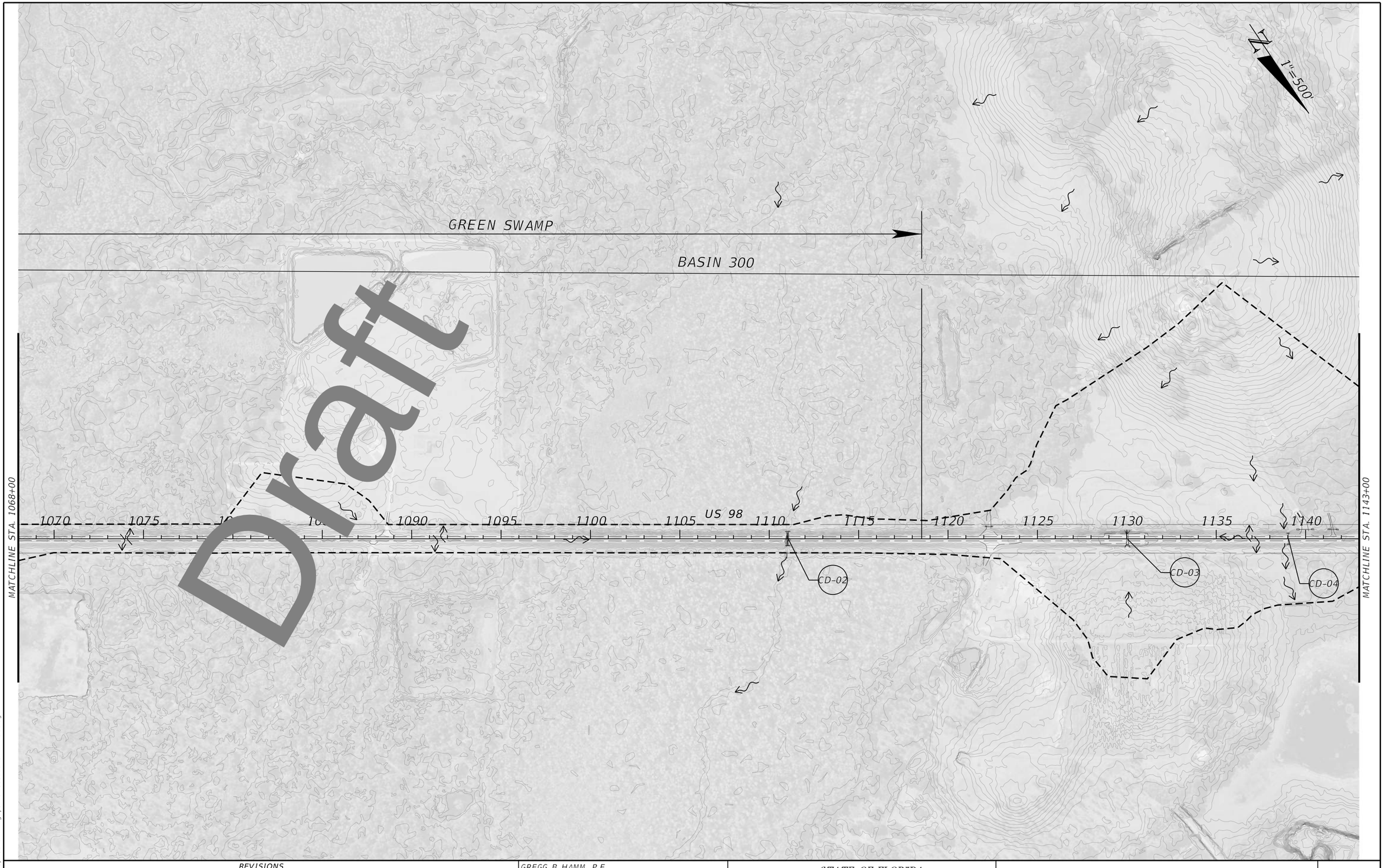

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

PRE-DEVELOPMENT DRAINAGE MAP

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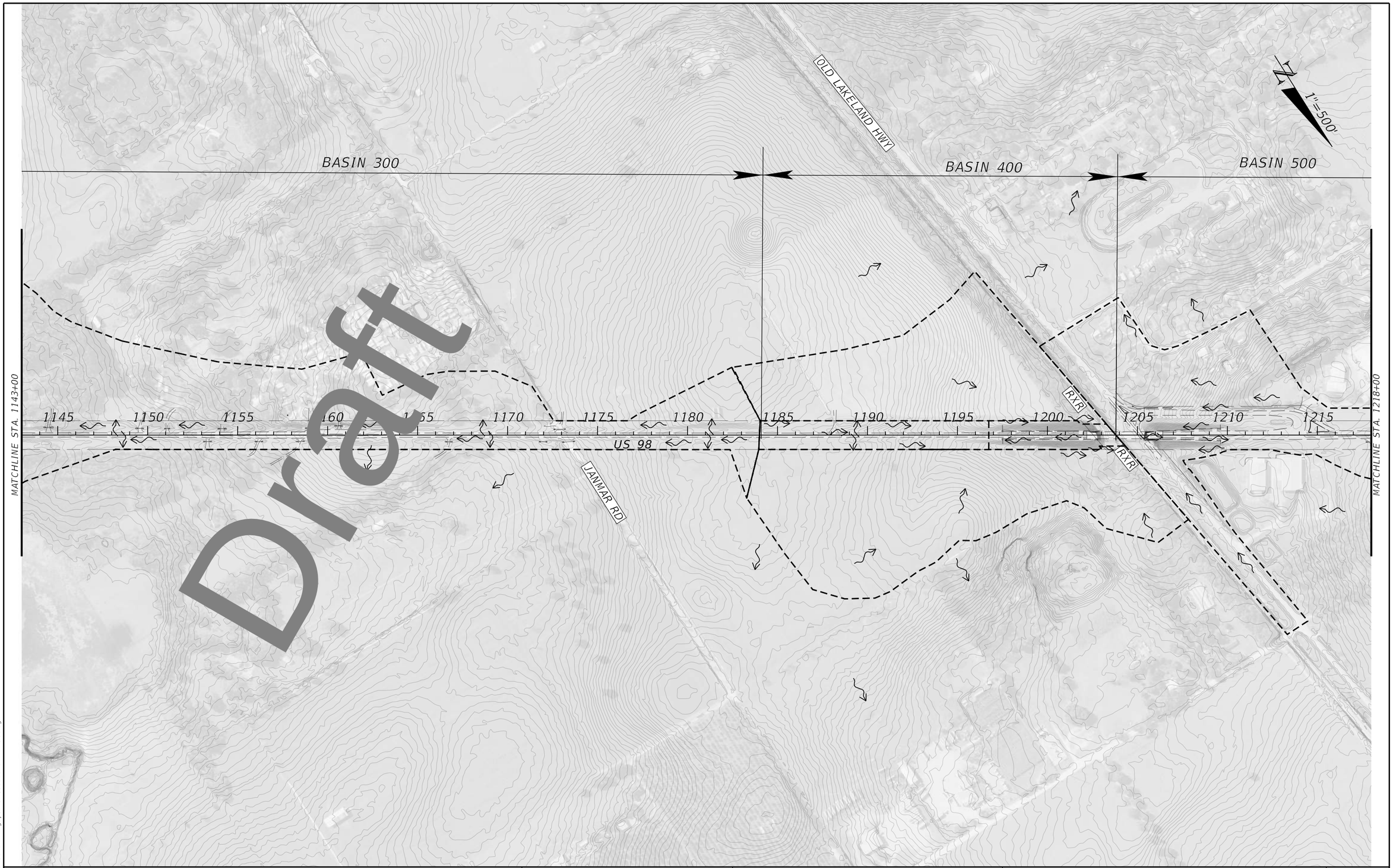

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

PRE-DEVELOPMENT DRAINAGE MAP

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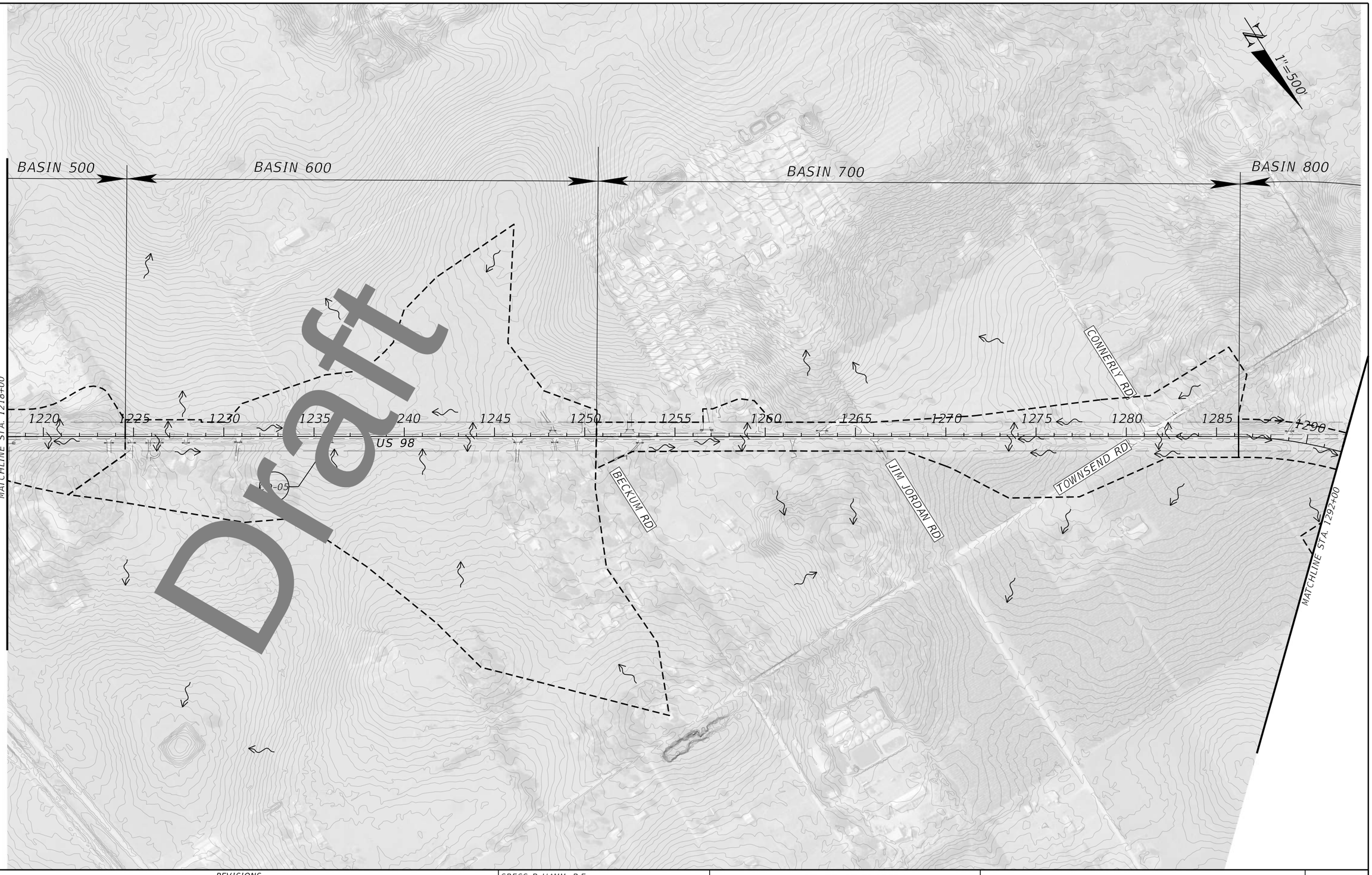

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

PRE-DEVELOPMENT DRAINAGE MAP

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

PRE-DEVELOPMENT DRAINAGE MAP

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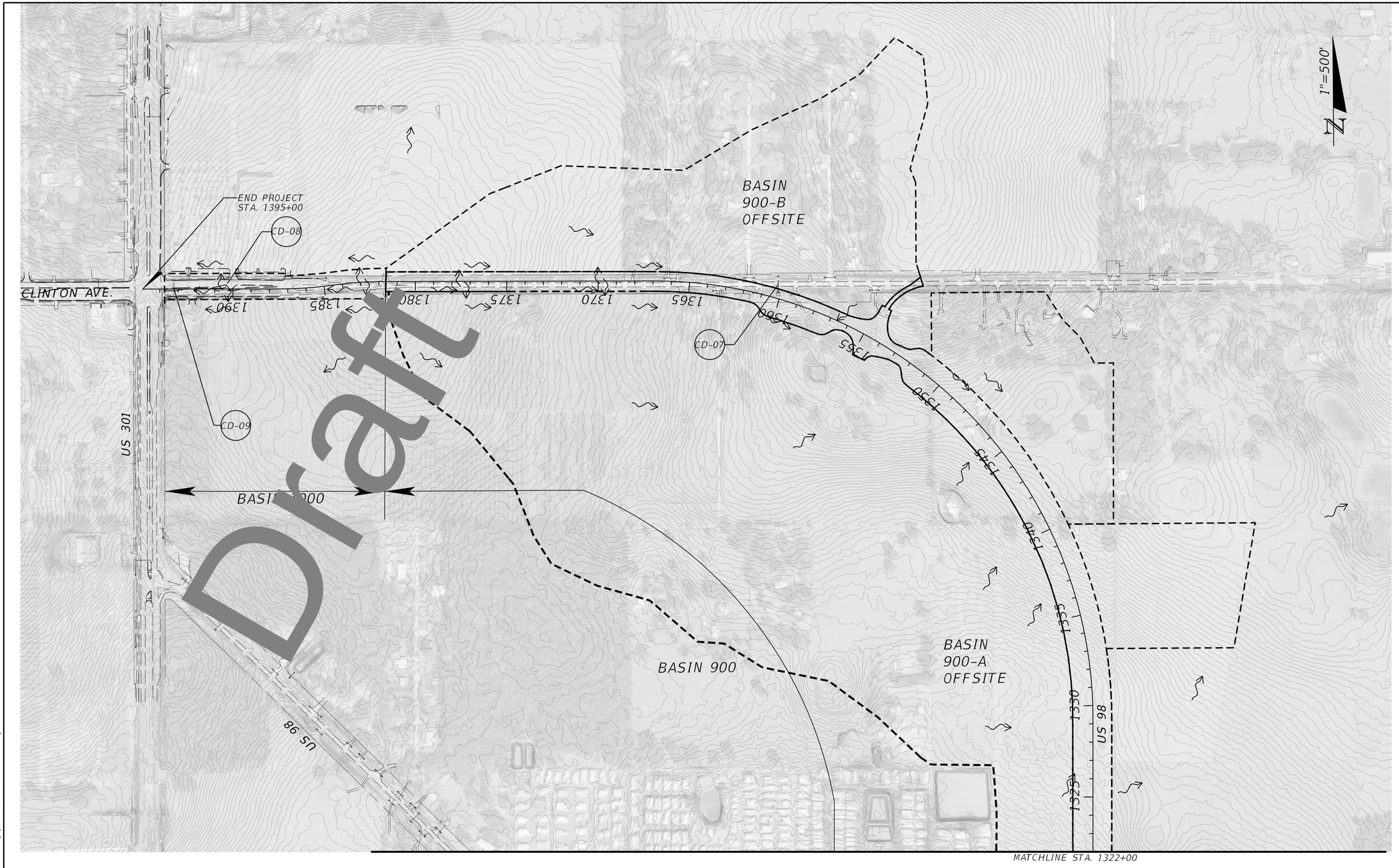

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

PRE-DEVELOPMENT DRAINAGE MAP

SHEET NO. 7

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APPENDIX 6
Post-development Drainage Maps

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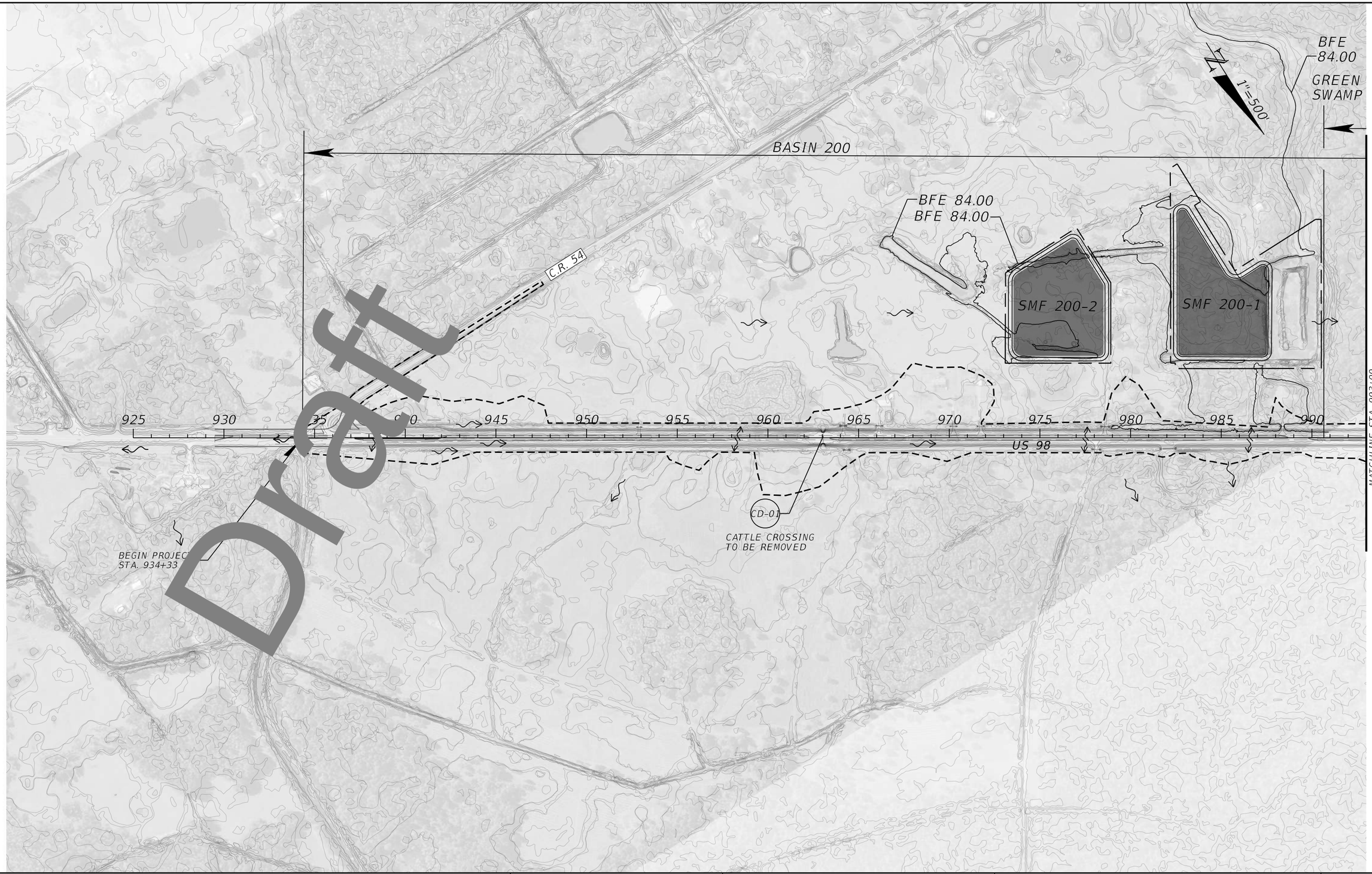

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

POST-DEVELOPMENT DRAINAGE MAP

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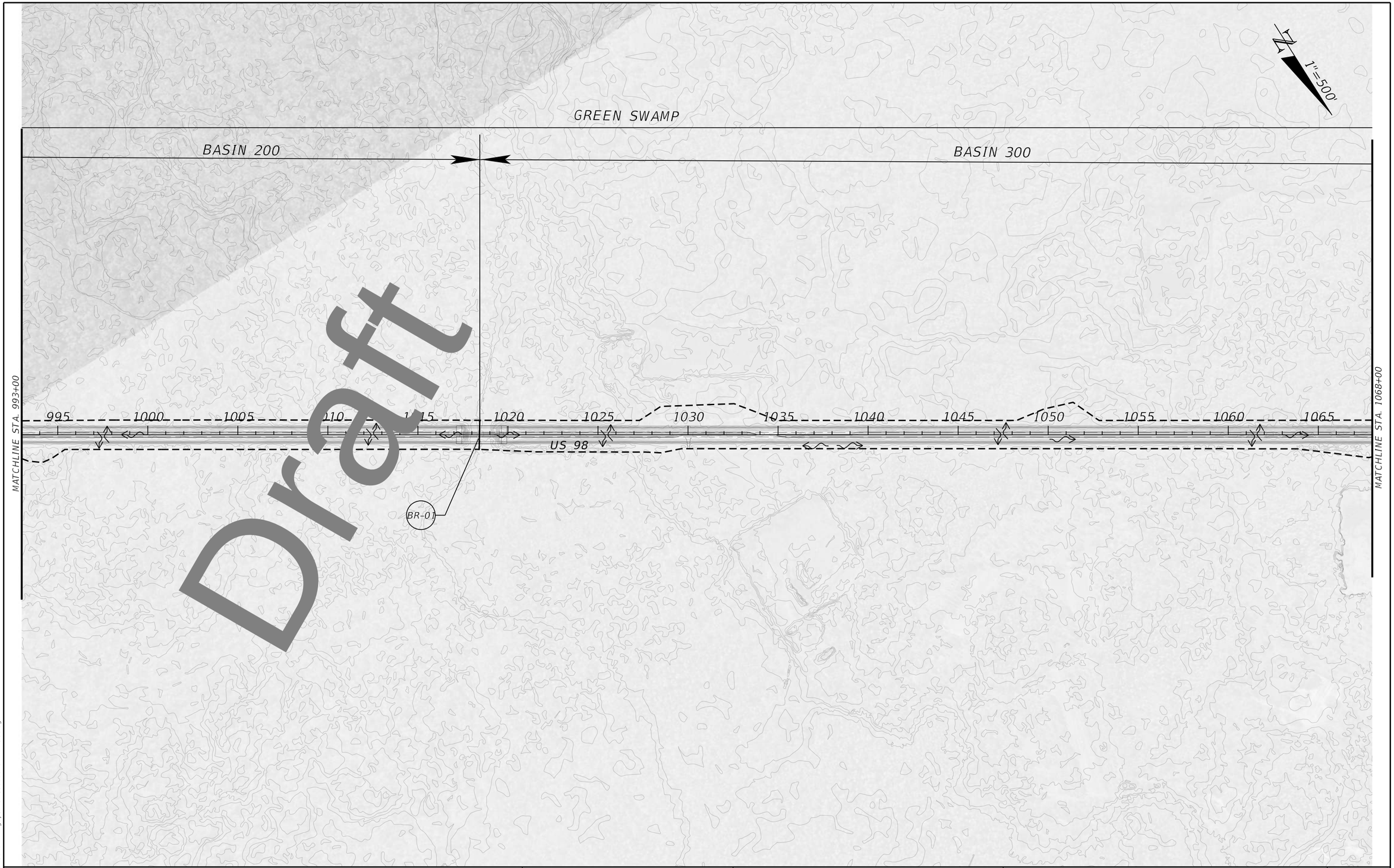

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

POST-DEVELOPMENT DRAINAGE MAP

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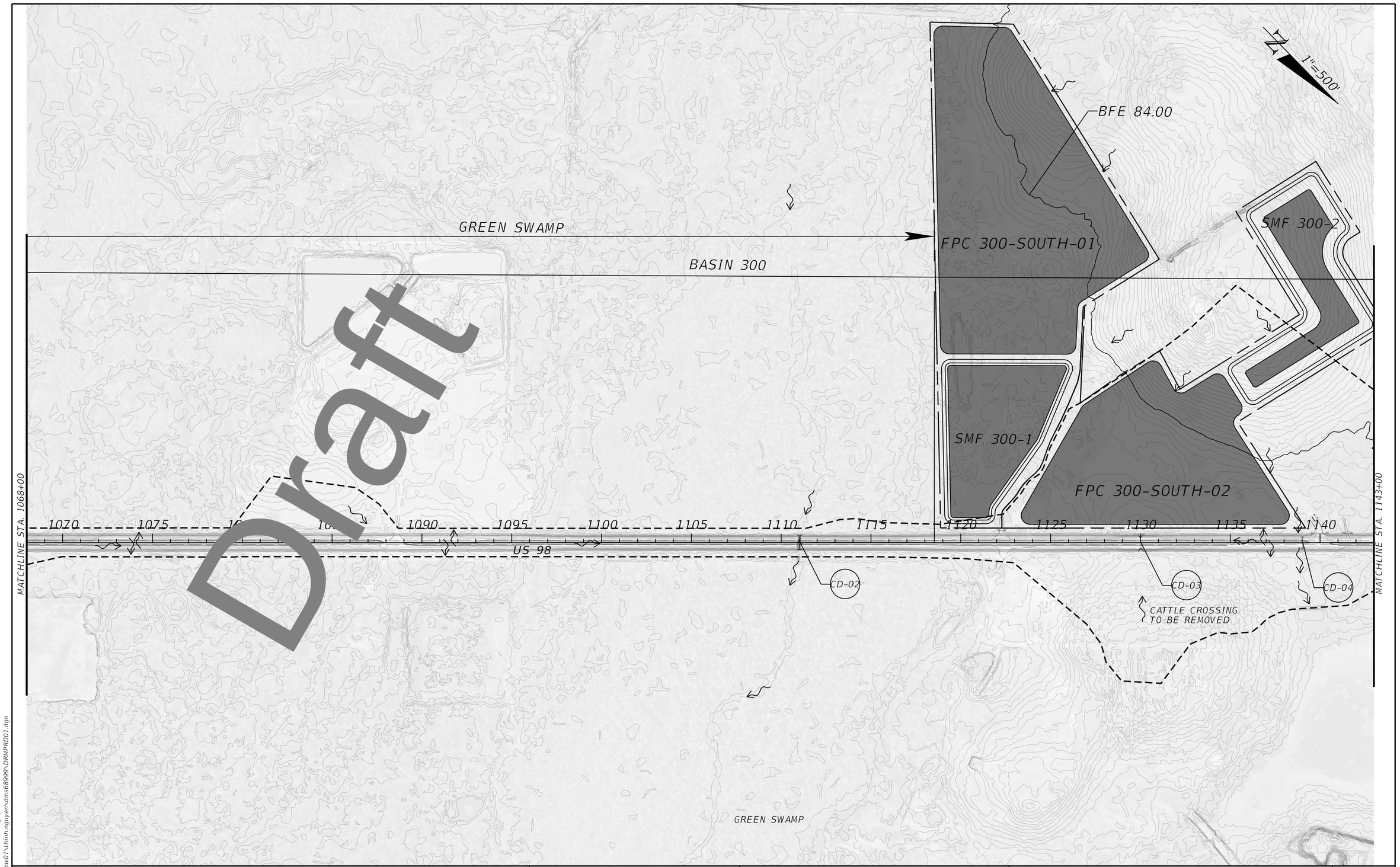

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

POST-DEVELOPMENT DRAINAGE MAP

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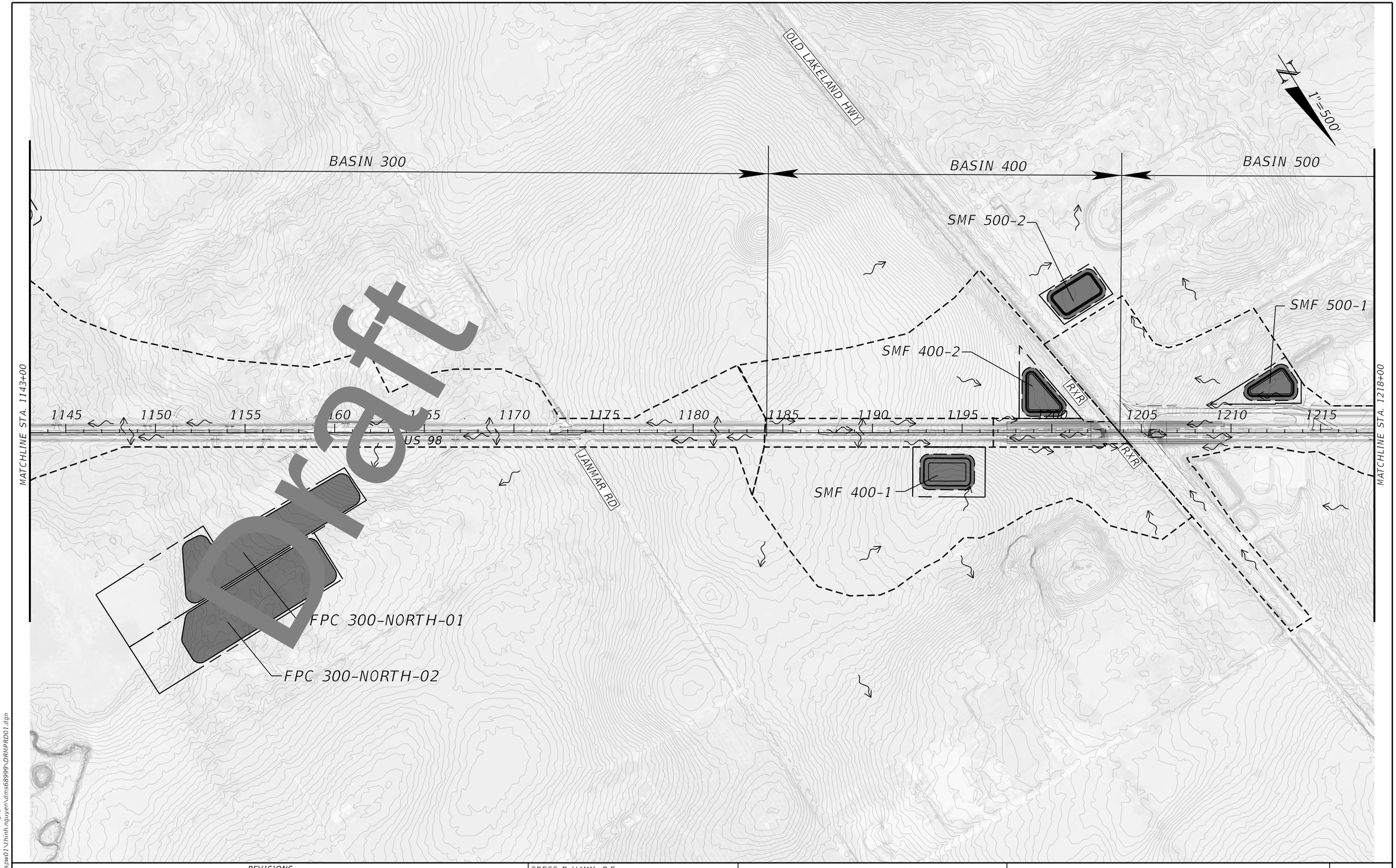

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

POST-DEVELOPMENT DRAINAGE MAP

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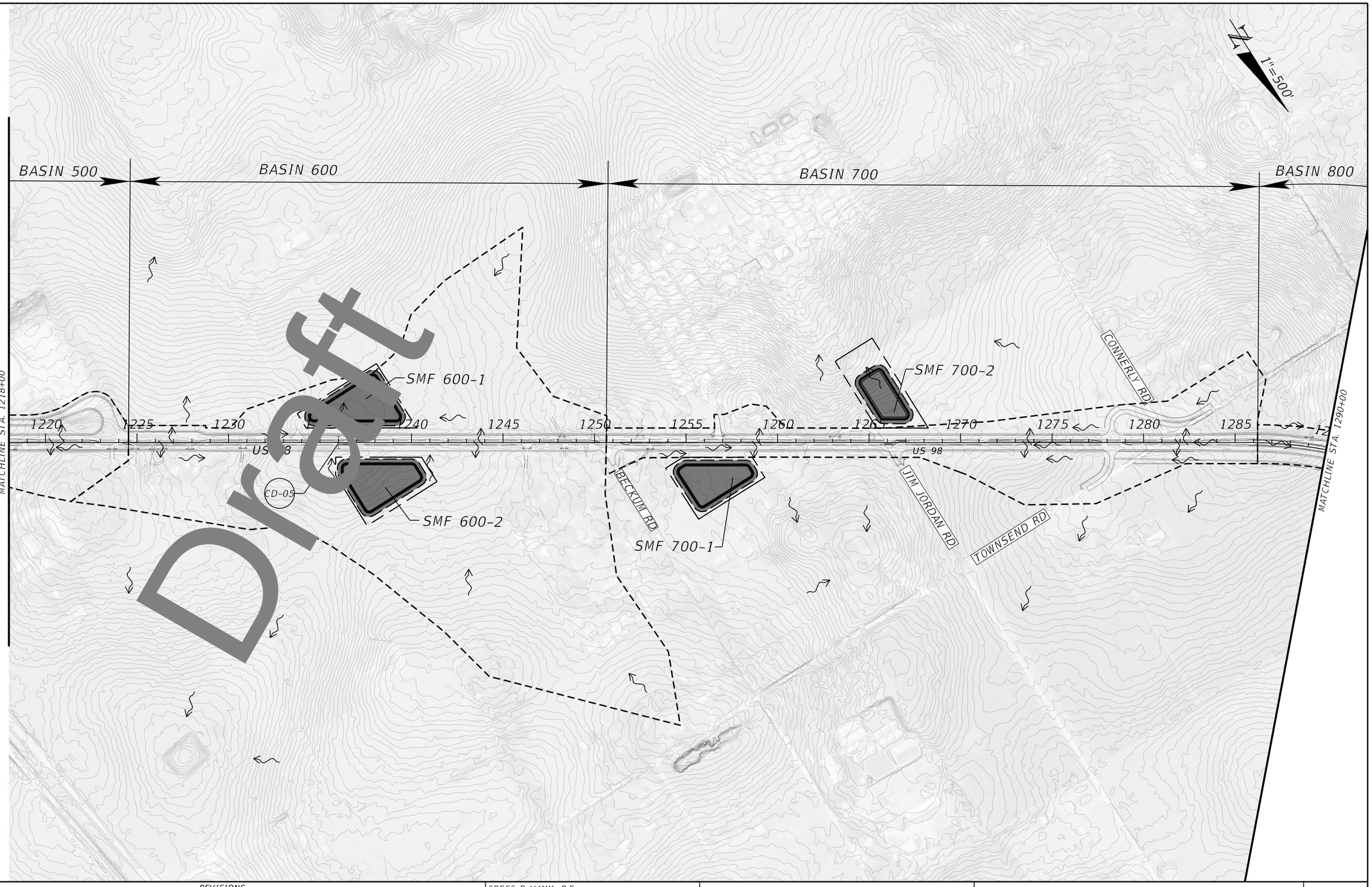

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REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

POST-DEVELOPMENT DRAINAGE MAP

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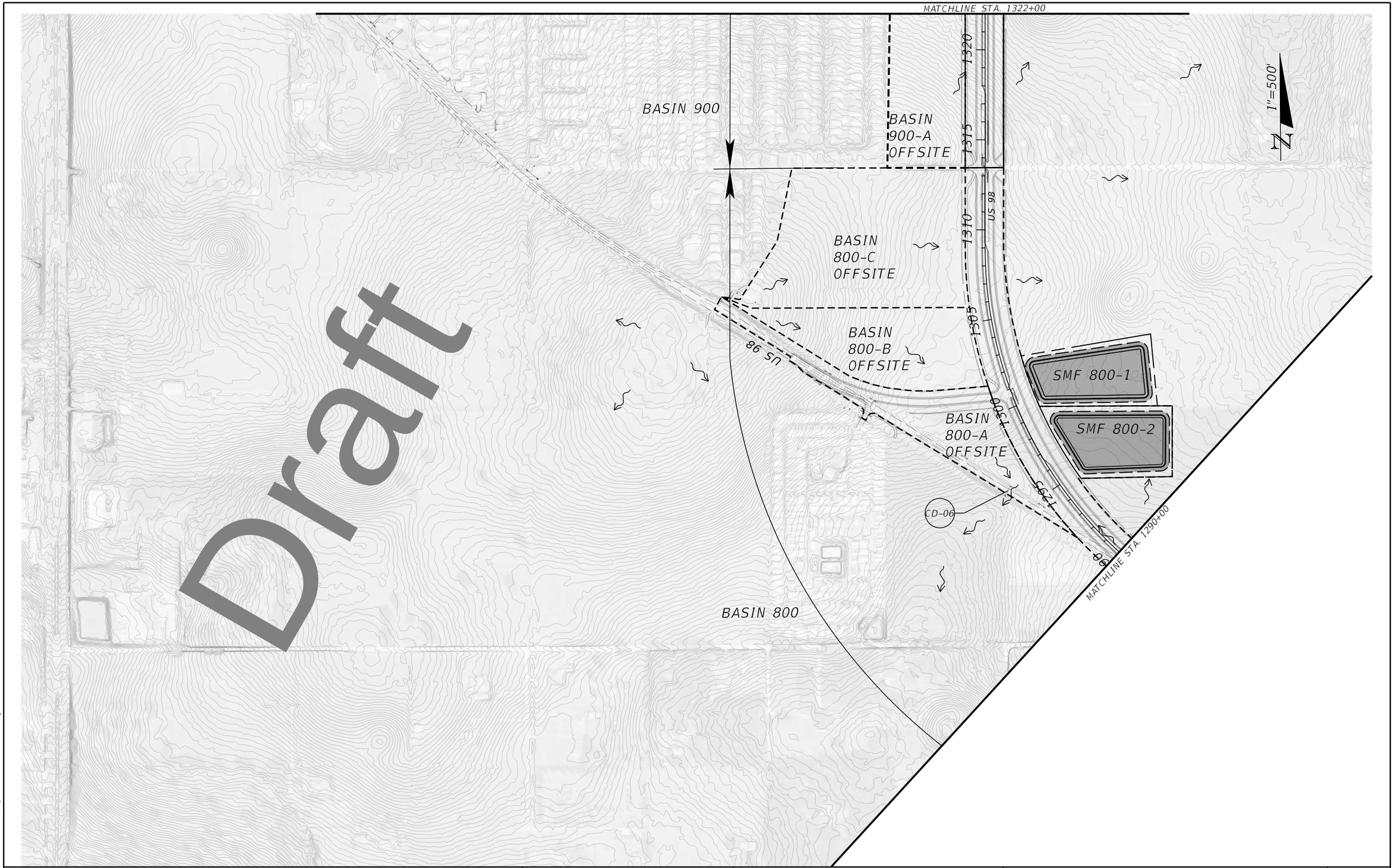

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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T: 813 903 3100
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

POST-DEVELOPMENT DRAINAGE MAP

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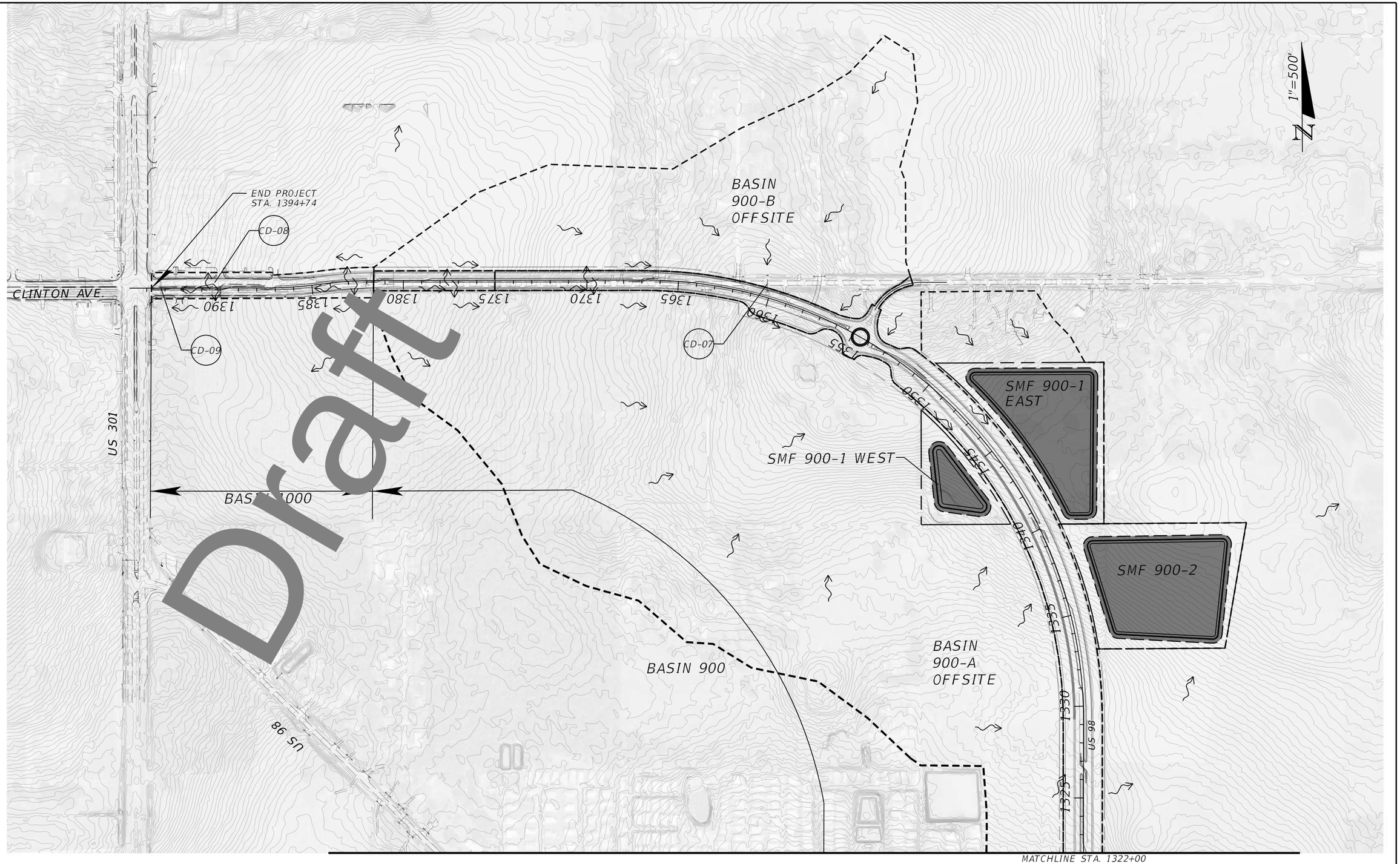

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REVISIONS			
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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

POST-DEVELOPMENT DRAINAGE MAP

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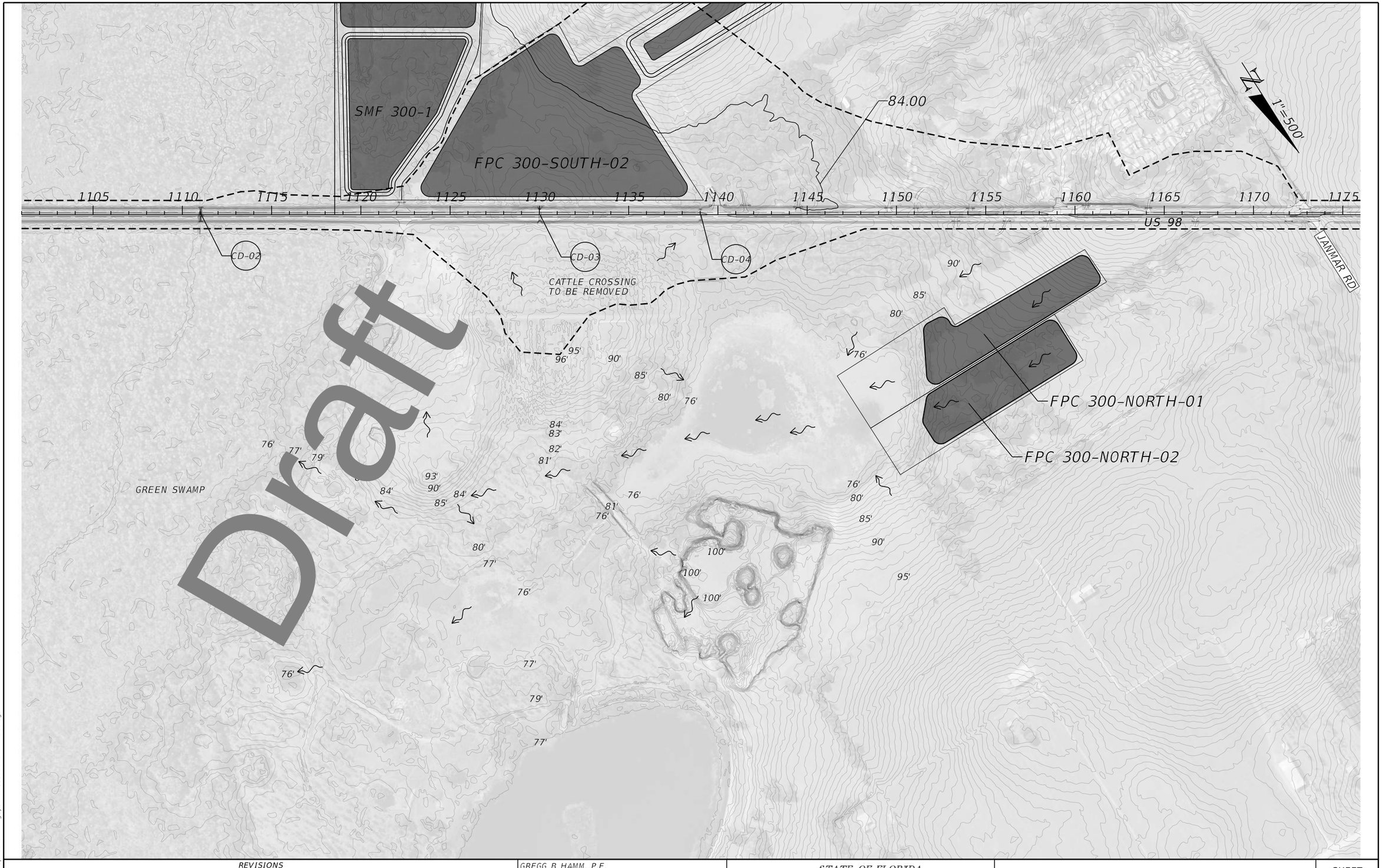

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US 98	PASCO	443368-3 443368-4

POST-DEVELOPMENT DRAINAGE MAP

SHEET NO. 8

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APPENDIX 7

FEMA Map

FEMA FIRM Map Number 12101C0025G

FEMA FIRM Map Number 12101C0315F

FEMA FIRM Map Number 12101C0295F

FEMA FIRM Map Number 12101C0285F

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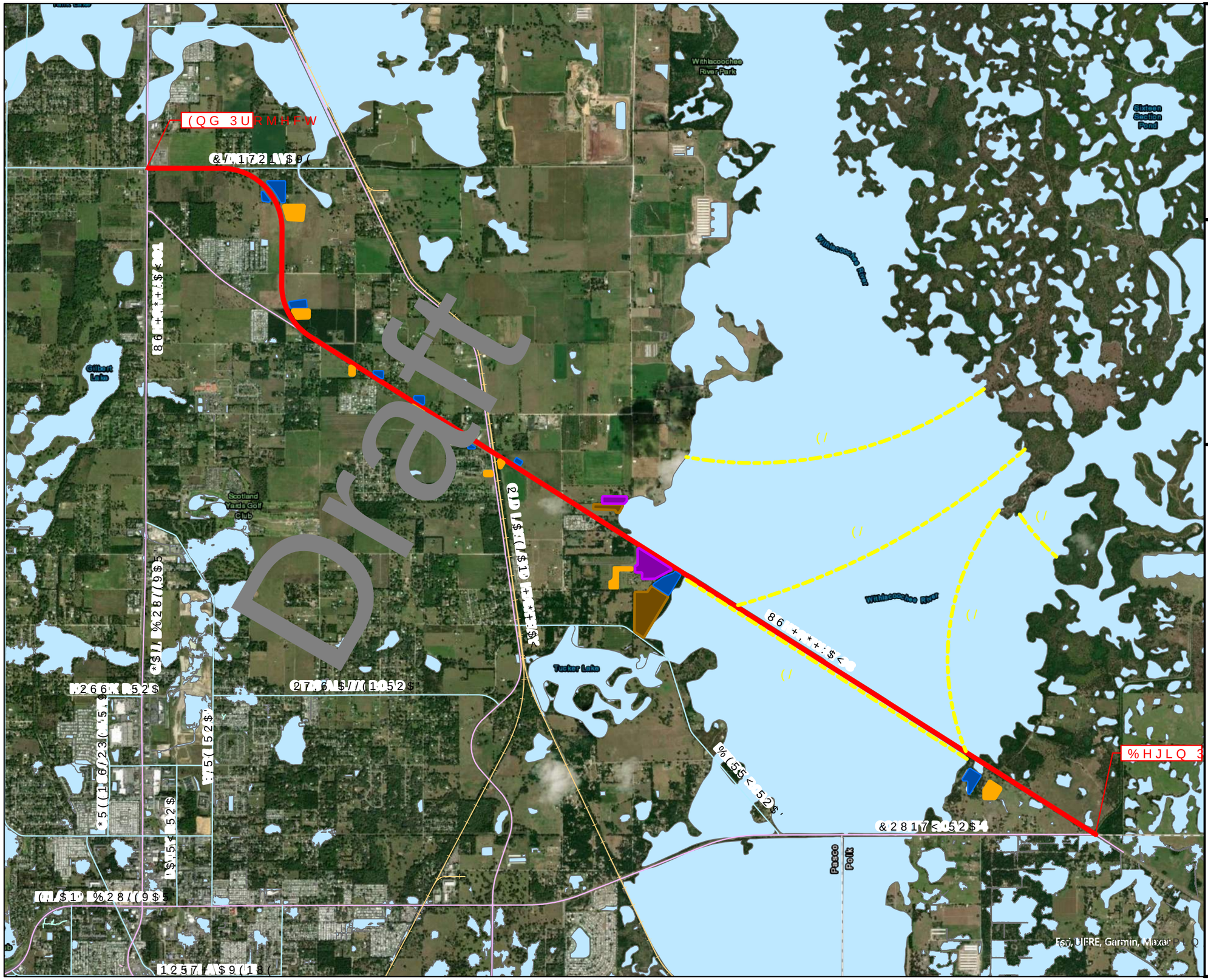

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NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded tenth-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

Base map information shown on this FIRM was provided in digital format by the Southwest Florida Water Management District. The original orthophotographic base imagery was provided in color with a one-foot pixel resolution at a scale of 1" = 100' from photography flown January - March 2005.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIRM visit the **MapService Center (MSC)** website at http://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map,** how to order products, or the National Flood Insurance Program in general, please call the **FEMA Map Information eXchange (FMIX)** at **1-877-FEMA-MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.

DATUM INFORMATION

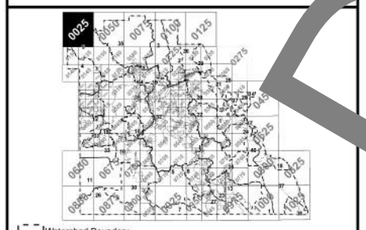
The **projection** used in the preparation of this map was State Plane Florida West. The **horizontal datum** was HARN, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane Zone used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not reflect the accuracy of this FIRM.

Base Flood Elevation (BFEs) on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
National Geodetic Survey, NOAA,
NNGS12
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

Example Datum Offset Calculation
using datum offset table below
NAVD88 = NGVD29 + (datum offset value)

To obtain current elevation, description, and/or location information for **benchmarks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242** or visit its website at http://www.ngs.noaa.gov/.

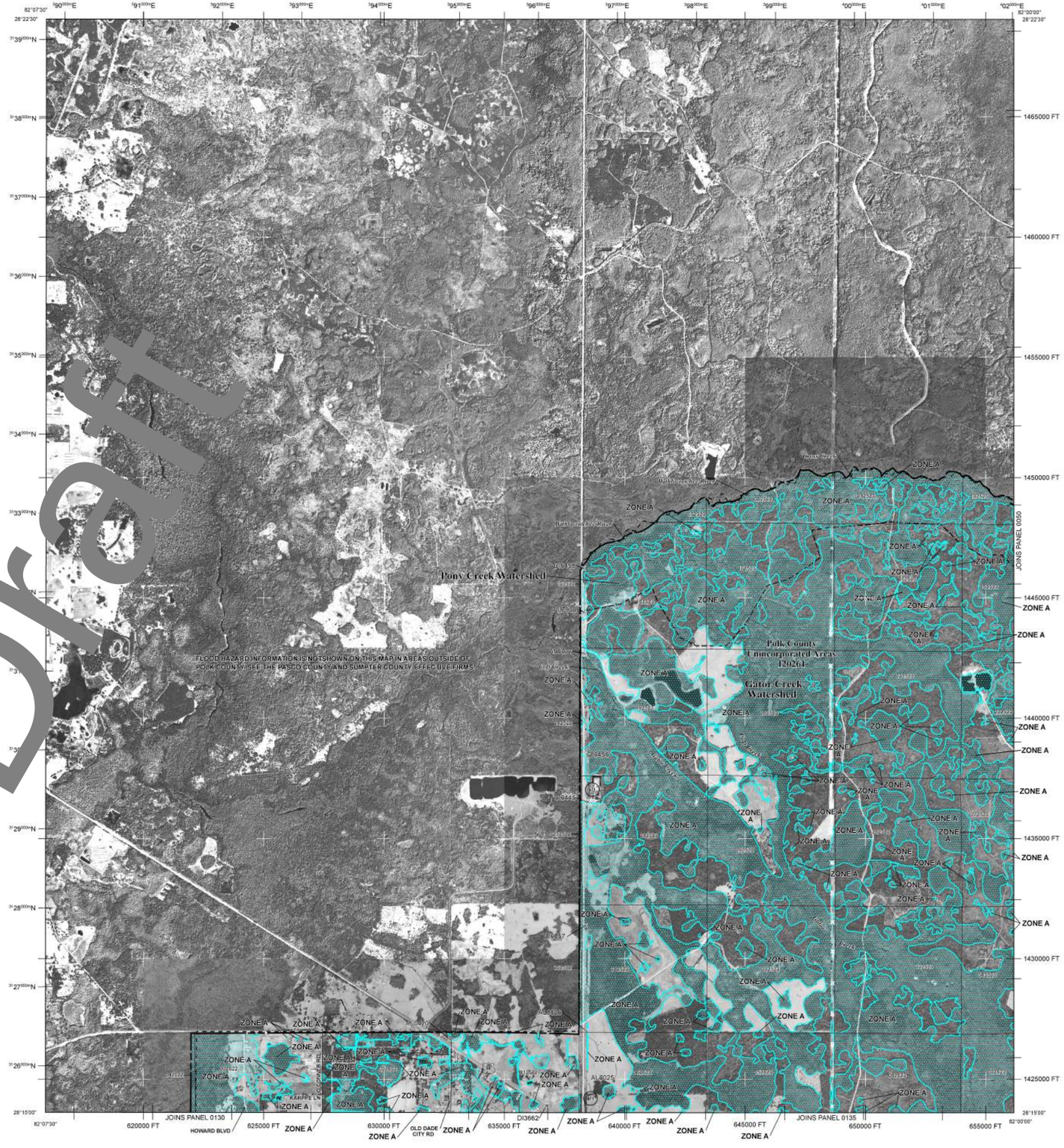


Watershed Boundary

Watershed*	Datum Offset (ft)	Study Type	Total Rainfall Volume (in) 1 Day 100yr	5 Day 100yr	Multi-Day Rainfall Used**	Date of Model
1. Arbuckle Creek	-1.0	Historical Delineation	11.0		YES	11/19/03
2. Big Creek East	-0.96	Historical Delineation				
3. Big Creek West	-0.96	Historical Delineation				
4. Blackwater Creek	-0.96	Redelineation				
5. Bowlegs Creek	-0.96	Redelineation				
6. Catfish Creek	-1.0	Historical Delineation	11.0		YES	11/19/03
7. Charlie Creek	-0.96	Historical Delineation				
8. Crooked Lake	-0.96	Redelineation				
9. Gator Creek	-0.96	Historical Delineation				
10. Homeland	-0.96	Redelineation				
11. Hookers Prairie/South Alafia	-0.96	Historical Delineation				
12. Itchepackesassa Creek	-0.96	Redelineation				
13. Lake Arbuckle	-1.0	Historical Delineation	11.0		YES	11/19/03
14. Lake Cypress	-1.0	Historical Delineation	11.0		YES	11/19/03
15. Lake Drain	-0.96	Redelineation				
16. Lake Hancock Area	-0.87	Detailed	10.5	16.0	YES	04/03/13
17. Lake Hatchineha	-1.0	Redelineation	11.0		YES	11/19/03
18. Lake Kissimmee	-1.0	Redelineation	11.0		YES	11/19/03
19. Lake Van	-0.88	Detailed	10.0	16.0	NO	09/13/12
20. Lake Marion	-1.0	Redelineation	11.0		YES	11/19/03
21. Lake Marion Creek	-1.0	Detailed	--		YES	11/23/09
22. Lake Pierce	-1.0	Redelineation	11.0		YES	11/19/03
23. Lake Reedy	-1.0	Redelineation	11.0		NO	11/19/03
24. Lake Rosalie	-1.0	Redelineation	11.0		YES	11/19/03
25. Lake Weohyakapka	-1.0	Redelineation	11.0		YES	11/19/03
26. Little Payne Creek	-0.96	Historical Delineation				
27. Livingston Creek	-1.0	Historical Delineation	11.0		NO	11/19/03
28. London Creek	-1.0	Limited Detailed	--		YES	11/23/09
29. Lower Reedy Creek	-1.0	Historical Delineation	11.0		YES	11/19/03
30. McCullough Creek	-0.96	Redelineation				
31. Mulberry (aka Christina)	-1.1	Detailed	10.5	16.0	NO	12/15/10
32. Peace Creek	-0.91	Detailed	9.0	16.0	YES	10/23/13
33. Polay Creek/North Alafia	-0.96	Redelineation				
34. Polk City	-0.88	Detailed	10.0	16.0	NO	09/13/12
35. Piony Creek	-0.96	Historical Delineation				
36. Reedy Creek	-0.96	Historical Delineation				
37. S-65A	-1.0	Historical Delineation	11.0		YES	11/19/03
38. S-65BC	-1.0	Historical Delineation	11.0		YES	11/19/03
39. Saddle Creek	-0.96	Redelineation				
40. Tiger Lake	-1.0	Historical Delineation	11.0		YES	11/19/03

* All Polk County watersheds listed.
** Multi-Day event used only in specific sub-basins, refer to FIS report.

This digital Flood Insurance Rate Map (FIRM) was produced through a cooperative partnership between the Southwest Florida Water Management District (SWFWMD), the South Florida Water Management District (SFWMD), Polk County, Federal Emergency Management Agency (FEMA), and the associated communities within Polk County.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.
513 — Base Flood Elevation line and value; elevation in feet*
(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*
* Referenced to the North American Vertical Datum of 1988
A — A — Cross section line
23 — 23 — Transect line
97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
4776000mE — 1000-meter Universal Transverse Mercator grid ticks, zone 17
6000000 FT — 1000-foot grid values: Florida State Plane coordinate system, West Zone (FIPSZONE = 0902), Transverse Mercator projection
DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
M1.5 — River Mile
222218 — Section - Township - Range
7NX1000 — Junction - Points defining locations of flow accumulation or hydraulic connectivity. The first two characters of the Junction name represents the specific watershed (as shown in the map collar locator map) in which the Junction is located (note that boundary Junctions, without an associated floodplain, are also shown).
Hydraulic Connectivity - Flow pathway between junctions.

MAP REPOSITORIES
Refer to Map Repositories List on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
December 20, 2000

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
December 22, 2016 – for reasons of revision, refer to the Notice to Flood Insurance Users contained within the Flood Insurance Study (FIS) report that accompanies this FIRM.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 2000'
1,000 0 1,000 2,000 3,000 4,000 FEET
500 0 500 1,000 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0025G

FIRM
FLOOD INSURANCE RATE MAP
POLK COUNTY, FLORIDA
AND INCORPORATED AREAS

PANEL 25 OF 1025
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
POLK COUNTY	120261	0025	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
12105C0025G
MAP REVISED
DECEMBER 22, 2016

Federal Emergency Management Agency

DRAFT

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole foot elevations. BFEs in detailed watersheds are rounded to tenth-foot elevations, see Watershed Table below. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

Base map information shown on this FIRM was provided in digital format by the Southwest Florida Water Management District. The original orthophotographic base imagery was provided in color with a one-foot pixel resolution at a scale of 1" = 1' from photography flown January 2009.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include Letters of Map Change, a *Flood Insurance Study report*, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov/. A FIRMETTE (full scale section of a FIRM) is also available at this website.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.

DATUM INFORMATION

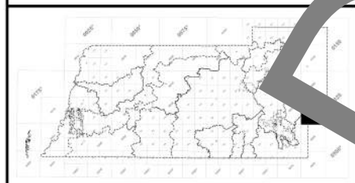
The **projection** used in the preparation of this map was State Plane Florida West. The **horizontal datum** was HARN, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane Zone used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not reflect the accuracy of this FIRM.

Base Flood Elevation (BFEs) on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3191

Example Datum Offset Calculation
using datum offset table below
NAVD88 = NGVD29 + (datum offset value)

To obtain current elevation, description, and/or location information for **benchmarks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242** or visit its website at http://www.ngs.noaa.gov/.



* PANEL NOT PRINTED

Watershed Boundary

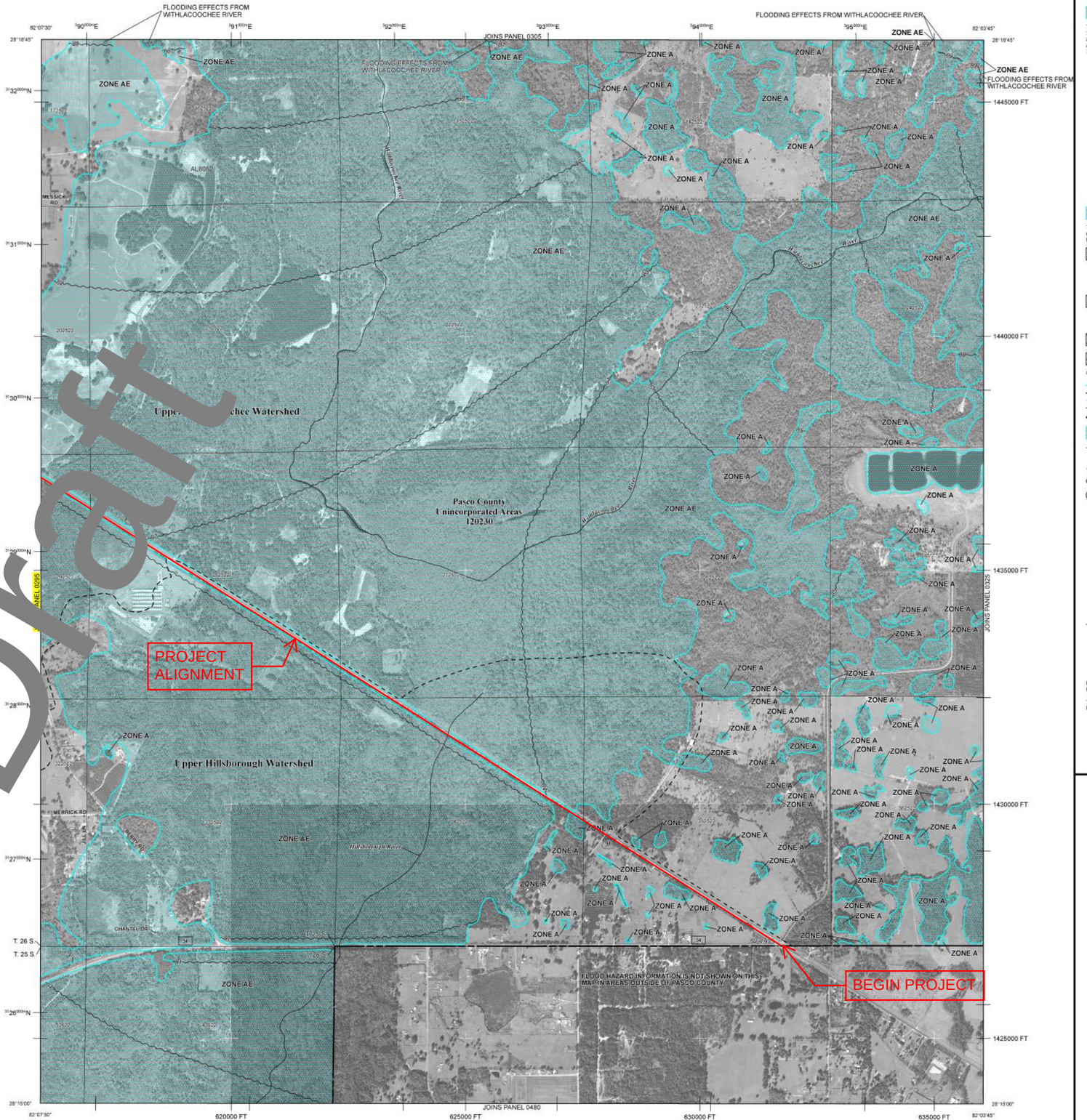
Coastal Construction Control Line
Developed by the Department of Environmental Protection to help guide coastal property from damage during storm events.

Watershed Table

Watershed	Datum Offset (ft)	Study Type	Total Rainfall Volume (in) 1 Day 100yr	Multi-Day Rainfall Used[2]	Date of Model
1. Bear Creek	-0.84	Effective Transfer[1]	12.0	NO	09/30/92
2. Blanton Lake	-0.84	Effective Transfer	11.0	NO	09/30/92
3. Cypress Creek	-0.84	Detailed	12.4	YES	04/27/10
4. Double Hammock Creek	-0.84	Effective Transfer[1]	12.0	NO	09/30/92
5. Duck Lake	-0.84	Effective Transfer	11.0	NO	09/30/92
6. East Pasco	-0.84	Detailed	12.0	YES	02/23/10
7. East Pinellas Anclote	-0.84	Detailed	12.0	NO	04/26/11
8. Hammock Creek	-0.84	Effective Transfer[1]	12.0	NO	09/30/92
9. Lower Coastal	-0.84	Effective Transfer[1]	12.1	NO	09/30/92
10. New River	-0.84	Effective Transfer	11.1	NO	09/30/92
11. North Lakes	-0.84	Effective Transfer	N/A	NO	09/30/92
12. Pithlachascotee	-0.84	Effective Transfer[1]	12.0	NO	09/30/92
13. Trout Creek	-0.84	Detailed	12.4	YES	06/29/10
14. Upper Hillsborough	-0.84	Effective Transfer	11.0	NO	05/01/79
15. Upper Pithlachascotee	-0.84	Effective Transfer	12.0	NO	09/30/92
16. Upper Withlacoochee	-0.84	Effective Transfer	10.9	NO	05/01/79
17. West Pinellas Anclote	-0.84	Effective Transfer	12.0	NO	09/30/92

[1]Redelineation performed for coastal flood zones
[2]Multi-Day event used only in specific sub-basins, refer to the FIS report.
[3]Zone X (shaded) 0.2% annual chance floodplain is delineated only in watersheds where the Study Type is Redelineation or Coastal. The 0.2% annual chance floodplain is not delineated in watersheds where the Study Type is Detailed. Refer to the Watershed Table for Study Type.

This digital Flood Insurance Rate Map (FIRM) was produced through a cooperative partnership between the Southwest Florida Water Management District (SWFWMD), Pasco County, Federal Emergency Management Agency (FEMA), and the associated communities within Pasco County.



Draft

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X[3]	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot; and areas protected by levees from 1% annual chance flood. [3]See additional note in Watershed Table on left collar.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities
513 — Base Flood Elevation line and value; elevation in feet*
(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*
* Referenced to the North American Vertical Datum of 1988
A — A — Cross section line
23 — 23 — Transect line
97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
4775000mE — 1000-meter Universal Transverse Mercator grid ticks, zone 17
6000000 FT — 5000-foot grid values: Florida State Plane coordinate system, West Zone (FIPSZONE = 0902), Transverse Mercator projection
DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
M1.5 — River Mile
222218 — Section - Township - Range
7NX1000 — Junction - Points defining locations of flow accumulation or hydraulic connectivity. The first two characters of the Junction name represents the specific watershed (as shown in the map collar locator map) in which the Junction is located (note that boundary Junctions, without an associated floodplain, are also shown).
Hydraulic Connectivity - Flow pathway between junctions.

MAP REPOSITORIES
Refer to Map Repositories List on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
September 26, 2014
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'
500 0 500 1,000 1,500 2,000 FEET
300 0 300 600 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0315F

FIRM
FLOOD INSURANCE RATE MAP
PASCO COUNTY, FLORIDA
AND INCORPORATED AREAS

PANEL 315 OF 500
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PASCO COUNTY	120230	0315	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
12101C0315F
EFFECTIVE DATE
SEPTEMBER 26, 2014

Federal Emergency Management Agency

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole foot elevations. BFEs in detailed watersheds are rounded to tenth-foot elevations, see Watershed Table below. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

Base map information shown on this FIRM was provided in digital format by the Southwest Florida Water Management District. The original orthophotographic base imagery was provided in color with a one-foot pixel resolution at a scale of 1" = 1' from photography flown January 2009.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include Letters of Map Change, a *Flood Insurance Study report*, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov/. A FIRMETTE (full scale section of a FIRM) is also available at this website.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.

DATUM INFORMATION

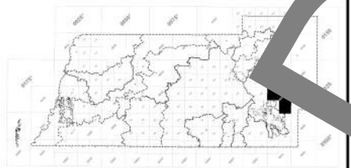
The **projection** used in the preparation of this map was State Plane Florida West. The **horizontal datum** was HARN, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane Zone used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not reflect the accuracy of this FIRM.

Base Flood Elevation (BFEs) on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3191

Example Datum Offset Calculation
using datum offset table below
NAVD88 = NGVD29 + (datum offset value)

To obtain current elevation, description, and/or location information for **benchmarks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242** or visit its website at http://www.ngs.noaa.gov/.



* PANEL NOT PRINTED

Watershed Boundary

Coastal Construction Control Line
Delineated by the Department of Environmental Protection to designate coastal property from damage during storm events.

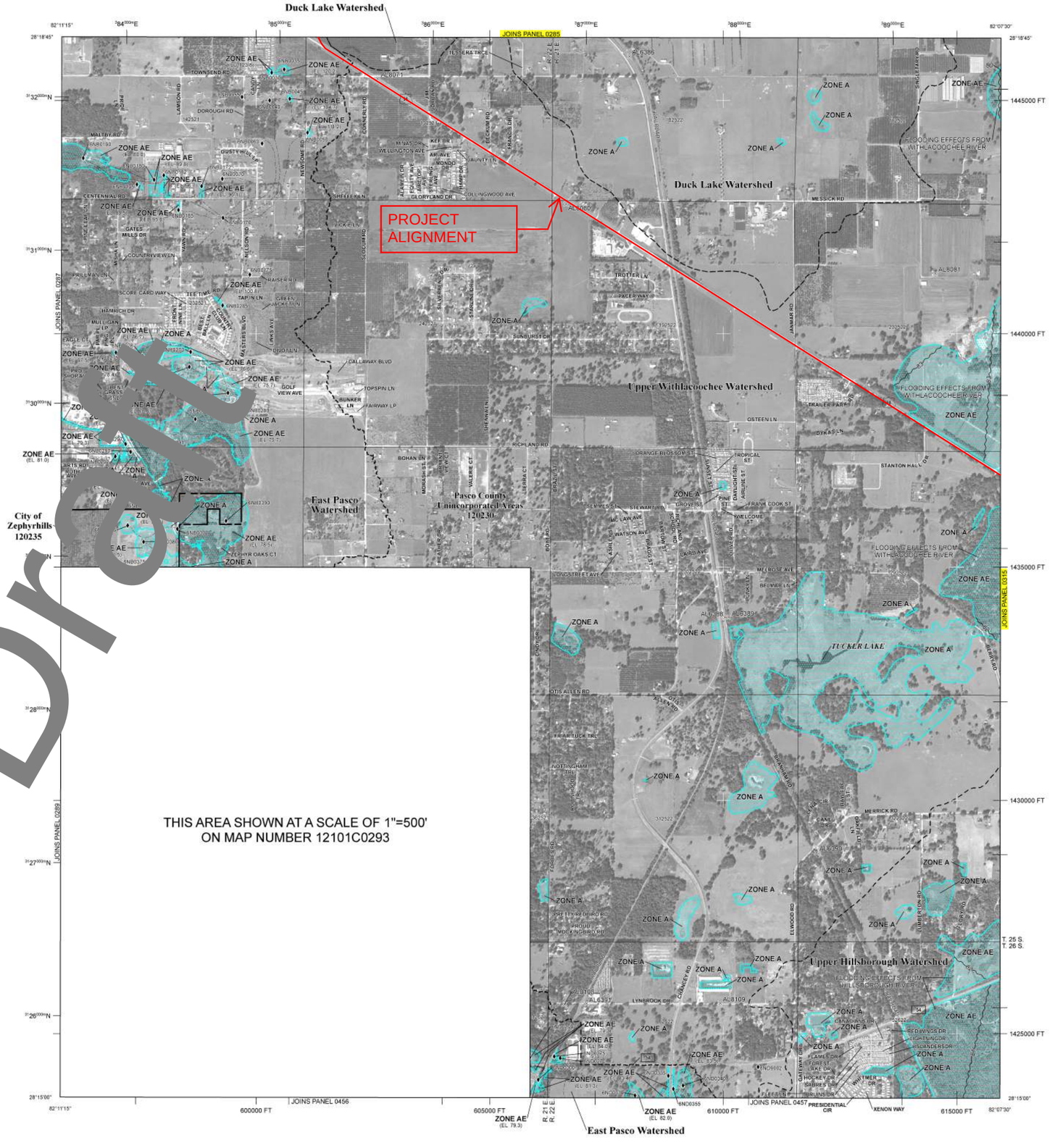
Watershed Table

Watershed	Datum Offset (ft)	Study Type	1 Day 100yr	Total Rainfall Volume (in) Multi-Day Rainfall Used[2]	Date of Model
1. Bear Creek	-0.84	Effective Transfer[1]	12.0	NO	09/30/92
2. Blanton Lake	-0.84	Effective Transfer	11.0	NO	09/30/92
3. Cypress Creek	-0.84	Detailed	12.4	YES	04/27/10
4. Double Hammock Creek	-0.84	Effective Transfer[1]	12.0	NO	09/30/92
5. Duck Lake	-0.84	Effective Transfer	11.0	NO	09/30/92
6. East Pasco	-0.84	Detailed	12.0	YES	02/23/10
7. East Pinellas Anclote	-0.84	Detailed	12.0	NO	04/26/11
8. Hammock Creek	-0.84	Effective Transfer[1]	12.0	NO	09/30/92
9. Lower Coastal	-0.84	Effective Transfer[1]	12.1	NO	09/30/92
10. New River	-0.84	Effective Transfer	11.1	NO	09/30/92
11. North Lakes	-0.84	Effective Transfer	N/A	NO	09/30/92
12. Pithlachascotee	-0.84	Effective Transfer[1]	12.0	NO	09/30/92
13. Trout Creek	-0.84	Detailed	12.4	YES	06/29/10
14. Upper Hillsborough	-0.84	Effective Transfer	11.0	NO	05/01/79
15. Upper Pithlachascotee	-0.84	Effective Transfer	12.0	NO	09/30/92
16. Upper Withlacoochee	-0.84	Effective Transfer	10.9	NO	05/01/79
17. West Pinellas Anclote	-0.84	Effective Transfer	12.0	NO	09/30/92

[1]Redelineation performed for coastal flood zones
[2]Multi-Day event used only in specific sub-basins, refer to the FIS report.

[3]Zone X (shaded) 0.2% annual chance floodplain is delineated only in watersheds where the Study Type is Redelineation or Coastal. The 0.2% annual chance floodplain is not delineated in watersheds where the Study Type is Detailed. Refer to the Watershed Table for Study Type.

This digital Flood Insurance Rate Map (FIRM) was produced through a cooperative partnership between the Southwest Florida Water Management District (SWFWMD), Pasco County, Federal Emergency Management Agency (FEMA), and the associated communities within Pasco County.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- **ZONE A** — No Base Flood Elevations determined.
- **ZONE AE** — Base Flood Elevations determined.
- **ZONE AH** — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- **ZONE AO** — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- **ZONE AR** — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- **ZONE A99** — Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
- **ZONE V** — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- **ZONE VE** — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- **ZONE X[3]** — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot; and areas protected by levees from 1% annual chance flood. [3]See additional note in Watershed Table on left collar.

OTHER AREAS

- **ZONE X** — Areas determined to be outside the 0.2% annual chance floodplain.
- **ZONE D** — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities
- 513 (EL 987) — Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- A — A — Cross section line
- 23 — 23 — Transect line
- 97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4275000 FT — 1000-meter Universal Transverse Mercator grid ticks, zone 17
- 6000000 FT — 5000-foot grid values: Florida State Plane coordinate system, West Zone (FIPSZONE = 0902), Transverse Mercator projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile
- 222218 — Section - Township - Range
- 7NX1000 — Junction - Points defining locations of flow accumulation or hydraulic connectivity. The first two characters of the Junction name represents the specific watershed (as shown in the map collar locator map) in which the Junction is located (note that boundary Junctions, without an associated floodplain, are also shown).
- Hydraulic Connectivity - Flow pathway between junctions.

MAP REPOSITORIES
Refer to Map Repositories List on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
September 26, 2014
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'

500 0 500 1,000 1,500 2,000 FEET
300 0 300 600 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0295F

FIRM
FLOOD INSURANCE RATE MAP
PASCO COUNTY, FLORIDA
AND INCORPORATED AREAS

PANEL 295 OF 500

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PASCO COUNTY	120230	0295	F
ZEPHYRHILLS, CITY OF	120235	0295	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
12101C0295F
EFFECTIVE DATE
SEPTEMBER 26, 2014

Federal Emergency Management Agency

Draft

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole foot elevations. BFEs in detailed watersheds are rounded to tenth-foot elevations, see Watershed Table below. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

Base map information shown on this FIRM was provided in digital format by the Southwest Florida Water Management District. The original orthophotographic base imagery was provided in color with a one-foot pixel resolution at a scale of 1" = 1' from photography flown January 2009.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include Letters of Map Change, a *Flood Insurance Study report*, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov/. A FIRMETTE (full scale section of a FIRM) is also available at this website.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.

DATUM INFORMATION

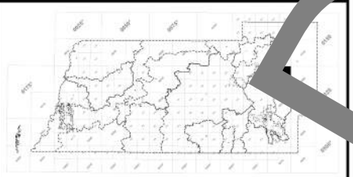
The **projection** used in the preparation of this map was State Plane Florida West. The **horizontal datum** was HARN, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane Zone used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not reflect the accuracy of this FIRM.

Base Flood Elevation (BFEs) on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3191

Example Datum Offset Calculation
using datum offset table below
NAVD88 = NGVD29 + (datum offset value)

To obtain current elevation, description, and/or location information for **benchmarks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242** or visit its website at http://www.ngs.noaa.gov/.



* PANEL NOT PRINTED

Watershed Boundary

Coastal Construction Control Line
Delineated by the Department of Environmental Protection to designate coastal property from damage during storms.

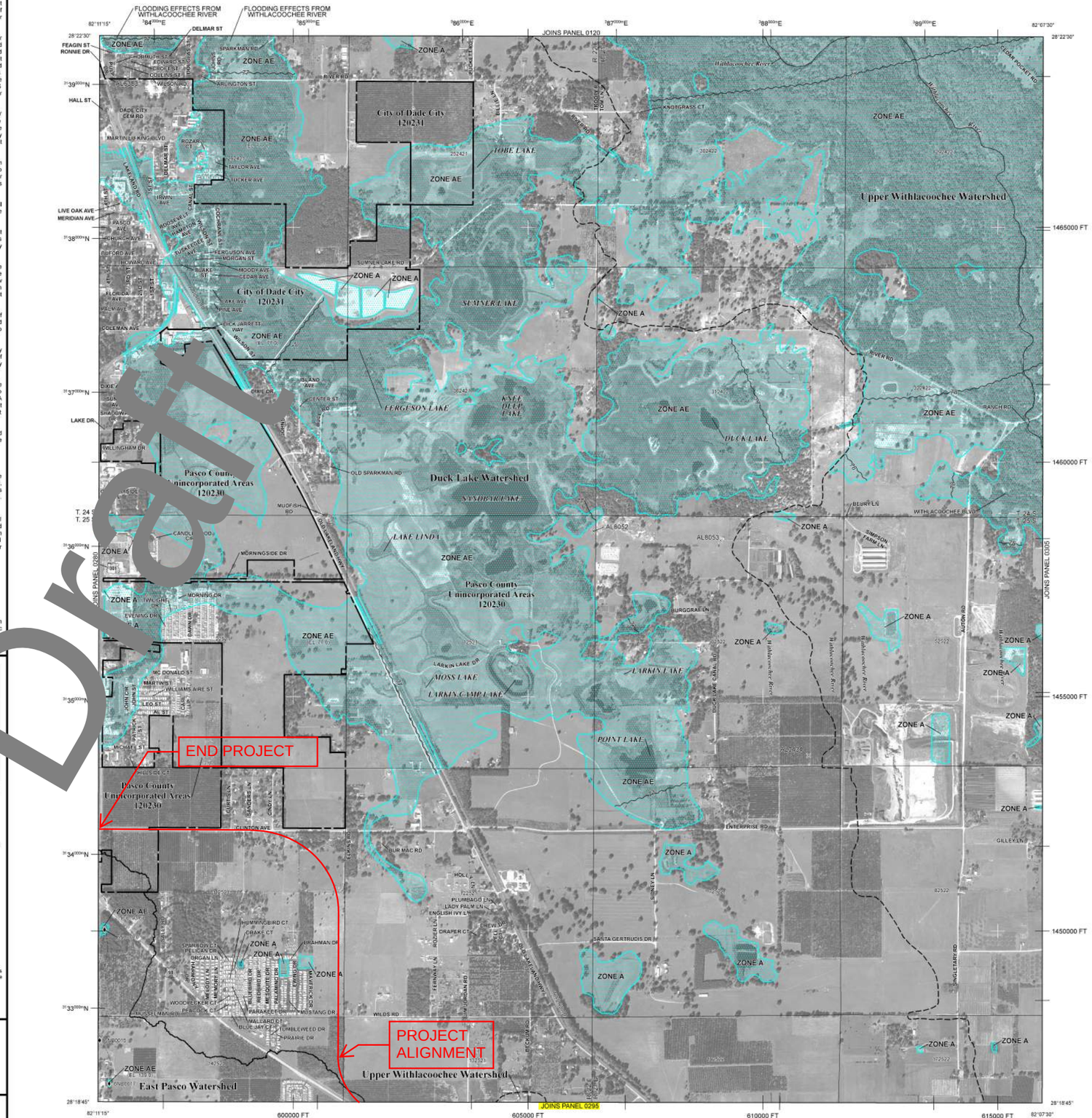
Watershed Table

Watershed	Datum Offset (ft)	Study Type	Total Rainfall Volume (in) 1 Day 100yr	Multi-Day Rainfall Used[2]	Date of Model
1. Bear Creek	-0.84	Effective Transfer[1]	12.0	NO	09/30/92
2. Blanton Lake	-0.84	Effective Transfer	11.0	NO	09/30/92
3. Cypress Creek	-0.84	Detailed	12.4	YES	04/27/10
4. Double Hammock Creek	-0.84	Effective Transfer[1]	12.0	NO	09/30/92
5. Duck Lake	-0.84	Effective Transfer	11.0	NO	09/30/92
6. East Pasco	-0.84	Detailed	12.0	YES	02/23/10
7. East Pinellas Anclote	-0.84	Detailed	12.0	NO	04/26/11
8. Hammock Creek	-0.84	Effective Transfer[1]	12.0	NO	09/30/92
9. Lower Coastal	-0.84	Effective Transfer[1]	12.1	NO	09/30/92
10. New River	-0.84	Effective Transfer	11.1	NO	09/30/92
11. North Lakes	-0.84	Effective Transfer	N/A	NO	09/30/92
12. Pithlachascotee	-0.84	Effective Transfer[1]	12.0	NO	09/30/92
13. Trout Creek	-0.84	Detailed	12.4	YES	06/29/10
14. Upper Hillsborough	-0.84	Effective Transfer	11.0	NO	05/01/79
15. Upper Pithlachascotee	-0.84	Effective Transfer	12.0	NO	09/30/92
16. Upper Withlacoochee	-0.84	Effective Transfer	10.9	NO	05/01/79
17. West Pinellas Anclote	-0.84	Effective Transfer	12.0	NO	09/30/92

[1]Redelineation performed for coastal flood zones
[2]Multi-Day event used only in specific sub-basins, refer to the FIS report.

[3]Zone X (shaded) 0.2% annual chance floodplain is delineated only in watersheds where the Study Type is Redelineation or Coastal. The 0.2% annual chance floodplain is not delineated in watersheds where the Study Type is Detailed. Refer to the Watershed Table for Study Type.

This digital Flood Insurance Rate Map (FIRM) was produced through a cooperative partnership between the Southwest Florida Water Management District (SWFWMD), Pasco County, Federal Emergency Management Agency (FEMA), and the associated communities within Pasco County.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
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ZONE A99	Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X[3]	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot; and areas protected by levees from 1% annual chance flood. [3]See additional note in Watershed Table on left collar.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities
513 — Base Flood Elevation line and value; elevation in feet*
(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

A — A — Cross section line
23 — 23 — Transect line
97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
4°75'000"E — 1000-meter Universal Transverse Mercator grid ticks, zone 17
6000000 FT — 5000-foot grid values: Florida State Plane coordinate system, West Zone (FIPSZONE = 0902), Transverse Mercator projection
DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
M1.5 — River Mile
222218 — Section - Township - Range
7NX1000 — Junction - Points defining locations of flow accumulation or hydraulic connectivity. The first two characters of the Junction name represents the specific watershed (as shown in the map collar locator map) in which the Junction is located (note that boundary Junctions, without an associated floodplain, are also shown).
Hydraulic Connectivity - Flow pathway between junctions.

MAP REPOSITORIES
Refer to Map Repositories List on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
September 26, 2014
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at : 800-638-6620.

MAP SCALE 1" = 1000'
500 0 500 1,000 1,500 2,000 FEET
300 0 300 600 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0285F

FIRM

FLOOD INSURANCE RATE MAP

PASCO COUNTY, FLORIDA AND INCORPORATED AREAS

PANEL 285 OF 500

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DADE CITY, CITY OF	120231	0285	F
PASCO COUNTY	120230	0285	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

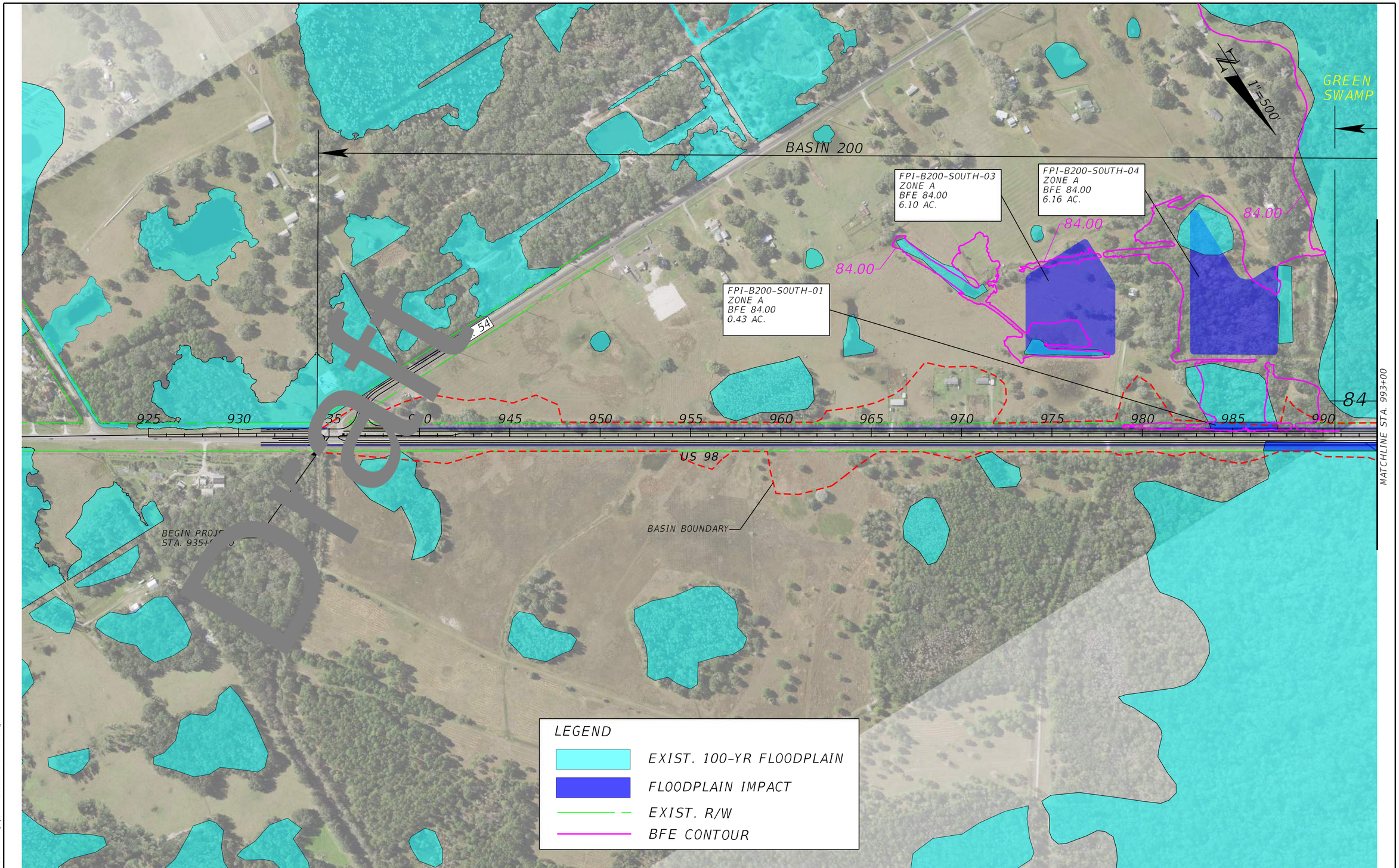
MAP NUMBER
12101C0285F
EFFECTIVE DATE
SEPTEMBER 26, 2014

Federal Emergency Management Agency

Draft

APPENDIX 8
Floodplain Impact Area Map

Draft



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

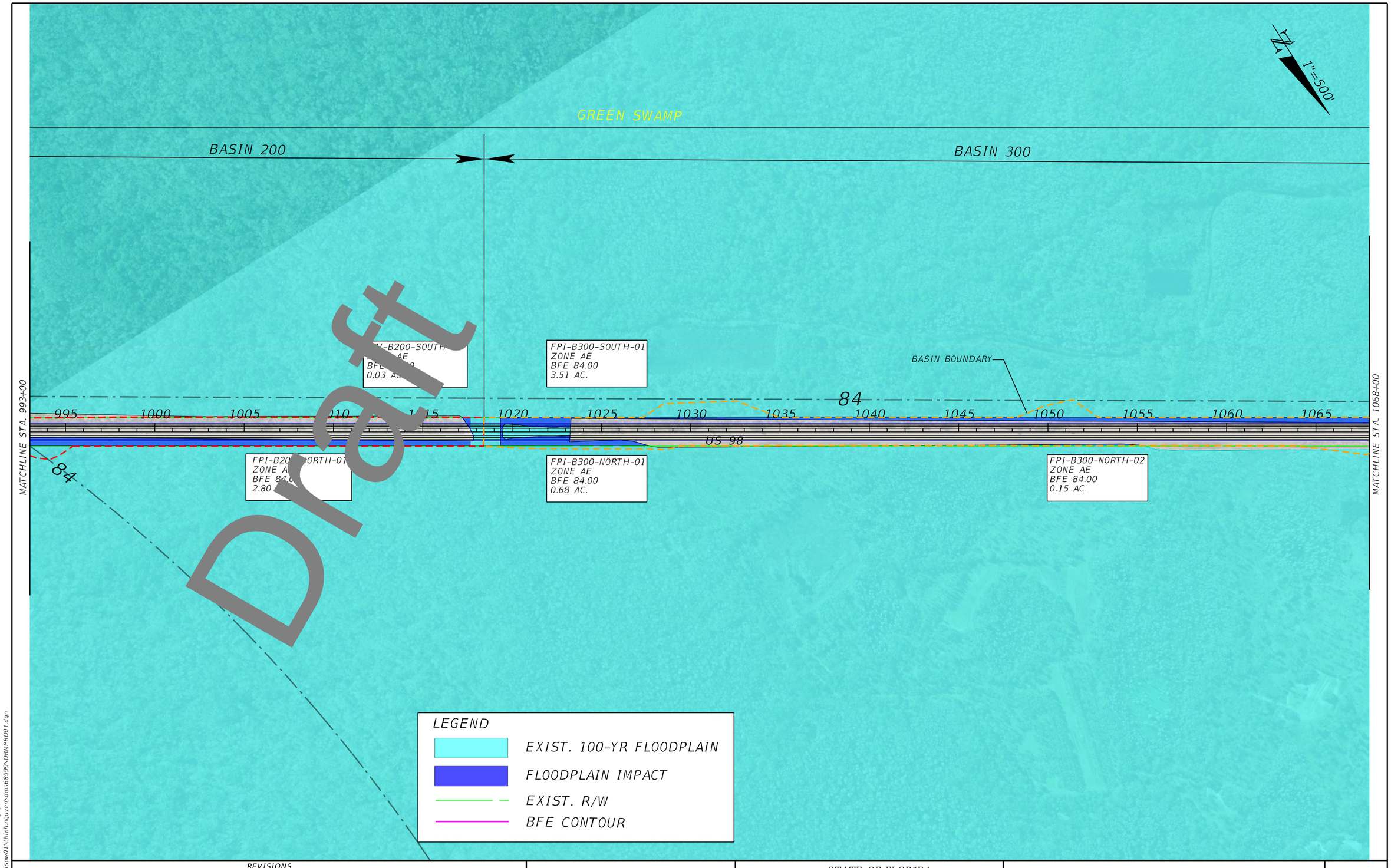
GREGG B HAMM, P.E.
P.E. LICENSE NUMBER 69760
ARCADIS U.S., INC.
3109 WEST DR. MARTIN LUTHER KING JR. BLVD.
TAMPA, FL 33607
T: 813 903 3100
CERTIFICATE OF AUTHORIZATION NO.: 7917

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

APPENDIX 8
FLOODPLAIN IMPACT MAP

SHEET NO. 1



Draft

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGG B HAMM, P.E.
P.E. LICENSE NUMBER 69760
ARCADIS U.S., INC.
3109 WEST DR. MARTIN LUTHER KING JR. BLVD.
TAMPA, FL 33607
T: 813 903 3100
CERTIFICATE OF AUTHORIZATION NO.: 7917

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

APPENDIX 8
FLOODPLAIN IMPACT MAP

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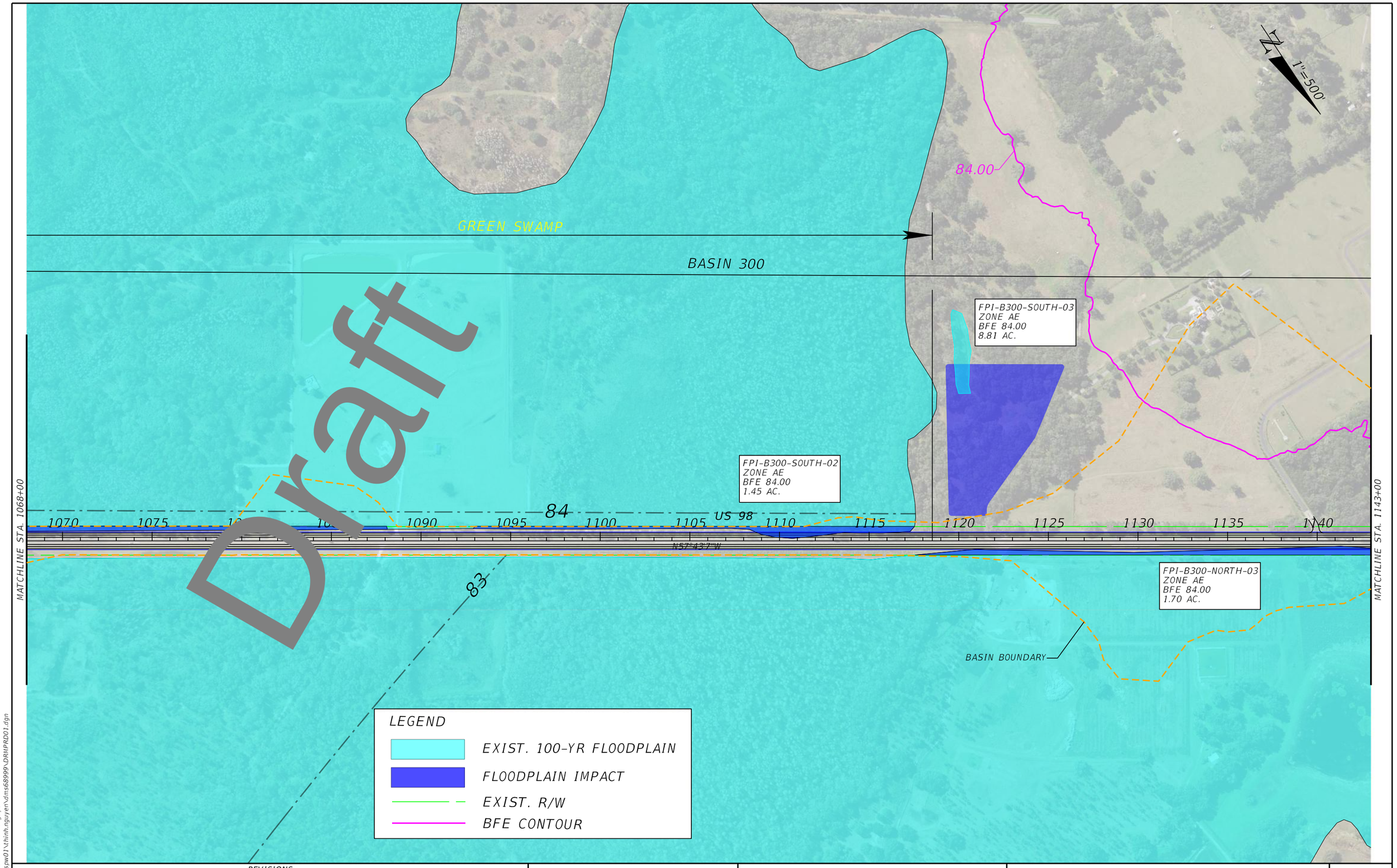

Draft

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGG B HAMM, P.E.
P.E. LICENSE NUMBER 69760
ARCADIS U.S., INC.
3109 WEST DR. MARTIN LUTHER KING JR. BLVD.
TAMPA, FL 33607
T: 813 903 3100
CERTIFICATE OF AUTHORIZATION NO.: 7917

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

APPENDIX 8
FLOODPLAIN IMPACT MAP

SHEET NO. 3

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGG B HAMM, P.E.
P.E. LICENSE NUMBER 69760
ARCADIS U.S., INC.
3109 WEST DR. MARTIN LUTHER KING JR. BLVD.
TAMPA, FL 33607
T: 813 903 3100
CERTIFICATE OF AUTHORIZATION NO.: 7917

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

APPENDIX 8
FLOODPLAIN IMPACT MAP

SHEET NO. 4

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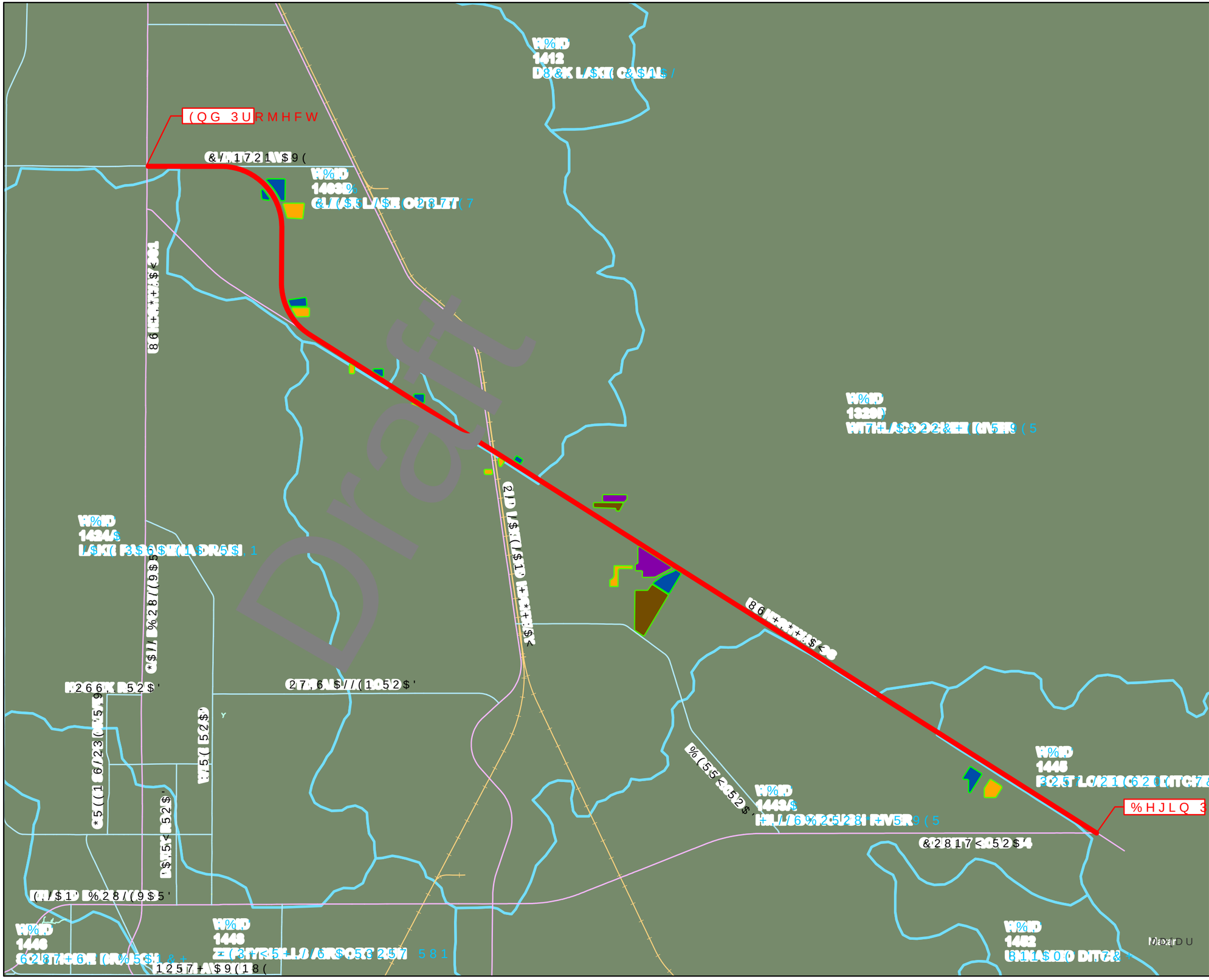
APPENDIX 9
WBID Map

Draft



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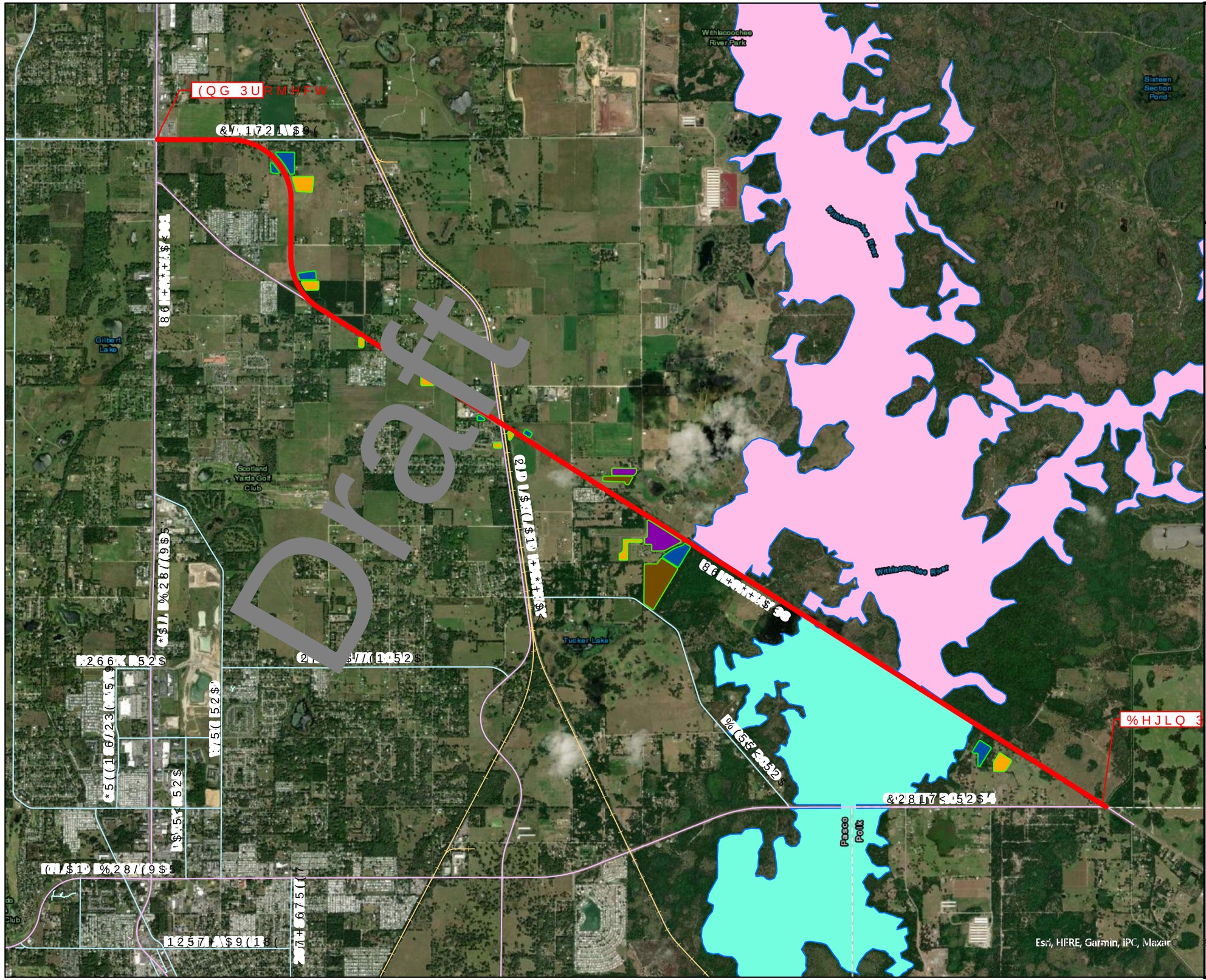
APPENDIX 10
Outstanding Florida Waters (OFW) Map

Draft



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- $OWHUQDWH 60) $UHD
- 3UHIHUUHG)ORRGSODLQ
- $OWHUQDWH)ORRGSODLQ

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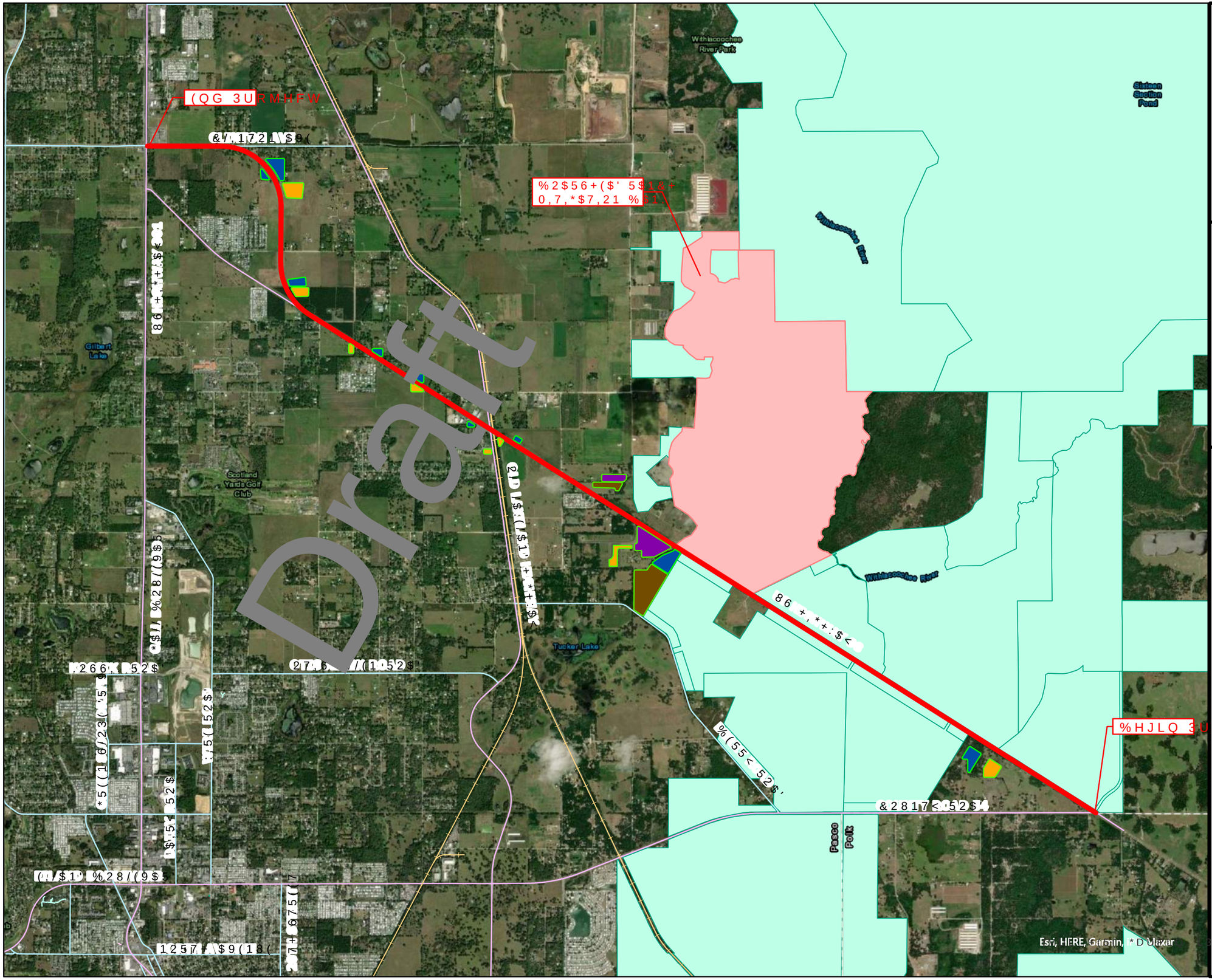
%HJLQ 3URMHFW

APPENDIX 11
Conservation Easement Map

Draft



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- $OWHUQDWH 60) $UHD
- 3UHIHUUHG)ORRGSODLQ
- $OWHUQDWH)ORRGSODL
- %RDUVKHDG 5DQFK 0LW
- 6:)0' 2ZQHG /DQG

%HJLQ 3UR MHFW

& 0D[DU

APPENDIX 12
Rainfall A[illegible]
SWFWMD Rainfall M[illegible]

Draft

FDOT (Zone 6) Storm Events

Storm	**24-hour**
25-year	8.61
100-year	12.10

SWFWMD Storm Events

	Duration
Storm	**24-hour**
25-year	8.30
100-year	11.50

Draft

Southwest Florida Water Management District

PART D
PROJECT DESIGN AIDS

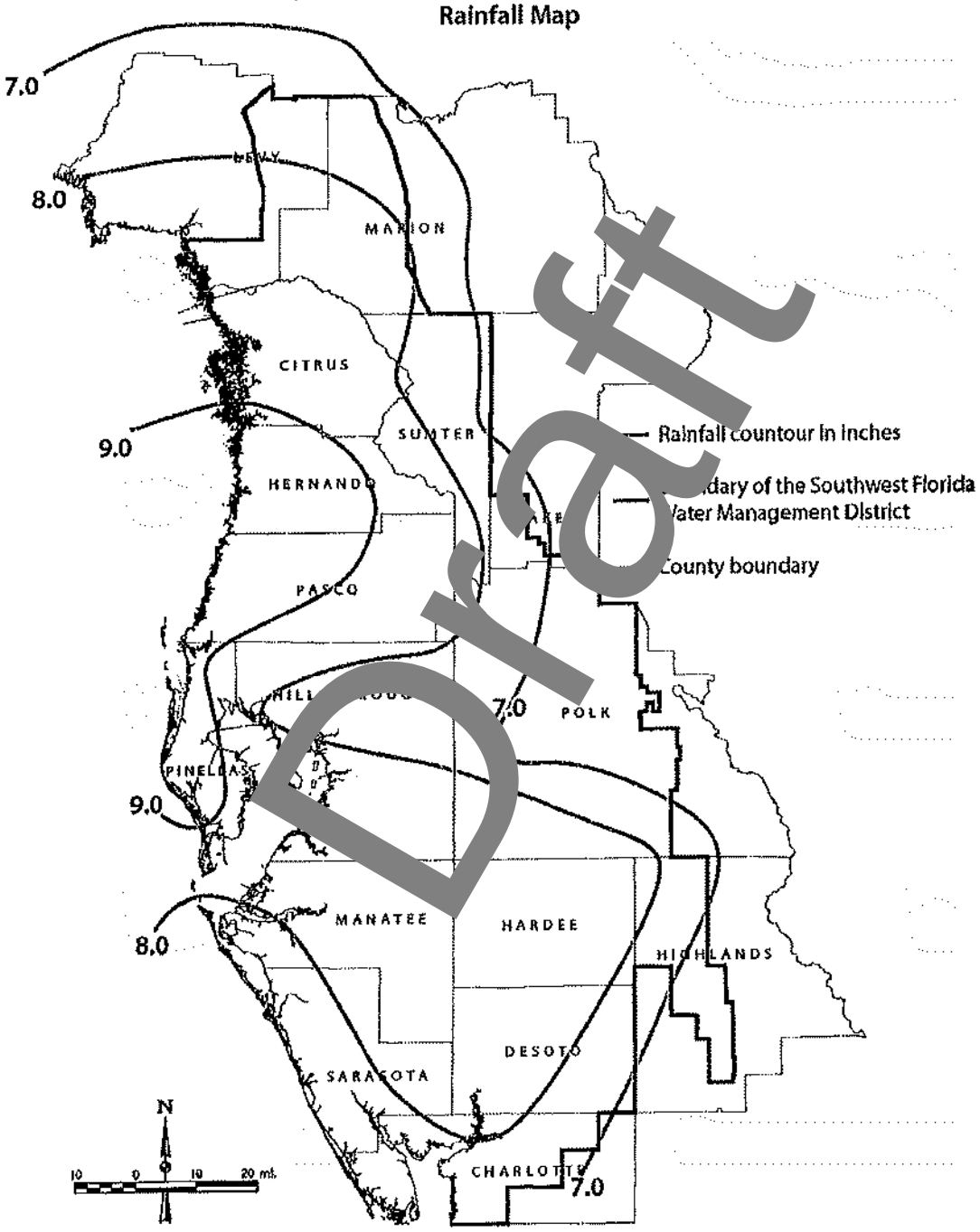
ENVIRONMENTAL RESOURCE PERMITTING
INFORMATION MANUAL

Draft

MANAGEMENT AND STORAGE OF SURFACE WATERS

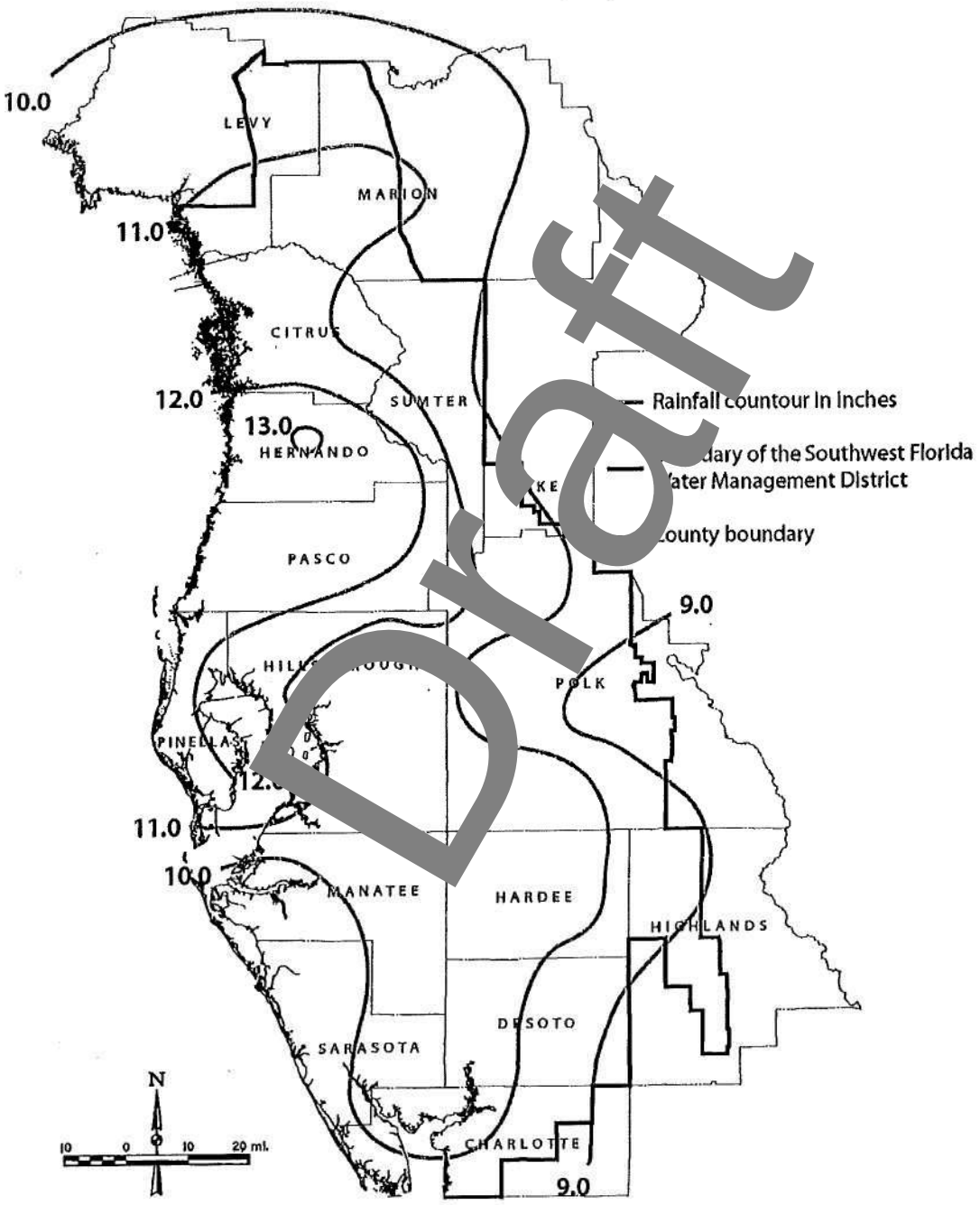
JULY 1996

Figure D-5
Twenty-Four-Hour Twenty-Five-Year Return Period
Rainfall Map



Draft

Figure D-7
Twenty-Four-Hour One-Hundred-Year Return Period
Rainfall Map



Draft

D. Rainfall Distribution

The USDA-Natural Resources Conservation Service [formerly Soil Conservation Service (SCS)] Type II Florida Modified Rainfall distribution shown in TABLE D-1 is recommended for use in the analysis of the water quantity portion of the rule. Other distributions which produce similar results may also be used if appropriate.

Draft

TABLE D-1

RAINFALL RATIOS (ACCUMULATED 24-HOUR TOTAL)

TIME (HR	SCS TYPE II FL. MODIFIED
0.0	.000
0.5	.006
1.0	.012
1.5	.019
2.0	.025
2.5	.032
3.0	.039
3.5	.047
4.0	.054
4.5	.062
5.0	.071
5.5	.080
6.0	.089
6.5	.099
7.0	.110
7.5	.122
8.0	.134
8.5	.148
9.0	.164
9.5	.181
10.0	.201
10.5	.226
11.0	.258
11.5	.308
12.0	.607
12.5	.719
13.0	.757
13.5	.785
14.0	.807
14.5	.826
15.0	.842
15.5	.857
16.0	.870
16.5	.882
17.0	.893
17.5	.904
18.0	.913
18.5	.923
19.0	.931
19.5	.940
20.0	.948
20.5	.955
21.0	.962
21.5	.969
22.0	.976
22.5	.983
23.0	.989
23.5	.995
24.0	1.000

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APPENDIX 13

Recommended Alternative Plan

(with parcel number, parcel owner, project pond and floodplain compensation locations identified)

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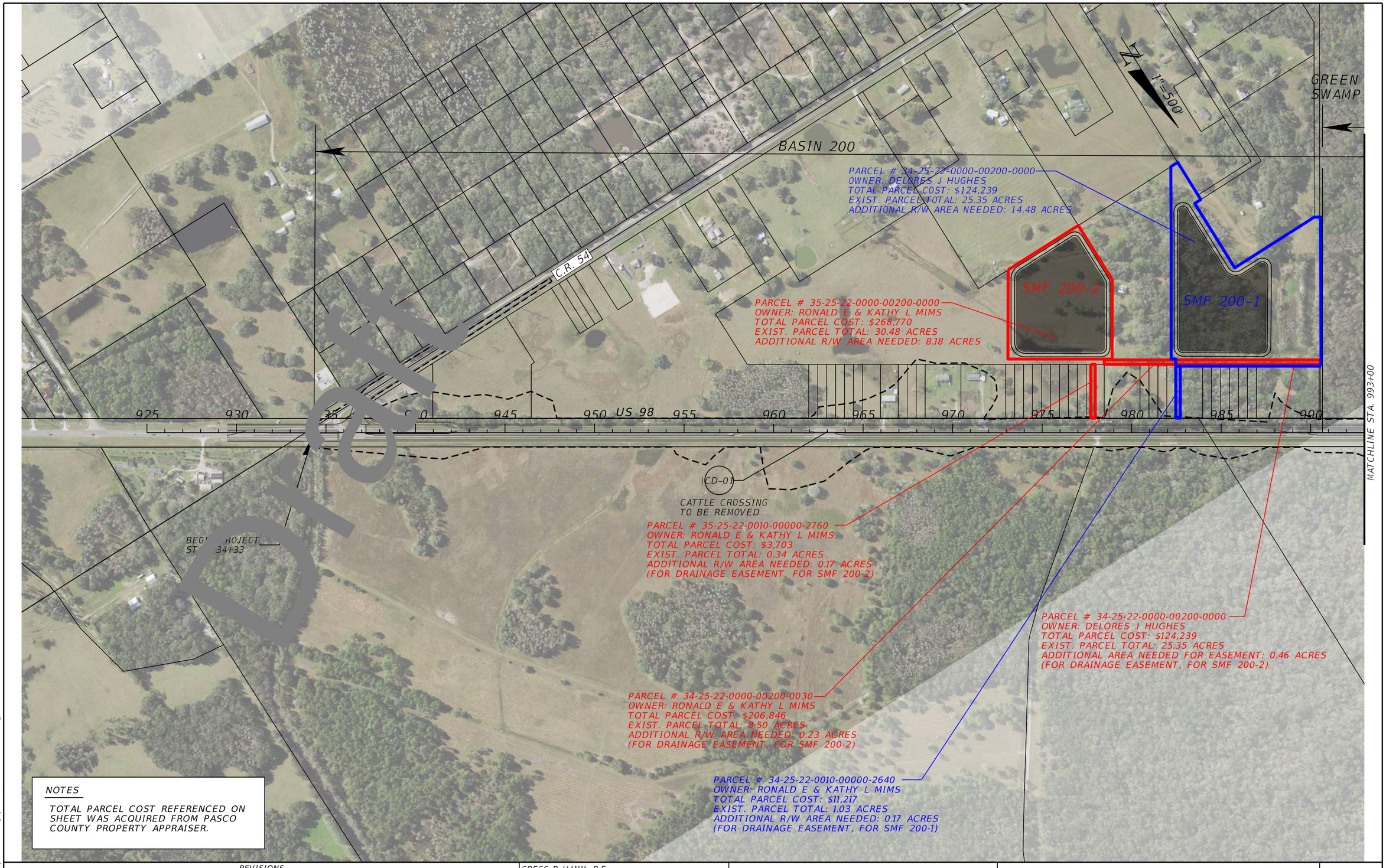

NOT FOR CONSTRUCTION

NOTES

TOTAL PARCEL COST REFERENCED ON SHEET WAS ACQUIRED FROM PASCO COUNTY PROPERTY APPRAISER.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGG B HAMM, P.E.
P.E. LICENSE NUMBER 69760
ARCADIS U.S., INC.
4300 WEST CYPRESS ST.
SUITE 450
TAMPA, FL 33607
T: 813 903 3100
CERTIFICATE OF AUTHORIZATION NO.: 7917

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

APPENDIX 13 - RECOMMENDED ALTERNATIVES PLAN

SHEET NO. 1

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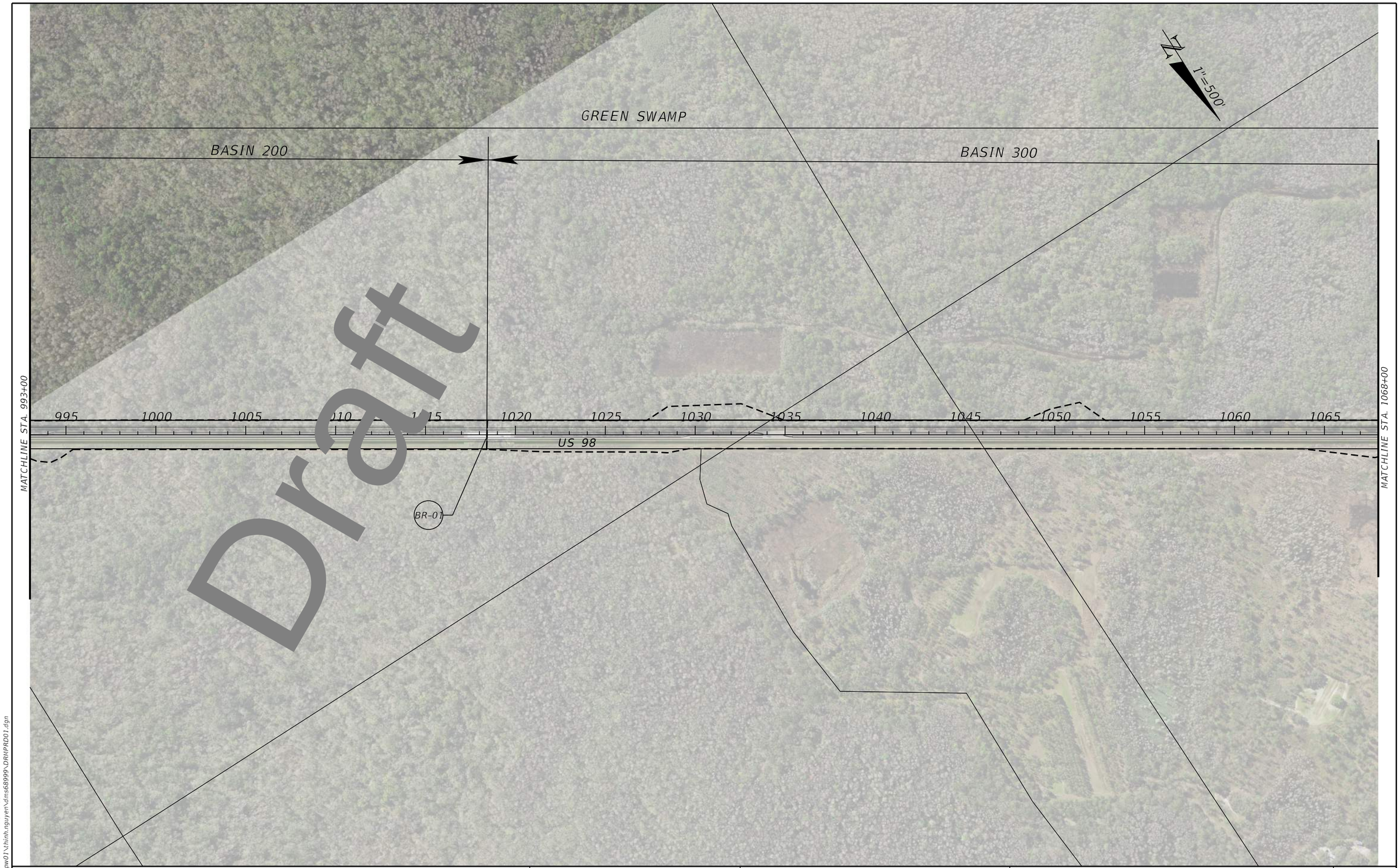

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

APPENDIX 13 -
RECOMMENDED ALTERNATIVES PLAN

SHEET NO. 2

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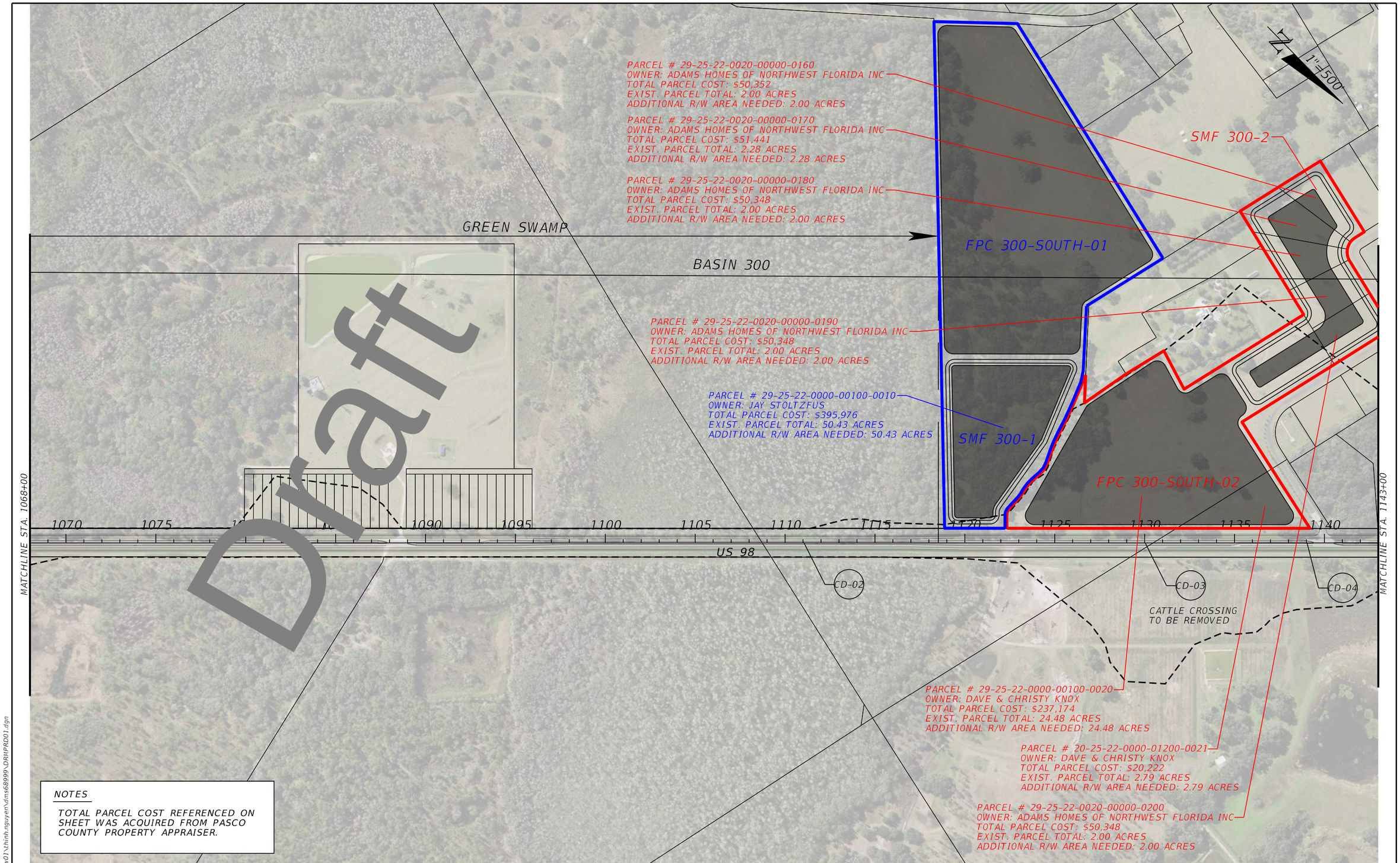

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NOTES

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REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

APPENDIX 13 - RECOMMENDED ALTERNATIVES PLAN

SHEET NO. 3

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BASIN 300

BASIN 400

BASIN 500

OLD LAKELAND HWY

1"=500'

PARCEL # 19-25-22-003A-00A00-0000
OWNER: DERRELL WARREN WILSON
TOTAL PARCEL COST: $150,628
EXIST. PARCEL TOTAL: 4.72 ACRES
ADDITIONAL R/W AREA NEEDED: 1.61 ACRES

PARCEL # 19-25-22-0000-01000-0000
OWNER: RG MANAGEMENT GROUP LLC
TOTAL PARCEL COST: $739,269
EXIST. PARCEL TOTAL: 30.54 ACRES
ADDITIONAL R/W AREA NEEDED: 1.62 ACRES

PARCEL # 19-25-22-0000-01000-0000
OWNER: RG MANAGEMENT GROUP LLC
TOTAL PARCEL COST: $739,269
EXIST. PARCEL TOTAL: 30.54 ACRES
ADDITIONAL EASEMENT AREA NEEDED: 0.15 ACRES
(INGRESS/EGRESS EASEMENT
FOR SMF 400-2)

SMF 500-2

SMF 400-2

RYR

MATCHLINE STA. 1143+00

1145 1150 1155 1160 1165 1170 1175 1180 1185 1190 1195 1200 1205 1210 1215

US 98

MATCHLINE STA. 1218+00

JANMAR RD

SMF 500-1

SMF 400-1

PARCEL # 20-25-22-0000-01400-0000
OWNER: DANIEL D & SUZANNE C SCHWITALLA
TOTAL PARCEL COST: $178,412
EXIST. PARCEL TOTAL: 33.03 ACRES
ADDITIONAL EASEMENT AREA NEEDED: 0.42 ACRES
(INGRESS/EGRESS EASEMENT FOR FPC 300-NORTH-02)

PARCEL # 20-25-22-0000-01600-0000
OWNER: JAMES BRADFORD STARLING
TOTAL PARCEL COST: $121,767
EXIST. PARCEL TOTAL: 17.67 ACRES
ADDITIONAL EASEMENT AREA NEEDED: 0.25 ACRES
(INGRESS/EGRESS EASEMENT FOR FPC 300-NORTH-01)

FPC 300-NORTH-01

PARCEL # 20-25-22-0000-01600-0000
OWNER: JAMES BRADFORD STARLING
TOTAL PARCEL COST: $121,767
EXIST. PARCEL TOTAL: 17.67 ACRES
ADDITIONAL R/W AREA NEEDED: 10.20 ACRES

FPC 300-NORTH-02

PARCEL # 20-25-22-0000-01400-0000
OWNER: DANIEL D & SUZANNE C SCHWITALLA
TOTAL PARCEL COST: $178,412
EXIST. PARCEL TOTAL: 33.03 ACRES
ADDITIONAL R/W AREA NEEDED: 8.51 ACRES

PARCEL # 19-25-22-0000-00900-0000
OWNER: G.A. HYDER
TOTAL PARCEL COST: $615,046
EXIST. PARCEL TOTAL: 49.71 ACRES
ADDITIONAL R/W AREA NEEDED: 2.57 ACRES

PARCEL # 19-25-22-0000-00400-0030
OWNER: ITC AMERICA PROPERTIES LLC
TOTAL PARCEL COST: $647,702
EXIST. PARCEL TOTAL: 8.02 ACRES
ADDITIONAL R/W AREA NEEDED: 1.66 ACRES

NOTES

TOTAL PARCEL COST REFERENCED ON SHEET WAS ACQUIRED FROM PASCO COUNTY PROPERTY APPRAISER.

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REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

APPENDIX 13 - RECOMMENDED ALTERNATIVES PLAN

SHEET NO. 4

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BASIN 500

BASIN 600

BASIN 700

BASIN 800

PARCEL # 19-25-22-0030-00000-0110
OWNER: FREEMARR DEVELOPMENT INC &
SUNFIELD HOMES INC
TOTAL PARCEL COST: $123,958
EXIST. PARCEL TOTAL: 13.99 ACRES
ADDITIONAL R/W AREA NEEDED: 2.97 ACRES

PARCEL # 13-25-21-0010-08600-0020
OWNER: ACME DEVELOPMENT CORPORATION
TOTAL PARCEL COST: $540,000
EXIST. PARCEL TOTAL: 25.00 ACRES
ADDITIONAL R/W AREA NEEDED: 2.78 ACRES

SMF 600-1

SMF 700-2

SMF 600-2

SMF 700-1

PARCEL # 13-25-21-0010-11200-0000
OWNER: MARVIN E HALL JR
TOTAL PARCEL COST: $110,965
EXIST. PARCEL TOTAL: 8.76 ACRES
ADDITIONAL R/W AREA NEEDED: 3.03 ACRES

PARCEL # 13-25-21-0010-09400-0000
OWNER: WALTER S BURTON
TOTAL PARCEL COST: $63,077
EXIST. PARCEL TOTAL: 4.11 ACRES
ADDITIONAL R/W AREA NEEDED: 2.53 ACRES

CONNERLY RD

BECKUM RD

JIM JORDAN RD

TOWNSEND RD

MATCHLINE STA. 1218+00

MATCHLINE STA. 1290+00

1" = 500'

1220 1225 1230 1240 1245 1250 1255 1260 1270 1275 1280 1285

NOTES

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGG B HAMM, P.E.
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ARCADIS U.S., INC.
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TAMPA, FL 33607
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

APPENDIX 13 -
RECOMMENDED ALTERNATIVES PLAN

SHEET NO. 5

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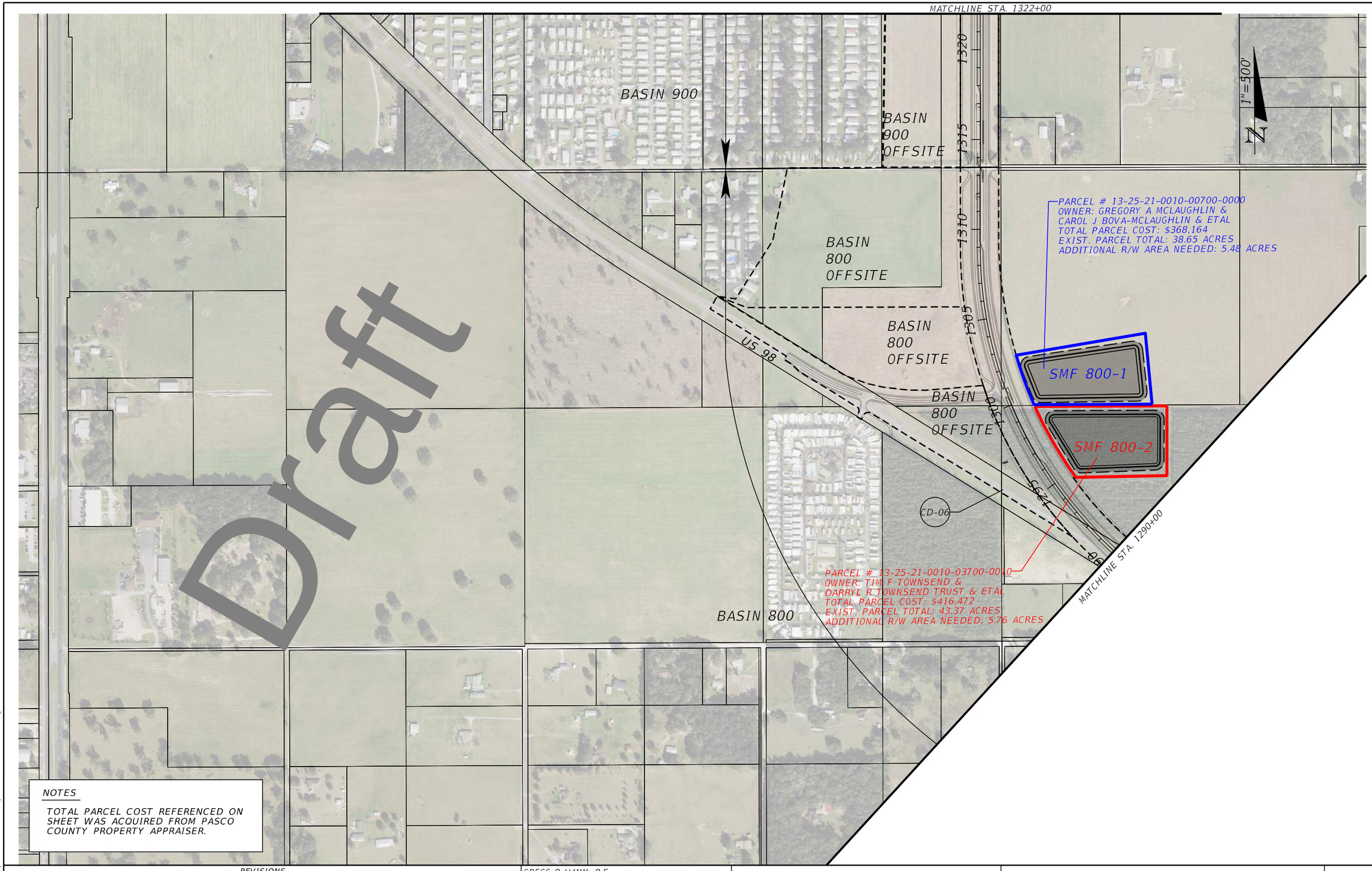

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NOTES

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGG B HAMM, P.E.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

APPENDIX 13 - RECOMMENDED ALTERNATIVES PLAN

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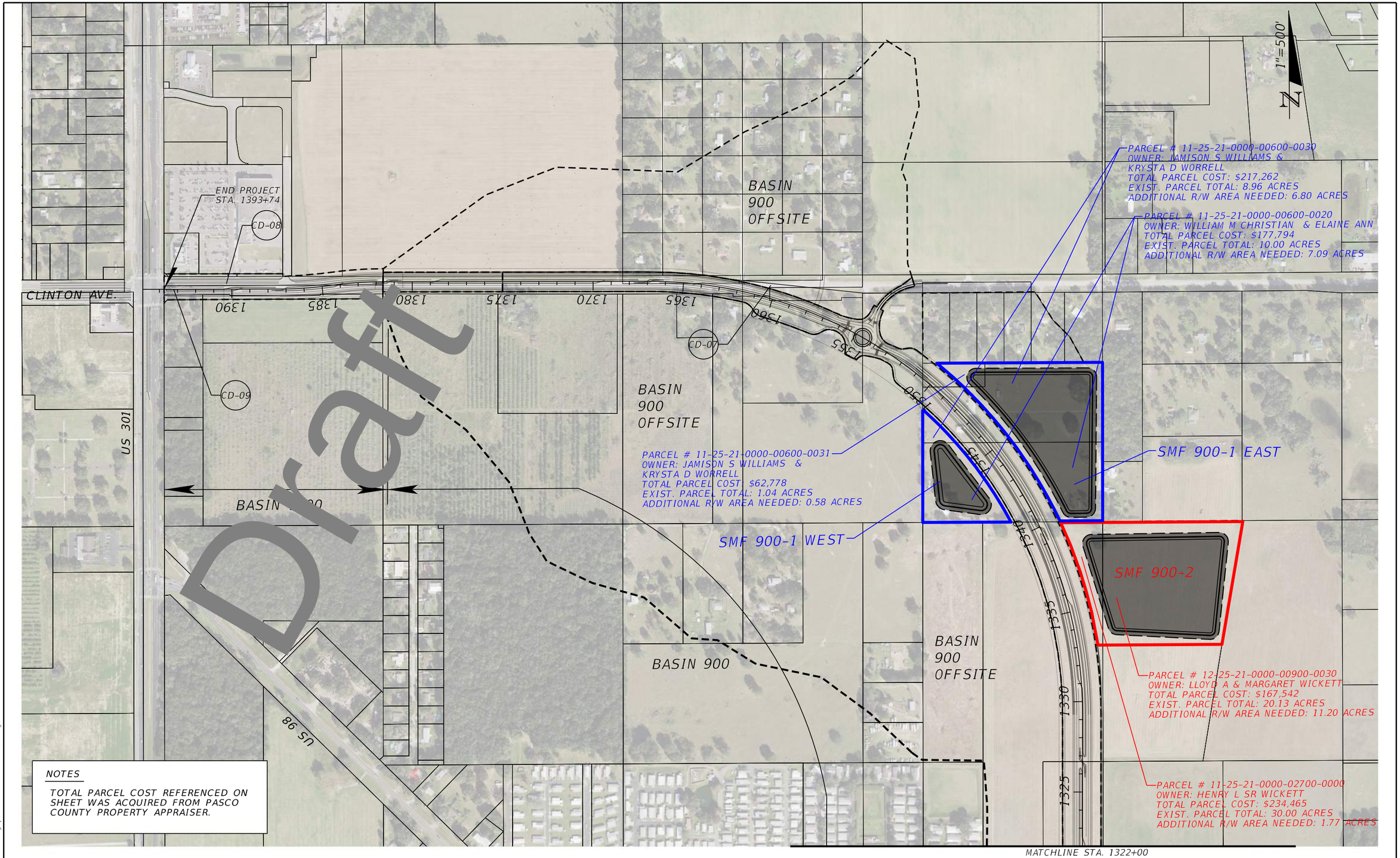

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NOTES

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REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3 443368-4

APPENDIX 13 - RECOMMENDED ALTERNATIVES PLAN

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APPENDIX 14
SMF Calculations,
Floodplain Impact and Compensation Calculations
Pond Site Evaluation Matrices

Draft

Comp. By: KJH
Date: 10/1/2021
Chk. By: HDN
Job No: 443368-3 & 443368-4

Preferred Alternative Basin Summary

	PRE DEVELOPMENT			POST DEVELOPMENT				POND DESIGN			
Basin Name & Alternative	Roadway Impervious Area (ac)	Roadway Pervious Area (ac)	Total Area (ac)	Roadway Impervious Area (Treatment Area) (ac)	Total Impervious Area = Roadway Impervious Area + Pond NWL Area (ac)	Pervious Area (ac)	Total Area = Total Impervious + Pervious (ac)	Treatment Volume (ac-ft)	Attenuation Volume (ac-ft)	Required Pond NWL Area (ac)	Required R/W Area (ac)
200-1	7.74	[illegible]	55.03	16.88	22.57	32.46	55.03	2.11	2.63	5.69	8.19
200-2	7.74	47.07	54.81	16.88	22.58	32.23	54.81	2.11	2.64	5.70	7.98
300-1	13.28	149.35	162.63	29.81	39.09	123.54	162.63	3.73	11.74	9.28	12.37
300-2	13.28	[illegible]24	150.22	29.81	34.45	115.77	150.22	3.73	9.81	4.64	11.26
400-1	8.17	6.5[illegible]	1.65	2.36	4.01	4.16	8.17	0.10	3.82	0.48	1.33
400-2	2.69	53.6[illegible]	56.36	4.01	5.05	51.31	56.36	0.17	1.12	0.48	1.10
500-1	6.[illegible]	[illegible]7[illegible]6	33.31	5.16	8.81	24.50	33.31	0.22	0.78	0.43	1.01
500-2	6.[illegible]	28.20	34.36	5.16	8.81	25.55	34.36	0.22	0.78	0.68	1.27
600-1	2.21	77.39	79.60	5.15	5.15	74.45	79.60	0.21	1.67	1.57	2.46
600-2	[illegible].21	77.39	79.60	5.15	5.15	74.45	79.60	0.21	1.67	1.54	2.41
700-1	3.[illegible]	22.84	26.83	7.34	7.96	18.87	26.83	0.31	1.32	1.21	2.01
700-2	3.99	22.99	26.98	7.34	7.96	19.02	26.98	0.31	1.32	0.72	1.43
800-1	0.49	18.79	19.28	5.38	5.38	13.86	19.28	0.22	9.53	2.91	4.49
800-2	0.49	18.87	19.36	5.38	5.38	13.94	19.36	0.22	9.55	3.18	4.58
900-1-East				11.04	11.04	23.62	34.66	0.46	18.71	6.09	8.18
900-1 (to depression area)	[illegible]	43.53	44.92	N/A	1.39	0.21	1.60	N/A	N/A	N/A	N/A
900-1-West				2.76	2.76	5.90	8.66	0.12	4.68	0.89	1.91
900-2	1.39	39.07	40.46	13.80	13.80	26.66	40.46	0.58	21.51	7.33	9.30
1000-1	2.45	1.57	4.02	2.28	2.73	1.29	4.02	N/A	N/A	N/A	N/A

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Notes:
1. Areas for 900-1-East, 900-1-West, and 900-1 (to depressional area) shown in the post development above are areas for the total of 900-1 to match the pre-development areas.

US 98
Basin 200 (Alternative 1)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 200
Total Area (ac): **55.03**

Station Limits 934+33 to 1018+42
Basin Length (ft) : 8,409

Pre-Development Conditions
Total Area (ac): 55.03
Pervious Area (ac): 47.29
Impervious Area (ac): 7.74

Post-Development Conditions
Total Area (ac): 55.03
Pervious Area (ac): 32.46
Impervious Area (ac): 22.57 (includes roadway and pond site)

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Existing)	-	98	7.7[illegible]	[illegible]8.52
Open Space (Good Condition - grass cover >75%)	A/D	80	[illegible]4	211.2[illegible]
Open Space (Good Condition - grass cover >75%)	B/D	80	11.74	[illegible]
Open Space (Good Condition - grass cover >75%)	D	80	[illegible]72	57.60
Pasture, grassland, or range-continuous forage for grazing	[illegible]	84	2.35	197.40
Pasture, grassland, or range-continuous forage for grazing	B/D	84	[illegible]25	945.00
Pasture, grassland, or range-continuous forage for grazing	[illegible]	84	[illegible].40	33.60
Residential districts, 1/2 acre lot	B/D	[illegible]	4.75	403.75
Woods- grass combination (Fair Condition)	A/D	82	1.83	150.06
Woods- grass combination (Fair Condition)	D	82	3.24	265.68
Woods- grass combination (Fair Condition) (Pond Area)	D	82	8.37	686.34
Total Area:			55.03	4648.4
Total Pre Composite Curve Number:				**84.47**

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	A/D	80	1.59	127.52
Open Space (Good Condition - grass cover >75%)	B/D	80	3.99	319.20
Open Space (Good Condition - grass cover >75%)	D	80	0.37	29.76
Pasture, grassland, or range-continuous forage for grazing	A/D	84	2.35	197.40
Pasture, grassland, or range-continuous forage for grazing	B/D	84	11.25	945.00
Pasture, grassland, or range-continuous forage for grazing	D	84	0.40	33.60
Residential districts, 1/2 acre lot	B/D	85	4.75	403.75
Woods- grass combination (Fair Condition)	A/D	82	1.83	150.06
Woods- grass combination (Fair Condition)	D	82	3.24	265.68
Pond Area Side Slopes: Open Space (Good condition - Grass Cover >75%)	D	80	2.68	214.40
Pond @ NWL		100	5.69	569.00
Required Treatment				
Roadway Impervious (Proposed)	-	98	16.88	1654.24
Total Area:			55.03	4909.61
Total Post Composite Curve Number:				**89.22**

NOTES:

Draft

US 98 **Basin 200 (Alternative 1)**	Comp. By: KJH Date: 10/1/2021 Chk. By: HDN Job No: 443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 200 **Station Limits** 934+33 to 1018+42
Total Area (ac): **55.03** **Basin Length (ft) :** 8,409

Draft

Water Quantity Calculations

SCS Curve Number Method with antecedent moisture condition II:

$Q = (P - 0.2*S)^2 / (P + 0.8*S)$ Q = Runoff, inches

P = FDOT 25 yr / 24 hr 8.61

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	1.84	1.21

Qpre = 6.74 inches $(Q_{post}*A_{post})-(Q_{pre}*A_{pre})=$ 2.63 ac-ft
Qpost = 7.31 inches

Water Quality Calculations

On-line Treatment (Wet Detention)
(1" rainfall)

Area	16.88	ac
Runoff Depth	1.00	in
Runoff Volume	1.41	ac-ft
Total Treatment Volume	1.41	ac-ft
OFW (increase in required treatment) 50%	0.70	ac-ft
Final Treatment Volume	**2.11**	ac-ft

Wet Detention Pond Sizing

Attenuation Volume Required (ac-ft) : 2.63

Water Quality Total Volume Required (ac-ft) : 2.11
SHWT = 83.00 approximate per geotech borings
Allowable Storage Depth (DHW to SHWT) = 1.00
Total Depth from TOB to SHWT = 2.0
Min freeboard depth = 1.0
TOB = 85.00

Assume a rectangular box pond with length to width ratio = 2:1

$V * 43560 (ft^2/ac) = (L * W * H) = (L * 0.5L * H)$
where: V = Total Storage Volume required (ac-ft)
L = pond length (ft)
W = pond width (ft) = 0.5 L
H = Depth to SHWT - FreeBoard

H_1 = 0.37 feet H_1 = Maximum treatment Volume
H_2 = 0.46 feet H_2 = Maximum Attenuation
H_3 = 1 feet H_3 = Maximum Freeboard
H_{Tot} = 1.83 feet H_{Tot} = Maximum pond height (ft)

V_{Tot}= 4.74 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

V_{Tot}= 5.69 ac-ft (Safety Factor = 1.2)

L= 704 feet =(SQRT((V_{Total}*43560*2/H)
and W = 352 feet
Area = 5.69 Ac. **At NWL**

Account for treatment volume at 2 * HTotal * Side Slope = 14.67 feet

L= 719 feet
and W = 367 feet
Area = 6.05 Ac. **Water Surface Peak Design Stage Area**

Account for 20' maintenance berm by adding: 2 * width of berm = 80 feet
(20' berm width sloped at 20:1 and 20' to accommodate the tie-in to existing grade)

L= 799 feet
and W = 447 feet
and: Area = 8.19 Ac. **At R/W**

US 98
Basin 200 (Alternative 2)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 200
Total Area (ac): **54.81**

Station Limits 934+33 to 1018+42
Basin Length (ft) : 8,409

Pre-Development Conditions
Total Area (ac): 54.81
Pervious Area (ac): 47.07
Impervious Area (ac): 7.74

Post-Development Conditions
Total Area (ac): 54.81
Pervious Area (ac): 32.23
Impervious Area (ac): 22.58 (includes roadway and pond site)

Land Use Description	Soil Group	CN	Area	CN
Roadway (Existing)	-	98	7.74	758.52
Open Space (Good Condition - grass cover >75%)	A/D	80	2.14	171.20
Open Space (Good Condition - grass cover >75%)	B/D	80	11.74	939.20
Open Space (Good Condition - grass cover >75%)	D	80	0.72	57.60
Pasture, grassland, or range-continuous forage for grazing	A/D	84	2.35	197.40
Pasture, grassland, or range-continuous forage for grazing	B/D	84	11.25	945.00
Pasture, grassland, or range-continuous forage for grazing	D	84	0.40	33.60
Residential districts, 1/2 acre lot	B/D	85	4.75	403.75
Woods- grass combination (Fair Condition)	A/D	82	1.83	150.06
Woods- grass combination (Fair Condition)	D	82	3.24	265.68
Woods- grass combination (Fair Condition) (Pond Area)	D	82	8.15	668.30
Total Area:			54.81	4630.3
Total Pre Composite Curve Number:				**84.48**

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	A/D	80	1.59	127.52
Open Space (Good Condition - grass cover >75%)	B/D	80	4.00	319.81
Open Space (Good Condition - grass cover >75%)	D	80	0.37	29.76
Pasture, grassland, or range-continuous forage for grazing	A/D	84	2.35	197.40
Pasture, grassland, or range-continuous forage for grazing	B/D	84	11.25	945.00
Pasture, grassland, or range-continuous forage for grazing	D	84	0.40	33.60
Residential districts, 1/2 acre lot	B/D	85	4.75	403.75
Woods- grass combination (Fair Condition)	A/D	82	1.83	150.06
Woods- grass combination (Fair Condition)	D	82	3.24	265.68
Pond Area Side Slopes: Open Space (Good condition - Grass Cover >75%)	D	80	2.45	196.00
Pond @ NWL		100	5.70	570.00
Required Treatment				
Roadway Impervious (Proposed)	-	98	16.88	1654.24
Total Area:			54.81	4892.82
Total Post Composite Curve Number:				**89.27**

Draft

NOTES:

US 98 **Basin 200 (Alternative 2)**	Comp. By: KJH Date: 10/1/2021 Chk. By: HDN Job No: 443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 200 **Station Limits** 934+33 to 1018+42
Total Area (ac): **54.81** **Basin Length (ft) :** 8,409

Draft

Water Quantity Calculations

SCS Curve Number Method with antecedent moisture condition II:

$Q = (P - 0.2*S)^2 / (P + 0.8*S)$ Q = Runoff, inches

P = FDOT 25 yr / 24 hr 8.61

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	1.84	1.20

Qpre = 6.74 inches $(Q_{post}*A_{post})-(Q_{pre}*A_{pre})$= 2.64 ac-ft
Qpost = 7.32 inches

Water Quality Calculations

On-line Treatment (Wet Detention)
(1" rainfall)

Area	16.88	ac
Runoff Depth	1.00	in
Runoff Volume	1.41	ac-ft
Total Treatment Volume	1.41	ac-ft
OFW (increase in required treatment) 50%	0.70	ac-ft
Final Treatment Volume	**2.11**	ac-ft

Wet Detention Pond Sizing

Attenuation Volume Required (ac-ft) : 2.64
Water Quality Total Volume Required (ac-ft) : 2.11

SHWT = 85.00 approximate per geotech borings
Storage Depth to SHWT (ft) = 1.00
Total Depth from TOB to SHWT = 2.0
Min Freeboard Depth = 1.0
TOB = 87.00

Assume a rectangular box pond with length to width ratio = 2:1

$V * 43560 (ft^2/ac) = (L * W * H) = (L * 0.5L * H)$
where: V = Total Storage Volume required (ac-ft)
L = pond length (ft)
W = pond width (ft) = 0.5 L
H = Depth to SHWT - FreeBoard

H_1 =	0.37	feet	H_1 = Maximum treatment Volume
H_2 =	0.46	feet	H_2 = Maximum Attenuation
H_3 =	1	feet	H_3 = Maximum Freeboard
H_{Tot} =	1.83	feet	H_{Tot} = Maximum pond height (ft)
V_{Tot}=	**4.75**	**ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)**	
V_{Tot}=	**5.70**	**ac-ft (Safety Factor = 1.2)**	
L=	705	feet	=(SQRT((V_{Total}*43560*2/H)
and W =	352	feet	
Area =	5.70	Ac.	**At NWL**
Account for treatment volume at 2 * HTotal * Side Slope =	14.67	feet	
L=	719	feet	
and W =	367	feet	
Area =	6.06	Ac.	**Water Surface Peak Design Stage Area**
Account for 20' maintenance berm by adding: 2 * width of berm =	72	feet	
(20' berm width sloped at 20:1 and 16' to accommodated the tie-in to existing grade)			
L=	791	feet	
and W =	439	feet	
and: Area =	7.98	Ac.	**At R/W**

US 98
BASIN 200
POND SITING MATRIX

Comp. By	KJH
Date:	10/1/2021
Chk. By:	HDN

Item #	Weight of Factor	Factor	ALTERNATIVE 1 Score	ALTERNATIVE 1 Weighted Score	ALTERNATIVE 1 Notes	ALTERNATIVE 2 Score	ALTERNATIVE 2 Weighted Score	ALTERNATIVE 2 Notes
	1-10		1-10			1-10		
		Alternative Number (Pond ID)	SMF 200-1			SMF 200-2		
		Brief Description of Alternative	WET DETENTION POND, STORMWATER PIPE			WET DETENTION POND, STORMWATER PIPE		
		Parcel Number	34-25-22-0000-00200-0000, 34-25-22-0010-00000-2640			35-25-22-0000-00200-0000, 35-25-22-0010-00000-2760, 34-25-22-0000-00200-0030, 34-25-22-0000-00200-0000		
		Parcel Owner	DELORES HUGHES, RONALD & KATHY MIMS			RONALD & KATHY MIMS, DELORES HUGHES		
		Parcel Size (Acres)	25.35 + 1.03 = 26.38			30.48 + 0.34 + 8.50 + 25.35 = 64.67		
		Right-of-way Required (Acres)	14.48 + 0.17 = 14.65			8.18 + 0.17 + 0.46 + 0.23 = 9.04		
1	3	Right-of-Way Costs (Includes: Zoning)	2	6	$778,900	1	3	$482,700
2	1	Number of Parcels Impacted	2	2	2 Parcels	3	3	4 Parcels
3	1	Partial or Whole Parcel Take	5	5	Partial Parcel	6	6	Partial Parcel
4	1	Long-term Maintenance Costs	1	1	1 Pond	1	1	1 Pond
5	1	Safety	1	1	Set away from roadway	1	1	Set away from roadway
6	3	Floodplain Impact/Mitigation	1	3	Floodplain Impact/Mitigation	1	3	Floodplain Impact/Mitigation
7	3	Contamination and Hazardous Materials	0	0	None	0	0	None
8	2	Utilities (includes Septic Systems & Water Wells)	0	0	No known Utilities	0	0	No known Utilities
9	2	Threatened/Endangered Species	5	10	Moderate (wood stork, FL sandhill crane, state listed wading birds)	5	10	Moderate (wood stork, FL sandhill crane, state listed wading birds)
10	1	Section 4(f) (Includes Archeological/Historical Sites & Cemeteries)	6	6	High-Prehistoric Arch. Low-Historical Arch	2	2	Low-Prehistoric Arch. Low-Historical Arch
11	2	Wetlands and Other Environmental Factors (Includes: Mitigation Costs)	7	14	Surface Water impact: (0.87 acres) Wetland Impact: direct (6.85 acres) secondary (1.35 acres)	5	10	Surface Water impact: (0.91 acres) Wetland Impact: direct (0.48 acres) secondary (0.04 acres)
12	3	Geotechnical Issues (includes SHWT, soil type & conveyance feasibility)	1	3	SHWT 83'	3	9	SHWT 85'
13	2	Existing Permits and Existing Land Use	0	0	No permits, Vacant	0	0	No permits, Vacant
14	2	Roadway Low Edge of Pavement	3	6	Sta 982+60 , 86.0'	3	6	Sta 976+80 , 87.0'
15	3	Constructability	5	15	450' of pipe to SMF, 350' from SMF to outfall	7	21	400' of pipe to SMF, 1400' from SMF to outfall
16	1	Ground Topography	5	5	very flat, 81' to 85'	5	5	very flat, 83' to 86'
17	1	Sidewalks and Trails	0	0	None affected	0	0	None affected
18	1	Access Impacts to Other Parcels	0	0	No impact	0	0	No impact
19	1	Public Opinion	0	0	No public opinion to date.	0	0	No public opinion to date.
		Comments						
		Score	44	77		43	80	
		Ranking	1			2		

Comments: Scores are given from 1 to 10. Less points means better or more desired alternative. Weight of Factor determined by consensus of Pond Siting Team.

Draft

US 98
Basin 300 (Alternative 1)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 300
Total Area (ac): **162.63**

Station Limits 1018+42 to 1184+00
Basin Length (ft) : 16,558

Draft

Pre-Development Conditions

Total Area (ac):	162.63
Pervious Area (ac):	149.35
Impervious Area (ac):	13.28

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Existing)	-	98	13.28	1301.44
Open Space (Good Condition - grass cover >75%)	B/D	80	[illegible]37	1469[illegible]
Open Space (Good Condition - grass cover >75%)	A	39	19.71	768[illegible]9
Open Space (Good Condition - grass cover >75%)	D	80	3.16	252.80
Pasture, grassland, or range-continuous forage for grazing			34.04	1667.96
Pasture, grassland, or range-continuous forage for grazing	B/D	84	18.40	1545.60
Residential districts, 1/2 acre lot		54	13.51	729.54
Residential districts, 1/4 acre lot	A	61	5.07	309.27
Woods (Fair Condition)	A	36	3.13	112.68
Woods- grass combination (Fair Condition)	B/D	82	8.02	657.64
Woods- grass combination (Fair Condition)	D	82	2.98	244.36
Woods- grass combination (Fair Condition)	A	43	10.55	453.65
Woods- grass combination (Fair Condition) (Pond Area)	A	43	12.41	533.63
Total Area:			162.63	10046.86
Total Pre Composite Curve Number:				**61.78**

Post-Development Conditions

Total Area (ac):	162.63
Pervious Area (ac):	123.54
Impervious Area (ac):	39.09 (includes roadway and pond site)

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	B/D	80	9.60	768.17
Open Space (Good Condition - grass cover >75%)	A	39	13.97	544.75
Open Space (Good Condition - grass cover >75%)	D	80	1.14	91.19
Pasture, grassland, or range-continuous forage for grazing	A	49	34.04	1667.96
Pasture, grassland, or range-continuous forage for grazing	B/D	84	18.40	1545.60
Residential districts, 1/2 acre lot	A	54	13.51	729.54
Residential districts, 1/4 acre lot	A	61	5.07	309.27
Woods (Fair Condition)	A	36	3.13	112.68
Woods- grass combination (Fair Condition)	B/D	82	8.02	657.64
Woods- grass combination (Fair Condition)	D	82	2.98	244.36
Woods- grass combination (Fair Condition)	A	43	10.55	453.65
Pond Area Side Slopes: Open Space (Good condition - Grass Cover >75%)	D	80	3.13	250.40
Pond @ NWL		100	9.28	928.00
Required Treatment Roadway (Proposed)		98	29.81	2921.38
Total Area:			162.63	11224.59
Total Post Composite Curve Number:				**69.02**

NOTES:

US 98 **Basin 300 (Alternative 1)**	Comp. By: KJH Date: 10/1/2021 Chk. By: HDN Job No: 443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 300 **Station Limits** 1018+42 to 1184+00
Total Area (ac): **162.63** **Basin Length (ft) :** 16,558

Draft

Water Quantity Calculations

SCS Curve Number Method with antecedent moisture condition II:

$Q = (P - 0.2*S)^2 / (P + 0.8*S)$ Q = Runoff, inches

P = FDOT 25 yr / 24 hr 8.61

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	6.19	4.49

Qpre = 4.01 inches $(Q_{post}*A_{post})-(Q_{pre}*A_{pre})=$ 11.74 ac-ft
Qpost = 4.87 inches

Water Quality Calculations

On-line Treatment (Wet Detention)
(1" rainfall)

Area	29.81 ac
Runoff Depth	1.00 in
Runoff Volume	2.48 ac-ft
Total Treatment Volume	2.48 ac-ft
OFW (increase in required treatment) 50%	1.24 ac-ft
Final Treatment Volume	**3.73** ac-ft

Wet Detention Pond Sizing

Attenuation Volume Required (ac-ft) : 11.74
Water Quality Total Volume Required (ac-ft) : 3.73

SHWT = 80.00 Approximate per geotech borings
Storage Depth to SHWT = 2.0
Total Depth from TOB to SHWT = 3.0
Min Freeboard Depth = 1.0
TOB = 83.00

Assume a rectangular box pond with length to width ratio = 2:1

$V * 43560 (ft^2/ac) = (L * W * H) = (L * 0.5L * H)$
where: V = Total Storage Volume required (ac-ft)
L = pond length (ft)
W = pond width (ft) = 0.5 L
H = Depth to SHWT - FreeBoard

H_1 =	0.40	feet	H_1 = Maximum treatment Volume
H_2 =	1.27	feet	H_2 = Maximum Attenuation
H_3 =	1	feet	H_3 = Maximum Freeboard
H_{Tot} =	2.67	feet	H_{Tot} = Maximum pond height (ft)

V_{Tot}= 15.47 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

V_{Tot}= 18.56 ac-ft (Safety Factor = 1.2)

L=	899	feet	=(SQRT((V_{Total}*43560*2/H)
and W =	450	feet	
Area =	9.28	Ac.	**At NWL**
Account for treatment volume at 2 * HTotal * Side Slope =	21.33	feet	
L=	921	feet	
and W =	471	feet	
Area =	9.95	Ac.	**Water Surface Peak Design Stage Area**
Account for 20' maintenance berm by adding: 2 * width of berm =	72	feet	
(20' berm width sloped at 20:1 and 16' to accommodated the tie-in to existing grade)			
L=	993	feet	
and W =	543	feet	
and: Area =	12.37	Ac.	**At R/W**

US 98
Basin 300 (Alternative 2)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 300
Total Area (ac): **150.22**

Station Limits 1018+42 to 1184+00
Basin Length (ft) : 16,558

Pre-Development Conditions
Total Area (ac): 150.22
Pervious Area (ac): 136.94
Impervious Area (ac): 13.28

Post-Development Conditions
Total Area (ac): 150.22
Pervious Area (ac): 115.77
Impervious Area (ac): 34.45 (includes roadway and pond site)

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Existing)	-	98	13.28	1301.44
Open Space (Good Condition - grass cover >75%)	B/D	80	18.37	1469.60
Open Space (Good Condition - grass cover >75%)	A	39	19.71	768.69
Open Space (Good Condition - grass cover >75%)	D	80	3.16	252.80
Pasture, grassland, or range-continuous forage for grazing	A	49	22.54	1104.46
Pasture, grassland, or range-continuous forage for grazing	B/D	84	18.40	1545.60
Residential districts, 1/2 acre lot	A	54	13.51	729.54
Residential districts, 1/4 acre lot	A	61	5.07	309.27
Woods (Fair Condition)	A	36	3.13	112.68
Woods- grass combination (Fair Condition)	B/D	82	8.02	657.64
Woods- grass combination (Fair Condition)	D	82	2.98	244.36
Woods- grass combination (Fair Condition)	A	43	10.55	453.65
Pasture, grassland, or range-continuous forage for grazing (Pond Area)	A	49	11.50	563.50
Total Area:			150.22	9513.23
Total Pre Composite Curve Number:				**63.33**

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	B/D	80	9.60	768.17
Open Space (Good Condition - grass cover >75%)	A	39	13.97	544.75
Open Space (Good Condition - grass cover >75%)	D	80	1.14	91.19
Pasture, grassland, or range-continuous forage for grazing	A	49	22.54	1104.46
Pasture, grassland, or range-continuous forage for grazing	B/D	84	18.40	1545.60
Residential districts, 1/2 acre lot	A	54	13.51	729.54
Residential districts, 1/4 acre lot	A	61	5.07	309.27
Woods (Fair Condition)	A	36	3.13	112.68
Woods- grass combination (Fair Condition)	B/D	82	8.02	657.64
Woods- grass combination (Fair Condition)	D	82	2.98	244.36
Woods- grass combination (Fair Condition)	A	43	10.55	453.65
Pond Area Side Slopes: Open Space (Good condition - Grass Cover >75%)	D	80	6.86	548.80
Pond @ NWL		100	4.64	464.00
Required Treatment				
Roadway (Proposed)		98	29.81	2921.38
Total Area:			150.22	10495.49
Total Post Composite Curve Number:				**69.87**

Draft

NOTES:

US 98 **Basin 300 (Alternative 2)**	Comp. By: KJH Date: 10/1/2021 Chk. By: HDN Job No: 443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 300 **Station Limits** 1018+42 to 1184+00
Total Area (ac): **150.22** **Basin Length (ft) :** 16,558

Draft

Water Quantity Calculations

SCS Curve Number Method with antecedent moisture condition II:

$Q = (P - 0.2*S)^2 / (P + 0.8*S)$ Q = Runoff, inches

P = FDOT 25 yr / 24 hr 8.61

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	5.79	4.31

Qpre = 4.19 inches $(Q_{post}*A_{post})-(Q_{pre}*A_{pre})=$ 9.81 ac-ft
Qpost = 4.98 inches

Water Quality Calculations

On-line Treatment (Wet Detention)
(1" rainfall)

Area	29.81	ac
Runoff Depth	1.00	in
Runoff Volume	2.48	ac-ft
Total Treatment Volume	2.48	ac-ft
OFW (increase in required treatment) 50%	1.24	ac-ft
Final Treatment Volume	**3.73**	ac-ft

Wet Detention Pond Sizing

Attenuation Volume Required (ac-ft) : 9.81

Water Quality Total Volume Required (ac-ft) : 3.73

Approximate per Geotech Borings, will tie into floodplain comp

SHWT =	80.00
Storage Depth to SHWT =	3.5
Total Depth From TOB to SHWT =	3.5
Min Freeboard Depth =	1.0
Min TOB =	84.50
TOB =	100.00

Assume a rectangular box pond with length to width ratio = 2:1

$V * 43560 (ft^2/ac) = (L * W * H) = (L * 0.5L * H)$

where: V = Total Storage Volume required (ac-ft)
L = pond length (ft)
W = pond width (ft) = 0.5 L
H = Depth to SHWT - FreeBoard

H_1 =	0.80	feet	H_1 = Maximum treatment Volume
H_2 =	2.11	feet	H_2 = Maximum Attenuation
H_3 =	1	feet	H_3 = Maximum Freeboard
H_{Tot} =	3.92	feet	H_{Tot} = Maximum pond height (ft)
V_{Tot}=	**13.54**	**ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)**	
V_{Tot}=	**16.24**	**ac-ft (Safety Factor = 1.2)**	
L=	636	feet	=(SQRT((V_{Total}*43560*2/H)
and W =	318	feet	
Area =	4.64	Ac.	**At NWL**
Account for treatment volume at 2 * HTotal * Side Slope =	31.33	feet	
L=	667	feet	
and W =	349	feet	
Area =	5.35	Ac.	**Water Surface Peak Design Stage Area**
Account for 20' maintenance berm by adding: 2 * width of berm =	210	feet	
(20' berm width sloped at 20:1 and 85' to accommodated the tie-in to existing grade)			
L=	877	feet	
and W =	559	feet	
and: Area =	11.26	Ac.	**At R/W**

US 98
BASIN 300
POND SITING MATRIX

Comp. By: KJH
Date: 10/1/2021
Chk. By: HDN

Item #	Weight of Factor	Factor	ALTERNATIVE 1 Score	ALTERNATIVE 1 Weighted Score	ALTERNATIVE 1 Notes	ALTERNATIVE 2 Score	ALTERNATIVE 2 Weighted Score	ALTERNATIVE 2 Notes
	1-10		1-10			1-10		
		Alternative Number (Pond ID)	SMF 300-1			SMF 300-2		
		Brief Description of Alternative	WET DETENTION POND, STORMWATER PIPE			WET DETENTION POND, STORMWATER PIPE		
		Parcel Number	29-25-22-0000-00100-0010			29-25-22-0000-00100-0020, 29-25-22-0020-00000-0200, 29-25-22-0020-00000-0190, 29-25-22-0020-00000-0180, 29-25-22-0020-00000-0170, 29-25-22-0020-00000-0160		
		Parcel Owner	JAY STOLTZFUS			DAVE & CHRISTY KNOX, ADAMS HOMES OF NORTHWEST FLORIDA INC		
		Parcel Size (Ac.)	50.43			24.48+2.00+2.00+2.00 +2.28+2.00 = 34.76		
		Right-of-Way Required (Ac.)	50.43 (includes FPC)			24.48+2.00+2.00+2.00 +2.28+2.00 = 34.76 (includes FPC)		
1	3	Right-of-Way Costs (Includes: Zoning)	4	12	$1,817,400	10	30	$5,051,100
2	1	Number of Parcels Impacted	1	1	1 Parcel	5	5	6 Parcels
3	1	Partial or Whole Parcel Take	10	10	Whole Parcel	10	10	Whole Parcel
4	1	Long Term Maintenance Costs	1	1	1 Pond	1	1	1 Pond
5	1	Safety	1	1	Set away from roadway	1	1	Set away from roadway
6		Floodplain Impacts/Mitigation	1	3	Floodplain Impact/Mitigation	1	3	Floodplain Impact/Mitigation
7	3	Contamination and Hazardous Materials	0	0	None	0	0	None
8	2	Utilities (Includes Septic Systems & Water Wells)	0	0	No known Utilities	0	0	No known Utilities
9		Threatened/Endangered Species	5	10	Moderate (wood stork, FL sandhill crane, state listed wading birds)	2	4	Low
10	1	Section 4(f) (Includes Archeological/Historical Sites & Cemeteries)	6	6	High-Prehistoric Arch. Low-Historical Arch	4	4	Moderate-Prehistoric Arch. Low-Historical Arch
11	2	Wetlands and Other Environmental Factors (Includes: Mitigation Costs)	5	10	Surface Water impact (0.59 acres)	5	10	none
12	3	Geotechnical Issues (includes SHWT, soil type & conveyance feasibility)	1	3	SHWT 80'	1	3	SHWT 80'
13	2	Existing Permits and Existing Land Use	0	0	No permits, Vacant	0	0	No permits, Vacant
14	2	Roadway Low Edge of Pavement	3	6	Sta 1130+00 , 89.0'	3	6	Sta 1130+00 , 89.0'
15	3	Constructability	5	15	150' of pipe to SMF, 100' from SMF to outfall	7	21	950' of pipe to SMF, 300' from SMF to outfall
16	1	Ground Topography	5	5	very flat, 78' to 79'	5	5	gradual slopes, 79' to 106'
17	1	Sidewalks and Trails	0	0	None affected	0	0	None affected
18	1	Access Impacts to Other Parcels	0	0	No impact	0	0	No impact
19	1	Public Opinion	0	0	No public opinion to date.	0	0	No public opinion to date.
		Comments						
		Score	48	83		55	103	
		Ranking	1			2		

Comments: Scores are given from 1 to 10. Less points means better or more desired alternative. Weight of Factor determined by consensus of Pond Siting Team.

Draft

US 98
Basin 400 (Alternative 1)

Comp. By: KJH
Date: 10/1/2021
Chk. By: HDN
Job No: 443368-3 & 443368-4

Curve Number Calculations

Basin No: 400
Total Area (ac): **8.17**

Station Limits 1184+00 to 1203+78
Basin Length (ft) : 1,978

Pre-Development Conditions

Total Area (ac):	8.17
Pervious Area (ac):	6.52
Impervious Area (ac):	1.65

Post-Development Conditions

Total Area (ac):	8.17
Pervious Area (ac):	4.16
Railroad Area (ac):	0.00
Impervious Area (ac):	4.01 (includes roadway)

Draft

sub-basin 1

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Existing)	-	98	1.65	161.70
Railroad	-	98	0.00	0.00
Open Space (Fair Condition - grass cover 50% to 75%)	A	49	5.39	264.11
Pasture, grassland, or range-continuous forage for grazing	A	49	1.13	55.37
Total Area:			8.17	481.18
Total Pre Composite Curve Number:				**58.90**

Land Use Description	Soil Group	CN	Area	CN*A
Railroad	-	98	0.00	0.00
Open Space (Fair Condition - grass cover 50% to 75%)	A	49	3.35	164.15
Pasture, grassland, or range-continuous forage for grazing	A	49	0.00	0.00
Required Treatment				
Roadway (Proposed)		98	2.36	231.28
Pond @ NWL		100	**0.00**	0.00
Total Area:			5.71	395.43
Total Post Composite Curve Number:				**69.25**

sub-basin 2

Land Use Description	Soil Group	CN	Area	CN*A
Railroad	-	98	0.00	0.00
Open Space (Fair Condition - grass cover 50% to 75%)	A	49	0.81	39.69
Pasture, grassland, or range-continuous forage for grazing	A	49	0.00	0.00
Roadway (Proposed)		98	1.65	161.70
Total Area:			2.46	201.39
Total Post Composite Curve Number:				**81.87**

NOTES:

1. The proposed dry pond in the post conditions is included in the open space.
2. The net increase in impervious area will be retained in the pond.
3. Existing impervious is 1.65 Ac, new impervious is 4.01 Ac., therefore the new increase is 2.36 acres.
4. The retention pond will collect runoff from station 1184+00 to 1196+75.

US 98 **Basin 400 (Alternative 1)**	Comp. By: KJH Date: 10/1/2021 Chk. By: HDN Job No: 443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 400 **Station Limits** 1184+00 to 1203+78
Total Area (ac): **5.71** **Basin Length (ft) :** 1,978

Water Quality Calculations

SCS Curve Number Method with antecedent moisture condition II:

$Q = (P - 0.2*S)^2 / (P + 0.8*S)$ Q = Runoff, inches

P = T-100 yr / 24 hr 12.10

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	6.98	4.44

Q_{post} =	6.48	inches	$(Q_{post}*A_{post})-(Q_{pre}*A_{pre})$=	0.74 ac-ft
Q_{pre} =	8.03	inches		

Volume of Runoff to be retained = 5.71 acre
Runoff for Retention = 3.82 ac-ft

Water Quality Calculations

On-line Treatment (Dry Retention-closed basin)
(0.5" rainfall)

Area	2.36	ac
Runoff Depth	0.50	in
Runoff Volume	0.10	ac-ft
Total Treatment Volume	0.10	ac-ft

Final Treatment Volume	**0.10**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 3.82 Water Quality Total Volume Required (ac-ft) : 0.10

V_{Tot}= 3.92 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

V_{Tot}= 4.00 ac-ft (Safety Factor = 1.02)

SMF 400-1

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	118.00	20,982 sf	0.48 ac	0.00 ac-ft	0.00 ac-ft
Allowable 100-yr Stage	124.00	37,632 sf	0.86 ac	4.04 ac-ft	4.04 ac-ft
Inside TOB	125.00	40,844 sf	0.94 ac	0.90 ac-ft	4.94 ac-ft
Outside TOB	125.00	57,934 sf	1.33 ac		

Treatment Volume Elevation Provided: 118.15 ft

Treatment Volume + Attenuation Volume Elevation Provided: 123.94 ft

Check Treatment and Attenuation Volume Requirement

4.00 ac-ft is < or = 4.04 ac-ft Treatment and Attenuation Volume Requirement met

Draft

US 98
Basin 400 (Alternative 2)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 400
Total Area (ac): **56.36**

Station Limits 1184+00 to 1203+78
Basin Length (ft) : 1,978

Pre-Development Conditions

Total Area (ac):	56.36
Pervious Area (ac):	53.67
Impervious Area (ac):	2.69

Post-Development Conditions

Total Area (ac):	56.36
Pervious Area (ac):	51.31
Impervious Area (ac):	5.05 (includes roadway)

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Existing)	-	98	1.6	1.70
Railroad	-	98	1.04	101.9
Open Space (Fair Condition - grass cover 50% to 75%)	A	49	11.50	0
Pasture, grassland, or range-continuous forage for grazing	A	49	38.75	1898.75
Residential districts, 1/2 acre lot	A	54	3.42	184.68
Total Area:			56.36	2910.55
Total Pre Composite Curve Number:				**51.64**

Land Use Description	Soil Group	CN	Area	CN*A
Railroad	-	98	1.04	101.92
Open Space (Fair Condition - grass cover 50% to 75%)	A	49	9.14	447.86
Pasture, grassland, or range-continuous forage for grazing	A	49	38.75	1898.75
Residential districts, 1/2 acre lot	A	54	3.42	184.68
Required Treatment				
Roadway (Proposed)		98	4.01	392.98
Pond @ NWL		100	**0.00**	0.00
Total Area:			56.36	3026.19
Total Post Composite Curve Number:				**53.69**

Draft

NOTES:

1. The proposed dry pond in the post conditions is included in the open space.

US 98 **Basin 400 (Alternative 2)**	Comp. By: KJH Date: 10/1/2021 Chk. By: HDN Job No: 443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 400 **Station Limits** 1184+00 to 1203+78
Total Area (ac): **56.36** **Basin Length (ft) :** 1,978

Water Quantity Calculations

SCS Curve Number Method with antecedent moisture condition II:

$Q = (P - 0.2*S)^2 / (P + 0.8*S)$ Q = Runoff, inches

P = 10T 25 yr / 24 hr 8.61

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	9.36	8.62

Q_{post} = 2.82 inches $(Q_{post}*A_{post})-(Q_{pre}*A_{pre})$= 1.12 ac-ft
Q_{pre} = 3.06 inches

Water Quality Calculations

On-line Treatment (Dry Retention-open basin)
1.5" rainfall)

Area	4.01	ac
Runoff Depth	0.50	in
Runoff Volume	0.17	ac-ft
Total Treatment Volume	0.17	ac-ft

Final Treatment Volume	**0.17**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 1.12 Water Quality Total Volume Required (ac-ft) : 0.17

V_{Tot}= 1.28 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

V_{Tot}= 1.54 ac-ft (Safety Factor = 1.2)

SMF 400-2

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	101.00	20,973 sf	0.48 ac	0.00 ac-ft	0.00 ac-ft
	103.00	26,246 sf	0.60 ac	1.08 ac-ft	1.08 ac-ft
Max Attenuation	104.00	29,033 sf	0.67 ac	0.63 ac-ft	1.72 ac-ft
Inside TOB	105.00	31,921 sf	0.73 ac	1.34 ac-ft	2.42 ac-ft
Outside TOB	105.00	47,867 sf	1.10 ac		

Treatment Volume Elevation Provided: 101.31 ft

Treatment Volume + Attenuation Volume Elevation Required: 103.72 ft
Treatment Volume + Attenuation Volume Elevation Provided: 104.00 ft

Check Treatment and Attenuation Volume Requirement

1.54 ac-ft is < or = 1.72 ac-ft Treatment and Attenuation Volume Requirement met

Draft

US 98
BASIN 400
POND SITING MATRIX

Comp. By	KJH
Date:	10/1/2021
Chk. By:	HDN

Item #	Weight of Factor	Factor	ALTERNATIVE 1 Score	ALTERNATIVE 1 Weighted Score	ALTERNATIVE 1 Notes	ALTERNATIVE 2 Score	ALTERNATIVE 2 Weighted Score	ALTERNATIVE 2 Notes
	1-10		1-10			1-10		
		Alternative Number (Pond ID)	SMF 400-1			SMF 400-2		
		Brief Description of Alternative	DRY RETENTION, STORMWATER PIPE			DRY RETENTION, STORMWATER PIPE		
		Parcel Number	19-25-22-0000-00900-0000			19-25-22-0000-01000-0000		
		Parcel Owner	G A HYDER			RG MANAGEMENT GROUP LLC		
		Parcel Size (Acres)	49.71			30.54		
		Right-of-way Required (Acres)	2.57			1.77		
1	3	Right-of-Way Costs (Includes: Zon[illegible])	1	3	$245,500	1	3	$183,200
2	1	Number of Parcels Impacted	1	1	1 Parcel	1	1	1 Parcel
3	1	Partial or Whole Parcel Take	5	5	Partial Parcel	5	5	Partial Parcel
4	1	Long-term Maintenance Costs	1	1	1 Pond	1	1	1 Pond
5	1	Safety	1	1	Set away from roadway	5	5	Set away from roadway, near railroad
6	3	Floodplain Impacts/Mitigation	0	0	None	0	0	None
7	3	Contamination and Hazardous Materials	2	6	Low	2	6	Low
8	2	Utilities (includes Septic Systems & Water Wells)	0	0	No known Utilities	0	0	No known Utilities
9	2	Threatened/Endangered Species	2	4	Low	2	4	Low
10	1	Section 4(f) (Includes Archeological/Historical Sites & Cemeteries)	6	6	Low to moderate-Prehistoric Arch. Low-Historical Arch	2	2	Low to moderate-Prehistoric Arch. Low-Historical Arch
11	2	Wetlands and Environmental Factors (Includes: Mitigation Costs)	0	0	None	0	0	None
12	3	Geotechnical Issues (includes SHWT, soil type & conveyance feasibility)	1	3	SHWT 114'	1	3	SHWT 95'
13	2	Existing Permits and Existing Land Use	0	0	No permits, Vacant	0	0	No permits, Vacant
14	2	Roadway Edge of Pavement	1	2	Sta 1196+27 , 117.0'	1	2	Sta 1196+27 , 117.0'
15	3	Constructability	3	9	50' of pipe to SMF	4	12	600' of pipe to SMF, 80' from SMF to outfall
16	1	Ground Topography	5	5	Gradual Slopes, 114' to 125'	5	5	Gradual Slopes, 101' to 105'
17	1	Sidewalks and Trails	0	0	None affected	0	0	None affected
18	1	Access Impacts to Other Parcels	0	0	No impact	0	0	No impact
19	1	Public Opinion	0	0	No public opinion to date.	0	0	No public opinion to date.
		Comments						
		Score	29	46		30	49	
		Ranking	1			2		

Comments: Scores are given from 1 to 10. Less points means better or more desired alternative. Weight of Factor determined by consensus of Pond Siting Team.

Draft

US 98
Basin 500 (Alternative 1)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 500
Total Area (ac): **33.31**

Station Limits 1203+78 to 1224+53
Basin Length (ft) : 2,075

Draft

Pre-Development Conditions

Total Area (ac):	33.31
Pervious Area (ac):	27.15
Impervious Area (ac):	6.16

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Existing)	-	98	2.4	7.16
Roadway (Side Streets)	-	98	2.4	68.5
Railroad	-	98	1.00	98.00
Open Space (Fair Condition - grass cover 50% to 75%)	A	4	12.69	621.81
Commercial	A		2.34	208.26
Residential districts, 1/2 acre lot	A	54	12	654.48
Total Area:			33.31	2088.23
Total Pre Composite Curve Number:				**62.69**

Post-Development Conditions

Total Area (ac):	33.31
Pervious Area (ac):	24.50
Railroad Area & Side Streets (ac):	3.65
Impervious Area (ac):	5.16 (includes roadway)

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Side Streets)	-	98	2.65	259.70
Railroad	-	98	1.00	98.00
Open Space (Fair Condition - grass cover 50% to 75%)	A	49	11.32	554.68
Commercial	A	89	1.06	94.34
Residential districts, 1/2 acre lot	A	54	12.12	654.48
Required Treatment				
Roadway (Proposed)		98	5.16	505.68
Pond @ NWL		100		0.00
Total Area:			33.31	2166.88
Total Post Composite Curve Number:				**65.05**

NOTES:
1. The proposed dry pond in the post conditions is included in the open space.

US 98 Basin 500 (Alternative 1)	Comp. By: KJH Date: 10/1/2021 Chk. By: HDN Job No: 443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 500 **Station Limits** 1203+78 to 1224+53
Total Area (ac): **33.31** **Basin Length (ft) :** 2,075

Water Quantity Calculations

SCS Curve Nu[illegible]r Method with antecedent moisture condition II:

$Q = (P - 0.2*S)^2 / (P + 0.8*S)$ Q = Runoff, inches

P = 25 yr / 24 hr 8.61

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	5.95	5.37

Q_{pre} = 4.12 inches $(Q_{post}*A_{post})-(Q_{pre}*A_{pre})=$ 0.78 ac-ft
Q_{post} = 4.40 inches

Water Quality Calculations

On-line Treatment (Dry Retention-open basin)
.5" rainfall)

Area	5.16	ac
Runoff Depth	0.50	in
Runoff Volume	0.22	ac-ft
Total Treatment Volume	0.22	ac-ft

Final Treatment Volume	**0.22**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 0.78 Water Quality Total Volume Required (ac-ft) : 0.22

V_{Tot}= 1.00 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

V_{Tot}= 1.20 ac-ft (Safety Factor = 1.2)

SMF 500-1

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	121.00	18,656 sf	0.43 ac	0.00 ac-ft	0.00 ac-ft
	123.00	23,596 sf	0.54 ac	0.97 ac-ft	0.97 ac-ft
Max Attenuation	124.00	26,217 sf	0.60 ac	0.57 ac-ft	1.54 ac-ft
Inside TOB	125.00	28,938 sf	0.66 ac	1.21 ac-ft	2.18 ac-ft
Outside TOB	125.00	44,054 sf	1.01 ac		

Treatment Volume Elevation Provided: 121.44 ft

Treatment Volume + Attenuation Volume Elevation Required: 123.40 ft
Treatment Volume + Attenuation Volume Elevation Provided: 124.00 ft

Check Treatment and Attenuation Volume Requirement

1.20 ac-ft is < or = 1.54 ac-ft Treatment and Attenuation Volume Requirement met

Draft

US 98
Basin 500 (Alternative 2)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 500
Total Area (ac): **34.36**

Station Limits 1203+78 to 1224+53
Basin Length (ft) : 2,075

Draft

Pre-Development Conditions

Total Area (ac):	34.36
Pervious Area (ac):	28.20
Impervious Area (ac):	6.16

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Existing)	-	98	2.4	7.16
Roadway (Side Streets)	-	98	2.4	68.5
Railroad	-	98	1.00	98.00
Open Space (Fair Condition - grass cover 50% to 75%)	A	4	12.69	621.81
Commercial	A		2.34	208.26
Residential districts, 1/2 acre lot	A	54	12	654.48
Open Space (Fair Condition - grass cover 50% to 75%) (Pond Area)	A	49	1.05	51.45
Total Area:			34.36	2139.68
Total Pre Composite Curve Number:				**62.27**

Post-Development Conditions

Total Area (ac):	34.36	
Pervious Area (ac):	25.55	
Railroad Area (ac):	3.65	
Impervious Area (ac):	5.16	(includes roadway)

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Side Streets)	-	98	2.65	259.70
Railroad	-	98	1.00	98.00
Open Space (Fair Condition - grass cover 50% to 75%)	A	49	11.32	554.68
Commercial	A	89	1.06	94.34
Residential districts, 1/2 acre lot	A	54	12.12	654.48
Open Space (Fair Condition - grass cover 50% to 75%) (Pond Area)	A	49	1.05	51.45
Required Treatment				
Roadway (Proposed)		98	5.16	505.68
Pond @ NWL		100		0.00
Total Area:			34.36	2218.33
Total Post Composite Curve Number:				**64.56**

NOTES:

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	**443368-3 & 443368-4**

US 98
Basin 500 (Alternative 2)

Pond Sizing Calculations

Basin No: 500 **Station Limits** 1203+78 to 1224+53
Total Area (ac): **34.36** **Basin Length (ft) :** 2,075

Water Quantity Calculations

SCS Curve Number Method with antecedent moisture condition II:

$Q = (P - 0.2*S)^2 / (P + 0.8*S)$ Q = Runoff, inches

FDOT 25 yr / 24 hr 8.61

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	6.06	5.49

Q_{pre} = 4.07 inches $(Q_{post}*A_{post})-(Q_{pre}*A_{pre})$= 0.78 ac-ft
Q_{post} = 4.34 inches

Water Quality Calculations

On-line Treatment (Dry Retention-open basin)
1.5" rainfall)

Area	5.16	ac
Runoff Depth	0.50	in
Runoff Volume	0.22	ac-ft
Total Treatment Volume	0.22	ac-ft

Final Treatment Volume	**0.22**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 0.78 Water Quality Total Volume Required (ac-ft) : 0.22

V_{Tot}= 1.00 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

V_{Tot}= 1.20 ac-ft (Safety Factor = 1.2)

SMF 500-2

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	87.50	29,710 sf	0.68 ac	0.00 ac-ft	0.00 ac-ft
	88.50	32,560 sf	0.75 ac	0.71 ac-ft	0.71 ac-ft
Max Attenuation	89.50	35,511 sf	0.82 ac	0.78 ac-ft	1.50 ac-ft
Inside TOB	90.50	38,563 sf	0.89 ac	1.63 ac-ft	2.35 ac-ft
Outside TOB	90.50	55,329 sf	1.27 ac		

Treatment Volume Elevation Provided: 87.80 ft

Treatment Volume + Attenuation Volume Elevation Required: 89.12 ft
Treatment Volume + Attenuation Volume Elevation Provided: 89.50 ft

Check Treatment and Attenuation Volume Requirement

1.20 ac-ft is < or = 1.50 ac-ft Treatment and Attenuation Volume Requirement met

Draft

US 98
BASIN 500
POND SITING MATRIX

Comp. By	KJH
Date:	10/1/2021
Chk. By:	HDN

Item #	Weight of Factor	Factor	ALTERNATIVE 1 Score	ALTERNATIVE 1 Weighted Score	ALTERNATIVE 1 Notes	ALTERNATIVE 2 Score	ALTERNATIVE 2 Weighted Score	ALTERNATIVE 2 Notes
	1-10		1-10			1-10		
		Alternative Number (Pond ID)	SMF 500-1			SMF 500-2		
		Brief Description of Alternative	DRY RETENTION POND, STORMWATER PIPE			DRY RETENTION POND, STORMWATER PIPE		
		Parcel Number	19-25-22-0000-00400-0030			19-25-22-003A-00A00-0000		
		Parcel Owner	ITR AMERICA PROPERTIES LLC			DERRELL WARREN WILSON		
		Parcel Size (Acres)	8.02			4.72		
		Right-of-way Required (Acres)	1.66			1.61		
1	3	Right-of-Way Costs (Includes: Z ng)	3	9	$500,700	2	6	$381,300
2	1	Number of Parcels Impacted	3	3	1 Parcel	2	2	1 Parcel
3	1	Partial or Whole Parcel Take	5	5	Whole Parcel	5	5	Partial Parcel
4	1	Long-term Maintenance Costs	1	1	1 Pond	1	1	1 Pond
5	1	Safety	1	1	Set away from roadway	1	1	Set away from roadway
6	3	Floodplain Impacts/Mitigati	0	0	None	0	0	None
7	3	Contamination and Hazard s Mat als	0	0	None	0	0	None
8	2	Utilities (includes Septic Sys ns & Water V lls)	0	0	No known Utilities	0	0	No known Utilities
9	2	Threatened/Endanger Species	2	4	Low	2	4	Low
10	1	Section 4(f) (Includes A cheological/ ical Sites & Cemeteries)	2	2	Low to moderate-Prehistoric Arch. Low-Historical Arch	2	2	Low-Prehistoric Arch. Low-Historical Arch
11	2	Wetlands and Other Envi ental Factors (Includes: M Costs)	0	0	None	0	0	None
12	3	Geotec cal Issues (i des SHWT, soil type & conve nce feasibility)	1	3	SHWT 118'	1	3	SHWT 83'
13	2	Exis g Permits and Existi Land Use	0	0	No permits, Vacant	0	0	No permits, Vacant
14	2	R y Low Edge of Pav ent	1	2	Sta 1212+78 , 121.0'	1	2	Sta 1212+78 , 121.0'
15	3	Constru lity	3	9	150' of pipe to SMF, 80' from SMF to outfall	5	15	800' of pipe to SMF, 100' from SMF to outfall
16	1	Ground Topograph	1	1	Gradual Slopes, 112' to 124'	5	5	Gradual Slopes, 89' to 94'
17	1	Sidewalks and Trails	0	0	None affected	0	0	None affected
18	1	Access Impacts to Other Parcels	0	0	No impact	0	0	No impact
19	1	Public Opinion	0	0	No public opinion to date.	0	0	No public opinion to date.
		Comments						
		Score	23	40		27	46	
		Ranking	1			2		

Comments: Scores are given from 1 to 10. Less points means better or more desired alternative. Weight of Factor determined by consensus of Pond Siting Team.

Draft

US 98
Basin 600 (Alternative 1)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 600
Total Area (ac): **79.60**

Station Limits 1224+53 to 1250+64
Basin Length (ft) : 2,611

Pre-Development Conditions

Total Area (ac):	79.60
Pervious Area (ac):	77.39
Impervious Area (ac):	2.21

Post-Development Conditions

Total Area (ac):	79.60
Pervious Area (ac):	74.45
Impervious Area (ac):	5.15 (includes roadway)

Land Use Description	Soil Group	CN	Area	CN
Roadway (Existing)	-	98	2.21	216.58
Open Space (Good Condition - grass cover >75%)	A	39	7.00	92.3
Pasture, grassland, or range-continuous forage for grazing	A	49	49.73	2436.7
Residential districts, 1/2 acre lot	A	5	20.16	1088.64
Total Area:			9.60	4034.49
Total Pre Composite Curve Number:				**50.68**

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	A	39	4.56	177.84
Pasture, grassland, or range-continuous forage for grazing	A	49	49.73	2436.77
Residential districts, 1/2 acre lot	A	54	20.16	1088.64
Required Treatment				
Roadway (Proposed)		98	5.15	504.70
Pond @ NWL		100		0.00
Total Area:			79.60	4207.95
Total Post Composite Curve Number:				**52.86**

Draft

NOTES:
1. The proposed dry pond in the post conditions is included in the open space.

US 98
Basin 600 (Alternative 1)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 600 **Station Limits** 1224+53 to 1250+64
Total Area (ac): **79.60** **Basin Length (ft) :** 2,611

Water Quality Calculations

SCS Curve Number Method with Antecedent moisture condition II:

$Q = (P - 0.2*S)^2 / (P + 0.8*S)$ Q = Runoff, inches

P = 25 yr / 24 hr 8.61

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	9.73	8.92

Q_{post} = 2.71 inches $(Q_{post}*A_{post})-(Q_{pre}*A_{pre})=$ 1.67 ac-ft
Q_{pre} = 2.96 inches

Water Quality Calculations

On-line Treatment (Dry Retention-open basin)
.5" rainfall)

Area	5.15	ac
Runoff Depth	0.50	in
Runoff Volume	0.21	ac-ft
Total Treatment Volume	0.21	ac-ft

Final Treatment Volume	**0.21**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 1.67 Water Quality Total Volume Required (ac-ft) : 0.21

V_{Tot}= 1.88 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

V_{Tot}= 2.26 ac-ft (Safety Factor = 1.2)

SMF 600-1

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	115.50	68,465 sf	1.57 ac	0.00 ac-ft	0.00 ac-ft
	116.00	70,858 sf	1.63 ac	0.80 ac-ft	0.80 ac-ft
Max Attenuation	117.00	75,746 sf	1.74 ac	1.68 ac-ft	2.48 ac-ft
Inside TOB	118.00	80,733 sf	1.85 ac	3.48 ac-ft	4.28 ac-ft
Outside TOB	118.00	107,181 sf	2.46 ac		

Treatment Volume Elevation Provided: 115.63 ft

Treatment Volume + Attenuation Volume Elevation Required: 116.87 ft
Treatment Volume + Attenuation Volume Elevation Provided: 117.00 ft

Check Treatment and Attenuation Volume Requirement

2.26 ac-ft is < or = 2.48 ac-ft Treatment and Attenuation Volume Requirement met

Draft

US 98
Basin 600 (Alternative 2)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 600
Total Area (ac): **79.60**

Station Limits 1224+53 to 1250+64
Basin Length (ft) : 2,611

Pre-Development Conditions

Total Area (ac):	79.60
Pervious Area (ac):	77.39
Impervious Area (ac):	2.21

Land Use Description	Soil Group	CN	Area	CN
Roadway (Existing)	-	98	2.21	216.58
Open Space (Good Condition - grass cover >75%)	A	39	[illegible]0	292.5
Pasture, grassland, or range-continuous forage for grazing	A	49	49.73	436.[illegible]
Residential districts, 1/2 acre lot	A	54	[illegible].16	1088.64
Total Area:			79.60	4034.49
Total Pre Composite Curve Number:				**50.68**

Post-Development Conditions

Total Area (ac):	79.60
Pervious Area (ac):	74.45
Impervious Area (ac):	5.15 (includes roadway)

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	A	39	4.56	177.84
Pasture, grassland, or range-continuous forage for grazing	A	49	49.73	2436.77
Residential districts, 1/2 acre lot	A	54	20.16	1088.64
Required Treatment				
Roadway (Proposed)		98	5.15	504.70
Pond @ NWL		100		0.00
Total Area:			79.60	4207.95
Total Post Composite Curve Number:				**52.86**

Draft

NOTES:
1. The proposed dry pond in the post conditions is included in the open space.

US 98 Basin 600 (Alternative 2)	Comp. By:	KJH
	Date:	10/1/2021
	Chk. By:	HDN
	Job No:	443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 600 **Station Limits** 1224+53 to 1250+64
Total Area (ac): **79.60** **Basin Length (ft) :** 2,611

Water Quantity Calculations

SCS Curve Nu[illegible] Method with [illegible]tecedent moisture condition II:

$Q = (P - 0.2*S)^2 / (P + 0.8*S)$ Q = Runoff, inches

[illegible]25 yr / 24 hr 8.61

	PRE	POST
S = storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	9.73	8.92

Q_{pre} =	2.71	inches	$(Q_{post}*A_{post})-(Q_{pre}*A_{pre})$=	1.67	ac-ft
Q_{post} =	2.96	inches			

Water Quality Calculations

On-line Treatmen[illegible] (Dry Retention-open basin)
[illegible]5" rainfall)

Area	5.15	ac
Runoff Depth	0.50	in
Runoff Volume	0.21	ac-ft
Total Treatment Volume	0.21	ac-ft

Final Treatment Volume	**0.21**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 1.67 Water Quality Total Volume Required (ac-ft) : 0.21

V_{Tot}= 1.88 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

V_{Tot}= 2.26 ac-ft (Safety Factor = 1.2)

SMF 600-2

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	115.50	66,977 sf	1.54 ac	0.00 ac-ft	0.00 ac-ft
	116.00	71,379 sf	1.64 ac	0.79 ac-ft	0.79 ac-ft
Max Attenuation	117.00	75,882 sf	1.74 ac	1.69 ac-ft	2.48 ac-ft
Inside TOB	118.00	80,486 sf	1.85 ac	3.49 ac-ft	4.28 ac-ft
Outside TOB	118.00	105,012 sf	2.41 ac		

Treatment Volume Elevation Provided: 115.64 ft

Treatment Volume + Attenuation Volume Elevation Required: 116.87 ft
Treatment Volume + Attenuation Volume Elevation Provided: 117.00 ft

Check Treatment and Attenuation Volume Requirement

2.26 ac-ft is < or = 2.48 ac-ft Treatment and Attenuation Volume Requirement met

Draft

US 98
BASIN 600
POND SITING MATRIX

Comp. By	KJH
Date:	10/1/2021
Chk. By:	HDN

Item #	Weight of Factor	Factor	ALTERNATIVE 1 Score	ALTERNATIVE 1 Weighted Score	ALTERNATIVE 1 Notes	ALTERNATIVE 2 Score	ALTERNATIVE 2 Weighted Score	ALTERNATIVE 2 Notes
	1-10		1-10			1-10		
		Alternative Number (Pond ID)	SMF 600-1			SMF 600-2		
		Brief Description of Alternative	DRY RETENTION POND, STORMWATER PIPE			DRY RETENTION POND, STORMWATER PIPE		
		Parcel Number	19-25-22-0030-00000-0110			13-25-21-0010-11200-0000		
		Parcel Owner	FREEMARR DEVELOPMENT INC & SUNFIELD HOMES INC			MARVIN E HALL JR		
		Parcel Size (Acres)	13.99			8.76		
		Right-of-way Required (Acres)	2.97			3.03		
1	3	Right-of-Way Costs (Includes: Zo	1	3	$132,900	2	6	$330,200
2	1	Number of Parcels Impacted	1	1	1 Parcel	1	1	1 Parcel
3	1	Partial or Whole Parcel Take	5	5	Partial Parcel	5	5	Partial Parcel
4	1	Long-term Maintenance Costs	1	1	1 Pond	1	1	1 Pond
5	1	Safety	1	1	Set away from roadway	1	1	Set away from roadway
6	3	Floodplain Impacts/Mitiga n	0	0	None	0	0	None
7	3	Contamination and Hazard s M erials	0	0	None	0	0	None
8	2	Utilities (includes Sept Systems Water ells)	0	0	No known Utilities	0	0	No known Utilities
9	2	Threatened/Endange d Species	3	6	Moderate (1 potential gopher tortoise borrow)	2	4	Low
10	1	Section 4(f) (Includes Ar gical/Historical Sites & Cemeteries)	2	2	Low-Prehistoric Arch. Low-Historical Arch	2	2	Low-Prehistoric Arch. Low-Historical Arch
11	2	Wetlan and Other E onmental Factors (Incl es: Mitigation Cos	0	0	None	0	0	None
12	3	Ge nical Issues (inclu s SHWT, soil type & conveya easibility)	1	3	SHWT 109'	1	3	SHWT 110'
13	2	Existing Perm d E ing Land Use	0	0	No permits, Vacant	0	0	No permits, Vacant
14	2	Roadway Low Edge avement	1	2	Sta 1236+00 , 119.0'	1	2	Sta 1236+00 , 119.0'
15	3	Constructability	3	9	100' of pipe to SMF, 50' from SMF to outfall	2	6	100' of pipe to SMF, 80' from SMF to outfall
16	1	Ground Topography	1	1	Gradual Slopes, 115' to 119'	1	1	Gradual Slopes, 116' to 126'
17	1	Sidewalks and Trails	0	0	None affected	0	0	None affected
18	1	Access Impacts to Other Parcels	0	0	No impact	0	0	No impact
19	1	Public Opinion	0	0	No public opinion to date.	0	0	No public opinion to date.
		Comments						
		Score	20	34		19	32	
		Ranking	2			1		

Comments: Scores are given from 1 to 10. Less points means better or more desired alternative. Weight of Factor determined by consensus of Pond Siting Team.

Draft

US 98
Basin 700 (Alternative 1)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 700
Total Area (ac): **26.83**

Station Limits 1250+64 to 1286+23
Basin Length (ft) : 3,559

Draft

Pre-Development Conditions

Total Area (ac):	26.83
Pervious Area (ac):	22.84
Impervious Area (ac):	3.99

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Existing)	-	98	7.37	[illegible]
Roadway (Side Streets)	-	98	0.62	60.7
Woods (Fair Condition)	A	[illegible]	6.31	227.16
Open Space (Fair Condition - grass cover 50% to 75%)	A	49	9.[illegible]	487.06
Pasture, grassland, or range-continuous forage for grazing	A	49	2.13	104.37
Residential districts, 1/2 acre lot	A	54	[illegible].12	168.48
Open Space (Fair Condition - grass cover 50% to 75%) (Pond Area)	A	[illegible]	1.34	65.66
Total Area:			26.83	1443.75
Total Pre Composite Curve Number:				**53.81**

Post-Development Conditions

Total Area (ac):	26.83
Pervious Area (ac):	18.87
Impervious Area (side streets) (ac):	0.62
Impervious Area (ac):	7.34 (includes roadway)

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Side Streets)	-	98	0.62	60.76
Woods (Fair Condition)	A	36	6.31	227.16
Open Space (Good Condition - grass cover >75%)	A	39	5.97	232.83
Pasture, grassland, or range-continuous forage for grazing	A	49	2.13	104.37
Residential districts, 1/2 acre lot	A	54	3.12	168.48
Open Space (Fair Condition - grass cover 50% to 75%) (Pond Area)	A	49	1.34	65.66
Required Treatment				
Roadway (Proposed)		98	7.34	719.32
Pond @ NWL		100		0.00
Total Area:			26.83	1578.58
Total Post Composite Curve Number:				**58.84**

NOTES:

US 98 **Basin 700 (Alternative 1)**	Comp. By: KJH Date: 10/1/2021 Chk. By: HDN Job No: 443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 700 **Station Limits** 1250+64 to 1286+23
Total Area (ac): **26.83** **Basin Length (ft) :** 3,559

Water Quantity Calculations

SCS Curve Number Method with antecedent moisture condition II:

$Q = (P - 0.2*S)^2 / (P + 0.8*S)$ Q = Runoff, inches

P = FDOT 25 yr / 24 hr 8.61

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	8.58	7.00

Q_{post} = 3.07 inches $(Q_{post}*A_{post})-(Q_{pre}*A_{pre})=$ 1.32 ac-ft
Q_{pre} = 3.66 inches

Water Quality Calculations

On-line Treatment (Dry Retention-open basin)
1.5" rainfall)

Area	7.34	ac
Runoff Depth	0.50	in
Runoff Volume	0.31	ac-ft
Total Treatment Volume	0.31	ac-ft

Final Treatment Volume	**0.31**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 1.32 Water Quality Total Volume Required (ac-ft) : 0.31

V_{Tot}= 1.62 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

V_{Tot}= 1.95 ac-ft (Safety Factor = 1.2)

SMF 700-1

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	125.00	52,649 sf	1.21 ac	0.00 ac-ft	0.00 ac-ft
	126.00	56,642 sf	1.30 ac	1.25 ac-ft	1.25 ac-ft
Max Attenuation	127.00	60,736 sf	1.39 ac	1.35 ac-ft	2.60 ac-ft
Inside TOB	128.00	64,930 sf	1.49 ac	2.79 ac-ft	4.05 ac-ft
Outside TOB	128.00	87,410 sf	2.01 ac		

Treatment Volume Elevation Provided: 125.24 ft

Treatment Volume + Attenuation Volume Elevation Required: 126.52 ft
Treatment Volume + Attenuation Volume Elevation Provided: 127.00 ft

Check Treatment and Attenuation Volume Requirement

1.95 ac-ft is < or = 2.60 ac-ft Treatment and Attenuation Volume Requirement met

Draft

US 98
Basin 700 (Alternative 2)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 700
Total Area (ac): **26.98**

Station Limits 1250+64 to 1286+23
Basin Length (ft) : 3,559

Draft

Pre-Development Conditions

Total Area (ac):	26.98
Pervious Area (ac):	22.99
Impervious Area (ac):	3.99

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Existing)	-	98	3.37	330.26
Roadway (Side Streets)	-	98	0.62	60.76
Woods (Fair Condition)	A	36	6.31	227.16
Open Space (Fair Condition - grass cover 50% to 75%)	A	49	9.95	487.55
Pasture, grassland, or range-continuous forage for grazing	A	49	2.13	104.37
Residential districts, 1/2 acre lot	A	54	3.12	168.48
Open Space (Fair Condition - grass cover 50% to 75%) (Pond Area)	A	49	1.48	72.52
Total Area:			26.98	1451.10
Total Pre Composite Curve Number:				**53.78**

Post-Development Conditions

Total Area (ac):	26.98
Pervious Area (ac):	19.02
Impervious Area (side streets) (ac):	0.62
Impervious Area (ac):	7.34 (includes roadway)

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Side Streets)	-	98	0.62	60.76
Woods (Fair Condition)	A	36	6.31	227.16
Open Space (Good Condition - grass cover >75%)	A	39	5.98	233.22
Pasture, grassland, or range-continuous forage for grazing	A	49	2.13	104.37
Residential districts, 1/2 acre lot	A	54	3.12	168.48
Open Space (Fair Condition - grass cover 50% to 75%) (Pond Area)	A	49	1.48	72.52
Required Treatment				
Roadway (Proposed)		98	7.34	719.32
Pond @ NWL		100		0.00
Total Area:			26.98	1585.83
Total Post Composite Curve Number:				**58.78**

NOTES:

US 98
Basin 700 (Alternative 2)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 700 **Station Limits** 1250+64 to 1286+23
Total Area (ac): **26.98** **Basin Length (ft) :** 3,559

Water Quantity Calculations

SCS Curve Number Method with antecedent moisture condition II:

$Q = (P - 0.2*S)^2 / (P + 0.8*S)$ Q = Runoff, inches

P = 25 yr / 24 hr 8.61

			PRE	POST
S =	Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =		8.59	7.01
Q_{post} =	3.07	inches	$(Q_{post}*A_{post})-(Q_{pre}*A_{pre})$=	1.32 ac-ft
Q_{pre} =	3.65	inches		

Water Quality Calculations

On-line Treatment (Dry Retention-open basin)
.5" rainfall)

Area	7.34	ac
Runoff Depth	0.50	in
Runoff Volume	0.31	ac-ft
Total Treatment Volume	0.31	ac-ft

Final Treatment Volume	**0.31**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 1.32 Water Quality Total Volume Required (ac-ft) : 0.31

V_{Tot}= 1.62 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

V_{Tot}= 1.95 ac-ft (Safety Factor = 1.2)

SMF 700-2

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	123.00	31,246 sf	0.72 ac	0.00 ac-ft	0.00 ac-ft
	125.00	37,474 sf	0.86 ac	1.58 ac-ft	1.58 ac-ft
Max Attenuation	126.00	40,738 sf	0.94 ac	0.90 ac-ft	2.48 ac-ft
Inside TOB	127.00	44,103 sf	1.01 ac	1.87 ac-ft	3.45 ac-ft
Outside TOB	127.00	62,437 sf	1.43 ac		

Treatment Volume Elevation Provided: 123.39 ft

Treatment Volume + Attenuation Volume Elevation Required: 125.41 ft
Treatment Volume + Attenuation Volume Elevation Provided: 126.00 ft

Check Treatment and Attenuation Volume Requirement

1.95 ac-ft is < or = 2.48 ac-ft Treatment and Attenuation Volume Requirement met

Draft

US 98
BASIN 700
POND SITING MATRIX

Comp. By	KJH
Date:	10/1/2021
Chk. By:	HDN

Item #	Weight of Factor	Factor	ALTERNATIVE 1 Score	ALTERNATIVE 1 Weighted Score	ALTERNATIVE 1 Notes	ALTERNATIVE 2 Score	ALTERNATIVE 2 Weighted Score	ALTERNATIVE 2 Notes
	1-10		1-10			1-10		
		Alternative Number (Pond ID)	SMF 700-1			SMF 700-2		
		Brief Description of Alternative	DRY RETENTION POND, STORMWATER PIPE			DRY RETENTION POND, STORMWATER PIPE		
		Parcel Number	13-25-21-0010-09400-0000			13-25-21-0010-08600-0020		
		Parcel Owner	WALTER S BURTON			ACME DEVELOPMENT CORPORATION		
		Parcel Size (Acres)	4.11			25.00		
		Right-of-way Required (Acres)	2.53			2.78		
1	3	Right-of-Way Costs (Includes: Zoning	1	3	$421,100	1	3	$300,000
2	1	Number of Parcels Impacted	1	1	1 Parcel	1	1	1 Parcel
3	1	Partial or Whole Parcel Take	5	5	Partial Parcel	5	5	Partial Parcel
4	1	Long-term Maintenance Costs	1	1	1 Pond	1	1	1 Pond
5	1	Safety	1	1	Set away from roadway	5	5	Set away from roadway, Near pedestrian Activity
6	3	Floodplain Impacts/Mitigation	1	3	None	1	3	None
7	3	Contamination and Hazardous Materia	0	0	None	0	0	None
8	2	Utilities (includes Septic Systems & Wa Well	0	0	No known Utilities	0	0	No known Utilities
9	2	Threatened/Endangered Species	3	6	High (5 potential gopher tortoise burrows)	2	4	Low
10	1	Section 4(f) (Includes Archeol /Historical Sites & Cemeteries)	2	2	Low-Prehistoric Arch. Low-Historical Arch	2	2	Low to moderate-Prehistoric Arch. Low-Historical Arch
11	2	Wetlands an ther Envi ental Factors	0	0	None	0	0	None
12	3	Geotechni Issues (includes WT, soil type & conveya feasibility)	1	3	SHWT 121'	1	3	SHWT 118'
13	2	Existing mits and Existing La Use	0	0	No permits, Vacant	0	0	No permits, Vacant
14	2	Roadway Le ge of Paveme	1	2	Sta 1259+25 , 129.0'	1	2	Sta 1259+25 , 129.0'
15	3	Constructability	1	3	200' of pipe to SMF, 80' from SMF to outfall	1	3	100' of pipe to SMF, 200' from SMF to outfall
16	1	Ground Topography	1	1	Gradual Slopes, 127' to 128'	1	1	Gradual Slopes, 118' to 131'
17	1	Sidewalks and Trails	0	0	None affected	0	0	None affected
18	1	Access Impacts to Other Parcels	0	0	No impact	0	0	No impact
19	1	Public Opinion	0	0	No public opinion to date.	0	0	No public opinion to date.
		Comments						
		Score	19	31		22	33	
		Ranking	1			2		

Comments: Scores are given from 1 to 10. Less points means better or more desired alternative. Weight of Factor determined by consensus of Pond Siting Team.

Draft

US 98
Basin 800-A (offsite)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 800
Total Area (ac): **9.39**

Station Limits _____ to _____
Basin Length (ft) :

Pre-Development Conditions

Total Area (ac):	9.39
Pervious Area (ac):	7.24
Impervious Area (ac):	2.15

Post-Development Conditions

Total Area (ac):	9.39
Pervious Area (ac):	7.58
Impervious Area (ac):	1.86

Land Use Description	Soil Group	CN	Area	CN*A
Existing Impervious Area	-	100	2.[illegible]	2[illegible]00
Open Space (Good Condition - grass cover >75%)	A	39	0.[illegible]1	31.59
Woods- grass combination (Fair Condition)	A	43	6.43	2[illegible]9
Total Area:			[illegible]39	523.08
Total Pre Composite Curve Number:				**55.71**

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	A	39	7.58	295.62
Required Treatment				
Roadway (Proposed)		98	1.86	182.28
Pond @ NWL		100		0.00
Total Area:			9.39	477.90
Total Post Composite Curve Number:				**50.89**

NOTES:

Draft

US 98
Basin 800 (Alternative 1)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 800
Total Area (ac): **19.28**

Station Limits 1286+23 to 1313+45
Basin Length (ft) : 2,722

Pre-Development Conditions

Total Area (ac):	19.28
Pervious Area (ac):	18.79
Impervious Area (ac):	0.49

Post-Development Conditions

Total Area (ac):	19.28
Pervious Area (ac):	13.86
Impervious Area (ac):	5.38

Land Use Description	Soil Group	CN	Area	CN*A
Existing Impervious Area	-	100	0.	[illegible]
Open Space (Good Condition - grass cover >75%)	A	39	6[illegible]	257.40
Woods- grass combination (Fair Condition)	A	43	11.92	[illegible]6
Residential districts, 2 acre lot	A	46	[illegible]	12.42
Total Area:			19.28	831.38
Total Pre Composite Curve Number:				**43.12**

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	A	39	13.86	540.54
Required Treatment				
Roadway (Proposed)		98	5.38	527.24
Pond @ NWL		100		0.00
Total Area:			19.28	1067.78
Total Post Composite Curve Number:				**55.38**

Draft

NOTES:

1. The proposed dry pond in the post conditions is included in the open space.

US 98
Basin 800 (For Alternative 1)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 800 **Station Limits** 1286+23 to 1313+45
Total Area (ac): **19.28** **Basin Length (ft) :** 2,722

Water Quality Calculations

SCS Curve Number Method for antecedent moisture condition II:

Q = (P - 0.2*S)^2 / (P + 0.8*S) Q = Runoff, inches

P = FDOT 100 yr / 24 hr 12.10

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	13.19	8.06

Qpre =	3.95	inches	$(Q_{post}*A_{post})-(Q_{pre}*A_{pre})$=	3.18 ac-ft
Qpost =	5.93	inches		
Area of Runoff to be Retained =	19.28	acre		
Runoff for Retention =	9.53	ac-ft		

Water Quality Calculations

On-Line Treatment (Dry Retention-closed basin)
(0.5" rainfall)

Area	5.38	ac
Runoff Depth	0.50	in
Runoff Volume	0.22	ac-ft
Total Treatment Volume	0.22	ac-ft

Final Treatment Volume	**0.22**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 9.53 Water Quality Total Volume Required (ac-ft) : 0.22

V_{Tot}= 9.76 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

V_{Tot}= 9.95 ac-ft (Safety Factor = 1.02) for retention

SMF 800-1

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	133.00	126,869 sf	2.91 ac	0.00 ac-ft	0.00 ac-ft
Allowable 100-yr Stage	137.00	153,135 sf	3.52 ac	12.86 ac-ft	12.86 ac-ft
Inside TOB	138.00	159,952 sf	3.67 ac	3.59 ac-ft	16.45 ac-ft
Outside TOB	138.00	195,549 sf	4.49 ac		

Treatment Volume Elevation Required: 133.07 ft

Treatment Volume + Attenuation Volume Elevation Provided: 136.10 ft

Check Treatment and Attenuation Volume Requirement

9.95 ac-ft is < or = 12.86 ac-ft Treatment and Attenuation Volume Requirement met

Draft

US 98
Basin 800 (Alternative 2)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 800
Total Area (ac): **19.36**

Station Limits 1286+23 to 1313+45
Basin Length (ft) : 2,722

Pre-Development Conditions

Total Area (ac):	19.36
Pervious Area (ac):	18.87
Impervious Area (ac):	0.49

Post-Development Conditions

Total Area (ac):	19.36
Pervious Area (ac):	13.94
Impervious Area (ac):	5.38

Land Use Description	Soil Group	CN	Area	CN*A
Existing Impervious Area	-	100	0.[illegible]	[illegible]
Open Space (Good Condition - grass cover >75%)	A	39	0.[illegible]3	36.27
Woods- grass combination (Fair Condition)	A	43	17.67	[illegible]1
Residential districts, 2 acre lot	A	46	[illegible]	12.42
Total Area:			19.36	857.50
Total Pre Composite Curve Number:				**44.29**

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	A	39	13.94	543.66
Required Treatment				
Roadway (Proposed)		98	5.38	527.24
Pond @ NWL		100		0.00
Total Area:			19.36	1070.90
Total Post Composite Curve Number:				**55.32**

Draft

NOTES:

1. The proposed dry pond in the post conditions is included in the open space.

US 98 **Basin 800 (For Alternative 2)**	Comp. By: KJH Date: 10/1/2021 Chk. By: HDN Job No: 443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 800 **Station Limits** 1286+23 to 1313+45
Total Area (ac): **19.36** **Basin Length (ft) :** 2,722

Water Quantity Calculations

SCS Curve Number Method for antecedent moisture condition II:

Q = (P - 0.2*S)^2 / (P + 0.8*S) Q = Runoff, inches

P = FDOT 100 yr / 24 hr 12.10

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	12.58	8.08

Q_{pre} =	4.15	inches	$(Q_{post}*A_{post})-(Q_{pre}*A_{pre})$=	2.87 ac-ft
Q_{post} =	5.92	inches		
Area of Runoff to be Retained =	19.36	acre		
Runoff for Retention =	9.55	ac-ft		

Water Quality Calculations

On-Site Treatment (Dry Retention-closed basin)
(0.5" rainfall)

Area	5.38	ac
Runoff Depth	0.50	in
Runoff Volume	0.22	ac-ft
Total Treatment Volume	0.22	ac-ft

Final Treatment Volume	**0.22**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 9.55 Water Quality Total Volume Required (ac-ft) : 0.22

V_{Tot}= 9.78 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

V_{Tot}= 9.97 ac-ft (Safety Factor = 1.02) for retention

SMF 800-2

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	134.00	138,407 sf	3.18 ac	0.00 ac-ft	0.00 ac-ft
Allowable 100-yr Stage	137.00	157,824 sf	3.62 ac	10.20 ac-ft	10.20 ac-ft
Inside TOB	138.00	164,498 sf	3.78 ac	3.70 ac-ft	13.90 ac-ft
Outside TOB	138.00	199,373 sf	4.58 ac		

Treatment Volume Elevation Required: 134.07 ft

Treatment Volume + Attenuation Volume Elevation Provided: 136.93 ft

Check Treatment and Attenuation Volume Requirement

9.97 ac-ft is < or = 10.20 ac-ft Treatment and Attenuation Volume Requirement met

Draft

US 98
BASIN 800
POND SITING MATRIX

Comp. By	KJH
Date:	10/1/2021
Chk. By:	HDN

Item #	Weight of Factor	Factor	ALTERNATIVE 1 Score	ALTERNATIVE 1 Weighted Score	ALTERNATIVE 1 Notes	ALTERNATIVE 2 Score	ALTERNATIVE 2 Weighted Score	ALTERNATIVE 2 Notes
	1-10		1-10			1-10		
		Alternative Number (Pond ID)	SMF 800-1			SMF 800-2		
		Brief Description of Alternative	DRY RETENTION POND, STORMWATER PIPE			DRY RETENTION POND, STORMWATER PIPE		
		Parcel Number	13-25-21-0010-00700-0000			13-25-21-0010-03700-0010		
		Parcel Owner	GREGORY A MCLAUGHLIN & CAROL J BOVA-MCLAUGHLIN & ETAL			TOWNSEND TIM F & TOWNSEND DARRYL R TRUST & ETAL		
		Parcel Size (Acres)	38.65			43.37		
		Right-of-way Required (Acres)	5.48			5.76		
1	3	Right-of-Way Costs (Includes: Zoning	2	6	$188,900	2	6	$220,200
2	1	Number of Parcels Impacted	1	1	1 Parcel	1	1	1 Parcel
3	1	Partial or Whole Parcel Take	1	1	Whole Parcel	1	1	Whole Parcel
4	1	Long-term Maintenance Costs	1	1	1 Pond	1	1	1 Pond
5	1	Safety	1	1	Set away from roadway	1	1	Set away from roadway
6	3	Floodplain Impacts/Mitigation	0	0	None	0	0	None
7	3	Contamination and Hazardous Material	0	0	None	0	0	None
8	2	Utilities (includes Septic Systems & Wa Well	0	0	No known Utilities	0	0	No known Utilities
9	2	Threatened/Endangered Species	2	4	Low	2	4	Low
10	1	Section 4(f) (Includes Arc gical/Historical Sites & Cemeteries)	2	2	Low to moderate-Prehistoric Arch. Low-Historical Arch	2	2	Low to moderate-Prehistoric Arch. Low-Historical Arch
11	2	Wetlands and C nmental rs (Includes: M gation Costs)	0	0	None	0	0	None
12	3	Geotechn Issues (includes WT, soil type & conveya e feasibility)	1	3	SHWT 129'	1	3	SHWT 130'
13	2	Existing its and Existing La Use	1	2	No permits, vacant	2	4	No permits, Agricultural
14	2	Roadway Lo of Paveme	1	2	Sta 1297+00 , 139.0'	1	2	Sta 1297+00 , 139.0'
15	3	Constructability	2	6	100' of pipe to SMF	2	6	150' of pipe to SMF
16	1	Ground Topography	1	1	Gradual Slopes, 133' to 146'	1	1	Gradual Slopes, 134' to 141'
17	1	Sidewalks and Trails	0	0	None affected	0	0	None affected
18	1	Access Impacts to Other Parcels	0	0	No impact	0	0	No impact
19	1	Public Opinion	0	0	No public opinion to date.	0	0	No public opinion to date.
		Comments						
		Score	16	30		17	32	
		Ranking	1			2		

Draft

Comments: Scores are given from 1 to 10. Less points means better or more desired alternative. Weight of Factor determined by consensus of Pond Siting Team.

US 98
Basin 900 (For Alternative 1)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 900
Total Area (ac): **34.66**

Station Limits 1313+45 to 1381+33
Basin Length (ft) : 6,788

Pre-Development Conditions
Total Area (ac): 44.92
Pervious Area (ac): 43.53
Impervious Area (ac): 1.39

Post-Development Conditions
Total Area (ac): 44.92
Pervious Area (ac): 29.73
Impervious Area (ac): 15.19

Land Use Description	Soil Group	CN	Area	CN*A
Existing Impervious Area	-	10	1	139.00
Open Space (Good Condition - grass cover >75%)		3	2.06	99.84
Residential districts, 2 acre lot		46	12.98	597.08
Pasture, grassland, or range continuous forage for graz g		49	27.99	1371.51
Total Area:			44.92	2207.43
Total Pre Composite Curve Number:				**49.14**

sub-basin 1 (SMF 900-1 East)

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	A	39	18.21	710.11
Residential districts, 2 acre lot	A	46	5.41	248.77
Required Treatment				
Roadway (Proposed)		98	11.04	1081.92
Pond @ NWL		100		0.00
Total Area:			34.66	2040.80
Total Post Composite Curve Number:				**58.89**

sub-basin 2 (to depression area)

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	A	39	0.21	8.19
Roadway (Proposed)		98	1.39	136.22
Pond @ NWL		100		0.00
Total Area:			1.60	144.41
Total Post Composite Curve Number:				**90.26**

sub-basin 3 (SMF 900-1 West)

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	A	39	4.55	177.53
Residential districts, 2 acre lot	A	46	1.35	62.19
Required Treatment				
Roadway (Proposed)		98	2.76	270.48
Pond @ NWL		100		0.00
Total Area:			8.66	510.20
Total Post Composite Curve Number:				**58.89**

Draft

NOTES:
1. The proposed dry pond in the post conditions is included in the open space.

US 98
Basin 900 (For Alternative 1), 900-1 East

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 900 **Station Limits** 1313+45 to 1381+33
Total Area (ac): **34.66** **Basin Length (ft) :** 6,788

Water Quantity Calculations

SCS Curve Number Method for antecedent moisture condition II:

Q = (P - 0.2*S)² / (P + 0.8*S) Q = Runoff, inches

P = FDOT 100 yr / 24 hr 12.10

	PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =	10.35	6.98

Q pre =	4.94	inches	$(Q_{post}*A_{post})-(Q_{pre}*A_{pre})$=	9.99 ac-ft
Q post =	6.48	inches		
Area of Runoff to be Retained =	34.66	acre		
Runoff for Retention =	18.71	ac-ft		

Water Quality Calculations

On-Line Treatment (Dry Retention-closed basin)
(0.5" rainfall)

Area	11.04	ac
Runoff Depth	0.50	in
Runoff Volume	0.46	ac-ft
Total Treatment Volume	0.46	ac-ft

Final Treatment Volume	**0.46**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 18.71 Water Quality Total Volume Required (ac-ft) : 0.46

V_{Tot}= 18.71 ac-ft (The total peak storage volume required = Attenuation)
Treatment will be drawn down within 36 hours

SMF 900-1 East

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	80.00	265,331 sf	6.09 ac	0.00 ac-ft	0.00 ac-ft
Allowable 100-yr Stage	83.00	294,770 sf	6.77 ac	19.29 ac-ft	19.29 ac-ft
Inside TOB	84.00	304,784 sf	7.00 ac	6.88 ac-ft	26.17 ac-ft
Outside TOB	84.00	356,363 sf	8.18 ac		

Treatment Volume Elevation Required: 80.07 ft

Attenuation Volume Elevation Provided: 82.91 ft

Check Treatment and Attenuation Volume Requirement

18.71 ac-ft is < or = 19.29 ac-ft Attenuation Volume Requirement met

Draft

US 98 **Basin 900 (For Alternative 1), 900-1 West**	Comp. By: KJH Date: 10/1/2021 Chk. By: HDN Job No: 443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 900 **Station Limits** 1313+45 to 1381+33
Total Area (ac): **34.66** **Basin Length (ft) :** 6,788

Water Quantity Calculations

SCS Curve Number Method for antecedent moisture condition II:

Q = (P - 0.2*S)^2 / (P + 0.8*S) Q = Runoff, inches

P = FDOT 100 yr / 24 hr 12.10

	PRE	POST
S = Storage volume on and within soils after saturation = (1000/CN_C) - 10 =	10.35	6.98

Q_{pre} =	4.94	inches	$(Q_{post}*A_{post})-(Q_{pre}*A_{pre})=$	9.99 ac-ft
Q_{post} =	6.48	inches		
Area of Runoff to be Retained =	8.66	acre		
Runoff for Retention =	4.68	ac-ft		

Water Quality Calculations

On-Site Treatment (Dry Retention-closed basin)
(0.5" rainfall)

Area	2.76	ac
Runoff Depth	0.50	in
Runoff Volume	0.12	ac-ft
Total Treatment Volume	0.12	ac-ft

Final Treatment Volume	**0.12**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 4.68 Water Quality Total Volume Required (ac-ft) : 0.12

V_{Tot}= 4.68 ac-ft (The total peak storage volume required = Attenuation)
Treatment will be drawn down within 36 hours

SMF 900-1 West

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	84.50	38,552 sf	0.89 ac	0.00 ac-ft	0.00 ac-ft
Allowable 100-yr Stage	89.00	56,324 sf	1.29 ac	4.90 ac-ft	4.90 ac-ft
Inside TOB	90.00	60,550 sf	1.39 ac	1.34 ac-ft	6.24 ac-ft
Outside TOB	90.00	83,188 sf	1.91 ac		

Treatment Volume Elevation Required: 84.61 ft

Attenuation Volume Elevation Provided: 88.79 ft

Check Treatment and Attenuation Volume Requirement

4.68 ac-ft	is < or =	4.90 ac-ft	Attenuation Volume Requirement met

Draft

US 98
Basin 900 (For Alternative 2)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 900
Total Area (ac): **40.46**

Station Limits 1313+45 to 1381+33
Basin Length (ft) : 6,788

Pre-Development Conditions

Total Area (ac):	40.46
Pervious Area (ac):	39.07
Impervious Area (ac):	1.39

Post-Development Conditions

Total Area (ac):	40.46
Pervious Area (ac):	26.66
Impervious Area (ac):	13.80

Land Use Description	Soil Group	CN	Area	CN*A
Existing Impervious Area	-	100	1.[illegible]	[illegible]00
Open Space (Good Condition - grass cover >75%)	A	39	2.[illegible]3	99.84
Residential districts, 2 acre lot	A	46	5.26	2[illegible]6
Pasture, grassland, or range-continuous forage for grazing	A	49	[illegible].25	1531.25
Total Area:			40.46	2012.05
Total Pre Composite Curve Number:				**49.73**

sub-basin 1

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	A	39	25.06	977.34
Required Treatment				
Roadway (Proposed)		98	13.80	1352.40
Pond @ NWL		100		0.00
Total Area:			38.86	2329.74
Total Post Composite Curve Number:				**59.95**

sub-basin 2

Land Use Description	Soil Group	CN	Area	CN*A
Open Space (Good Condition - grass cover >75%)	A	39	0.21	8.19
Roadway (Proposed)		98	1.39	136.22
Pond @ NWL		100		0.00
Total Area:			1.60	144.41
Total Post Composite Curve Number:				**90.26**

Draft

NOTES:
1. The proposed dry pond in the post conditions is included in the open space.

US 98
Basin 900 (For Alternative 2)

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Pond Sizing Calculations

Basin No: 900 **Station Limits** 1313+45 to 1381+33

Total Area (ac): **40.46** **Basin Length (ft) :** 6,788

Water Quantity Calculations

SCS Curve Number Method for antecedent moisture condition II:

Q = (P - 0.2*S)² / (P + 0.8*S) Q = Runoff, inches

P = FDOT 100 yr / 24 hr 12.10

				PRE	POST
S = Storage volume on and within soils after saturation = $(1000/CN_C) - 10$ =				10.11	6.68
Q pre =	5.03	inches	$(Q_{post}*A_{post})-(Q_{pre}*A_{pre})$=	6.10	ac-ft
Q post =	6.64	inches			
Area of Runoff to be Retained =	38.86	acre			
Runoff for Retention =	21.51	ac-ft			

Water Quality Calculations

On-Line Treatment (Dry Retention-closed basin)
(0.5" rainfall)

Area	13.80	ac
Runoff Depth	0.50	in
Runoff Volume	0.58	ac-ft
Total Treatment Volume	0.58	ac-ft

Final Treatment Volume	**0.58**	ac-ft

Dry Retention Pond Sizing

Attenuation Volume Required (ac-ft) : 21.51

Water Quality Total Volume Required (ac-ft) : 0.58

V_{Tot}= 22.08 ac-ft (The total peak storage volume required = Attenuation + Treatment Volume)

Treatment will be drawn down within 36 hours

SMF 900-2

Pond Feature	Elevation (feet)	Area	Area	Inc. Volume	Total Volume
Bottom	91.00	319,085 sf	7.33 ac	0.00 ac-ft	0.00 ac-ft
Allowable 100-yr Stage	94.00	346,868 sf	7.96 ac	22.93 ac-ft	22.93 ac-ft
Inside TOB	95.00	356,330 sf	8.18 ac	8.07 ac-ft	31.00 ac-ft
Outside TOB	95.00	405,148 sf	9.30 ac		

Treatment Volume Elevation Required: 91.08 ft

Attenuation Volume Elevation Provided: 93.81 ft

Check Treatment and Attenuation Volume Requirement

21.51 ac-ft is < or = 22.93 ac-ft Treatment and Attenuation Volume Requirement met

Draft

US 98
Basin 900
POND SITING MATRIX

Comp. By	KJH
Date:	10/1/2021
Chk. By:	HDN

Item #	Weight of Factor	Factor	ALTERNATIVE 1 Score	ALTERNATIVE 1 Weighted Score	ALTERNATIVE 1 Notes	ALTERNATIVE 2 Score	ALTERNATIVE 2 Weighted Score	ALTERNATIVE 2 Notes
	1-10		1-10			1-10		
		Alternative Number (Pond ID)	SMF 900-1			SMF 900-2		
		Brief Description of Alternative	DRY RETENTION POND, STORMWATER PIPE			DRY RETENTION POND, STORMWATER PIPE		
		Parcel Number	11-25-21-0000-00600-0020, 11-25-21-0000-00600-0030, 11-25-21-0000-00600-0031, 12-25-21-0000-00800-0010, 12-25-21-0000-00800-0000			11-25-21-0000-02700-0030, 12-25-21-0000-00900-0030		
		Parcel Owner	WILLIAM M & ELAINE ANN CHRISTIAN, JAMISON S WILLIAMS, KRYSTA D WORRELL, DEVIN & KAYLA HEIMES, LLOYD & MARGRET WICKETT			HENRY L WICKETT SR & LLOYD A & MARGARET WICKETT		
		Parcel Size (Acres)	10.00 + 8.96 + 1.04 = 20.00			30.00 + 20.13 = 50.13		
		Right-of-way Required (Acres)	6.09 + 6.46 + 0.58 =13.13			11.20 + 1.77 = 12.97		
1	3	Right-of-Way Costs (includes: Zoning)	2	6	$423,900	2	6	$464,200
2	1	Number of Parcels Impacted	2	2	3 Parcels	2	2	2 Parcels
3	1	Partial or Whole Parcel Take	1	1	Whole Parcels and Partial Parcels	1	1	Whole Parcels
4	1	Long-term Maintenance Costs	3	3	2 Ponds	1	1	1 Pond
5	1	Safety	1	1	Set away from roadway	1	1	Set away from roadway
6	3	Displacements/Mitigation	0	0	None	0	0	None
7	3	Contamination and Hazardous Materials	0	0	None	0	0	None
8	2	Utilities (includes Septic Systems & Water Wells)	0	0	No known Utilities	0	0	No known Utilities
9	2	Threatened/Endangered Species	6	12	Very High (17 potential gopher tortoise burrows)	2	4	Low
10	1	Section 4(f) (Includes Archeological/Historical Sites & Cemeteries)	4	4	Moderate-Prehistoric Arch. Low-Historical Arch	2	2	Low to moderate-Prehistoric Arch. Low-Historical Arch
11	2	Wetlands and Other Environmental Factors (Includes: Mitigation Costs)	0	0	None	0	0	None
12	3	Geotechnical Issues (includes SHWT, soil type & conveyance feasibility)	1	3	SHWT 75' (900-1 east) SHWT 80.5' (900-1 west)	1	3	SHWT 85'
13	2	Existing Permits and Existing Land Use	0	0	No permits, Residential r/w take from roadway	10	20	No permits, Vacant , Future Development large tract development
14	2	Roadway Low Edge of Pavement	1	2	Sta 1345+70 , 83.0'	1	2	Sta 1345+70 , 83.0'
15	3	Constructability	2	6	200' of pipe to SMF	2	6	200' of pipe to SMF
16	1	Ground Topography	1	1	Gradual Slopes, 82' to 89'	2	2	Gradual Slopes, 80' to 107'
17	1	Sidewalks and Trails	0	0	None affected	0	0	None affected
18	1	Access Impacts to Other Parcels	0	0	No impact	0	0	No impact
19	1	Public Opinion	0	0	No public opinion to date.	0	0	No public opinion to date.
		Comments						
		Score	24	41		27	50	
		Ranking	1			2		

Comments: Scores are given from 1 to 10. Less points means better or more desired alternative. Weight of Factor determined by consensus of Pond Siting Team.

Draft

US 98
Basin 1000

Comp. By:	KJH
Date:	10/1/2021
Chk. By:	HDN
Job No:	443368-3 & 443368-4

Curve Number Calculations

Basin No: 1000
Total Area (ac): **4.02**

Station Limits 1381+33 to 1393+74
Basin Length (ft) : 1,241

Pre-Development Conditions

Total Area (ac):	4.02
Pervious Area (ac):	1.57
Impervious Area (ac):	2.45

Post-Development Conditions

Total Area (ac):	4.02
Pervious Area (ac):	1.29
Impervious Area (sidewalk) (ac):	0.45
Impervious Area (ac):	2.28 (includes roadway)

Land Use Description	Soil Group	CN	Area	CN*A
Roadway (Existing)	-	98	2.[illegible]	[illegible]4
Sidewalk (Existing)	-	98	0.[illegible]7	16.66
Open Space (Good Condition - grass cover >75%)	A	39	1.57	[illegible]3
Total Area:			[illegible]02	301.33
Total Pre Composite Curve Number:				**74.96**

Land Use Description	Soil Group	CN	Area	CN*A
Sidewalk	-	98	0.45	44.10
Open Space (Good Condition - grass cover >75%)	A	39	1.30	50.70
Required Treatment				
Roadway (Proposed)		98	2.28	223.44
Pond @ NWL		100		0.00
Total Area:			4.02	318.24
Total Post Composite Curve Number:				**79.16**

Draft

NOTES:

1. Existing roadway impervious = 2.28 Acres
   Proposed roadway impervious = 2.28 Acres
   Net decrease in roadway impervious (post minus pre)= 0.00 Acres
   Therefore, no pond is required for basin 1000 as there is a net decrease in roadway impervious area.

US 98
Basin 300 South

FLOODPLAIN COMENSATION MATRIX

Comp. By	KJH
Date:	10/1/2021
Chk. By:	HDN

Item #	Weight of Factor	Factor	ALTERNATIVE 1 Score	ALTERNATIVE 1 Weighted Score	ALTERNATIVE 1 Notes	ALTERNATIVE 2 Score	ALTERNATIVE 2 Weighted Score	ALTERNATIVE 2 Notes
	1-10		1-10			1-10		
		Alternative Number (Pond ID)	FPC 300-SOUTH-01			FPC 300-SOUTH-02		
		Brief Description of Alternative	FLOODPLAIN COMPENSATION			FLOODPLAIN COMPENSATION		
		Parcel Number	29-25-22-0000-00100-0010			29-25-22-0000-00100-0020, 20-25-22-0000-01200-0021		
		Parcel Owner	JAY STOLTZFUS			DAVE & CHRISTY KNOX		
		Parcel Size (Acres)	50.43			24.48 + 2.79 = 27.27		
		Right-of-way Required (Acres)	37.27			21 + 2.79 = 23.79		
1	3	Right-of-Way Costs (Includes: Zoning)	12	12	$1,817,400 (included with SMF 300-1)	10	30	$5,051,100 (included with SMF 300-2)
2	1	Number of Parcels Impacted	1	1	1 Parcel	2	2	2 Parcels
3	1	Partial or Whole Parcel Take	1	1	Whole Parcel	2	2	Whole Parcel
4	1	Long-term Maintenance Costs	1	1	1 Floodplain compensation area	1	1	1 Floodplain compensation area
5	1	Safety	1	1	Set away from roadway	1	1	Set away from roadway
6	3	Floodplain Impacts/Mitigation	0	0	It is Floodplain compensation	0	0	It is Floodplain compensation
7	3	Contamination and Hazardous Materials	0	0	None	0	0	None
8	2	Utilities (includes Septic Systems & Water Wells)	0	0	No known Utilities	0	0	No known Utilities
9	2	Threatened/Endangered Species	5	10	Moderate (wood stork, FL sandhill crane, state listed wading birds)	3	6	Low
10	1	Section 4(f) (Includes Archeological & Historical Sites & Cemeteries)	5	5	High-Prehistoric Arch. Low-Historical Arch	3	3	Low to moderate-Prehistoric Arch. Low-Historical Arch
11	2	Wetlands and Other Environmental Factors (Includes: Mitigation Costs)	5	10	Surface Water impact (0.49 acres)	5	10	None
12	3	Geotechnical Issues (includes SHWT, soil type & conveyance feasibility)	1	3	SHWT 78'	1	3	SHWT 78'
13	2	Existing Permitted and Existing Land Use	0	0	No permits, Vacant	0	0	No permits, Vacant
14	2	Roadway Low Edge of Pavement	1	2	Sta 1130+00 , 89.0'	1	2	Sta 1130+00 , 89.0'
15	3	Constructability	0	0		0	0	
16	1	Ground Topography	1	1	very flat, 79' to 96'	6	6	gradual slopes, 77' to 83'
17	1	Sidewalks and Trails	0	0	None affected	0	0	None affected
18	1	Access Impacts to Other Parcels	0	0	No impact	0	0	No impact
19	1	Public Opinion	0	0	No public opinion to date.	0	0	No public opinion to date.
		Comments						
		Score	26	47		35	66	
		Ranking	1			2		

Comments: Scores are given from 1 to 10. Less points means better or more desired alternative. Weight of Factor determined by consensus of Pond Siting Team.

Draft

US 98
Basin 300 North
FLOODPLAIN COMENSATION MATRIX

Comp. By	KJH
Date:	10/1/2021
Chk. By:	HDN

Item #	Weight of Factor	Factor	ALTERNATIVE 1 Score	ALTERNATIVE 1 Weighted Score	ALTERNATIVE 1 Notes	ALTERNATIVE 2 Score	ALTERNATIVE 2 Weighted Score	ALTERNATIVE 2 Notes
	1-10		1-10			1-10		
		Alternative Number (Pond ID)	FPC 300-NORTH-01			FPC 300-NORTH-02		
		Brief Description of Alternative	FLOODPLAIN COMPENSATION			FLOODPLAIN COMPENSATION		
		Parcel Number	20-25-22-0000-01600-0000			20-25-22-0000-01400-0000		
		Parcel Owner	JAMES BRADFORD STARLING			DANIEL D & SUZANNE C SCHWITALLA		
		Parcel Size (Acres)	17.67			33.03		
		Right-of-way Required (Acres)	10.45			9.93		
1	3	Right-of-Way Costs (Includes: Zoning)	4	12	$485,200	4	12	$563,100
2	1	Number of Parcels Impacted	1	1	1 Parcel	1	1	1 Parcel
3	1	Partial or Whole Parcel Take	1	1	Partial Parcel	1	1	Partial Parcel
4	1	Long-term Maintenance Costs	1	1	1 Floodplain compensation area	1	1	1 Floodplain compensation area
5	1	Safety	1	1	Set away from roadway	1	1	Set away from roadway
6	3	Floodplain Impacts/Mitigation	0	0	It is Floodplain compensation	0	0	It is Floodplain compensation
7	3	Contamination and Hazardous M	0	0	None	0	0	None
8	2	Utilities (includes Septic Syste & Wa er We	0	0	No known Utilities	0	0	No known Utilities
9	2	Threatened/Endangered Specie	10	20	Moderate-(1 potential gopher tortoise burrow, wood stork, FL sandhill crane, state-listed wading birds)	10	20	Moderate-(1 potential gopher tortoise burrow, wood stork, FL sandhill crane, state-listed wading birds)
10	1	Section 4(f) (Includes Archeo l/Historical Sites & Cemeteries)	4	4	Moderate-Prehistoric Arch. Low-Historical Arch	4	4	Moderate-Prehistoric Arch. Low-Historical Arch
11	2	Wetlands Other Env mental Factors (Include Mitigation Costs)	10	20	None	10	20	None
12	3	Geote ical Issues (includes WT, soil type & conve feasibility)	1	3	SHWT 80'	1	3	SHWT 80'
13	2	Existing Pe and Existing nd Use	0	0	No permits, Residential	0	0	No permits, Residential
14	2	Roadway Low Ed f Pav ent	1	2	Sta 1130+00 , 89.0'	1	2	Sta 1130+00 , 89.0'
15	3	Constructability	0	0		1	3	Further away from roadway
16	1	Ground Topography	1	1	Gradual Slopes, 80' to 90'	1	1	Gradual Slopes, 80' to 87'
17	1	Sidewalks and Trails	0	0	None affected	0	0	None affected
18	1	Access Impacts to Other Parcels	0	0	No impact	0	0	No impact
19	1	Public Opinion	0	0	No public opinion to date.	0	0	No public opinion to date.
		Comments						
		Score	35	66		36	69	
		Ranking	1			2		

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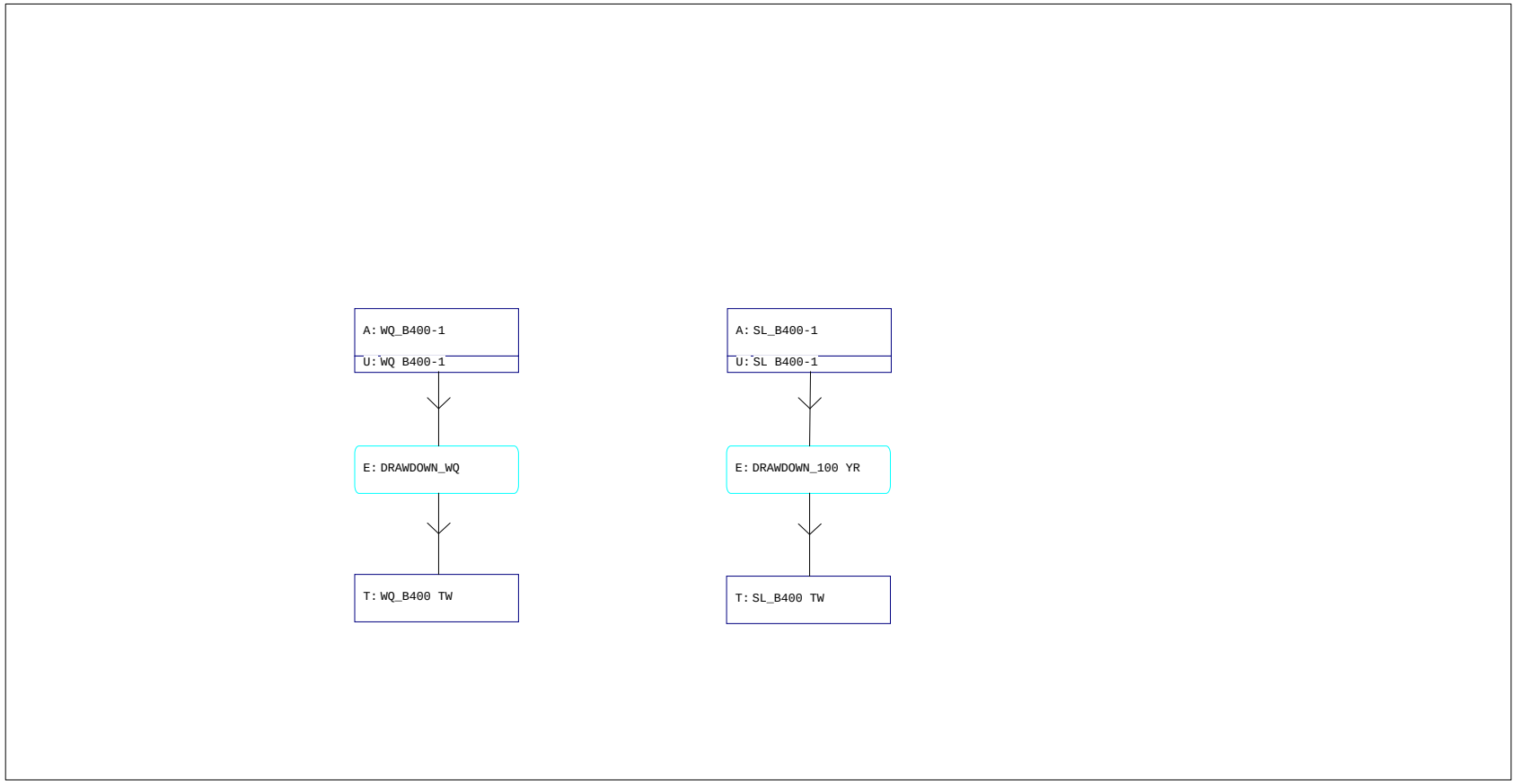
Comments: Scores are given from 1 to 10. Less points means better or more desired alternative. Weight of Factor determined by consensus of Pond Siting Team.

Nodes
A Stage/Area
V Stage/Volume
T Time/Stage
M Manhole

Basins
O Overland Flow
U SCS Unit CN
S SBUH CN
Y SCS Unit GA
Z SBUH GA

Links
P Pipe
W Weir
C Channel
D Drop Structure
B Bridge
R Rating Curve
H Breach
E Percolation
F Filter
X Exfil Trench



Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

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================================================================================
==== Basins ====================================================================
================================================================================

         Name: SL B400-1               Node: SL_B400-1             Status: Onsite
        Group: PERC                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 10.00
              Area(ac): 0.001                 Time Shift(hrs): 0.00
          Curve Number: 68.97             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------------------
         Name: WQ B400-1               Node: WQ_B400-1             Status: Onsite
        Group: PERC                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 25 .0
          Rainfall File:                  Storm Duration(hrs):  .0
    Rainfall Amount(in): 0.000              Time of Conc( in):
              Area(ac): 0.001                 Time Shif rs): 0.00
          Curve Number: 68.97             Max Allowable Q fs) 999999.
               DCIA(%): 0.00


================================================================================
==== Nodes =====================================================================
================================================================================

      Name: SL_B400 TW          Base Flow(cfs): 0.000          nit  e(ft): 118.000
     Group: PERC                                              Warn S age(ft): 118.000
      Type: Time/Stage



      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00         118.000
         725.00         118.000

--------------------------------------------------------------------------------
      Name: SL_B400-1           Base  ow(cfs): 0.000          Init Stage(ft): 123.990
     Group: PERC                                             Warn Stage(ft): 125.000
      Type: Stage/Area

This is for Slug Load Cals

      Stage(ft)        Area(ac)
--------------- ---------------
        118.000           0.4800
        124.000           0.8600
        125.000           0.9400

--------------------------------------------------------------------------------
      Name: WQ_B400 TW          Base Flow(cfs): 0.000          Init Stage(ft): 118.000
     Group: PERC                                             Warn Stage(ft): 118.000
      Type: Time/Stage



      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00         118.000
         100.00         118.000

--------------------------------------------------------------------------------
      Name: WQ_B400-1           Base Flow(cfs): 0.000          Init Stage(ft): 118.150
     Group: PERC                                             Warn Stage(ft): 125.000
      Type: Stage/Area
```

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This is for water quality Cals

Stage(ft)	Area(ac)
118.000	0.4800
124.000	0.8600
125.000	0.9400

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==== Percolation Links ====
==========

Name: DRAWDOWN_100 YR From Node: SL_B400-1 Flow: Both
Group: PERC To Node: SL_B400 TW Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 104.000 Perimeter 1(ft): 917.000
Water Table Elev(ft): 114.000 Perimeter 2(ft): 1231.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 4058.000
Horiz Conductivity(ft/day): 12.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 12.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 4.000

P-1 = perimeter of Pond 400 at water quality elevation.
P-2 = perimeter of Pond 400 at 50' from water quality elevation.
P-3 = perimeter of Pond 400 at 500' from water quality elevation.
Layer thickness = Pond Bottom Ele. - Water Table Ele. = 118-114 = 4.0
Aquifer Base Ele. - Assume 10' below WT
Vert/Horz Conductivity = 12 (Web Soil Survey, Lake Fine Sand, No 32), 6-20 in/hr (12-40 ft/day)

Name: DRAWDOWN_WQ From Node: WQ_B400-1 Flow: Both
Group: PERC To Node: WQ_B400 TW Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 104.000 Perimeter 1(ft): 770.000
Water Table Elev(ft): 114.000 Perimeter 2(ft): 1084.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 3911.000
Horiz Conductivity(ft/day): 12.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 12.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 3.000

P-1 = perimeter of Pond 400 at water quality elevation.
P-2 = perimeter of Pond 400 at 50' from water quality elevation.
P-3 = perimeter of Pond 400 at 500' from water quality elevation.
Layer thickness = Pond Bottom Ele. - Water Table Ele. = 118-114 = 4.0
Aquifer Base Ele. - Assume 10' below WT
Vert/Horz Conductivity = 12 (Web Soil Survey, Lake Fine Sand, No 32), 6-20 in/hr (12-40 ft/day)

==========
==== Hydrology Simulations ====
==========

Name: DRAWDOWN
Filename: C:\Users\Hamms\Desktop\US 98\ICPR Files\DRAWDOWN.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Fdot-24
Rainfall Amount(in): 0.01

Time(hrs)	Print Inc(min)
725.000	10.00

==========
==== Routing Simulations ====

Draft

==========

Name: DRAWDOWN Hydrology Sim:
Filename: C:\Users\Hamms\Desktop\US 98\ICPR Files\DRAWDOWN.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 725.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
725.000	60.000

Group	Run
PERC	Yes

Draft

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	SL_B400-1	PERC	0.00	123.990	125.000	37434	0.000	0.000	0.0	0.0
DRAWDOWN	SL_B400-1	PERC	1.01	123.488	125.000	36049	0.000	5.007	0.0	0.2
DRAWDOWN	SL_B400-1	PERC	2.01	122.988	125.000	34670	0.000	4.815	0.0	0.6
DRAWDOWN	SL_B400-1	PERC	3.01	122.536	125.000	33423	0.000	2.567	0.0	0.9
DRAWDOWN	SL_B400-1	PERC	4.01	122.340	125.000	32882	0.000	1.383	0.0	1.1
DRAWDOWN	SL_B400-1	PERC	5.00	122.209	125.000	32521	0.000	1.043	0.0	1.2
DRAWDOWN	SL_B400-1	PERC	6.00	122.104	125.000	32230	0.000	0.865	0.0	1.3
DRAWDOWN	SL_B400-1	PERC	7.00	122.014	125.000	31981	0.000	0.751	0.0	1.3
DRAWDOWN	SL_B400-1	PERC	8.00	121.933	125.000	31760	0.000	0.670	0.0	1.4
DRAWDOWN	SL_B400-1	PERC	9.00	121.861	125.000	31560	0.000	0.609	0.0	1.4
DRAWDOWN	SL_B400-1	PERC	10.00	121.794	125.000	31375	0.000	0.561	0.0	1.5
DRAWDOWN	SL_B400-1	PERC	11.00	121.732	125.000	31204	0.000	0.521	0.0	1.5
DRAWDOWN	SL_B400-1	PERC	12.00	121.673	125.000	31043	0.000	0.488	0.0	1.6
DRAWDOWN	SL_B400-1	PERC	13.00	121.618	125.000	30891	0.000	0.460	0.0	1.6
DRAWDOWN	SL_B400-1	PERC	14.00	121.566	125.000	30746	0.000	0.436	0.0	1.7
DRAWDOWN	SL_B400-1	PERC	15.00	121.516	125.000	30609	0.000	0.415	0.0	1.7
DRAWDOWN	SL_B400-1	PERC	16.00	121.468	125.000	30477	0.000	0.396	0.0	1.7
DRAWDOWN	SL_B400-1	PERC	17.00	121.422	125.000	30351	0.000	0.379	0.0	1.8
DRAWDOWN	SL_B400-1	PERC	18.00	121.378	125.000	30229	0.000	0.364	0.0	1.8
DRAWDOWN	SL_B400-1	PERC	19.00	121.336	125.000	30111	0.000	0.350	0.0	1.8
DRAWDOWN	SL_B400-1	PERC	20.00	121.295	125.000	29998	0.000	0.337	0.0	1.8
DRAWDOWN	SL_B400-1	PERC	21.00	121.255	125.000	29888	0.000	0.325	0.0	1.9
DRAWDOWN	SL_B400-1	PERC	22.00	121.216	125.000	29782	0.000	0.315	0.0	1.9
DRAWDOWN	SL_B400-1	PERC	23.00	121.179	125.000	29678	0.000	0.305	0.0	1.9
DRAWDOWN	SL_B400-1	PERC	24.00	121.142	125.000	29577	0.000	0.296	0.0	1.9
DRAWDOWN	SL_B400-1	PERC	25.00	121.107	125.000	29480	0.000	0.287	0.0	2.0
DRAWDOWN	SL_B400-1	PERC	26.00	121.072	125.000	29384	0.000	0.279	0.0	2.0
DRAWDOWN	SL_B400-1	PERC	27.00	121.038	125.000	29291	0.000	0.271	0.0	2.0
DRAWDOWN	SL_B400-1	PERC	28.00	121.005	125.000	29200	0.000	0.264	0.0	2.0
DRAWDOWN	SL_B400-1	PERC	29.00	120.973	125.000	29111	0.000	0.258	0.0	2.1
DRAWDOWN	SL_B400-1	PERC	30.00	120.942	125.000	29024	0.000	0.251	0.0	2.1
DRAWDOWN	SL_B400-1	PERC	31.00	120.911	125.000	28939	0.000	0.245	0.0	2.1
DRAWDOWN	SL_B400-1	PERC	32.00	120.880	125.000	28856	0.000	0.240	0.0	2.1
DRAWDOWN	SL_B400-1	PERC	33.00	120.851	125.000	28774	0.000	0.234	0.0	2.1
DRAWDOWN	SL_B400-1	PERC	34.00	120.822	125.000	28694	0.000	0.229	0.0	2.2
DRAWDOWN	SL_B400-1	PERC	35.00	120.793	125.000	28615	0.000	0.224	0.0	2.2
DRAWDOWN	SL_B400-1	PERC	36.00	120.765	125.000	28538	0.000	0.219	0.0	2.2
DRAWDOWN	SL_B400-1	PERC	37.00	120.738	125.000	28463	0.000	0.215	0.0	2.2
DRAWDOWN	SL_B400-1	PERC	38.00	120.711	125.000	28388	0.000	0.210	0.0	2.2
DRAWDOWN	SL_B400-1	PERC	39.00	120.685	125.000	28315	0.000	0.206	0.0	2.2
DRAWDOWN	SL_B400-1	PERC	40.00	120.659	125.000	28244	0.000	0.202	0.0	2.3
DRAWDOWN	SL_B400-1	PERC	41.00	120.633	125.000	28173	0.000	0.198	0.0	2.3
DRAWDOWN	SL_B400-1	PERC	42.00	120.608	125.000	28104	0.000	0.195	0.0	2.3
DRAWDOWN	SL_B400-1	PERC	43.00	120.583	125.000	28035	0.000	0.191	0.0	2.3
DRAWDOWN	SL_B400-1	PERC	44.00	120.559	125.000	27968	0.000	0.188	0.0	2.3
DRAWDOWN	SL_B400-1	PERC	45.00	120.535	125.000	27902	0.000	0.184	0.0	2.3
DRAWDOWN	SL_B400-1	PERC	46.00	120.511	125.000	27837	0.000	0.181	0.0	2.4
DRAWDOWN	SL_B400-1	PERC	47.00	120.488	125.000	27773	0.000	0.178	0.0	2.4
DRAWDOWN	SL_B400-1	PERC	48.00	120.465	125.000	27710	0.000	0.175	0.0	2.4
DRAWDOWN	SL_B400-1	PERC	49.00	120.443	125.000	27647	0.000	0.172	0.0	2.4
DRAWDOWN	SL_B400-1	PERC	50.00	120.420	125.000	27586	0.000	0.169	0.0	2.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	51.00	120.398	125.000	27526	0.000	0.166	0.0	2.4
DRAWDOWN	SL_B400-1	PERC	52.00	120.377	125.000	27466	0.000	0.164	0.0	2.4
DRAWDOWN	SL_B400-1	PERC	53.00	120.355	125.000	27407	0.000	0.161	0.0	2.5
DRAWDOWN	SL_B400-1	PERC	54.00	120.334	125.000	27349	0.000	0.159	0.0	2.5
DRAWDOWN	SL_B400-1	PERC	55.00	120.314	125.000	27292	0.000	0.156	0.0	2.5
DRAWDOWN	SL_B400-1	PERC	56.00	120.293	125.000	27235	0.000	0.154	0.0	2.5
DRAWDOWN	SL_B400-1	PERC	57.00	120.273	125.000	27180	0.000	0.152	0.0	2.5
DRAWDOWN	SL_B400-1	PERC	58.00	120.253	125.000	27125	0.000	0.149	0.0	2.5
DRAWDOWN	SL_B400-1	PERC	59.00	120.233	125.000	27070	0.000	0.147	0.0	2.5
DRAWDOWN	SL_B400-1	PERC	60.00	120.214	125.000	27017	0.000	0.145	0.0	2.5
DRAWDOWN	SL_B400-1	PERC	61.00	120.195	125.000	26964	0.000	0.143	0.0	2.6
DRAWDOWN	SL_B400-1	PERC	62.00	120.176	125.000	26911	0.000	0.141	0.0	2.6
DRAWDOWN	SL_B400-1	PERC	63.00	120.157	125.000	26860	0.000	0.139	0.0	2.6
DRAWDOWN	SL_B400-1	PERC	64.00	120.139	125.000	26809	0.000	0.137	0.0	2.6
DRAWDOWN	SL_B400-1	PERC	65.00	120.120	125.000	26758	0.000	0.135	0.0	2.6
DRAWDOWN	SL_B400-1	PERC	66.00	120.102	125.000	26708	0.000	0.133	0.0	2.6
DRAWDOWN	SL_B400-1	PERC	67.00	120.084	125.000	26659	0.000	0.132	0.0	2.6
DRAWDOWN	SL_B400-1	PERC	68.00	120.067	125.000	26610	0.000	0.130	0.0	2.6
DRAWDOWN	SL_B400-1	PERC	69.00	120.049	125.000	26562	0.000	0.128	0.0	2.6
DRAWDOWN	SL_B400-1	PERC	70.00	120.032	125.000	26514	0.000	0.126	0.0	2.7
DRAWDOWN	SL_B400-1	PERC	71.00	120.015	125.000	26467	0.000	0.125	0.0	2.7
DRAWDOWN	SL_B400-1	PERC	72.00	119.998	125.000	26421	0.000	0.123	0.0	2.7
DRAWDOWN	SL_B400-1	PERC	73.00	119.981	125.000	26375	0.000	0.122	0.0	2.7
DRAWDOWN	SL_B400-1	PERC	74.00	119.965	125.000	26329	0.000	0.120	0.0	2.7
DRAWDOWN	SL_B400-1	PERC	75.00	119.948	125.000	26284	0.000	0.119	0.0	2.7
DRAWDOWN	SL_B400-1	PERC	76.00	119.932	125.000	26239	0.000	0.117	0.0	2.7
DRAWDOWN	SL_B400-1	PERC	77.00	119.916	125.000	26195	0.000	0.116	0.0	2.7
DRAWDOWN	SL_B400-1	PERC	78.00	119.900	125.000	26151	0.000	0.114	0.0	2.7
DRAWDOWN	SL_B400-1	PERC	79.00	119.885	125.000	26108	0.000	0.113	0.0	2.7
DRAWDOWN	SL_B400-1	PERC	80.00	119.869	125.000	26065	0.000	0.112	0.0	2.8
DRAWDOWN	SL_B400-1	PERC	81.00	119.854	125.000	26023	0.000	0.111	0.0	2.8
DRAWDOWN	SL_B400-1	PERC	82.00	119.839	125.000	25981	0.000	0.109	0.0	2.8
DRAWDOWN	SL_B400-1	PERC	83.00	119.823	125.000	25939	0.000	0.108	0.0	2.8
DRAWDOWN	SL_B400-1	PERC	84.00	119.809	125.000	25898	0.000	0.107	0.0	2.8
DRAWDOWN	SL_B400-1	PERC	85.00	119.794	125.000	25857	0.000	0.106	0.0	2.8
DRAWDOWN	SL_B400-1	PERC	86.00	119.779	125.000	25817	0.000	0.104	0.0	2.8
DRAWDOWN	SL_B400-1	PERC	87.00	119.765	125.000	25777	0.000	0.103	0.0	2.8
DRAWDOWN	SL_B400-1	PERC	88.00	119.750	125.000	25738	0.000	0.102	0.0	2.8
DRAWDOWN	SL_B400-1	PERC	89.00	119.736	125.000	25698	0.000	0.101	0.0	2.8
DRAWDOWN	SL_B400-1	PERC	90.00	119.722	125.000	25659	0.000	0.100	0.0	2.8
DRAWDOWN	SL_B400-1	PERC	91.00	119.708	125.000	25621	0.000	0.099	0.0	2.9
DRAWDOWN	SL_B400-1	PERC	92.00	119.694	125.000	25583	0.000	0.098	0.0	2.9
DRAWDOWN	SL_B400-1	PERC	93.00	119.680	125.000	25545	0.000	0.097	0.0	2.9
DRAWDOWN	SL_B400-1	PERC	94.00	119.667	125.000	25507	0.000	0.096	0.0	2.9
DRAWDOWN	SL_B400-1	PERC	95.00	119.653	125.000	25470	0.000	0.095	0.0	2.9
DRAWDOWN	SL_B400-1	PERC	96.00	119.640	125.000	25433	0.000	0.094	0.0	2.9
DRAWDOWN	SL_B400-1	PERC	97.00	119.627	125.000	25397	0.000	0.093	0.0	2.9
DRAWDOWN	SL_B400-1	PERC	98.00	119.614	125.000	25361	0.000	0.092	0.0	2.9
DRAWDOWN	SL_B400-1	PERC	99.00	119.601	125.000	25325	0.000	0.091	0.0	2.9
DRAWDOWN	SL_B400-1	PERC	100.00	119.588	125.000	25289	0.000	0.090	0.0	2.9
DRAWDOWN	SL_B400-1	PERC	101.00	119.575	125.000	25254	0.000	0.089	0.0	2.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	102.00	119.562	125.000	25219	0.000	0.089	0.0	2.9
DRAWDOWN	SL_B400-1	PERC	103.00	119.550	125.000	25184	0.000	0.088	0.0	2.9
DRAWDOWN	SL_B400-1	PERC	104.00	119.537	125.000	25149	0.000	0.087	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	105.00	119.525	125.000	25115	0.000	0.086	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	106.00	119.512	125.000	25081	0.000	0.085	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	107.00	119.500	125.000	25048	0.000	0.085	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	108.00	119.488	125.000	25014	0.000	0.084	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	109.00	119.476	125.000	24981	0.000	0.083	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	110.00	119.464	125.000	24948	0.000	0.082	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	111.00	119.452	125.000	24916	0.000	0.081	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	112.00	119.441	125.000	24883	0.000	0.081	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	113.00	119.429	125.000	24851	0.000	0.080	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	114.00	119.417	125.000	24819	0.000	0.079	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	115.00	119.406	125.000	24788	0.000	0.079	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	116.00	119.395	125.000	24756	0.000	0.078	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	117.00	119.383	125.000	24725	0.000	0.077	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	118.00	119.372	125.000	24694	0.000	0.077	0.0	3.0
DRAWDOWN	SL_B400-1	PERC	119.00	119.361	125.000	24664	0.000	0.076	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	120.00	119.350	125.000	24633	0.000	0.075	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	121.00	119.339	125.000	24603	0.000	0.075	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	122.00	119.328	125.000	24573	0.000	0.074	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	123.00	119.317	125.000	24543	0.000	0.074	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	124.00	119.306	125.000	24513	0.000	0.073	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	125.00	119.296	125.000	24484	0.000	0.072	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	126.00	119.285	125.000	24454	0.000	0.072	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	127.00	119.275	125.000	24425	0.000	0.071	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	128.00	119.264	125.000	24397	0.000	0.071	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	129.00	119.254	125.000	24368	0.000	0.070	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	130.00	119.244	125.000	24339	0.000	0.070	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	131.00	119.233	125.000	24311	0.000	0.069	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	132.00	119.223	125.000	24283	0.000	0.068	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	133.00	119.213	125.000	24255	0.000	0.068	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	134.00	119.203	125.000	24227	0.000	0.067	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	135.00	119.193	125.000	24200	0.000	0.067	0.0	3.1
DRAWDOWN	SL_B400-1	PERC	136.00	119.183	125.000	24172	0.000	0.066	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	137.00	119.173	125.000	24145	0.000	0.066	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	138.00	119.163	125.000	24118	0.000	0.065	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	139.00	119.154	125.000	24091	0.000	0.065	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	140.00	119.144	125.000	24065	0.000	0.064	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	141.00	119.134	125.000	24038	0.000	0.064	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	142.00	119.125	125.000	24012	0.000	0.064	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	143.00	119.115	125.000	23985	0.000	0.063	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	144.00	119.106	125.000	23959	0.000	0.063	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	145.00	119.096	125.000	23934	0.000	0.062	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	146.00	119.087	125.000	23908	0.000	0.062	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	147.00	119.078	125.000	23882	0.000	0.061	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	148.00	119.069	125.000	23857	0.000	0.061	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	149.00	119.059	125.000	23831	0.000	0.061	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	150.00	119.050	125.000	23806	0.000	0.060	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	151.00	119.041	125.000	23781	0.000	0.060	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	152.00	119.032	125.000	23756	0.000	0.059	0.0	3.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	153.00	119.023	125.000	23732	0.000	0.059	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	154.00	119.014	125.000	23707	0.000	0.058	0.0	3.2
DRAWDOWN	SL_B400-1	PERC	155.00	119.005	125.000	23683	0.000	0.058	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	156.00	118.997	125.000	23658	0.000	0.058	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	157.00	118.988	125.000	23634	0.000	0.057	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	158.00	118.979	125.000	23610	0.000	0.057	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	159.00	118.971	125.000	23586	0.000	0.057	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	160.00	118.962	125.000	23563	0.000	0.056	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	161.00	118.953	125.000	23539	0.000	0.056	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	162.00	118.945	125.000	23515	0.000	0.056	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	163.00	118.936	125.000	23492	0.000	0.055	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	164.00	118.928	125.000	23469	0.000	0.055	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	165.00	118.920	125.000	23446	0.000	0.054	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	166.00	118.911	125.000	23423	0.000	0.054	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	167.00	118.903	125.000	23400	0.000	0.054	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	168.00	118.895	125.000	23377	0.000	0.053	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	169.00	118.886	125.000	23354	0.000	0.053	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	170.00	118.878	125.000	23332	0.000	0.053	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	171.00	118.870	125.000	23309	0.000	0.052	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	172.00	118.862	125.000	23287	0.000	0.052	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	173.00	118.854	125.000	23265	0.000	0.052	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	174.00	118.846	125.000	23243	0.000	0.052	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	175.00	118.838	125.000	23221	0.000	0.051	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	176.00	118.830	125.000	23199	0.000	0.051	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	177.00	118.822	125.000	23177	0.000	0.051	0.0	3.3
DRAWDOWN	SL_B400-1	PERC	178.00	118.814	125.000	23156	0.000	0.050	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	179.00	118.807	125.000	23134	0.000	0.050	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	180.00	118.799	125.000	23113	0.000	0.050	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	181.00	118.791	125.000	23091	0.000	0.049	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	182.00	118.783	125.000	23070	0.000	0.049	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	183.00	118.776	125.000	23049	0.000	0.049	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	184.00	118.768	125.000	23028	0.000	0.049	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	185.00	118.761	125.000	23007	0.000	0.048	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	186.00	118.753	125.000	22986	0.000	0.048	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	187.00	118.745	125.000	22965	0.000	0.048	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	188.00	118.738	125.000	22945	0.000	0.048	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	189.00	118.731	125.000	22924	0.000	0.047	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	190.00	118.723	125.000	22904	0.000	0.047	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	191.00	118.716	125.000	22884	0.000	0.047	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	192.00	118.708	125.000	22863	0.000	0.047	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	193.00	118.701	125.000	22843	0.000	0.046	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	194.00	118.694	125.000	22823	0.000	0.046	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	195.00	118.687	125.000	22803	0.000	0.046	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	196.00	118.679	125.000	22783	0.000	0.046	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	197.00	118.672	125.000	22763	0.000	0.045	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	198.00	118.665	125.000	22744	0.000	0.045	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	199.00	118.658	125.000	22724	0.000	0.045	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	200.00	118.651	125.000	22705	0.000	0.045	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	201.00	118.644	125.000	22685	0.000	0.044	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	202.00	118.637	125.000	22666	0.000	0.044	0.0	3.4
DRAWDOWN	SL_B400-1	PERC	203.00	118.630	125.000	22646	0.000	0.044	0.0	3.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	204.00	118.623	125.000	22627	0.000	0.044	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	205.00	118.616	125.000	22608	0.000	0.043	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	206.00	118.609	125.000	22589	0.000	0.043	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	207.00	118.602	125.000	22570	0.000	0.043	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	208.00	118.595	125.000	22551	0.000	0.043	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	209.00	118.589	125.000	22533	0.000	0.043	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	210.00	118.582	125.000	22514	0.000	0.042	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	211.00	118.575	125.000	22495	0.000	0.042	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	212.00	118.568	125.000	22477	0.000	0.042	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	213.00	118.562	125.000	22458	0.000	0.042	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	214.00	118.555	125.000	22440	0.000	0.041	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	215.00	118.548	125.000	22421	0.000	0.041	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	216.00	118.542	125.000	22403	0.000	0.041	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	217.00	118.535	125.000	22385	0.000	0.041	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	218.00	118.529	125.000	22367	0.000	0.041	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	219.00	118.522	125.000	22349	0.000	0.040	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	220.00	118.515	125.000	22331	0.000	0.040	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	221.00	118.509	125.000	22313	0.000	0.040	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	222.00	118.503	125.000	22295	0.000	0.040	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	223.00	118.496	125.000	22278	0.000	0.040	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	224.00	118.490	125.000	22260	0.000	0.040	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	225.00	118.483	125.000	22242	0.000	0.039	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	226.00	118.477	125.000	22225	0.000	0.039	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	227.00	118.471	125.000	22207	0.000	0.039	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	228.00	118.464	125.000	22190	0.000	0.039	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	229.00	118.458	125.000	22173	0.000	0.039	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	230.00	118.452	125.000	22155	0.000	0.038	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	231.00	118.446	125.000	22138	0.000	0.038	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	232.00	118.439	125.000	22121	0.000	0.038	0.0	3.5
DRAWDOWN	SL_B400-1	PERC	233.00	118.433	125.000	22104	0.000	0.038	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	234.00	118.427	125.000	22087	0.000	0.038	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	235.00	118.421	125.000	22070	0.000	0.038	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	236.00	118.415	125.000	22053	0.000	0.037	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	237.00	118.409	125.000	22036	0.000	0.037	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	238.00	118.403	125.000	22020	0.000	0.037	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	239.00	118.397	125.000	22003	0.000	0.037	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	240.00	118.391	125.000	21986	0.000	0.037	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	241.00	118.385	125.000	21970	0.000	0.037	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	242.00	118.379	125.000	21953	0.000	0.036	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	243.00	118.373	125.000	21937	0.000	0.036	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	244.00	118.367	125.000	21920	0.000	0.036	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	245.00	118.361	125.000	21904	0.000	0.036	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	246.00	118.355	125.000	21888	0.000	0.036	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	247.00	118.349	125.000	21872	0.000	0.036	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	248.00	118.343	125.000	21856	0.000	0.035	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	249.00	118.337	125.000	21840	0.000	0.035	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	250.00	118.332	125.000	21823	0.000	0.035	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	251.00	118.326	125.000	21808	0.000	0.035	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	252.00	118.320	125.000	21792	0.000	0.035	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	253.00	118.314	125.000	21776	0.000	0.035	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	254.00	118.309	125.000	21760	0.000	0.035	0.0	3.6

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	255.00	118.303	125.000	21744	0.000	0.034	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	256.00	118.297	125.000	21729	0.000	0.034	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	257.00	118.291	125.000	21713	0.000	0.034	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	258.00	118.286	125.000	21697	0.000	0.034	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	259.00	118.280	125.000	21682	0.000	0.034	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	260.00	118.275	125.000	21666	0.000	0.034	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	261.00	118.269	125.000	21651	0.000	0.034	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	262.00	118.263	125.000	21636	0.000	0.033	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	263.00	118.258	125.000	21620	0.000	0.033	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	264.00	118.252	125.000	21605	0.000	0.033	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	265.00	118.247	125.000	21590	0.000	0.033	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	266.00	118.241	125.000	21575	0.000	0.033	0.0	3.6
DRAWDOWN	SL_B400-1	PERC	267.00	118.236	125.000	21560	0.000	0.033	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	268.00	118.230	125.000	21545	0.000	0.033	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	269.00	118.225	125.000	21530	0.000	0.032	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	270.00	118.220	125.000	21515	0.000	0.032	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	271.00	118.214	125.000	21500	0.000	0.032	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	272.00	118.209	125.000	21485	0.000	0.032	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	273.00	118.203	125.000	21470	0.000	0.032	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	274.00	118.198	125.000	21455	0.000	0.032	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	275.00	118.193	125.000	21441	0.000	0.032	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	276.00	118.187	125.000	21426	0.000	0.032	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	277.00	118.182	125.000	21411	0.000	0.031	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	278.00	118.177	125.000	21397	0.000	0.031	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	279.00	118.172	125.000	21382	0.000	0.031	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	280.00	118.166	125.000	21368	0.000	0.031	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	281.00	118.161	125.000	21353	0.000	0.031	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	282.00	118.156	125.000	21339	0.000	0.031	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	283.00	118.151	125.000	21325	0.000	0.031	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	284.00	118.146	125.000	21310	0.000	0.031	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	285.00	118.140	125.000	21296	0.000	0.030	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	286.00	118.135	125.000	21282	0.000	0.030	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	287.00	118.130	125.000	21268	0.000	0.030	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	288.00	118.125	125.000	21254	0.000	0.030	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	289.00	118.120	125.000	21240	0.000	0.030	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	290.00	118.115	125.000	21226	0.000	0.030	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	291.00	118.110	125.000	21212	0.000	0.030	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	292.00	118.105	125.000	21198	0.000	0.030	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	293.00	118.100	125.000	21184	0.000	0.030	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	294.00	118.095	125.000	21170	0.000	0.029	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	295.00	118.090	125.000	21156	0.000	0.029	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	296.00	118.085	125.000	21143	0.000	0.029	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	297.00	118.080	125.000	21129	0.000	0.029	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	298.00	118.075	125.000	21115	0.000	0.029	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	299.00	118.070	125.000	21102	0.000	0.029	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	300.00	118.065	125.000	21088	0.000	0.029	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	301.00	118.060	125.000	21074	0.000	0.029	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	302.00	118.055	125.000	21061	0.000	0.029	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	303.00	118.050	125.000	21047	0.000	0.028	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	304.00	118.045	125.000	21034	0.000	0.028	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	305.00	118.041	125.000	21021	0.000	0.028	0.0	3.7

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	306.00	118.036	125.000	21007	0.000	0.028	0.0	3.7
DRAWDOWN	SL_B400-1	PERC	307.00	118.031	125.000	20994	0.000	0.028	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	308.00	118.026	125.000	20981	0.000	0.028	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	309.00	118.021	125.000	20968	0.000	0.028	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	310.00	118.017	125.000	20954	0.000	0.028	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	311.00	118.012	125.000	20941	0.000	0.028	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	312.00	118.007	125.000	20928	0.000	0.028	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	313.00	118.002	125.000	20915	0.000	0.027	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	314.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	315.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	316.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	317.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	318.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	319.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	320.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	321.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	322.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	323.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	324.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	325.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	326.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	327.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	328.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	329.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	330.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	331.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	332.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	333.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	334.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	335.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	336.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	337.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	338.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	339.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	340.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	341.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	342.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	343.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	344.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	345.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	346.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	347.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	348.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	349.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	350.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	351.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	352.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	353.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	354.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	355.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	356.00	118.000	125.000	20909	0.000	0.000	0.0	3.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	357.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	358.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	359.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	360.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	361.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	362.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	363.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	364.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	365.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	366.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	367.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	368.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	369.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	370.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	371.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	372.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	373.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	374.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	375.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	376.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	377.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	378.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	379.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	380.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	381.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	382.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	383.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	384.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	385.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	386.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	387.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	388.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	389.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	390.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	391.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	392.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	393.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	394.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	395.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	396.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	397.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	398.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	399.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	400.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	401.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	402.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	403.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	404.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	405.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	406.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	407.00	118.000	125.000	20909	0.000	0.000	0.0	3.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	408.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	409.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	410.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	411.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	412.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	413.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	414.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	415.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	416.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	417.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	418.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	419.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	420.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	421.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	422.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	423.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	424.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	425.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	426.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	427.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	428.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	429.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	430.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	431.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	432.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	433.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	434.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	435.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	436.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	437.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	438.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	439.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	440.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	441.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	442.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	443.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	444.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	445.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	446.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	447.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	448.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	449.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	450.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	451.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	452.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	453.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	454.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	455.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	456.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	457.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	458.00	118.000	125.000	20909	0.000	0.000	0.0	3.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	459.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	460.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	461.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	462.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	463.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	464.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	465.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	466.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	467.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	468.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	469.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	470.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	471.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	472.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	473.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	474.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	475.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	476.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	477.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	478.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	479.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	480.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	481.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	482.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	483.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	484.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	485.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	486.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	487.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	488.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	489.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	490.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	491.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	492.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	493.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	494.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	495.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	496.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	497.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	498.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	499.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	500.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	501.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	502.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	503.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	504.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	505.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	506.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	507.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	508.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	509.00	118.000	125.000	20909	0.000	0.000	0.0	3.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	510.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	511.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	512.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	513.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	514.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	515.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	516.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	517.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	518.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	519.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	520.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	521.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	522.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	523.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	524.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	525.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	526.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	527.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	528.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	529.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	530.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	531.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	532.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	533.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	534.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	535.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	536.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	537.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	538.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	539.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	540.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	541.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	542.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	543.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	544.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	545.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	546.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	547.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	548.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	549.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	550.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	551.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	552.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	553.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	554.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	555.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	556.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	557.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	558.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	559.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	560.00	118.000	125.000	20909	0.000	0.000	0.0	3.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	561.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	562.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	563.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	564.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	565.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	566.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	567.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	568.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	569.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	570.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	571.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	572.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	573.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	574.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	575.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	576.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	577.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	578.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	579.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	580.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	581.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	582.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	583.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	584.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	585.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	586.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	587.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	588.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	589.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	590.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	591.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	592.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	593.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	594.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	595.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	596.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	597.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	598.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	599.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	600.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	601.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	602.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	603.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	604.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	605.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	606.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	607.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	608.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	609.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	610.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	611.00	118.000	125.000	20909	0.000	0.000	0.0	3.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	612.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	613.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	614.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	615.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	616.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	617.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	618.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	619.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	620.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	621.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	622.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	623.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	624.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	625.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	626.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	627.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	628.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	629.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	630.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	631.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	632.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	633.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	634.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	635.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	636.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	637.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	638.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	639.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	640.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	641.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	642.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	643.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	644.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	645.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	646.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	647.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	648.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	649.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	650.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	651.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	652.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	653.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	654.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	655.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	656.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	657.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	658.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	659.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	660.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	661.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	662.00	118.000	125.000	20909	0.000	0.000	0.0	3.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	663.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	664.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	665.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	666.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	667.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	668.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	669.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	670.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	671.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	672.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	673.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	674.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	675.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	676.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	677.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	678.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	679.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	680.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	681.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	682.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	683.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	684.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	685.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	686.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	687.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	688.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	689.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	690.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	691.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	692.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	693.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	694.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	695.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	696.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	697.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	698.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	699.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	700.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	701.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	702.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	703.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	704.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	705.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	706.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	707.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	708.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	709.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	710.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	711.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	712.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	713.00	118.000	125.000	20909	0.000	0.000	0.0	3.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B400-1	PERC	714.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	715.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	716.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	717.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	718.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	719.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	720.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	721.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	722.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	723.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	724.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	725.00	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	SL_B400-1	PERC	725.01	118.000	125.000	20909	0.000	0.000	0.0	3.8
DRAWDOWN	WQ_B400-1	PERC	0.00	118.150	125.000	21323	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	1.01	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	2.01	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	3.01	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	4.01	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	5.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	6.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	7.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	8.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	9.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	10.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	11.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	12.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	13.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	14.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	15.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	16.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	17.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	18.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	19.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	20.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	21.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	22.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	23.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	24.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	25.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	26.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	27.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	28.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	29.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	30.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	31.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	32.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	33.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	34.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	35.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	36.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B400-1	PERC	37.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	38.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	39.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	40.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	41.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	42.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	43.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	44.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	45.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	46.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	47.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	48.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	49.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	50.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	51.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	52.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	53.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	54.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	55.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	56.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	57.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	58.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	59.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	60.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	61.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	62.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	63.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	64.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	65.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	66.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	67.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	68.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	69.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	70.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	71.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	72.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	73.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	74.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	75.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	76.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	77.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	78.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	79.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	80.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	81.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	82.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	83.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	84.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	85.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	86.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	87.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B400-1	PERC	88.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	89.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	90.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	91.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	92.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	93.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	94.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	95.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	96.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	97.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	98.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	99.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	100.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	101.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	102.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	103.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	104.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	105.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	106.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	107.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	108.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	109.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	110.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	111.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	112.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	113.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	114.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	115.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	116.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	117.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	118.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	119.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	120.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	121.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	122.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	123.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	124.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	125.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	126.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	127.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	128.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	129.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	130.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	131.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	132.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	133.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	134.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	135.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	136.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	137.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	138.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B400-1	PERC	139.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	140.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	141.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	142.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	143.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	144.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	145.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	146.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	147.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	148.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	149.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	150.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	151.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	152.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	153.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	154.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	155.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	156.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	157.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	158.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	159.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	160.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	161.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	162.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	163.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	164.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	165.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	166.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	167.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	168.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	169.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	170.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	171.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	172.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	173.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	174.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	175.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	176.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	177.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	178.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	179.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	180.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	181.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	182.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	183.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	184.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	185.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	186.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	187.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	188.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	189.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B400-1	PERC	190.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	191.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	192.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	193.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	194.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	195.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	196.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	197.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	198.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	199.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	200.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	201.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	202.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	203.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	204.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	205.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	206.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	207.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	208.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	209.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	210.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	211.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	212.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	213.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	214.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	215.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	216.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	217.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	218.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	219.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	220.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	221.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	222.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	223.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	224.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	225.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	226.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	227.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	228.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	229.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	230.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	231.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	232.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	233.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	234.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	235.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	236.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	237.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	238.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	239.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	240.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B400-1	PERC	241.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	242.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	243.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	244.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	245.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	246.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	247.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	248.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	249.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	250.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	251.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	252.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	253.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	254.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	255.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	256.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	257.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	258.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	259.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	260.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	261.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	262.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	263.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	264.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	265.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	266.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	267.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	268.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	269.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	270.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	271.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	272.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	273.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	274.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	275.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	276.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	277.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	278.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	279.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	280.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	281.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	282.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	283.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	284.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	285.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	286.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	287.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	288.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	289.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	290.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	291.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B400-1	PERC	292.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	293.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	294.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	295.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	296.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	297.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	298.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	299.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	300.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	301.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	302.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	303.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	304.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	305.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	306.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	307.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	308.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	309.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	310.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	311.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	312.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	313.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	314.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	315.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	316.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	317.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	318.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	319.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	320.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	321.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	322.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	323.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	324.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	325.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	326.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	327.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	328.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	329.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	330.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	331.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	332.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	333.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	334.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	335.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	336.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	337.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	338.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	339.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	340.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	341.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	342.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B400-1	PERC	343.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	344.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	345.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	346.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	347.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	348.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	349.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	350.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	351.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	352.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	353.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	354.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	355.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	356.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	357.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	358.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	359.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	360.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	361.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	362.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	363.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	364.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	365.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	366.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	367.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	368.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	369.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	370.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	371.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	372.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	373.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	374.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	375.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	376.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	377.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	378.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	379.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	380.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	381.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	382.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	383.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	384.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	385.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	386.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	387.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	388.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	389.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	390.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	391.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	392.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	393.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B400-1	PERC	394.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	395.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	396.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	397.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	398.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	399.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	400.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	401.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	402.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	403.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	404.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	405.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	406.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	407.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	408.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	409.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	410.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	411.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	412.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	413.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	414.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	415.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	416.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	417.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	418.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	419.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	420.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	421.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	422.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	423.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	424.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	425.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	426.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	427.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	428.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	429.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	430.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	431.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	432.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	433.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	434.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	435.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	436.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	437.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	438.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	439.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	440.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	441.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	442.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	443.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	444.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B400-1	PERC	445.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	446.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	447.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	448.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	449.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	450.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	451.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	452.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	453.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	454.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	455.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	456.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	457.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	458.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	459.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	460.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	461.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	462.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	463.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	464.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	465.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	466.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	467.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	468.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	469.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	470.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	471.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	472.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	473.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	474.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	475.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	476.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	477.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	478.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	479.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	480.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	481.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	482.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	483.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	484.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	485.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	486.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	487.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	488.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	489.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	490.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	491.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	492.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	493.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	494.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	495.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B400-1	PERC	496.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	497.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	498.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	499.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	500.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	501.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	502.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	503.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	504.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	505.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	506.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	507.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	508.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	509.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	510.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	511.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	512.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	513.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	514.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	515.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	516.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	517.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	518.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	519.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	520.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	521.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	522.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	523.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	524.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	525.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	526.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	527.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	528.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	529.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	530.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	531.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	532.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	533.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	534.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	535.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	536.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	537.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	538.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	539.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	540.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	541.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	542.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	543.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	544.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	545.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	546.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B400-1	PERC	547.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	548.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	549.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	550.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	551.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	552.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	553.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	554.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	555.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	556.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	557.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	558.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	559.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	560.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	561.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	562.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	563.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	564.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	565.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	566.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	567.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	568.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	569.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	570.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	571.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	572.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	573.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	574.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	575.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	576.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	577.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	578.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	579.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	580.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	581.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	582.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	583.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	584.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	585.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	586.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	587.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	588.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	589.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	590.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	591.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	592.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	593.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	594.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	595.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	596.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	597.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B400-1	PERC	598.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	599.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	600.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	601.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	602.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	603.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	604.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	605.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	606.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	607.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	608.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	609.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	610.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	611.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	612.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	613.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	614.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	615.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	616.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	617.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	618.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	619.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	620.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	621.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	622.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	623.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	624.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	625.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	626.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	627.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	628.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	629.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	630.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	631.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	632.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	633.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	634.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	635.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	636.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	637.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	638.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	639.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	640.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	641.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	642.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	643.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	644.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	645.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	646.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	647.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	648.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

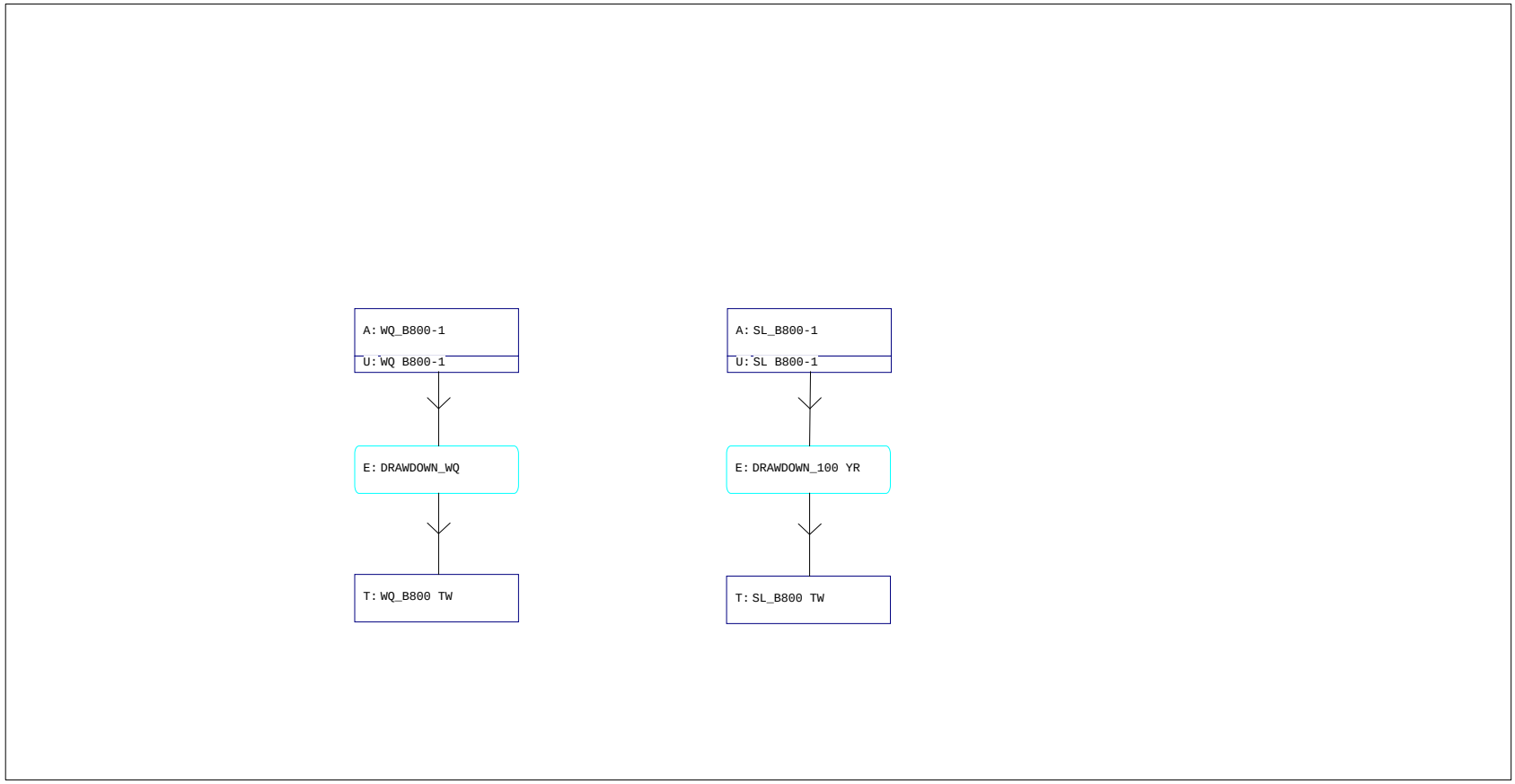
Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B400-1	PERC	649.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	650.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	651.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	652.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	653.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	654.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	655.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	656.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	657.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	658.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	659.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	660.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	661.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	662.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	663.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	664.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	665.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	666.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	667.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	668.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	669.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	670.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	671.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	672.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	673.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	674.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	675.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	676.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	677.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	678.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	679.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	680.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	681.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	682.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	683.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	684.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	685.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	686.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	687.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	688.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	689.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	690.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	691.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	692.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	693.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	694.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	695.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	696.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	697.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	698.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	699.00	118.000	125.000	20909	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B400-1	PERC	700.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	701.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	702.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	703.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	704.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	705.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	706.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	707.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	708.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	709.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	710.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	711.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	712.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	713.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	714.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	715.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	716.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	717.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	718.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	719.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	720.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	721.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	722.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	723.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	724.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	725.00	118.000	125.000	20909	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B400-1	PERC	725.01	118.000	125.000	20909	0.000	0.000	0.0	0.0

Nodes
A Stage/Area
V Stage/Volume
T Time/Stage
M Manhole

Basins
O Overland Flow
U SCS Unit CN
S SBUH CN
Y SCS Unit GA
Z SBUH GA

Links
P Pipe
W Weir
C Channel
D Drop Structure
B Bridge
R Rating Curve
H Breach
E Percolation
F Filter
X Exfil Trench



Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

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================================================================================
==== Basins ====================================================================
================================================================================

         Name: SL B800-1               Node: SL_B800-1             Status: Onsite
        Group: PERC                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 10.00
              Area(ac): 0.001                 Time Shift(hrs): 0.00
          Curve Number: 55.38             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: WQ B800-1               Node: WQ_B800-1             Status: Onsite
        Group: PERC                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 25 .0
          Rainfall File:                  Storm Duration(hrs):  .0
    Rainfall Amount(in): 0.000              Time of Conc( in):
              Area(ac): 0.001                 Time Shif rs): 0.00
          Curve Number: 55.38             Max Allowable Q fs) 999999.
               DCIA(%): 0.00


================================================================================
==== Nodes =====================================================================
================================================================================

      Name: SL_B800 TW          Base Flow(cfs): 0.000          nit  (ft): 129.000
     Group: PERC                                              Warn S age(ft): 129.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00         129.000
         725.00         129.000

----------------------------------------------------------------------------------------
      Name: SL_B800-1           Base  ow(cfs): 0.000          Init Stage(ft): 136.100
     Group: PERC                                             Warn Stage(ft): 137.000
      Type: Stage/Area

This is for Slug Load Cals

      Stage(ft)        Area(ac)
--------------- ---------------
        133.000          2.9100
        137.000          3.5200
        138.000          3.6700

----------------------------------------------------------------------------------------
      Name: WQ_B800 TW          Base Flow(cfs): 0.000          Init Stage(ft): 129.000
     Group: PERC                                             Warn Stage(ft): 129.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00         129.000
         100.00         129.000

----------------------------------------------------------------------------------------
      Name: WQ_B800-1           Base Flow(cfs): 0.000          Init Stage(ft): 133.070
     Group: PERC                                             Warn Stage(ft): 137.000
      Type: Stage/Area
```

Draft

This is for water quality Cals

Stage(ft)	Area(ac)
133.000	2.9100
137.000	3.5200
138.000	3.6700

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==== Percolation Links ====
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Name: DRAWDOWN_100 YR From Node: SL_B800-1 Flow: Both
Group: PERC To Node: SL_B800 TW Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 119.000 Perimeter 1(ft): 1770.000
Water Table Elev(ft): 129.000 Perimeter 2(ft): 2084.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 4911.000
Horiz Conductivity(ft/day): 15.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 15.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 4.000

P-1 = perimeter of Pond 800 at water quality elevation.
P-2 = perimeter of Pond 800 at 50' from water quality elevation.
P-3 = perimeter of Pond 800 at 500' from water quality elevation.
Layer thickness = Pond Bottom Ele. - Water Table Ele. = 133-129 = 4.0
Aquifer Base Ele. - Assume 10' below WT
Vert/Horz Conductivity = 15 (Web Soil Survey, Candler Fine Sane, No 13), 6-20 in/hr (12-40 ft/day)

Name: DRAWDOWN_WQ From Node: WQ_B800-1 Flow: Both
Group: PERC To Node: WQ_B800 TW Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 119.000 Perimeter 1(ft): 1694.000
Water Table Elev(ft): 129.000 Perimeter 2(ft): 2008.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 4835.000
Horiz Conductivity(ft/day): 15.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 15.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 4.000

P-1 = perimeter of Pond 800 at water quality elevation.
P-2 = perimeter of Pond 800 at 50' from water quality elevation.
P-3 = perimeter of Pond 800 at 500' from water quality elevation.
Layer thickness = Pond Bottom Ele. - Water Table Ele. = 133-129 = 4.0
Aquifer Base Ele. - Assume 10' below WT
Vert/Horz Conductivity = 15 (Web Soil Survey, Candler Fine Sane, No 13), 6-20 in/hr (12-40 ft/day)

==========
==== Hydrology Simulations ====
==========

Name: DRAWDOWN
Filename: C:\Users\Hamms\Desktop\US 98\ICPR Files\DRAWDOWN.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Fdot-24
Rainfall Amount(in): 0.01

Time(hrs)	Print Inc(min)
725.000	10.00

==========
==== Routing Simulations ====

Draft

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Name: DRAWDOWN Hydrology Sim:
Filename: C:\Users\Hamms\Desktop\US 98\ICPR Files\DRAWDOWN.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 725.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
725.000	60.000

Group	Run
PERC	Yes

Draft

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	0.00	136.100	137.000	147353	0.000	0.000	0.0	0.0
DRAWDOWN	SL_B800-1	PERC	1.00	135.476	137.000	143205	0.000	24.862	0.0	1.0
DRAWDOWN	SL_B800-1	PERC	2.01	135.023	137.000	140195	0.000	4.577	0.0	2.3
DRAWDOWN	SL_B800-1	PERC	3.02	134.946	137.000	139688	0.000	2.143	0.0	2.5
DRAWDOWN	SL_B800-1	PERC	4.02	134.899	137.000	139374	0.000	1.595	0.0	2.7
DRAWDOWN	SL_B800-1	PERC	5.02	134.862	137.000	139126	0.000	1.322	0.0	2.8
DRAWDOWN	SL_B800-1	PERC	6.02	134.830	137.000	138914	0.000	1.151	0.0	2.9
DRAWDOWN	SL_B800-1	PERC	7.02	134.801	137.000	138726	0.000	1.032	0.0	3.0
DRAWDOWN	SL_B800-1	PERC	8.02	134.776	137.000	138556	0.000	0.942	0.0	3.1
DRAWDOWN	SL_B800-1	PERC	9.02	134.752	137.000	138400	0.000	0.871	0.0	3.2
DRAWDOWN	SL_B800-1	PERC	10.02	134.730	137.000	138255	0.000	0.814	0.0	3.2
DRAWDOWN	SL_B800-1	PERC	11.02	134.710	137.000	138118	0.000	0.766	0.0	3.3
DRAWDOWN	SL_B800-1	PERC	12.02	134.690	137.000	137989	0.000	0.725	0.0	3.4
DRAWDOWN	SL_B800-1	PERC	13.02	134.672	137.000	137866	0.000	0.690	0.0	3.4
DRAWDOWN	SL_B800-1	PERC	14.02	134.654	137.000	137749	0.000	0.659	0.0	3.5
DRAWDOWN	SL_B800-1	PERC	15.02	134.637	137.000	137637	0.000	0.632	0.0	3.5
DRAWDOWN	SL_B800-1	PERC	16.02	134.621	137.000	137530	0.000	0.607	0.0	3.6
DRAWDOWN	SL_B800-1	PERC	17.02	134.606	137.000	137426	0.000	0.585	0.0	3.6
DRAWDOWN	SL_B800-1	PERC	18.02	134.591	137.000	137326	0.000	0.565	0.0	3.7
DRAWDOWN	SL_B800-1	PERC	19.02	134.576	137.000	137229	0.000	0.547	0.0	3.7
DRAWDOWN	SL_B800-1	PERC	20.02	134.562	137.000	137135	0.000	0.531	0.0	3.8
DRAWDOWN	SL_B800-1	PERC	21.02	134.548	137.000	137044	0.000	0.515	0.0	3.8
DRAWDOWN	SL_B800-1	PERC	22.02	134.535	137.000	136955	0.000	0.501	0.0	3.8
DRAWDOWN	SL_B800-1	PERC	23.02	134.522	137.000	136869	0.000	0.488	0.0	3.9
DRAWDOWN	SL_B800-1	PERC	24.02	134.509	137.000	136785	0.000	0.475	0.0	3.9
DRAWDOWN	SL_B800-1	PERC	25.02	134.497	137.000	136702	0.000	0.464	0.0	4.0
DRAWDOWN	SL_B800-1	PERC	26.02	134.485	137.000	136622	0.000	0.453	0.0	4.0
DRAWDOWN	SL_B800-1	PERC	27.02	134.473	137.000	136544	0.000	0.442	0.0	4.0
DRAWDOWN	SL_B800-1	PERC	28.02	134.461	137.000	136467	0.000	0.433	0.0	4.1
DRAWDOWN	SL_B800-1	PERC	29.02	134.450	137.000	136392	0.000	0.423	0.0	4.1
DRAWDOWN	SL_B800-1	PERC	30.02	134.439	137.000	136319	0.000	0.415	0.0	4.1
DRAWDOWN	SL_B800-1	PERC	31.02	134.428	137.000	136247	0.000	0.406	0.0	4.2
DRAWDOWN	SL_B800-1	PERC	32.02	134.418	137.000	136176	0.000	0.398	0.0	4.2
DRAWDOWN	SL_B800-1	PERC	33.02	134.407	137.000	136107	0.000	0.391	0.0	4.2
DRAWDOWN	SL_B800-1	PERC	34.02	134.397	137.000	136039	0.000	0.384	0.0	4.3
DRAWDOWN	SL_B800-1	PERC	35.02	134.387	137.000	135972	0.000	0.377	0.0	4.3
DRAWDOWN	SL_B800-1	PERC	36.02	134.377	137.000	135906	0.000	0.370	0.0	4.3
DRAWDOWN	SL_B800-1	PERC	37.02	134.367	137.000	135842	0.000	0.364	0.0	4.4
DRAWDOWN	SL_B800-1	PERC	38.02	134.358	137.000	135778	0.000	0.357	0.0	4.4
DRAWDOWN	SL_B800-1	PERC	39.02	134.348	137.000	135716	0.000	0.352	0.0	4.4
DRAWDOWN	SL_B800-1	PERC	40.02	134.339	137.000	135654	0.000	0.346	0.0	4.5
DRAWDOWN	SL_B800-1	PERC	41.02	134.330	137.000	135594	0.000	0.340	0.0	4.5
DRAWDOWN	SL_B800-1	PERC	42.02	134.321	137.000	135534	0.000	0.335	0.0	4.5
DRAWDOWN	SL_B800-1	PERC	43.02	134.312	137.000	135475	0.000	0.330	0.0	4.5
DRAWDOWN	SL_B800-1	PERC	44.02	134.303	137.000	135418	0.000	0.325	0.0	4.6
DRAWDOWN	SL_B800-1	PERC	45.02	134.295	137.000	135361	0.000	0.320	0.0	4.6
DRAWDOWN	SL_B800-1	PERC	46.02	134.286	137.000	135305	0.000	0.315	0.0	4.6
DRAWDOWN	SL_B800-1	PERC	47.02	134.278	137.000	135249	0.000	0.311	0.0	4.6
DRAWDOWN	SL_B800-1	PERC	48.02	134.270	137.000	135195	0.000	0.307	0.0	4.7
DRAWDOWN	SL_B800-1	PERC	49.02	134.262	137.000	135141	0.000	0.302	0.0	4.7
DRAWDOWN	SL_B800-1	PERC	50.02	134.254	137.000	135088	0.000	0.298	0.0	4.7

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	51.02	134.246	137.000	135035	0.000	0.294	0.0	4.7
DRAWDOWN	SL_B800-1	PERC	52.02	134.238	137.000	134983	0.000	0.290	0.0	4.8
DRAWDOWN	SL_B800-1	PERC	53.02	134.230	137.000	134932	0.000	0.287	0.0	4.8
DRAWDOWN	SL_B800-1	PERC	54.02	134.223	137.000	134882	0.000	0.283	0.0	4.8
DRAWDOWN	SL_B800-1	PERC	55.02	134.215	137.000	134832	0.000	0.279	0.0	4.8
DRAWDOWN	SL_B800-1	PERC	56.02	134.208	137.000	134783	0.000	0.276	0.0	4.9
DRAWDOWN	SL_B800-1	PERC	57.02	134.200	137.000	134734	0.000	0.272	0.0	4.9
DRAWDOWN	SL_B800-1	PERC	58.02	134.193	137.000	134686	0.000	0.269	0.0	4.9
DRAWDOWN	SL_B800-1	PERC	59.02	134.186	137.000	134638	0.000	0.266	0.0	4.9
DRAWDOWN	SL_B800-1	PERC	60.02	134.179	137.000	134591	0.000	0.263	0.0	5.0
DRAWDOWN	SL_B800-1	PERC	61.02	134.172	137.000	134545	0.000	0.260	0.0	5.0
DRAWDOWN	SL_B800-1	PERC	62.02	134.165	137.000	134499	0.000	0.257	0.0	5.0
DRAWDOWN	SL_B800-1	PERC	63.02	134.158	137.000	134454	0.000	0.254	0.0	5.0
DRAWDOWN	SL_B800-1	PERC	64.02	134.151	137.000	134409	0.000	0.251	0.0	5.0
DRAWDOWN	SL_B800-1	PERC	65.02	134.145	137.000	134364	0.000	0.248	0.0	5.1
DRAWDOWN	SL_B800-1	PERC	66.02	134.138	137.000	134320	0.000	0.246	0.0	5.1
DRAWDOWN	SL_B800-1	PERC	67.02	134.132	137.000	134277	0.000	0.243	0.0	5.1
DRAWDOWN	SL_B800-1	PERC	68.02	134.125	137.000	134234	0.000	0.240	0.0	5.1
DRAWDOWN	SL_B800-1	PERC	69.02	134.119	137.000	134191	0.000	0.238	0.0	5.1
DRAWDOWN	SL_B800-1	PERC	70.02	134.112	137.000	134149	0.000	0.235	0.0	5.2
DRAWDOWN	SL_B800-1	PERC	71.02	134.106	137.000	134107	0.000	0.233	0.0	5.2
DRAWDOWN	SL_B800-1	PERC	72.02	134.100	137.000	134066	0.000	0.231	0.0	5.2
DRAWDOWN	SL_B800-1	PERC	73.02	134.094	137.000	134025	0.000	0.228	0.0	5.2
DRAWDOWN	SL_B800-1	PERC	74.02	134.088	137.000	133984	0.000	0.226	0.0	5.2
DRAWDOWN	SL_B800-1	PERC	75.02	134.082	137.000	133944	0.000	0.224	0.0	5.3
DRAWDOWN	SL_B800-1	PERC	76.02	134.076	137.000	133904	0.000	0.222	0.0	5.3
DRAWDOWN	SL_B800-1	PERC	77.02	134.070	137.000	133865	0.000	0.220	0.0	5.3
DRAWDOWN	SL_B800-1	PERC	78.02	134.064	137.000	133826	0.000	0.218	0.0	5.3
DRAWDOWN	SL_B800-1	PERC	79.02	134.058	137.000	133787	0.000	0.216	0.0	5.3
DRAWDOWN	SL_B800-1	PERC	80.02	134.052	137.000	133749	0.000	0.214	0.0	5.3
DRAWDOWN	SL_B800-1	PERC	81.02	134.046	137.000	133711	0.000	0.212	0.0	5.4
DRAWDOWN	SL_B800-1	PERC	82.02	134.041	137.000	133673	0.000	0.210	0.0	5.4
DRAWDOWN	SL_B800-1	PERC	83.02	134.035	137.000	133636	0.000	0.208	0.0	5.4
DRAWDOWN	SL_B800-1	PERC	84.02	134.030	137.000	133599	0.000	0.206	0.0	5.4
DRAWDOWN	SL_B800-1	PERC	85.02	134.024	137.000	133562	0.000	0.204	0.0	5.4
DRAWDOWN	SL_B800-1	PERC	86.02	134.019	137.000	133526	0.000	0.203	0.0	5.4
DRAWDOWN	SL_B800-1	PERC	87.02	134.013	137.000	133489	0.000	0.201	0.0	5.5
DRAWDOWN	SL_B800-1	PERC	88.02	134.008	137.000	133454	0.000	0.199	0.0	5.5
DRAWDOWN	SL_B800-1	PERC	89.02	134.002	137.000	133418	0.000	0.197	0.0	5.5
DRAWDOWN	SL_B800-1	PERC	90.02	133.997	137.000	133383	0.000	0.196	0.0	5.5
DRAWDOWN	SL_B800-1	PERC	91.02	133.992	137.000	133348	0.000	0.194	0.0	5.5
DRAWDOWN	SL_B800-1	PERC	92.02	133.987	137.000	133313	0.000	0.193	0.0	5.5
DRAWDOWN	SL_B800-1	PERC	93.02	133.981	137.000	133279	0.000	0.191	0.0	5.6
DRAWDOWN	SL_B800-1	PERC	94.02	133.976	137.000	133245	0.000	0.190	0.0	5.6
DRAWDOWN	SL_B800-1	PERC	95.02	133.971	137.000	133211	0.000	0.188	0.0	5.6
DRAWDOWN	SL_B800-1	PERC	96.02	133.966	137.000	133177	0.000	0.187	0.0	5.6
DRAWDOWN	SL_B800-1	PERC	97.02	133.961	137.000	133144	0.000	0.185	0.0	5.6
DRAWDOWN	SL_B800-1	PERC	98.02	133.956	137.000	133110	0.000	0.184	0.0	5.6
DRAWDOWN	SL_B800-1	PERC	99.02	133.951	137.000	133078	0.000	0.182	0.0	5.7
DRAWDOWN	SL_B800-1	PERC	100.02	133.946	137.000	133045	0.000	0.181	0.0	5.7
DRAWDOWN	SL_B800-1	PERC	101.02	133.941	137.000	133012	0.000	0.180	0.0	5.7

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	102.02	133.936	137.000	132980	0.000	0.178	0.0	5.7
DRAWDOWN	SL_B800-1	PERC	103.02	133.932	137.000	132948	0.000	0.177	0.0	5.7
DRAWDOWN	SL_B800-1	PERC	104.02	133.927	137.000	132916	0.000	0.176	0.0	5.7
DRAWDOWN	SL_B800-1	PERC	105.02	133.922	137.000	132885	0.000	0.175	0.0	5.7
DRAWDOWN	SL_B800-1	PERC	106.02	133.917	137.000	132854	0.000	0.173	0.0	5.8
DRAWDOWN	SL_B800-1	PERC	107.02	133.913	137.000	132823	0.000	0.172	0.0	5.8
DRAWDOWN	SL_B800-1	PERC	108.02	133.908	137.000	132792	0.000	0.171	0.0	5.8
DRAWDOWN	SL_B800-1	PERC	109.02	133.903	137.000	132761	0.000	0.170	0.0	5.8
DRAWDOWN	SL_B800-1	PERC	110.02	133.899	137.000	132730	0.000	0.169	0.0	5.8
DRAWDOWN	SL_B800-1	PERC	111.02	133.894	137.000	132700	0.000	0.168	0.0	5.8
DRAWDOWN	SL_B800-1	PERC	112.02	133.890	137.000	132670	0.000	0.166	0.0	5.8
DRAWDOWN	SL_B800-1	PERC	113.02	133.885	137.000	132640	0.000	0.165	0.0	5.9
DRAWDOWN	SL_B800-1	PERC	114.02	133.881	137.000	132610	0.000	0.164	0.0	5.9
DRAWDOWN	SL_B800-1	PERC	115.02	133.876	137.000	132581	0.000	0.163	0.0	5.9
DRAWDOWN	SL_B800-1	PERC	116.02	133.872	137.000	132552	0.000	0.162	0.0	5.9
DRAWDOWN	SL_B800-1	PERC	117.02	133.868	137.000	132522	0.000	0.161	0.0	5.9
DRAWDOWN	SL_B800-1	PERC	118.02	133.863	137.000	132493	0.000	0.160	0.0	5.9
DRAWDOWN	SL_B800-1	PERC	119.02	133.859	137.000	132465	0.000	0.159	0.0	5.9
DRAWDOWN	SL_B800-1	PERC	120.02	133.855	137.000	132436	0.000	0.158	0.0	5.9
DRAWDOWN	SL_B800-1	PERC	121.02	133.850	137.000	132408	0.000	0.157	0.0	6.0
DRAWDOWN	SL_B800-1	PERC	122.02	133.846	137.000	132379	0.000	0.156	0.0	6.0
DRAWDOWN	SL_B800-1	PERC	123.02	133.842	137.000	132351	0.000	0.155	0.0	6.0
DRAWDOWN	SL_B800-1	PERC	124.02	133.838	137.000	132323	0.000	0.154	0.0	6.0
DRAWDOWN	SL_B800-1	PERC	125.02	133.833	137.000	132295	0.000	0.153	0.0	6.0
DRAWDOWN	SL_B800-1	PERC	126.02	133.829	137.000	132268	0.000	0.152	0.0	6.0
DRAWDOWN	SL_B800-1	PERC	127.02	133.825	137.000	132240	0.000	0.152	0.0	6.0
DRAWDOWN	SL_B800-1	PERC	128.02	133.821	137.000	132213	0.000	0.151	0.0	6.1
DRAWDOWN	SL_B800-1	PERC	129.02	133.817	137.000	132186	0.000	0.150	0.0	6.1
DRAWDOWN	SL_B800-1	PERC	130.02	133.813	137.000	132159	0.000	0.149	0.0	6.1
DRAWDOWN	SL_B800-1	PERC	131.02	133.809	137.000	132132	0.000	0.148	0.0	6.1
DRAWDOWN	SL_B800-1	PERC	132.02	133.805	137.000	132105	0.000	0.147	0.0	6.1
DRAWDOWN	SL_B800-1	PERC	133.02	133.801	137.000	132079	0.000	0.146	0.0	6.1
DRAWDOWN	SL_B800-1	PERC	134.02	133.797	137.000	132052	0.000	0.146	0.0	6.1
DRAWDOWN	SL_B800-1	PERC	135.02	133.793	137.000	132026	0.000	0.145	0.0	6.1
DRAWDOWN	SL_B800-1	PERC	136.02	133.789	137.000	132000	0.000	0.144	0.0	6.1
DRAWDOWN	SL_B800-1	PERC	137.02	133.785	137.000	131974	0.000	0.143	0.0	6.2
DRAWDOWN	SL_B800-1	PERC	138.02	133.781	137.000	131948	0.000	0.142	0.0	6.2
DRAWDOWN	SL_B800-1	PERC	139.02	133.777	137.000	131922	0.000	0.142	0.0	6.2
DRAWDOWN	SL_B800-1	PERC	140.02	133.773	137.000	131897	0.000	0.141	0.0	6.2
DRAWDOWN	SL_B800-1	PERC	141.02	133.769	137.000	131871	0.000	0.140	0.0	6.2
DRAWDOWN	SL_B800-1	PERC	142.02	133.766	137.000	131846	0.000	0.139	0.0	6.2
DRAWDOWN	SL_B800-1	PERC	143.02	133.762	137.000	131820	0.000	0.139	0.0	6.2
DRAWDOWN	SL_B800-1	PERC	144.02	133.758	137.000	131795	0.000	0.138	0.0	6.2
DRAWDOWN	SL_B800-1	PERC	145.02	133.754	137.000	131770	0.000	0.137	0.0	6.3
DRAWDOWN	SL_B800-1	PERC	146.02	133.751	137.000	131745	0.000	0.137	0.0	6.3
DRAWDOWN	SL_B800-1	PERC	147.02	133.747	137.000	131721	0.000	0.136	0.0	6.3
DRAWDOWN	SL_B800-1	PERC	148.02	133.743	137.000	131696	0.000	0.135	0.0	6.3
DRAWDOWN	SL_B800-1	PERC	149.02	133.739	137.000	131672	0.000	0.135	0.0	6.3
DRAWDOWN	SL_B800-1	PERC	150.02	133.736	137.000	131647	0.000	0.134	0.0	6.3
DRAWDOWN	SL_B800-1	PERC	151.02	133.732	137.000	131623	0.000	0.133	0.0	6.3
DRAWDOWN	SL_B800-1	PERC	152.02	133.728	137.000	131599	0.000	0.133	0.0	6.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	153.02	133.725	137.000	131575	0.000	0.132	0.0	6.3
DRAWDOWN	SL_B800-1	PERC	154.02	133.721	137.000	131551	0.000	0.131	0.0	6.4
DRAWDOWN	SL_B800-1	PERC	155.02	133.718	137.000	131527	0.000	0.131	0.0	6.4
DRAWDOWN	SL_B800-1	PERC	156.02	133.714	137.000	131503	0.000	0.130	0.0	6.4
DRAWDOWN	SL_B800-1	PERC	157.02	133.711	137.000	131480	0.000	0.129	0.0	6.4
DRAWDOWN	SL_B800-1	PERC	158.02	133.707	137.000	131456	0.000	0.129	0.0	6.4
DRAWDOWN	SL_B800-1	PERC	159.02	133.704	137.000	131433	0.000	0.128	0.0	6.4
DRAWDOWN	SL_B800-1	PERC	160.02	133.700	137.000	131410	0.000	0.128	0.0	6.4
DRAWDOWN	SL_B800-1	PERC	161.02	133.697	137.000	131386	0.000	0.127	0.0	6.4
DRAWDOWN	SL_B800-1	PERC	162.02	133.693	137.000	131363	0.000	0.126	0.0	6.4
DRAWDOWN	SL_B800-1	PERC	163.02	133.690	137.000	131340	0.000	0.126	0.0	6.4
DRAWDOWN	SL_B800-1	PERC	164.02	133.686	137.000	131318	0.000	0.125	0.0	6.5
DRAWDOWN	SL_B800-1	PERC	165.02	133.683	137.000	131295	0.000	0.125	0.0	6.5
DRAWDOWN	SL_B800-1	PERC	166.02	133.679	137.000	131272	0.000	0.124	0.0	6.5
DRAWDOWN	SL_B800-1	PERC	167.02	133.676	137.000	131249	0.000	0.124	0.0	6.5
DRAWDOWN	SL_B800-1	PERC	168.02	133.673	137.000	131227	0.000	0.123	0.0	6.5
DRAWDOWN	SL_B800-1	PERC	169.02	133.669	137.000	131205	0.000	0.123	0.0	6.5
DRAWDOWN	SL_B800-1	PERC	170.02	133.666	137.000	131182	0.000	0.122	0.0	6.5
DRAWDOWN	SL_B800-1	PERC	171.02	133.662	137.000	131160	0.000	0.122	0.0	6.5
DRAWDOWN	SL_B800-1	PERC	172.02	133.659	137.000	131138	0.000	0.121	0.0	6.5
DRAWDOWN	SL_B800-1	PERC	173.02	133.656	137.000	131116	0.000	0.121	0.0	6.5
DRAWDOWN	SL_B800-1	PERC	174.02	133.652	137.000	131094	0.000	0.120	0.0	6.6
DRAWDOWN	SL_B800-1	PERC	175.02	133.649	137.000	131072	0.000	0.119	0.0	6.6
DRAWDOWN	SL_B800-1	PERC	176.02	133.646	137.000	131050	0.000	0.119	0.0	6.6
DRAWDOWN	SL_B800-1	PERC	177.02	133.643	137.000	131029	0.000	0.119	0.0	6.6
DRAWDOWN	SL_B800-1	PERC	178.02	133.639	137.000	131007	0.000	0.118	0.0	6.6
DRAWDOWN	SL_B800-1	PERC	179.02	133.636	137.000	130986	0.000	0.118	0.0	6.6
DRAWDOWN	SL_B800-1	PERC	180.02	133.633	137.000	130964	0.000	0.117	0.0	6.6
DRAWDOWN	SL_B800-1	PERC	181.02	133.630	137.000	130943	0.000	0.117	0.0	6.6
DRAWDOWN	SL_B800-1	PERC	182.02	133.627	137.000	130922	0.000	0.116	0.0	6.6
DRAWDOWN	SL_B800-1	PERC	183.02	133.623	137.000	130900	0.000	0.116	0.0	6.6
DRAWDOWN	SL_B800-1	PERC	184.02	133.620	137.000	130879	0.000	0.115	0.0	6.7
DRAWDOWN	SL_B800-1	PERC	185.02	133.617	137.000	130858	0.000	0.115	0.0	6.7
DRAWDOWN	SL_B800-1	PERC	186.02	133.614	137.000	130837	0.000	0.114	0.0	6.7
DRAWDOWN	SL_B800-1	PERC	187.02	133.611	137.000	130817	0.000	0.114	0.0	6.7
DRAWDOWN	SL_B800-1	PERC	188.02	133.608	137.000	130796	0.000	0.113	0.0	6.7
DRAWDOWN	SL_B800-1	PERC	189.02	133.604	137.000	130775	0.000	0.113	0.0	6.7
DRAWDOWN	SL_B800-1	PERC	190.02	133.601	137.000	130755	0.000	0.113	0.0	6.7
DRAWDOWN	SL_B800-1	PERC	191.02	133.598	137.000	130734	0.000	0.112	0.0	6.7
DRAWDOWN	SL_B800-1	PERC	192.02	133.595	137.000	130714	0.000	0.112	0.0	6.7
DRAWDOWN	SL_B800-1	PERC	193.02	133.592	137.000	130693	0.000	0.111	0.0	6.7
DRAWDOWN	SL_B800-1	PERC	194.02	133.589	137.000	130673	0.000	0.111	0.0	6.7
DRAWDOWN	SL_B800-1	PERC	195.02	133.586	137.000	130653	0.000	0.110	0.0	6.8
DRAWDOWN	SL_B800-1	PERC	196.02	133.583	137.000	130632	0.000	0.110	0.0	6.8
DRAWDOWN	SL_B800-1	PERC	197.02	133.580	137.000	130612	0.000	0.110	0.0	6.8
DRAWDOWN	SL_B800-1	PERC	198.02	133.577	137.000	130592	0.000	0.109	0.0	6.8
DRAWDOWN	SL_B800-1	PERC	199.02	133.574	137.000	130572	0.000	0.109	0.0	6.8
DRAWDOWN	SL_B800-1	PERC	200.02	133.571	137.000	130552	0.000	0.108	0.0	6.8
DRAWDOWN	SL_B800-1	PERC	201.02	133.568	137.000	130533	0.000	0.108	0.0	6.8
DRAWDOWN	SL_B800-1	PERC	202.02	133.565	137.000	130513	0.000	0.108	0.0	6.8
DRAWDOWN	SL_B800-1	PERC	203.02	133.562	137.000	130493	0.000	0.107	0.0	6.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	204.02	133.559	137.000	130474	0.000	0.107	0.0	6.8
DRAWDOWN	SL_B800-1	PERC	205.02	133.556	137.000	130454	0.000	0.106	0.0	6.8
DRAWDOWN	SL_B800-1	PERC	206.02	133.553	137.000	130435	0.000	0.106	0.0	6.9
DRAWDOWN	SL_B800-1	PERC	207.02	133.550	137.000	130415	0.000	0.106	0.0	6.9
DRAWDOWN	SL_B800-1	PERC	208.02	133.547	137.000	130396	0.000	0.105	0.0	6.9
DRAWDOWN	SL_B800-1	PERC	209.02	133.544	137.000	130376	0.000	0.105	0.0	6.9
DRAWDOWN	SL_B800-1	PERC	210.02	133.542	137.000	130357	0.000	0.105	0.0	6.9
DRAWDOWN	SL_B800-1	PERC	211.02	133.539	137.000	130338	0.000	0.104	0.0	6.9
DRAWDOWN	SL_B800-1	PERC	212.02	133.536	137.000	130319	0.000	0.104	0.0	6.9
DRAWDOWN	SL_B800-1	PERC	213.02	133.533	137.000	130300	0.000	0.104	0.0	6.9
DRAWDOWN	SL_B800-1	PERC	214.02	133.530	137.000	130281	0.000	0.103	0.0	6.9
DRAWDOWN	SL_B800-1	PERC	215.02	133.527	137.000	130262	0.000	0.103	0.0	6.9
DRAWDOWN	SL_B800-1	PERC	216.02	133.524	137.000	130243	0.000	0.102	0.0	6.9
DRAWDOWN	SL_B800-1	PERC	217.02	133.522	137.000	130224	0.000	0.102	0.0	7.0
DRAWDOWN	SL_B800-1	PERC	218.02	133.519	137.000	130206	0.000	0.102	0.0	7.0
DRAWDOWN	SL_B800-1	PERC	219.02	133.516	137.000	130187	0.000	0.101	0.0	7.0
DRAWDOWN	SL_B800-1	PERC	220.02	133.513	137.000	130168	0.000	0.101	0.0	7.0
DRAWDOWN	SL_B800-1	PERC	221.02	133.510	137.000	130150	0.000	0.101	0.0	7.0
DRAWDOWN	SL_B800-1	PERC	222.02	133.508	137.000	130131	0.000	0.100	0.0	7.0
DRAWDOWN	SL_B800-1	PERC	223.02	133.505	137.000	130113	0.000	0.100	0.0	7.0
DRAWDOWN	SL_B800-1	PERC	224.02	133.502	137.000	130095	0.000	0.100	0.0	7.0
DRAWDOWN	SL_B800-1	PERC	225.02	133.499	137.000	130076	0.000	0.099	0.0	7.0
DRAWDOWN	SL_B800-1	PERC	226.02	133.497	137.000	130058	0.000	0.099	0.0	7.0
DRAWDOWN	SL_B800-1	PERC	227.02	133.494	137.000	130040	0.000	0.099	0.0	7.0
DRAWDOWN	SL_B800-1	PERC	228.02	133.491	137.000	130022	0.000	0.099	0.0	7.0
DRAWDOWN	SL_B800-1	PERC	229.02	133.488	137.000	130004	0.000	0.098	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	230.02	133.486	137.000	129986	0.000	0.098	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	231.02	133.483	137.000	129968	0.000	0.098	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	232.02	133.480	137.000	129950	0.000	0.097	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	233.02	133.478	137.000	129932	0.000	0.097	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	234.02	133.475	137.000	129914	0.000	0.097	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	235.02	133.472	137.000	129896	0.000	0.096	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	236.02	133.469	137.000	129878	0.000	0.096	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	237.02	133.467	137.000	129861	0.000	0.096	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	238.02	133.464	137.000	129843	0.000	0.096	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	239.02	133.462	137.000	129826	0.000	0.095	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	240.02	133.459	137.000	129808	0.000	0.095	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	241.02	133.456	137.000	129791	0.000	0.095	0.0	7.1
DRAWDOWN	SL_B800-1	PERC	242.02	133.454	137.000	129773	0.000	0.094	0.0	7.2
DRAWDOWN	SL_B800-1	PERC	243.02	133.451	137.000	129756	0.000	0.094	0.0	7.2
DRAWDOWN	SL_B800-1	PERC	244.02	133.448	137.000	129738	0.000	0.094	0.0	7.2
DRAWDOWN	SL_B800-1	PERC	245.02	133.446	137.000	129721	0.000	0.094	0.0	7.2
DRAWDOWN	SL_B800-1	PERC	246.02	133.443	137.000	129704	0.000	0.093	0.0	7.2
DRAWDOWN	SL_B800-1	PERC	247.02	133.441	137.000	129687	0.000	0.093	0.0	7.2
DRAWDOWN	SL_B800-1	PERC	248.02	133.438	137.000	129670	0.000	0.093	0.0	7.2
DRAWDOWN	SL_B800-1	PERC	249.02	133.435	137.000	129653	0.000	0.092	0.0	7.2
DRAWDOWN	SL_B800-1	PERC	250.02	133.433	137.000	129636	0.000	0.092	0.0	7.2
DRAWDOWN	SL_B800-1	PERC	251.02	133.430	137.000	129619	0.000	0.092	0.0	7.2
DRAWDOWN	SL_B800-1	PERC	252.02	133.428	137.000	129602	0.000	0.092	0.0	7.2
DRAWDOWN	SL_B800-1	PERC	253.02	133.425	137.000	129585	0.000	0.091	0.0	7.2
DRAWDOWN	SL_B800-1	PERC	254.02	133.423	137.000	129568	0.000	0.091	0.0	7.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	255.02	133.420	137.000	129551	0.000	0.091	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	256.02	133.418	137.000	129534	0.000	0.091	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	257.02	133.415	137.000	129518	0.000	0.090	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	258.02	133.413	137.000	129501	0.000	0.090	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	259.02	133.410	137.000	129484	0.000	0.090	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	260.02	133.408	137.000	129468	0.000	0.090	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	261.02	133.405	137.000	129451	0.000	0.089	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	262.02	133.403	137.000	129435	0.000	0.089	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	263.02	133.400	137.000	129418	0.000	0.089	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	264.02	133.398	137.000	129402	0.000	0.089	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	265.02	133.395	137.000	129385	0.000	0.088	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	266.02	133.393	137.000	129369	0.000	0.088	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	267.02	133.390	137.000	129353	0.000	0.088	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	268.02	133.388	137.000	129337	0.000	0.088	0.0	7.3
DRAWDOWN	SL_B800-1	PERC	269.02	133.385	137.000	129320	0.000	0.087	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	270.02	133.383	137.000	129304	0.000	0.087	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	271.02	133.381	137.000	129288	0.000	0.087	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	272.02	133.378	137.000	129272	0.000	0.087	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	273.02	133.376	137.000	129256	0.000	0.087	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	274.02	133.373	137.000	129240	0.000	0.086	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	275.02	133.371	137.000	129224	0.000	0.086	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	276.02	133.369	137.000	129208	0.000	0.086	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	277.02	133.366	137.000	129192	0.000	0.086	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	278.02	133.364	137.000	129176	0.000	0.085	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	279.02	133.361	137.000	129161	0.000	0.085	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	280.02	133.359	137.000	129145	0.000	0.085	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	281.02	133.357	137.000	129129	0.000	0.085	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	282.02	133.354	137.000	129114	0.000	0.085	0.0	7.4
DRAWDOWN	SL_B800-1	PERC	283.02	133.352	137.000	129098	0.000	0.084	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	284.02	133.350	137.000	129082	0.000	0.084	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	285.02	133.347	137.000	129067	0.000	0.084	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	286.02	133.345	137.000	129051	0.000	0.084	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	287.02	133.343	137.000	129036	0.000	0.083	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	288.02	133.340	137.000	129020	0.000	0.083	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	289.02	133.338	137.000	129005	0.000	0.083	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	290.02	133.336	137.000	128989	0.000	0.083	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	291.02	133.333	137.000	128974	0.000	0.083	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	292.02	133.331	137.000	128959	0.000	0.082	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	293.02	133.329	137.000	128944	0.000	0.082	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	294.02	133.326	137.000	128928	0.000	0.082	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	295.02	133.324	137.000	128913	0.000	0.082	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	296.02	133.322	137.000	128898	0.000	0.082	0.0	7.5
DRAWDOWN	SL_B800-1	PERC	297.02	133.320	137.000	128883	0.000	0.081	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	298.02	133.317	137.000	128868	0.000	0.081	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	299.02	133.315	137.000	128853	0.000	0.081	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	300.02	133.313	137.000	128838	0.000	0.081	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	301.02	133.311	137.000	128823	0.000	0.081	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	302.02	133.308	137.000	128808	0.000	0.080	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	303.02	133.306	137.000	128793	0.000	0.080	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	304.02	133.304	137.000	128778	0.000	0.080	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	305.02	133.302	137.000	128763	0.000	0.080	0.0	7.6

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	306.02	133.299	137.000	128748	0.000	0.080	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	307.02	133.297	137.000	128733	0.000	0.080	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	308.02	133.295	137.000	128719	0.000	0.079	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	309.02	133.293	137.000	128704	0.000	0.079	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	310.02	133.290	137.000	128689	0.000	0.079	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	311.02	133.288	137.000	128674	0.000	0.079	0.0	7.6
DRAWDOWN	SL_B800-1	PERC	312.02	133.286	137.000	128660	0.000	0.079	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	313.02	133.284	137.000	128645	0.000	0.078	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	314.02	133.282	137.000	128631	0.000	0.078	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	315.02	133.279	137.000	128616	0.000	0.078	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	316.02	133.277	137.000	128602	0.000	0.078	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	317.02	133.275	137.000	128587	0.000	0.078	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	318.02	133.273	137.000	128573	0.000	0.078	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	319.02	133.271	137.000	128558	0.000	0.077	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	320.02	133.269	137.000	128544	0.000	0.077	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	321.02	133.266	137.000	128530	0.000	0.077	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	322.02	133.264	137.000	128515	0.000	0.077	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	323.02	133.262	137.000	128501	0.000	0.077	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	324.02	133.260	137.000	128487	0.000	0.077	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	325.02	133.258	137.000	128472	0.000	0.076	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	326.02	133.256	137.000	128458	0.000	0.076	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	327.02	133.254	137.000	128444	0.000	0.076	0.0	7.7
DRAWDOWN	SL_B800-1	PERC	328.02	133.251	137.000	128430	0.000	0.076	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	329.02	133.249	137.000	128416	0.000	0.076	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	330.02	133.247	137.000	128402	0.000	0.076	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	331.02	133.245	137.000	128388	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	332.02	133.243	137.000	128374	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	333.02	133.241	137.000	128360	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	334.02	133.239	137.000	128346	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	335.02	133.237	137.000	128332	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	336.02	133.235	137.000	128318	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	337.02	133.232	137.000	128304	0.000	0.074	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	338.02	133.230	137.000	128290	0.000	0.074	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	339.02	133.228	137.000	128276	0.000	0.074	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	340.02	133.226	137.000	128263	0.000	0.074	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	341.02	133.224	137.000	128249	0.000	0.074	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	342.02	133.222	137.000	128235	0.000	0.074	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	343.02	133.220	137.000	128221	0.000	0.073	0.0	7.8
DRAWDOWN	SL_B800-1	PERC	344.02	133.218	137.000	128208	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	345.02	133.216	137.000	128194	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	346.02	133.214	137.000	128180	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	347.02	133.212	137.000	128167	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	348.02	133.210	137.000	128153	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	349.02	133.208	137.000	128140	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	350.02	133.206	137.000	128126	0.000	0.072	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	351.02	133.204	137.000	128113	0.000	0.072	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	352.02	133.202	137.000	128099	0.000	0.072	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	353.02	133.200	137.000	128086	0.000	0.072	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	354.02	133.198	137.000	128072	0.000	0.072	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	355.02	133.196	137.000	128059	0.000	0.072	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	356.02	133.194	137.000	128045	0.000	0.072	0.0	7.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	357.02	133.192	137.000	128032	0.000	0.071	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	358.02	133.190	137.000	128019	0.000	0.071	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	359.02	133.188	137.000	128005	0.000	0.071	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	360.02	133.186	137.000	127992	0.000	0.071	0.0	7.9
DRAWDOWN	SL_B800-1	PERC	361.02	133.184	137.000	127979	0.000	0.071	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	362.02	133.182	137.000	127966	0.000	0.071	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	363.02	133.180	137.000	127953	0.000	0.071	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	364.02	133.178	137.000	127939	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	365.02	133.176	137.000	127926	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	366.02	133.174	137.000	127913	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	367.02	133.172	137.000	127900	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	368.02	133.170	137.000	127887	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	369.02	133.168	137.000	127874	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	370.02	133.166	137.000	127861	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	371.02	133.164	137.000	127848	0.000	0.069	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	372.02	133.162	137.000	127835	0.000	0.069	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	373.02	133.160	137.000	127822	0.000	0.069	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	374.02	133.158	137.000	127809	0.000	0.069	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	375.02	133.156	137.000	127796	0.000	0.069	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	376.02	133.154	137.000	127783	0.000	0.069	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	377.02	133.152	137.000	127770	0.000	0.069	0.0	8.0
DRAWDOWN	SL_B800-1	PERC	378.02	133.150	137.000	127758	0.000	0.069	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	379.02	133.148	137.000	127745	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	380.02	133.146	137.000	127732	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	381.02	133.144	137.000	127719	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	382.02	133.143	137.000	127706	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	383.02	133.141	137.000	127694	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	384.02	133.139	137.000	127681	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	385.02	133.137	137.000	127668	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	386.02	133.135	137.000	127656	0.000	0.067	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	387.02	133.133	137.000	127643	0.000	0.067	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	388.02	133.131	137.000	127630	0.000	0.067	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	389.02	133.129	137.000	127618	0.000	0.067	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	390.02	133.127	137.000	127605	0.000	0.067	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	391.02	133.125	137.000	127593	0.000	0.067	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	392.02	133.124	137.000	127580	0.000	0.067	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	393.02	133.122	137.000	127568	0.000	0.067	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	394.02	133.120	137.000	127555	0.000	0.066	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	395.02	133.118	137.000	127543	0.000	0.066	0.0	8.1
DRAWDOWN	SL_B800-1	PERC	396.02	133.116	137.000	127530	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	397.02	133.114	137.000	127518	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	398.02	133.112	137.000	127506	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	399.02	133.110	137.000	127493	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	400.02	133.109	137.000	127481	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	401.02	133.107	137.000	127469	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	402.02	133.105	137.000	127456	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	403.02	133.103	137.000	127444	0.000	0.065	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	404.02	133.101	137.000	127432	0.000	0.065	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	405.02	133.099	137.000	127419	0.000	0.065	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	406.02	133.097	137.000	127407	0.000	0.065	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	407.02	133.096	137.000	127395	0.000	0.065	0.0	8.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	408.02	133.094	137.000	127383	0.000	0.065	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	409.02	133.092	137.000	127371	0.000	0.065	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	410.02	133.090	137.000	127359	0.000	0.065	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	411.02	133.088	137.000	127346	0.000	0.064	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	412.02	133.087	137.000	127334	0.000	0.064	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	413.02	133.085	137.000	127322	0.000	0.064	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	414.02	133.083	137.000	127310	0.000	0.064	0.0	8.2
DRAWDOWN	SL_B800-1	PERC	415.02	133.081	137.000	127298	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	416.02	133.079	137.000	127286	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	417.02	133.077	137.000	127274	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	418.02	133.076	137.000	127262	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	419.02	133.074	137.000	127250	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	420.02	133.072	137.000	127238	0.000	0.063	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	421.02	133.070	137.000	127226	0.000	0.063	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	422.02	133.068	137.000	127214	0.000	0.063	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	423.02	133.067	137.000	127203	0.000	0.063	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	424.02	133.065	137.000	127191	0.000	0.063	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	425.02	133.063	137.000	127179	0.000	0.063	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	426.02	133.061	137.000	127167	0.000	0.063	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	427.02	133.060	137.000	127155	0.000	0.063	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	428.02	133.058	137.000	127143	0.000	0.063	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	429.02	133.056	137.000	127132	0.000	0.063	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	430.02	133.054	137.000	127120	0.000	0.062	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	431.02	133.052	137.000	127108	0.000	0.062	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	432.02	133.051	137.000	127096	0.000	0.062	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	433.02	133.049	137.000	127085	0.000	0.062	0.0	8.3
DRAWDOWN	SL_B800-1	PERC	434.02	133.047	137.000	127073	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	435.02	133.045	137.000	127061	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	436.02	133.044	137.000	127050	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	437.02	133.042	137.000	127038	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	438.02	133.040	137.000	127027	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	439.02	133.038	137.000	127015	0.000	0.061	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	440.02	133.037	137.000	127003	0.000	0.061	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	441.02	133.035	137.000	126992	0.000	0.061	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	442.02	133.033	137.000	126980	0.000	0.061	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	443.02	133.031	137.000	126969	0.000	0.061	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	444.02	133.030	137.000	126957	0.000	0.061	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	445.02	133.028	137.000	126946	0.000	0.061	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	446.02	133.026	137.000	126934	0.000	0.061	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	447.02	133.025	137.000	126923	0.000	0.061	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	448.02	133.023	137.000	126912	0.000	0.061	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	449.02	133.021	137.000	126900	0.000	0.060	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	450.02	133.019	137.000	126889	0.000	0.060	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	451.02	133.018	137.000	126877	0.000	0.060	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	452.02	133.016	137.000	126866	0.000	0.060	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	453.02	133.014	137.000	126855	0.000	0.060	0.0	8.4
DRAWDOWN	SL_B800-1	PERC	454.02	133.013	137.000	126843	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	455.02	133.011	137.000	126832	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	456.02	133.009	137.000	126821	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	457.02	133.008	137.000	126809	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	458.02	133.006	137.000	126798	0.000	0.060	0.0	8.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	459.02	133.004	137.000	126787	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	460.02	133.002	137.000	126776	0.000	0.059	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	461.02	133.001	137.000	126765	0.000	0.059	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	462.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	463.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	464.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	465.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	466.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	467.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	468.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	469.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	470.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	471.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	472.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	473.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	474.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	475.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	476.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	477.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	478.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	479.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	480.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	481.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	482.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	483.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	484.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	485.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	486.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	487.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	488.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	489.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	490.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	491.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	492.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	493.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	494.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	495.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	496.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	497.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	498.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	499.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	500.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	501.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	502.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	503.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	504.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	505.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	506.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	507.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	508.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	509.02	133.000	137.000	126760	0.000	0.000	0.0	8.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	510.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	511.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	512.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	513.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	514.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	515.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	516.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	517.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	518.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	519.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	520.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	521.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	522.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	523.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	524.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	525.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	526.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	527.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	528.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	529.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	530.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	531.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	532.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	533.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	534.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	535.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	536.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	537.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	538.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	539.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	540.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	541.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	542.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	543.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	544.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	545.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	546.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	547.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	548.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	549.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	550.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	551.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	552.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	553.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	554.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	555.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	556.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	557.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	558.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	559.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	560.02	133.000	137.000	126760	0.000	0.000	0.0	8.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	561.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	562.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	563.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	564.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	565.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	566.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	567.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	568.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	569.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	570.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	571.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	572.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	573.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	574.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	575.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	576.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	577.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	578.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	579.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	580.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	581.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	582.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	583.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	584.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	585.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	586.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	587.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	588.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	589.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	590.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	591.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	592.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	593.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	594.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	595.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	596.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	597.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	598.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	599.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	600.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	601.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	602.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	603.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	604.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	605.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	606.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	607.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	608.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	609.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	610.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	611.02	133.000	137.000	126760	0.000	0.000	0.0	8.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	612.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	613.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	614.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	615.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	616.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	617.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	618.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	619.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	620.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	621.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	622.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	623.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	624.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	625.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	626.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	627.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	628.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	629.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	630.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	631.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	632.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	633.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	634.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	635.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	636.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	637.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	638.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	639.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	640.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	641.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	642.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	643.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	644.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	645.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	646.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	647.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	648.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	649.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	650.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	651.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	652.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	653.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	654.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	655.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	656.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	657.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	658.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	659.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	660.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	661.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	662.02	133.000	137.000	126760	0.000	0.000	0.0	8.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	663.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	664.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	665.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	666.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	667.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	668.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	669.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	670.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	671.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	672.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	673.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	674.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	675.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	676.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	677.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	678.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	679.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	680.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	681.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	682.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	683.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	684.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	685.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	686.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	687.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	688.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	689.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	690.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	691.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	692.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	693.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	694.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	695.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	696.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	697.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	698.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	699.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	700.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	701.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	702.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	703.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	704.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	705.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	706.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	707.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	708.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	709.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	710.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	711.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	712.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	713.02	133.000	137.000	126760	0.000	0.000	0.0	8.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-1	PERC	714.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	715.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	716.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	717.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	718.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	719.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	720.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	721.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	722.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	723.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	724.02	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	SL_B800-1	PERC	725.01	133.000	137.000	126760	0.000	0.000	0.0	8.5
DRAWDOWN	WQ_B800-1	PERC	0.00	133.070	137.000	127225	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	1.00	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	2.01	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	3.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	4.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	5.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	6.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	7.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	8.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	9.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	10.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	11.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	12.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	13.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	14.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	15.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	16.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	17.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	18.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	19.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	20.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	21.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	22.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	23.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	24.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	25.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	26.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	27.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	28.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	29.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	30.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	31.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	32.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	33.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	34.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	35.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	36.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	37.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B800-1	PERC	38.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	39.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	40.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	41.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	42.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	43.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	44.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	45.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	46.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	47.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	48.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	49.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	50.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	51.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	52.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	53.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	54.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	55.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	56.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	57.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	58.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	59.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	60.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	61.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	62.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	63.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	64.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	65.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	66.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	67.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	68.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	69.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	70.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	71.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	72.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	73.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	74.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	75.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	76.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	77.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	78.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	79.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	80.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	81.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	82.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	83.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	84.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	85.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	86.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	87.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	88.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-1	PERC	89.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	90.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	91.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	92.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	93.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	94.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	95.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	96.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	97.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	98.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	99.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	100.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	101.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	102.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	103.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	104.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	105.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	106.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	107.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	108.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	109.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	110.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	111.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	112.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	113.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	114.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	115.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	116.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	117.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	118.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	119.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	120.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	121.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	122.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	123.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	124.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	125.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	126.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	127.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	128.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	129.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	130.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	131.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	132.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	133.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	134.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	135.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	136.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	137.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	138.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	139.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-1	PERC	140.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	141.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	142.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	143.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	144.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	145.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	146.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	147.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	148.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	149.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	150.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	151.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	152.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	153.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	154.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	155.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	156.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	157.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	158.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	159.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	160.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	161.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	162.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	163.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	164.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	165.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	166.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	167.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	168.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	169.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	170.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	171.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	172.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	173.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	174.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	175.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	176.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	177.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	178.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	179.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	180.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	181.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	182.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	183.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	184.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	185.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	186.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	187.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	188.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	189.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	190.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-1	PERC	191.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	192.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	193.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	194.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	195.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	196.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	197.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	198.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	199.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	200.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	201.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	202.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	203.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	204.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	205.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	206.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	207.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	208.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	209.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	210.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	211.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	212.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	213.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	214.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	215.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	216.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	217.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	218.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	219.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	220.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	221.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	222.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	223.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	224.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	225.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	226.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	227.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	228.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	229.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	230.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	231.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	232.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	233.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	234.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	235.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	236.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	237.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	238.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	239.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	240.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	241.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-1	PERC	242.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	243.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	244.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	245.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	246.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	247.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	248.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	249.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	250.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	251.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	252.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	253.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	254.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	255.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	256.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	257.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	258.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	259.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	260.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	261.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	262.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	263.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	264.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	265.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	266.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	267.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	268.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	269.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	270.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	271.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	272.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	273.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	274.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	275.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	276.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	277.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	278.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	279.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	280.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	281.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	282.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	283.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	284.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	285.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	286.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	287.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	288.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	289.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	290.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	291.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	292.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B800-1	PERC	293.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	294.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	295.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	296.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	297.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	298.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	299.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	300.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	301.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	302.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	303.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	304.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	305.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	306.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	307.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	308.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	309.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	310.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	311.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	312.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	313.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	314.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	315.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	316.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	317.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	318.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	319.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	320.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	321.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	322.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	323.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	324.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	325.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	326.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	327.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	328.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	329.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	330.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	331.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	332.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	333.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	334.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	335.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	336.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	337.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	338.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	339.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	340.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	341.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	342.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	343.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-1	PERC	344.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	345.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	346.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	347.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	348.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	349.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	350.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	351.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	352.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	353.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	354.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	355.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	356.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	357.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	358.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	359.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	360.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	361.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	362.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	363.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	364.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	365.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	366.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	367.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	368.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	369.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	370.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	371.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	372.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	373.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	374.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	375.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	376.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	377.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	378.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	379.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	380.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	381.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	382.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	383.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	384.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	385.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	386.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	387.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	388.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	389.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	390.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	391.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	392.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	393.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	394.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-1	PERC	395.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	396.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	397.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	398.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	399.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	400.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	401.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	402.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	403.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	404.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	405.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	406.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	407.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	408.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	409.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	410.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	411.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	412.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	413.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	414.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	415.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	416.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	417.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	418.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	419.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	420.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	421.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	422.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	423.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	424.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	425.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	426.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	427.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	428.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	429.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	430.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	431.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	432.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	433.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	434.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	435.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	436.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	437.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	438.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	439.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	440.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	441.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	442.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	443.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	444.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	445.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-1	PERC	446.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	447.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	448.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	449.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	450.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	451.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	452.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	453.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	454.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	455.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	456.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	457.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	458.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	459.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	460.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	461.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	462.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	463.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	464.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	465.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	466.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	467.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	468.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	469.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	470.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	471.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	472.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	473.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	474.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	475.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	476.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	477.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	478.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	479.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	480.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	481.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	482.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	483.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	484.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	485.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	486.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	487.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	488.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	489.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	490.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	491.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	492.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	493.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	494.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	495.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	496.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-1	PERC	497.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	498.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	499.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	500.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	501.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	502.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	503.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	504.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	505.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	506.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	507.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	508.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	509.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	510.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	511.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	512.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	513.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	514.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	515.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	516.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	517.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	518.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	519.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	520.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	521.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	522.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	523.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	524.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	525.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	526.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	527.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	528.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	529.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	530.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	531.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	532.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	533.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	534.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	535.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	536.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	537.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	538.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	539.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	540.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	541.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	542.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	543.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	544.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	545.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	546.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	547.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-1	PERC	548.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	549.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	550.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	551.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	552.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	553.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	554.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	555.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	556.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	557.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	558.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	559.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	560.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	561.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	562.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	563.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	564.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	565.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	566.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	567.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	568.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	569.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	570.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	571.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	572.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	573.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	574.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	575.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	576.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	577.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	578.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	579.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	580.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	581.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	582.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	583.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	584.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	585.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	586.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	587.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	588.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	589.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	590.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	591.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	592.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	593.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	594.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	595.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	596.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	597.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	598.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-1	PERC	599.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	600.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	601.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	602.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	603.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	604.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	605.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	606.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	607.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	608.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	609.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	610.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	611.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	612.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	613.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	614.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	615.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	616.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	617.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	618.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	619.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	620.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	621.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	622.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	623.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	624.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	625.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	626.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	627.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	628.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	629.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	630.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	631.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	632.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	633.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	634.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	635.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	636.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	637.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	638.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	639.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	640.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	641.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	642.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	643.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	644.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	645.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	646.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	647.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	648.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	649.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

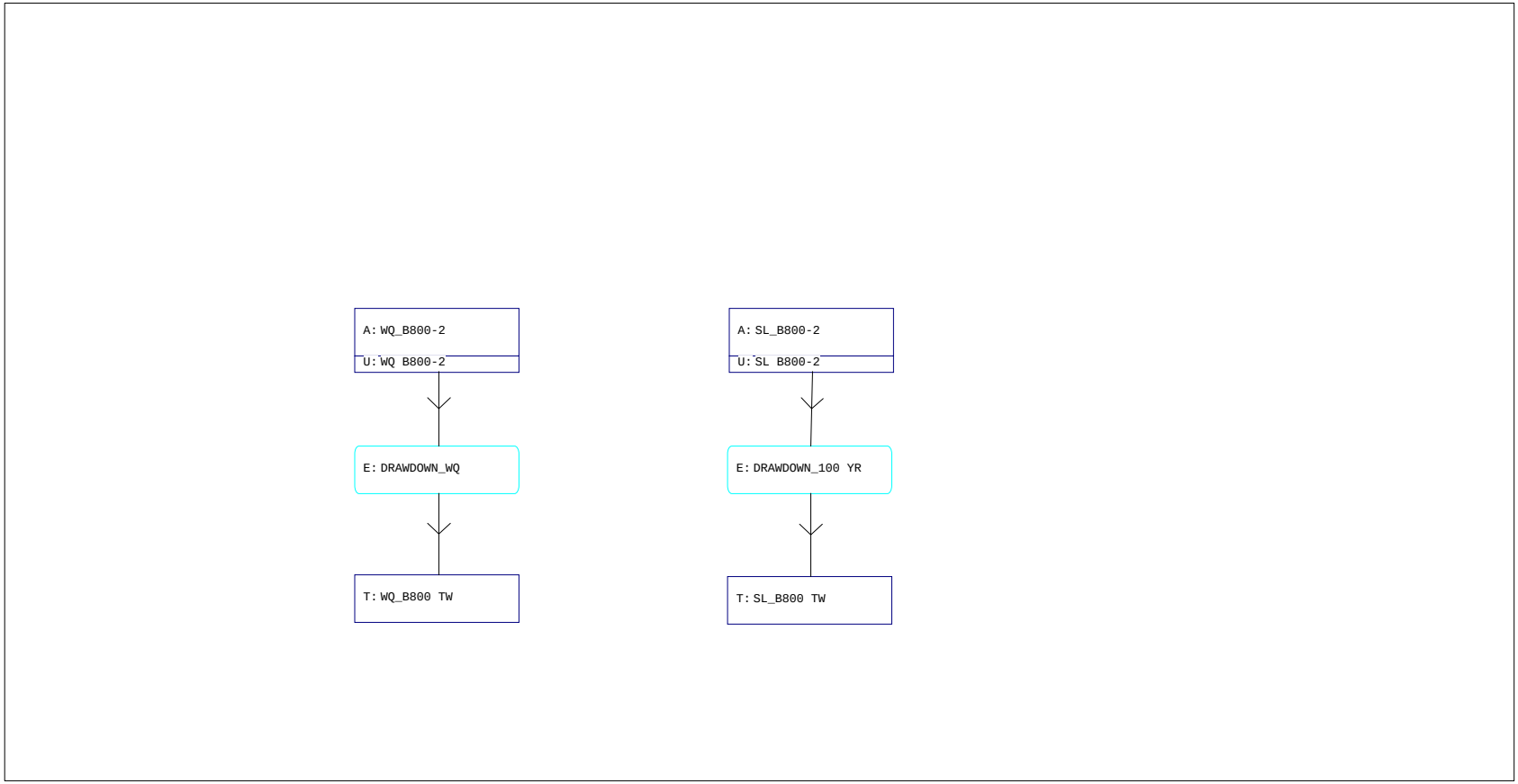
Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-1	PERC	650.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	651.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	652.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	653.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	654.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	655.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	656.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	657.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	658.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	659.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	660.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	661.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	662.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	663.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	664.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	665.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	666.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	667.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	668.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	669.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	670.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	671.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	672.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	673.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	674.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	675.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	676.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	677.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	678.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	679.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	680.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	681.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	682.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	683.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	684.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	685.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	686.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	687.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	688.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	689.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	690.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	691.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	692.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	693.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	694.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	695.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	696.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	697.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	698.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	699.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	700.02	133.000	137.000	126760	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-1	PERC	701.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	702.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	703.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	704.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	705.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	706.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	707.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	708.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	709.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	710.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	711.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	712.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	713.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	714.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	715.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	716.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	717.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	718.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	719.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	720.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	721.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	722.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	723.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	724.02	133.000	137.000	126760	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-1	PERC	725.01	133.000	137.000	126760	0.000	0.000	0.0	0.0

Nodes
A Stage/Area
V Stage/Volume
T Time/Stage
M Manhole

Basins
O Overland Flow
U SCS Unit CN
S SBUH CN
Y SCS Unit GA
Z SBUH GA

Links
P Pipe
W Weir
C Channel
D Drop Structure
B Bridge
R Rating Curve
H Breach
E Percolation
F Filter
X Exfil Trench



Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

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==========================================================================================
==== Basins ==============================================================================
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         Name: SL B800-2                Node: SL_B800-2              Status: Onsite
        Group: PERC                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                    Peaking Factor: 256.0
          Rainfall File:                     Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
               Area(ac): 0.001                   Time Shift(hrs): 0.00
           Curve Number: 55.32              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


------------------------------------------------------------------------------------------------
         Name: WQ B800-2                Node: WQ_B800-2              Status: Onsite
        Group: PERC                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                    Peaking Factor: 256.0
          Rainfall File:                     Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
               Area(ac): 0.001                   Time Shift(hrs): 0.00
           Curve Number: 55.32              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


==========================================================================================
==== Nodes ===============================================================================
==========================================================================================

      Name: SL_B800 TW          Base Flow(cfs): 0.000          Init Stage(ft): 130.000
     Group: PERC                                             Warn Stage(ft): 130.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00         130.000
         725.00         130.000

------------------------------------------------------------------------------------------
      Name: SL_B800-2           Base Flow(cfs): 0.000          Init Stage(ft): 136.930
     Group: PERC                                             Warn Stage(ft): 137.000
      Type: Stage/Area

This is for Slug Load Cals

      Stage(ft)        Area(ac)
--------------- ---------------
        134.000          3.1800
        137.000          3.6200
        138.000          3.7800

------------------------------------------------------------------------------------------
      Name: WQ_B800 TW          Base Flow(cfs): 0.000          Init Stage(ft): 130.000
     Group: PERC                                             Warn Stage(ft): 130.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00         130.000
         100.00         130.000

------------------------------------------------------------------------------------------
      Name: WQ_B800-2           Base Flow(cfs): 0.000          Init Stage(ft): 134.070
     Group: PERC                                             Warn Stage(ft): 137.000
      Type: Stage/Area
```

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This is for water quality Cals

Stage(ft)	Area(ac)
134.000	3.1800
137.000	3.6200
138.000	3.7800

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==== Percolation Links ====
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Name: DRAWDOWN_100 YR From Node: SL_B800-2 Flow: Both
Group: PERC To Node: SL_B800 TW Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 120.000 Perimeter 1(ft): 1729.000
Water Table Elev(ft): 130.000 Perimeter 2(ft): 2043.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 4871.000
Horiz Conductivity(ft/day): 15.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 15.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 4.000

P-1 = perimeter of Pond 800 at water quality elevation.
P-2 = perimeter of Pond 800 at 50' from water quality elevation.
P-3 = perimeter of Pond 800 at 500' from water quality elevation.
Layer thickness = Pond Bottom Ele. - Water Table Ele. = 134 -130 = 4.0
Aquifer Base Ele. - Assume 10' below WT
Vert/Horz Conductivity = 15 (Web Soil Survey, Lake Fine Sand, No 32), 6-20 in/hr (12-40 ft/day)

Name: DRAWDOWN_WQ From Node: WQ_B800-2 Flow: Both
Group: PERC To Node: WQ_B800 TW Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 120.000 Perimeter 1(ft): 1658.000
Water Table Elev(ft): 130.000 Perimeter 2(ft): 1972.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 4799.000
Horiz Conductivity(ft/day): 15.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 15.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 4.000

P-1 = perimeter of Pond 800 at water quality elevation.
P-2 = perimeter of Pond 800 at 50' from water quality elevation.
P-3 = perimeter of Pond 800 at 500' from water quality elevation.
Layer thickness = Pond Bottom Ele. - Water Table Ele. = 134 -130 = 4.0
Aquifer Base Ele. - Assume 10' below WT
Vert/Horz Conductivity = 15 (Web Soil Survey, Lake Fine Sand, No 32), 6-20 in/hr (12-40 ft/day)

==========
==== Hydrology Simulations ====
==========

Name: DRAWDOWN
Filename: C:\Users\Hamms\Desktop\US 98\ICPR Files\DRAWDOWN.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Fdot-24
Rainfall Amount(in): 0.01

Time(hrs)	Print Inc(min)
725.000	10.00

==========
==== Routing Simulations ====

Draft

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Name: DRAWDOWN Hydrology Sim:
Filename: C:\Users\Hamms\Desktop\US 98\ICPR Files\DRAWDOWN.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 725.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
725.000	60.000

Group	Run
PERC	Yes

Draft

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	0.00	136.930	137.000	157240	0.000	0.000	0.0	0.0
DRAWDOWN	SL_B800-2	PERC	1.00	136.306	137.000	153251	0.000	26.606	0.0	1.1
DRAWDOWN	SL_B800-2	PERC	2.00	135.866	137.000	150440	0.000	4.345	0.0	2.4
DRAWDOWN	SL_B800-2	PERC	3.01	135.798	137.000	150009	0.000	2.038	0.0	2.6
DRAWDOWN	SL_B800-2	PERC	4.01	135.756	137.000	149741	0.000	1.519	0.0	2.8
DRAWDOWN	SL_B800-2	PERC	5.01	135.723	137.000	149529	0.000	1.261	0.0	2.9
DRAWDOWN	SL_B800-2	PERC	6.01	135.695	137.000	149348	0.000	1.099	0.0	3.0
DRAWDOWN	SL_B800-2	PERC	7.01	135.670	137.000	149188	0.000	0.985	0.0	3.1
DRAWDOWN	SL_B800-2	PERC	8.01	135.647	137.000	149043	0.000	0.900	0.0	3.2
DRAWDOWN	SL_B800-2	PERC	9.01	135.626	137.000	148909	0.000	0.833	0.0	3.2
DRAWDOWN	SL_B800-2	PERC	10.01	135.607	137.000	148785	0.000	0.779	0.0	3.3
DRAWDOWN	SL_B800-2	PERC	11.01	135.588	137.000	148668	0.000	0.734	0.0	3.4
DRAWDOWN	SL_B800-2	PERC	12.01	135.571	137.000	148557	0.000	0.695	0.0	3.4
DRAWDOWN	SL_B800-2	PERC	13.01	135.554	137.000	148452	0.000	0.662	0.0	3.5
DRAWDOWN	SL_B800-2	PERC	14.01	135.539	137.000	148352	0.000	0.632	0.0	3.5
DRAWDOWN	SL_B800-2	PERC	15.01	135.524	137.000	148256	0.000	0.607	0.0	3.6
DRAWDOWN	SL_B800-2	PERC	16.01	135.509	137.000	148163	0.000	0.583	0.0	3.6
DRAWDOWN	SL_B800-2	PERC	17.01	135.495	137.000	148075	0.000	0.563	0.0	3.7
DRAWDOWN	SL_B800-2	PERC	18.01	135.482	137.000	147989	0.000	0.544	0.0	3.7
DRAWDOWN	SL_B800-2	PERC	19.01	135.469	137.000	147905	0.000	0.527	0.0	3.8
DRAWDOWN	SL_B800-2	PERC	20.01	135.456	137.000	147825	0.000	0.511	0.0	3.8
DRAWDOWN	SL_B800-2	PERC	21.01	135.444	137.000	147746	0.000	0.496	0.0	3.9
DRAWDOWN	SL_B800-2	PERC	22.01	135.432	137.000	147670	0.000	0.483	0.0	3.9
DRAWDOWN	SL_B800-2	PERC	23.01	135.420	137.000	147596	0.000	0.470	0.0	3.9
DRAWDOWN	SL_B800-2	PERC	24.01	135.409	137.000	147524	0.000	0.458	0.0	4.0
DRAWDOWN	SL_B800-2	PERC	25.01	135.398	137.000	147453	0.000	0.447	0.0	4.0
DRAWDOWN	SL_B800-2	PERC	26.01	135.387	137.000	147384	0.000	0.437	0.0	4.1
DRAWDOWN	SL_B800-2	PERC	27.01	135.377	137.000	147317	0.000	0.427	0.0	4.1
DRAWDOWN	SL_B800-2	PERC	28.01	135.366	137.000	147251	0.000	0.418	0.0	4.1
DRAWDOWN	SL_B800-2	PERC	29.01	135.356	137.000	147186	0.000	0.409	0.0	4.2
DRAWDOWN	SL_B800-2	PERC	30.01	135.346	137.000	147123	0.000	0.401	0.0	4.2
DRAWDOWN	SL_B800-2	PERC	31.01	135.337	137.000	147061	0.000	0.393	0.0	4.2
DRAWDOWN	SL_B800-2	PERC	32.01	135.327	137.000	147000	0.000	0.385	0.0	4.3
DRAWDOWN	SL_B800-2	PERC	33.01	135.318	137.000	146940	0.000	0.378	0.0	4.3
DRAWDOWN	SL_B800-2	PERC	34.01	135.309	137.000	146881	0.000	0.371	0.0	4.3
DRAWDOWN	SL_B800-2	PERC	35.01	135.300	137.000	146824	0.000	0.365	0.0	4.3
DRAWDOWN	SL_B800-2	PERC	36.01	135.291	137.000	146767	0.000	0.358	0.0	4.4
DRAWDOWN	SL_B800-2	PERC	37.01	135.282	137.000	146711	0.000	0.352	0.0	4.4
DRAWDOWN	SL_B800-2	PERC	38.01	135.273	137.000	146657	0.000	0.346	0.0	4.4
DRAWDOWN	SL_B800-2	PERC	39.01	135.265	137.000	146603	0.000	0.341	0.0	4.5
DRAWDOWN	SL_B800-2	PERC	40.01	135.257	137.000	146550	0.000	0.335	0.0	4.5
DRAWDOWN	SL_B800-2	PERC	41.01	135.249	137.000	146497	0.000	0.330	0.0	4.5
DRAWDOWN	SL_B800-2	PERC	42.01	135.240	137.000	146446	0.000	0.325	0.0	4.5
DRAWDOWN	SL_B800-2	PERC	43.01	135.233	137.000	146395	0.000	0.320	0.0	4.6
DRAWDOWN	SL_B800-2	PERC	44.01	135.225	137.000	146345	0.000	0.316	0.0	4.6
DRAWDOWN	SL_B800-2	PERC	45.01	135.217	137.000	146296	0.000	0.311	0.0	4.6
DRAWDOWN	SL_B800-2	PERC	46.01	135.209	137.000	146248	0.000	0.307	0.0	4.7
DRAWDOWN	SL_B800-2	PERC	47.01	135.202	137.000	146200	0.000	0.302	0.0	4.7
DRAWDOWN	SL_B800-2	PERC	48.01	135.195	137.000	146153	0.000	0.298	0.0	4.7
DRAWDOWN	SL_B800-2	PERC	49.01	135.187	137.000	146106	0.000	0.294	0.0	4.7
DRAWDOWN	SL_B800-2	PERC	50.01	135.180	137.000	146060	0.000	0.290	0.0	4.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	51.01	135.173	137.000	146015	0.000	0.286	0.0	4.8
DRAWDOWN	SL_B800-2	PERC	52.01	135.166	137.000	145970	0.000	0.283	0.0	4.8
DRAWDOWN	SL_B800-2	PERC	53.01	135.159	137.000	145925	0.000	0.279	0.0	4.8
DRAWDOWN	SL_B800-2	PERC	54.01	135.152	137.000	145882	0.000	0.276	0.0	4.8
DRAWDOWN	SL_B800-2	PERC	55.01	135.145	137.000	145839	0.000	0.272	0.0	4.9
DRAWDOWN	SL_B800-2	PERC	56.01	135.139	137.000	145796	0.000	0.269	0.0	4.9
DRAWDOWN	SL_B800-2	PERC	57.01	135.132	137.000	145754	0.000	0.266	0.0	4.9
DRAWDOWN	SL_B800-2	PERC	58.01	135.126	137.000	145712	0.000	0.262	0.0	4.9
DRAWDOWN	SL_B800-2	PERC	59.01	135.119	137.000	145671	0.000	0.259	0.0	5.0
DRAWDOWN	SL_B800-2	PERC	60.01	135.113	137.000	145630	0.000	0.256	0.0	5.0
DRAWDOWN	SL_B800-2	PERC	61.01	135.106	137.000	145590	0.000	0.254	0.0	5.0
DRAWDOWN	SL_B800-2	PERC	62.01	135.100	137.000	145550	0.000	0.251	0.0	5.0
DRAWDOWN	SL_B800-2	PERC	63.01	135.094	137.000	145511	0.000	0.248	0.0	5.0
DRAWDOWN	SL_B800-2	PERC	64.01	135.088	137.000	145472	0.000	0.245	0.0	5.1
DRAWDOWN	SL_B800-2	PERC	65.01	135.082	137.000	145433	0.000	0.243	0.0	5.1
DRAWDOWN	SL_B800-2	PERC	66.01	135.076	137.000	145395	0.000	0.240	0.0	5.1
DRAWDOWN	SL_B800-2	PERC	67.01	135.070	137.000	145357	0.000	0.237	0.0	5.1
DRAWDOWN	SL_B800-2	PERC	68.01	135.064	137.000	145320	0.000	0.235	0.0	5.1
DRAWDOWN	SL_B800-2	PERC	69.01	135.058	137.000	145283	0.000	0.233	0.0	5.2
DRAWDOWN	SL_B800-2	PERC	70.01	135.053	137.000	145246	0.000	0.230	0.0	5.2
DRAWDOWN	SL_B800-2	PERC	71.01	135.047	137.000	145210	0.000	0.228	0.0	5.2
DRAWDOWN	SL_B800-2	PERC	72.01	135.041	137.000	145174	0.000	0.226	0.0	5.2
DRAWDOWN	SL_B800-2	PERC	73.01	135.036	137.000	145138	0.000	0.224	0.0	5.2
DRAWDOWN	SL_B800-2	PERC	74.01	135.030	137.000	145103	0.000	0.221	0.0	5.3
DRAWDOWN	SL_B800-2	PERC	75.01	135.025	137.000	145068	0.000	0.219	0.0	5.3
DRAWDOWN	SL_B800-2	PERC	76.01	135.019	137.000	145034	0.000	0.217	0.0	5.3
DRAWDOWN	SL_B800-2	PERC	77.01	135.014	137.000	144999	0.000	0.215	0.0	5.3
DRAWDOWN	SL_B800-2	PERC	78.01	135.009	137.000	144965	0.000	0.213	0.0	5.3
DRAWDOWN	SL_B800-2	PERC	79.01	135.003	137.000	144932	0.000	0.211	0.0	5.3
DRAWDOWN	SL_B800-2	PERC	80.01	134.998	137.000	144898	0.000	0.209	0.0	5.4
DRAWDOWN	SL_B800-2	PERC	81.01	134.993	137.000	144865	0.000	0.208	0.0	5.4
DRAWDOWN	SL_B800-2	PERC	82.01	134.988	137.000	144832	0.000	0.206	0.0	5.4
DRAWDOWN	SL_B800-2	PERC	83.01	134.983	137.000	144800	0.000	0.204	0.0	5.4
DRAWDOWN	SL_B800-2	PERC	84.01	134.978	137.000	144767	0.000	0.202	0.0	5.4
DRAWDOWN	SL_B800-2	PERC	85.01	134.973	137.000	144735	0.000	0.200	0.0	5.4
DRAWDOWN	SL_B800-2	PERC	86.01	134.968	137.000	144704	0.000	0.199	0.0	5.5
DRAWDOWN	SL_B800-2	PERC	87.01	134.963	137.000	144672	0.000	0.197	0.0	5.5
DRAWDOWN	SL_B800-2	PERC	88.01	134.958	137.000	144641	0.000	0.196	0.0	5.5
DRAWDOWN	SL_B800-2	PERC	89.01	134.953	137.000	144610	0.000	0.194	0.0	5.5
DRAWDOWN	SL_B800-2	PERC	90.01	134.948	137.000	144579	0.000	0.192	0.0	5.5
DRAWDOWN	SL_B800-2	PERC	91.01	134.944	137.000	144549	0.000	0.191	0.0	5.5
DRAWDOWN	SL_B800-2	PERC	92.01	134.939	137.000	144519	0.000	0.189	0.0	5.6
DRAWDOWN	SL_B800-2	PERC	93.01	134.934	137.000	144489	0.000	0.188	0.0	5.6
DRAWDOWN	SL_B800-2	PERC	94.01	134.929	137.000	144459	0.000	0.186	0.0	5.6
DRAWDOWN	SL_B800-2	PERC	95.01	134.925	137.000	144429	0.000	0.185	0.0	5.6
DRAWDOWN	SL_B800-2	PERC	96.01	134.920	137.000	144400	0.000	0.184	0.0	5.6
DRAWDOWN	SL_B800-2	PERC	97.01	134.916	137.000	144371	0.000	0.182	0.0	5.6
DRAWDOWN	SL_B800-2	PERC	98.01	134.911	137.000	144342	0.000	0.181	0.0	5.6
DRAWDOWN	SL_B800-2	PERC	99.01	134.907	137.000	144313	0.000	0.180	0.0	5.7
DRAWDOWN	SL_B800-2	PERC	100.01	134.902	137.000	144285	0.000	0.178	0.0	5.7
DRAWDOWN	SL_B800-2	PERC	101.01	134.898	137.000	144256	0.000	0.177	0.0	5.7

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	102.01	134.893	137.000	144228	0.000	0.176	0.0	5.7
DRAWDOWN	SL_B800-2	PERC	103.01	134.889	137.000	144200	0.000	0.174	0.0	5.7
DRAWDOWN	SL_B800-2	PERC	104.01	134.885	137.000	144172	0.000	0.173	0.0	5.7
DRAWDOWN	SL_B800-2	PERC	105.01	134.880	137.000	144145	0.000	0.172	0.0	5.7
DRAWDOWN	SL_B800-2	PERC	106.01	134.876	137.000	144118	0.000	0.171	0.0	5.8
DRAWDOWN	SL_B800-2	PERC	107.01	134.872	137.000	144090	0.000	0.170	0.0	5.8
DRAWDOWN	SL_B800-2	PERC	108.01	134.868	137.000	144063	0.000	0.169	0.0	5.8
DRAWDOWN	SL_B800-2	PERC	109.01	134.863	137.000	144037	0.000	0.167	0.0	5.8
DRAWDOWN	SL_B800-2	PERC	110.01	134.859	137.000	144010	0.000	0.166	0.0	5.8
DRAWDOWN	SL_B800-2	PERC	111.01	134.855	137.000	143983	0.000	0.165	0.0	5.8
DRAWDOWN	SL_B800-2	PERC	112.01	134.851	137.000	143957	0.000	0.164	0.0	5.8
DRAWDOWN	SL_B800-2	PERC	113.01	134.847	137.000	143931	0.000	0.163	0.0	5.9
DRAWDOWN	SL_B800-2	PERC	114.01	134.843	137.000	143905	0.000	0.162	0.0	5.9
DRAWDOWN	SL_B800-2	PERC	115.01	134.839	137.000	143879	0.000	0.161	0.0	5.9
DRAWDOWN	SL_B800-2	PERC	116.01	134.835	137.000	143854	0.000	0.160	0.0	5.9
DRAWDOWN	SL_B800-2	PERC	117.01	134.831	137.000	143828	0.000	0.159	0.0	5.9
DRAWDOWN	SL_B800-2	PERC	118.01	134.827	137.000	143803	0.000	0.158	0.0	5.9
DRAWDOWN	SL_B800-2	PERC	119.01	134.823	137.000	143777	0.000	0.157	0.0	5.9
DRAWDOWN	SL_B800-2	PERC	120.01	134.819	137.000	143752	0.000	0.156	0.0	6.0
DRAWDOWN	SL_B800-2	PERC	121.01	134.815	137.000	143727	0.000	0.155	0.0	6.0
DRAWDOWN	SL_B800-2	PERC	122.01	134.811	137.000	143703	0.000	0.154	0.0	6.0
DRAWDOWN	SL_B800-2	PERC	123.01	134.807	137.000	143678	0.000	0.153	0.0	6.0
DRAWDOWN	SL_B800-2	PERC	124.01	134.803	137.000	143654	0.000	0.152	0.0	6.0
DRAWDOWN	SL_B800-2	PERC	125.01	134.800	137.000	143629	0.000	0.152	0.0	6.0
DRAWDOWN	SL_B800-2	PERC	126.01	134.796	137.000	143605	0.000	0.151	0.0	6.0
DRAWDOWN	SL_B800-2	PERC	127.01	134.792	137.000	143581	0.000	0.150	0.0	6.0
DRAWDOWN	SL_B800-2	PERC	128.01	134.788	137.000	143557	0.000	0.149	0.0	6.1
DRAWDOWN	SL_B800-2	PERC	129.01	134.785	137.000	143533	0.000	0.148	0.0	6.1
DRAWDOWN	SL_B800-2	PERC	130.01	134.781	137.000	143510	0.000	0.147	0.0	6.1
DRAWDOWN	SL_B800-2	PERC	131.01	134.777	137.000	143486	0.000	0.146	0.0	6.1
DRAWDOWN	SL_B800-2	PERC	132.01	134.774	137.000	143463	0.000	0.146	0.0	6.1
DRAWDOWN	SL_B800-2	PERC	133.01	134.770	137.000	143439	0.000	0.145	0.0	6.1
DRAWDOWN	SL_B800-2	PERC	134.01	134.766	137.000	143416	0.000	0.144	0.0	6.1
DRAWDOWN	SL_B800-2	PERC	135.01	134.763	137.000	143393	0.000	0.143	0.0	6.1
DRAWDOWN	SL_B800-2	PERC	136.01	134.759	137.000	143370	0.000	0.143	0.0	6.1
DRAWDOWN	SL_B800-2	PERC	137.01	134.755	137.000	143347	0.000	0.142	0.0	6.2
DRAWDOWN	SL_B800-2	PERC	138.01	134.752	137.000	143325	0.000	0.141	0.0	6.2
DRAWDOWN	SL_B800-2	PERC	139.01	134.748	137.000	143302	0.000	0.140	0.0	6.2
DRAWDOWN	SL_B800-2	PERC	140.01	134.745	137.000	143280	0.000	0.140	0.0	6.2
DRAWDOWN	SL_B800-2	PERC	141.01	134.741	137.000	143257	0.000	0.139	0.0	6.2
DRAWDOWN	SL_B800-2	PERC	142.01	134.738	137.000	143235	0.000	0.138	0.0	6.2
DRAWDOWN	SL_B800-2	PERC	143.01	134.734	137.000	143213	0.000	0.137	0.0	6.2
DRAWDOWN	SL_B800-2	PERC	144.01	134.731	137.000	143191	0.000	0.137	0.0	6.2
DRAWDOWN	SL_B800-2	PERC	145.01	134.728	137.000	143169	0.000	0.136	0.0	6.3
DRAWDOWN	SL_B800-2	PERC	146.01	134.724	137.000	143147	0.000	0.135	0.0	6.3
DRAWDOWN	SL_B800-2	PERC	147.01	134.721	137.000	143125	0.000	0.135	0.0	6.3
DRAWDOWN	SL_B800-2	PERC	148.01	134.717	137.000	143104	0.000	0.134	0.0	6.3
DRAWDOWN	SL_B800-2	PERC	149.01	134.714	137.000	143082	0.000	0.133	0.0	6.3
DRAWDOWN	SL_B800-2	PERC	150.01	134.711	137.000	143061	0.000	0.133	0.0	6.3
DRAWDOWN	SL_B800-2	PERC	151.01	134.707	137.000	143040	0.000	0.132	0.0	6.3
DRAWDOWN	SL_B800-2	PERC	152.01	134.704	137.000	143018	0.000	0.132	0.0	6.3

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	153.01	134.701	137.000	142997	0.000	0.131	0.0	6.3
DRAWDOWN	SL_B800-2	PERC	154.01	134.697	137.000	142976	0.000	0.130	0.0	6.4
DRAWDOWN	SL_B800-2	PERC	155.01	134.694	137.000	142955	0.000	0.130	0.0	6.4
DRAWDOWN	SL_B800-2	PERC	156.01	134.691	137.000	142935	0.000	0.129	0.0	6.4
DRAWDOWN	SL_B800-2	PERC	157.01	134.688	137.000	142914	0.000	0.129	0.0	6.4
DRAWDOWN	SL_B800-2	PERC	158.01	134.684	137.000	142893	0.000	0.128	0.0	6.4
DRAWDOWN	SL_B800-2	PERC	159.01	134.681	137.000	142873	0.000	0.127	0.0	6.4
DRAWDOWN	SL_B800-2	PERC	160.01	134.678	137.000	142852	0.000	0.127	0.0	6.4
DRAWDOWN	SL_B800-2	PERC	161.01	134.675	137.000	142832	0.000	0.126	0.0	6.4
DRAWDOWN	SL_B800-2	PERC	162.01	134.672	137.000	142811	0.000	0.126	0.0	6.4
DRAWDOWN	SL_B800-2	PERC	163.01	134.668	137.000	142791	0.000	0.125	0.0	6.4
DRAWDOWN	SL_B800-2	PERC	164.01	134.665	137.000	142771	0.000	0.125	0.0	6.5
DRAWDOWN	SL_B800-2	PERC	165.01	134.662	137.000	142751	0.000	0.124	0.0	6.5
DRAWDOWN	SL_B800-2	PERC	166.01	134.659	137.000	142731	0.000	0.124	0.0	6.5
DRAWDOWN	SL_B800-2	PERC	167.01	134.656	137.000	142711	0.000	0.123	0.0	6.5
DRAWDOWN	SL_B800-2	PERC	168.01	134.653	137.000	142692	0.000	0.122	0.0	6.5
DRAWDOWN	SL_B800-2	PERC	169.01	134.650	137.000	142672	0.000	0.122	0.0	6.5
DRAWDOWN	SL_B800-2	PERC	170.01	134.647	137.000	142652	0.000	0.121	0.0	6.5
DRAWDOWN	SL_B800-2	PERC	171.01	134.644	137.000	142633	0.000	0.121	0.0	6.5
DRAWDOWN	SL_B800-2	PERC	172.01	134.641	137.000	142613	0.000	0.120	0.0	6.5
DRAWDOWN	SL_B800-2	PERC	173.01	134.638	137.000	142594	0.000	0.120	0.0	6.5
DRAWDOWN	SL_B800-2	PERC	174.01	134.635	137.000	142575	0.000	0.119	0.0	6.6
DRAWDOWN	SL_B800-2	PERC	175.01	134.631	137.000	142555	0.000	0.119	0.0	6.6
DRAWDOWN	SL_B800-2	PERC	176.01	134.629	137.000	142536	0.000	0.118	0.0	6.6
DRAWDOWN	SL_B800-2	PERC	177.01	134.626	137.000	142517	0.000	0.118	0.0	6.6
DRAWDOWN	SL_B800-2	PERC	178.01	134.623	137.000	142498	0.000	0.118	0.0	6.6
DRAWDOWN	SL_B800-2	PERC	179.01	134.620	137.000	142479	0.000	0.117	0.0	6.6
DRAWDOWN	SL_B800-2	PERC	180.01	134.617	137.000	142460	0.000	0.117	0.0	6.6
DRAWDOWN	SL_B800-2	PERC	181.01	134.614	137.000	142442	0.000	0.116	0.0	6.6
DRAWDOWN	SL_B800-2	PERC	182.01	134.611	137.000	142423	0.000	0.116	0.0	6.6
DRAWDOWN	SL_B800-2	PERC	183.01	134.608	137.000	142404	0.000	0.115	0.0	6.6
DRAWDOWN	SL_B800-2	PERC	184.01	134.605	137.000	142386	0.000	0.115	0.0	6.7
DRAWDOWN	SL_B800-2	PERC	185.01	134.602	137.000	142367	0.000	0.114	0.0	6.7
DRAWDOWN	SL_B800-2	PERC	186.01	134.599	137.000	142349	0.000	0.114	0.0	6.7
DRAWDOWN	SL_B800-2	PERC	187.01	134.596	137.000	142330	0.000	0.113	0.0	6.7
DRAWDOWN	SL_B800-2	PERC	188.01	134.593	137.000	142312	0.000	0.113	0.0	6.7
DRAWDOWN	SL_B800-2	PERC	189.01	134.591	137.000	142294	0.000	0.113	0.0	6.7
DRAWDOWN	SL_B800-2	PERC	190.01	134.588	137.000	142276	0.000	0.112	0.0	6.7
DRAWDOWN	SL_B800-2	PERC	191.01	134.585	137.000	142257	0.000	0.112	0.0	6.7
DRAWDOWN	SL_B800-2	PERC	192.01	134.582	137.000	142239	0.000	0.111	0.0	6.7
DRAWDOWN	SL_B800-2	PERC	193.01	134.579	137.000	142221	0.000	0.111	0.0	6.7
DRAWDOWN	SL_B800-2	PERC	194.01	134.576	137.000	142204	0.000	0.111	0.0	6.7
DRAWDOWN	SL_B800-2	PERC	195.01	134.574	137.000	142186	0.000	0.110	0.0	6.8
DRAWDOWN	SL_B800-2	PERC	196.01	134.571	137.000	142168	0.000	0.110	0.0	6.8
DRAWDOWN	SL_B800-2	PERC	197.01	134.568	137.000	142150	0.000	0.109	0.0	6.8
DRAWDOWN	SL_B800-2	PERC	198.01	134.565	137.000	142133	0.000	0.109	0.0	6.8
DRAWDOWN	SL_B800-2	PERC	199.01	134.563	137.000	142115	0.000	0.109	0.0	6.8
DRAWDOWN	SL_B800-2	PERC	200.01	134.560	137.000	142097	0.000	0.108	0.0	6.8
DRAWDOWN	SL_B800-2	PERC	201.01	134.557	137.000	142080	0.000	0.108	0.0	6.8
DRAWDOWN	SL_B800-2	PERC	202.01	134.554	137.000	142062	0.000	0.107	0.0	6.8
DRAWDOWN	SL_B800-2	PERC	203.01	134.552	137.000	142045	0.000	0.107	0.0	6.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	204.01	134.549	137.000	142028	0.000	0.107	0.0	6.8
DRAWDOWN	SL_B800-2	PERC	205.01	134.546	137.000	142011	0.000	0.106	0.0	6.8
DRAWDOWN	SL_B800-2	PERC	206.01	134.544	137.000	141993	0.000	0.106	0.0	6.9
DRAWDOWN	SL_B800-2	PERC	207.01	134.541	137.000	141976	0.000	0.106	0.0	6.9
DRAWDOWN	SL_B800-2	PERC	208.01	134.538	137.000	141959	0.000	0.105	0.0	6.9
DRAWDOWN	SL_B800-2	PERC	209.01	134.536	137.000	141942	0.000	0.105	0.0	6.9
DRAWDOWN	SL_B800-2	PERC	210.01	134.533	137.000	141925	0.000	0.105	0.0	6.9
DRAWDOWN	SL_B800-2	PERC	211.01	134.530	137.000	141908	0.000	0.104	0.0	6.9
DRAWDOWN	SL_B800-2	PERC	212.01	134.528	137.000	141891	0.000	0.104	0.0	6.9
DRAWDOWN	SL_B800-2	PERC	213.01	134.525	137.000	141875	0.000	0.103	0.0	6.9
DRAWDOWN	SL_B800-2	PERC	214.01	134.522	137.000	141858	0.000	0.103	0.0	6.9
DRAWDOWN	SL_B800-2	PERC	215.01	134.520	137.000	141841	0.000	0.103	0.0	6.9
DRAWDOWN	SL_B800-2	PERC	216.01	134.517	137.000	141825	0.000	0.102	0.0	6.9
DRAWDOWN	SL_B800-2	PERC	217.01	134.515	137.000	141808	0.000	0.102	0.0	6.9
DRAWDOWN	SL_B800-2	PERC	218.01	134.512	137.000	141791	0.000	0.102	0.0	7.0
DRAWDOWN	SL_B800-2	PERC	219.01	134.509	137.000	141775	0.000	0.101	0.0	7.0
DRAWDOWN	SL_B800-2	PERC	220.01	134.507	137.000	141758	0.000	0.101	0.0	7.0
DRAWDOWN	SL_B800-2	PERC	221.01	134.504	137.000	141742	0.000	0.101	0.0	7.0
DRAWDOWN	SL_B800-2	PERC	222.01	134.502	137.000	141726	0.000	0.101	0.0	7.0
DRAWDOWN	SL_B800-2	PERC	223.01	134.499	137.000	141709	0.000	0.100	0.0	7.0
DRAWDOWN	SL_B800-2	PERC	224.01	134.497	137.000	141693	0.000	0.100	0.0	7.0
DRAWDOWN	SL_B800-2	PERC	225.01	134.494	137.000	141677	0.000	0.100	0.0	7.0
DRAWDOWN	SL_B800-2	PERC	226.01	134.492	137.000	141661	0.000	0.099	0.0	7.0
DRAWDOWN	SL_B800-2	PERC	227.01	134.489	137.000	141645	0.000	0.099	0.0	7.0
DRAWDOWN	SL_B800-2	PERC	228.01	134.486	137.000	141629	0.000	0.099	0.0	7.0
DRAWDOWN	SL_B800-2	PERC	229.01	134.484	137.000	141613	0.000	0.098	0.0	7.0
DRAWDOWN	SL_B800-2	PERC	230.01	134.481	137.000	141597	0.000	0.098	0.0	7.1
DRAWDOWN	SL_B800-2	PERC	231.01	134.479	137.000	141581	0.000	0.098	0.0	7.1
DRAWDOWN	SL_B800-2	PERC	232.01	134.476	137.000	141565	0.000	0.097	0.0	7.1
DRAWDOWN	SL_B800-2	PERC	233.01	134.474	137.000	141549	0.000	0.097	0.0	7.1
DRAWDOWN	SL_B800-2	PERC	234.01	134.472	137.000	141533	0.000	0.097	0.0	7.1
DRAWDOWN	SL_B800-2	PERC	235.01	134.469	137.000	141518	0.000	0.097	0.0	7.1
DRAWDOWN	SL_B800-2	PERC	236.01	134.467	137.000	141502	0.000	0.096	0.0	7.1
DRAWDOWN	SL_B800-2	PERC	237.01	134.464	137.000	141486	0.000	0.096	0.0	7.1
DRAWDOWN	SL_B800-2	PERC	238.01	134.462	137.000	141471	0.000	0.096	0.0	7.1
DRAWDOWN	SL_B800-2	PERC	239.01	134.459	137.000	141455	0.000	0.095	0.0	7.1
DRAWDOWN	SL_B800-2	PERC	240.01	134.457	137.000	141440	0.000	0.095	0.0	7.1
DRAWDOWN	SL_B800-2	PERC	241.01	134.454	137.000	141424	0.000	0.095	0.0	7.1
DRAWDOWN	SL_B800-2	PERC	242.01	134.452	137.000	141409	0.000	0.095	0.0	7.2
DRAWDOWN	SL_B800-2	PERC	243.01	134.450	137.000	141394	0.000	0.094	0.0	7.2
DRAWDOWN	SL_B800-2	PERC	244.01	134.447	137.000	141378	0.000	0.094	0.0	7.2
DRAWDOWN	SL_B800-2	PERC	245.01	134.445	137.000	141363	0.000	0.094	0.0	7.2
DRAWDOWN	SL_B800-2	PERC	246.01	134.442	137.000	141348	0.000	0.094	0.0	7.2
DRAWDOWN	SL_B800-2	PERC	247.01	134.440	137.000	141333	0.000	0.093	0.0	7.2
DRAWDOWN	SL_B800-2	PERC	248.01	134.438	137.000	141317	0.000	0.093	0.0	7.2
DRAWDOWN	SL_B800-2	PERC	249.01	134.435	137.000	141302	0.000	0.093	0.0	7.2
DRAWDOWN	SL_B800-2	PERC	250.01	134.433	137.000	141287	0.000	0.093	0.0	7.2
DRAWDOWN	SL_B800-2	PERC	251.01	134.431	137.000	141272	0.000	0.092	0.0	7.2
DRAWDOWN	SL_B800-2	PERC	252.01	134.428	137.000	141257	0.000	0.092	0.0	7.2
DRAWDOWN	SL_B800-2	PERC	253.01	134.426	137.000	141242	0.000	0.092	0.0	7.2
DRAWDOWN	SL_B800-2	PERC	254.01	134.424	137.000	141227	0.000	0.091	0.0	7.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	255.01	134.421	137.000	141212	0.000	0.091	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	256.01	134.419	137.000	141198	0.000	0.091	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	257.01	134.417	137.000	141183	0.000	0.091	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	258.01	134.414	137.000	141168	0.000	0.090	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	259.01	134.412	137.000	141153	0.000	0.090	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	260.01	134.410	137.000	141139	0.000	0.090	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	261.01	134.407	137.000	141124	0.000	0.090	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	262.01	134.405	137.000	141109	0.000	0.090	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	263.01	134.403	137.000	141095	0.000	0.089	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	264.01	134.401	137.000	141080	0.000	0.089	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	265.01	134.398	137.000	141066	0.000	0.089	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	266.01	134.396	137.000	141051	0.000	0.089	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	267.01	134.394	137.000	141037	0.000	0.088	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	268.01	134.392	137.000	141022	0.000	0.088	0.0	7.3
DRAWDOWN	SL_B800-2	PERC	269.01	134.389	137.000	141008	0.000	0.088	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	270.01	134.387	137.000	140994	0.000	0.088	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	271.01	134.385	137.000	140979	0.000	0.087	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	272.01	134.383	137.000	140965	0.000	0.087	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	273.01	134.380	137.000	140951	0.000	0.087	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	274.01	134.378	137.000	140937	0.000	0.087	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	275.01	134.376	137.000	140923	0.000	0.087	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	276.01	134.374	137.000	140909	0.000	0.086	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	277.01	134.372	137.000	140894	0.000	0.086	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	278.01	134.369	137.000	140880	0.000	0.086	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	279.01	134.367	137.000	140866	0.000	0.086	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	280.01	134.365	137.000	140852	0.000	0.085	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	281.01	134.363	137.000	140839	0.000	0.085	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	282.01	134.361	137.000	140825	0.000	0.085	0.0	7.4
DRAWDOWN	SL_B800-2	PERC	283.01	134.358	137.000	140811	0.000	0.085	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	284.01	134.356	137.000	140797	0.000	0.085	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	285.01	134.354	137.000	140783	0.000	0.084	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	286.01	134.352	137.000	140769	0.000	0.084	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	287.01	134.350	137.000	140756	0.000	0.084	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	288.01	134.348	137.000	140742	0.000	0.084	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	289.01	134.346	137.000	140728	0.000	0.084	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	290.01	134.343	137.000	140714	0.000	0.083	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	291.01	134.341	137.000	140701	0.000	0.083	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	292.01	134.339	137.000	140687	0.000	0.083	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	293.01	134.337	137.000	140674	0.000	0.083	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	294.01	134.335	137.000	140660	0.000	0.083	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	295.01	134.333	137.000	140647	0.000	0.082	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	296.01	134.331	137.000	140633	0.000	0.082	0.0	7.5
DRAWDOWN	SL_B800-2	PERC	297.01	134.329	137.000	140620	0.000	0.082	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	298.01	134.326	137.000	140606	0.000	0.082	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	299.01	134.324	137.000	140593	0.000	0.082	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	300.01	134.322	137.000	140580	0.000	0.081	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	301.01	134.320	137.000	140566	0.000	0.081	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	302.01	134.318	137.000	140553	0.000	0.081	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	303.01	134.316	137.000	140540	0.000	0.081	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	304.01	134.314	137.000	140527	0.000	0.081	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	305.01	134.312	137.000	140513	0.000	0.081	0.0	7.6

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	306.01	134.310	137.000	140500	0.000	0.080	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	307.01	134.308	137.000	140487	0.000	0.080	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	308.01	134.306	137.000	140474	0.000	0.080	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	309.01	134.304	137.000	140461	0.000	0.080	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	310.01	134.302	137.000	140448	0.000	0.080	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	311.01	134.300	137.000	140435	0.000	0.079	0.0	7.6
DRAWDOWN	SL_B800-2	PERC	312.01	134.298	137.000	140422	0.000	0.079	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	313.01	134.296	137.000	140409	0.000	0.079	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	314.01	134.293	137.000	140396	0.000	0.079	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	315.01	134.291	137.000	140383	0.000	0.079	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	316.01	134.289	137.000	140370	0.000	0.079	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	317.01	134.287	137.000	140357	0.000	0.078	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	318.01	134.285	137.000	140344	0.000	0.078	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	319.01	134.283	137.000	140331	0.000	0.078	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	320.01	134.281	137.000	140319	0.000	0.078	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	321.01	134.279	137.000	140306	0.000	0.078	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	322.01	134.277	137.000	140293	0.000	0.078	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	323.01	134.275	137.000	140280	0.000	0.077	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	324.01	134.273	137.000	140268	0.000	0.077	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	325.01	134.271	137.000	140255	0.000	0.077	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	326.01	134.269	137.000	140243	0.000	0.077	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	327.01	134.268	137.000	140230	0.000	0.077	0.0	7.7
DRAWDOWN	SL_B800-2	PERC	328.01	134.266	137.000	140217	0.000	0.077	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	329.01	134.264	137.000	140205	0.000	0.076	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	330.01	134.262	137.000	140192	0.000	0.076	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	331.01	134.260	137.000	140180	0.000	0.076	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	332.01	134.258	137.000	140167	0.000	0.076	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	333.01	134.256	137.000	140155	0.000	0.076	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	334.01	134.254	137.000	140142	0.000	0.076	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	335.01	134.252	137.000	140130	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	336.01	134.250	137.000	140118	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	337.01	134.248	137.000	140105	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	338.01	134.246	137.000	140093	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	339.01	134.244	137.000	140081	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	340.01	134.242	137.000	140068	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	341.01	134.240	137.000	140056	0.000	0.075	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	342.01	134.238	137.000	140044	0.000	0.074	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	343.01	134.236	137.000	140032	0.000	0.074	0.0	7.8
DRAWDOWN	SL_B800-2	PERC	344.01	134.235	137.000	140019	0.000	0.074	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	345.01	134.233	137.000	140007	0.000	0.074	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	346.01	134.231	137.000	139995	0.000	0.074	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	347.01	134.229	137.000	139983	0.000	0.074	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	348.01	134.227	137.000	139971	0.000	0.074	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	349.01	134.225	137.000	139959	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	350.01	134.223	137.000	139947	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	351.01	134.221	137.000	139935	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	352.01	134.219	137.000	139923	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	353.01	134.218	137.000	139911	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	354.01	134.216	137.000	139899	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	355.01	134.214	137.000	139887	0.000	0.073	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	356.01	134.212	137.000	139875	0.000	0.072	0.0	7.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	357.01	134.210	137.000	139863	0.000	0.072	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	358.01	134.208	137.000	139851	0.000	0.072	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	359.01	134.206	137.000	139839	0.000	0.072	0.0	7.9
DRAWDOWN	SL_B800-2	PERC	360.01	134.205	137.000	139828	0.000	0.072	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	361.01	134.203	137.000	139816	0.000	0.072	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	362.01	134.201	137.000	139804	0.000	0.072	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	363.01	134.199	137.000	139792	0.000	0.071	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	364.01	134.197	137.000	139780	0.000	0.071	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	365.01	134.195	137.000	139769	0.000	0.071	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	366.01	134.194	137.000	139757	0.000	0.071	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	367.01	134.192	137.000	139745	0.000	0.071	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	368.01	134.190	137.000	139734	0.000	0.071	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	369.01	134.188	137.000	139722	0.000	0.071	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	370.01	134.186	137.000	139710	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	371.01	134.184	137.000	139699	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	372.01	134.183	137.000	139687	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	373.01	134.181	137.000	139676	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	374.01	134.179	137.000	139664	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	375.01	134.177	137.000	139653	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	376.01	134.175	137.000	139641	0.000	0.070	0.0	8.0
DRAWDOWN	SL_B800-2	PERC	377.01	134.174	137.000	139630	0.000	0.070	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	378.01	134.172	137.000	139618	0.000	0.069	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	379.01	134.170	137.000	139607	0.000	0.069	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	380.01	134.168	137.000	139595	0.000	0.069	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	381.01	134.166	137.000	139584	0.000	0.069	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	382.01	134.165	137.000	139573	0.000	0.069	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	383.01	134.163	137.000	139561	0.000	0.069	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	384.01	134.161	137.000	139550	0.000	0.069	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	385.01	134.159	137.000	139539	0.000	0.069	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	386.01	134.158	137.000	139527	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	387.01	134.156	137.000	139516	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	388.01	134.154	137.000	139505	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	389.01	134.152	137.000	139494	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	390.01	134.151	137.000	139482	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	391.01	134.149	137.000	139471	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	392.01	134.147	137.000	139460	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	393.01	134.145	137.000	139449	0.000	0.068	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	394.01	134.144	137.000	139438	0.000	0.067	0.0	8.1
DRAWDOWN	SL_B800-2	PERC	395.01	134.142	137.000	139427	0.000	0.067	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	396.01	134.140	137.000	139416	0.000	0.067	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	397.01	134.138	137.000	139405	0.000	0.067	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	398.01	134.137	137.000	139393	0.000	0.067	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	399.01	134.135	137.000	139382	0.000	0.067	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	400.01	134.133	137.000	139371	0.000	0.067	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	401.01	134.131	137.000	139360	0.000	0.067	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	402.01	134.130	137.000	139349	0.000	0.067	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	403.01	134.128	137.000	139338	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	404.01	134.126	137.000	139327	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	405.01	134.125	137.000	139317	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	406.01	134.123	137.000	139306	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	407.01	134.121	137.000	139295	0.000	0.066	0.0	8.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	408.01	134.119	137.000	139284	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	409.01	134.118	137.000	139273	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	410.01	134.116	137.000	139262	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	411.01	134.114	137.000	139251	0.000	0.066	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	412.01	134.113	137.000	139240	0.000	0.065	0.0	8.2
DRAWDOWN	SL_B800-2	PERC	413.01	134.111	137.000	139230	0.000	0.065	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	414.01	134.109	137.000	139219	0.000	0.065	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	415.01	134.108	137.000	139208	0.000	0.065	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	416.01	134.106	137.000	139197	0.000	0.065	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	417.01	134.104	137.000	139187	0.000	0.065	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	418.01	134.103	137.000	139176	0.000	0.065	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	419.01	134.101	137.000	139165	0.000	0.065	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	420.01	134.099	137.000	139155	0.000	0.065	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	421.01	134.098	137.000	139144	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	422.01	134.096	137.000	139133	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	423.01	134.094	137.000	139123	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	424.01	134.093	137.000	139112	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	425.01	134.091	137.000	139101	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	426.01	134.089	137.000	139091	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	427.01	134.088	137.000	139080	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	428.01	134.086	137.000	139070	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	429.01	134.084	137.000	139059	0.000	0.064	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	430.01	134.083	137.000	139049	0.000	0.063	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	431.01	134.081	137.000	139038	0.000	0.063	0.0	8.3
DRAWDOWN	SL_B800-2	PERC	432.01	134.079	137.000	139028	0.000	0.063	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	433.01	134.078	137.000	139017	0.000	0.063	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	434.01	134.076	137.000	139007	0.000	0.063	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	435.01	134.074	137.000	138996	0.000	0.063	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	436.01	134.073	137.000	138986	0.000	0.063	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	437.01	134.071	137.000	138976	0.000	0.063	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	438.01	134.070	137.000	138965	0.000	0.063	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	439.01	134.068	137.000	138955	0.000	0.063	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	440.01	134.066	137.000	138945	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	441.01	134.065	137.000	138934	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	442.01	134.063	137.000	138924	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	443.01	134.061	137.000	138914	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	444.01	134.060	137.000	138903	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	445.01	134.058	137.000	138893	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	446.01	134.057	137.000	138883	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	447.01	134.055	137.000	138872	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	448.01	134.053	137.000	138862	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	449.01	134.052	137.000	138852	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	450.01	134.050	137.000	138842	0.000	0.062	0.0	8.4
DRAWDOWN	SL_B800-2	PERC	451.01	134.049	137.000	138832	0.000	0.061	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	452.01	134.047	137.000	138821	0.000	0.061	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	453.01	134.045	137.000	138811	0.000	0.061	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	454.01	134.044	137.000	138801	0.000	0.061	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	455.01	134.042	137.000	138791	0.000	0.061	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	456.01	134.041	137.000	138781	0.000	0.061	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	457.01	134.039	137.000	138771	0.000	0.061	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	458.01	134.038	137.000	138761	0.000	0.061	0.0	8.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	459.01	134.036	137.000	138751	0.000	0.061	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	460.01	134.034	137.000	138741	0.000	0.061	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	461.01	134.033	137.000	138731	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	462.01	134.031	137.000	138721	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	463.01	134.030	137.000	138711	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	464.01	134.028	137.000	138701	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	465.01	134.027	137.000	138691	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	466.01	134.025	137.000	138681	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	467.01	134.023	137.000	138671	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	468.01	134.022	137.000	138661	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	469.01	134.020	137.000	138651	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	470.01	134.019	137.000	138641	0.000	0.060	0.0	8.5
DRAWDOWN	SL_B800-2	PERC	471.01	134.017	137.000	138631	0.000	0.060	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	472.01	134.016	137.000	138621	0.000	0.059	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	473.01	134.014	137.000	138611	0.000	0.059	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	474.01	134.013	137.000	138602	0.000	0.059	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	475.01	134.011	137.000	138592	0.000	0.059	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	476.01	134.010	137.000	138582	0.000	0.059	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	477.01	134.008	137.000	138572	0.000	0.059	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	478.01	134.006	137.000	138562	0.000	0.059	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	479.01	134.005	137.000	138552	0.000	0.059	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	480.01	134.003	137.000	138543	0.000	0.059	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	481.01	134.002	137.000	138533	0.000	0.059	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	482.01	134.000	137.000	138523	0.000	0.059	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	483.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	484.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	485.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	486.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	487.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	488.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	489.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	490.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	491.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	492.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	493.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	494.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	495.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	496.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	497.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	498.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	499.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	500.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	501.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	502.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	503.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	504.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	505.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	506.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	507.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	508.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	509.01	134.000	137.000	138521	0.000	0.000	0.0	8.6

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	510.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	511.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	512.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	513.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	514.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	515.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	516.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	517.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	518.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	519.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	520.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	521.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	522.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	523.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	524.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	525.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	526.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	527.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	528.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	529.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	530.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	531.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	532.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	533.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	534.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	535.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	536.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	537.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	538.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	539.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	540.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	541.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	542.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	543.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	544.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	545.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	546.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	547.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	548.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	549.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	550.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	551.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	552.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	553.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	554.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	555.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	556.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	557.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	558.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	559.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	560.01	134.000	137.000	138521	0.000	0.000	0.0	8.6

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	561.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	562.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	563.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	564.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	565.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	566.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	567.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	568.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	569.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	570.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	571.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	572.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	573.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	574.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	575.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	576.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	577.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	578.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	579.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	580.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	581.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	582.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	583.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	584.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	585.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	586.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	587.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	588.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	589.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	590.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	591.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	592.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	593.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	594.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	595.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	596.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	597.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	598.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	599.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	600.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	601.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	602.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	603.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	604.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	605.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	606.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	607.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	608.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	609.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	610.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	611.01	134.000	137.000	138521	0.000	0.000	0.0	8.6

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	612.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	613.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	614.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	615.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	616.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	617.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	618.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	619.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	620.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	621.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	622.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	623.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	624.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	625.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	626.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	627.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	628.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	629.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	630.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	631.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	632.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	633.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	634.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	635.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	636.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	637.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	638.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	639.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	640.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	641.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	642.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	643.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	644.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	645.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	646.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	647.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	648.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	649.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	650.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	651.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	652.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	653.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	654.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	655.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	656.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	657.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	658.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	659.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	660.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	661.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	662.01	134.000	137.000	138521	0.000	0.000	0.0	8.6

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	663.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	664.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	665.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	666.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	667.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	668.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	669.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	670.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	671.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	672.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	673.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	674.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	675.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	676.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	677.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	678.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	679.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	680.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	681.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	682.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	683.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	684.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	685.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	686.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	687.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	688.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	689.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	690.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	691.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	692.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	693.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	694.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	695.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	696.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	697.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	698.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	699.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	700.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	701.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	702.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	703.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	704.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	705.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	706.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	707.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	708.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	709.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	710.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	711.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	712.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	713.01	134.000	137.000	138521	0.000	0.000	0.0	8.6

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B800-2	PERC	714.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	715.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	716.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	717.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	718.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	719.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	720.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	721.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	722.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	723.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	724.01	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	SL_B800-2	PERC	725.00	134.000	137.000	138521	0.000	0.000	0.0	8.6
DRAWDOWN	WQ_B800-2	PERC	0.00	134.070	137.000	138968	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	1.00	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	2.00	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	3.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	4.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	5.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	6.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	7.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	8.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	9.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	10.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	11.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	12.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	13.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	14.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	15.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	16.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	17.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	18.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	19.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	20.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	21.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	22.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	23.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	24.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	25.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	26.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	27.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	28.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	29.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	30.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	31.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	32.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	33.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	34.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	35.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	36.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	37.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B800-2	PERC	38.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	39.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	40.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	41.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	42.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	43.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	44.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	45.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	46.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	47.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	48.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	49.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	50.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	51.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	52.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	53.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	54.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	55.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	56.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	57.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	58.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	59.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	60.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	61.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	62.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	63.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	64.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	65.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	66.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	67.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	68.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	69.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	70.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	71.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	72.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	73.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	74.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	75.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	76.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	77.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	78.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	79.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	80.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	81.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	82.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	83.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	84.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	85.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	86.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	87.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	88.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B800-2	PERC	89.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	90.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	91.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	92.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	93.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	94.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	95.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	96.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	97.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	98.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	99.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	100.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	101.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	102.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	103.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	104.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	105.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	106.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	107.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	108.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	109.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	110.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	111.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	112.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	113.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	114.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	115.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	116.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	117.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	118.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	119.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	120.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	121.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	122.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	123.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	124.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	125.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	126.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	127.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	128.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	129.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	130.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	131.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	132.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	133.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	134.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	135.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	136.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	137.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	138.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	139.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-2	PERC	140.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	141.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	142.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	143.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	144.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	145.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	146.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	147.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	148.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	149.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	150.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	151.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	152.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	153.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	154.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	155.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	156.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	157.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	158.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	159.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	160.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	161.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	162.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	163.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	164.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	165.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	166.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	167.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	168.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	169.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	170.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	171.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	172.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	173.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	174.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	175.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	176.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	177.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	178.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	179.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	180.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	181.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	182.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	183.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	184.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	185.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	186.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	187.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	188.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	189.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	190.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-2	PERC	191.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	192.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	193.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	194.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	195.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	196.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	197.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	198.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	199.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	200.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	201.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	202.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	203.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	204.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	205.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	206.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	207.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	208.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	209.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	210.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	211.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	212.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	213.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	214.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	215.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	216.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	217.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	218.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	219.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	220.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	221.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	222.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	223.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	224.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	225.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	226.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	227.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	228.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	229.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	230.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	231.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	232.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	233.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	234.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	235.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	236.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	237.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	238.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	239.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	240.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	241.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B800-2	PERC	242.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	243.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	244.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	245.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	246.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	247.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	248.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	249.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	250.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	251.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	252.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	253.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	254.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	255.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	256.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	257.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	258.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	259.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	260.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	261.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	262.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	263.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	264.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	265.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	266.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	267.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	268.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	269.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	270.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	271.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	272.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	273.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	274.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	275.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	276.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	277.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	278.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	279.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	280.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	281.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	282.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	283.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	284.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	285.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	286.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	287.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	288.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	289.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	290.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	291.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	292.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-2	PERC	293.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	294.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	295.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	296.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	297.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	298.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	299.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	300.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	301.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	302.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	303.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	304.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	305.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	306.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	307.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	308.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	309.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	310.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	311.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	312.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	313.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	314.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	315.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	316.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	317.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	318.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	319.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	320.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	321.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	322.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	323.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	324.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	325.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	326.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	327.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	328.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	329.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	330.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	331.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	332.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	333.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	334.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	335.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	336.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	337.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	338.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	339.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	340.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	341.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	342.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	343.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B800-2	PERC	344.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	345.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	346.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	347.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	348.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	349.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	350.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	351.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	352.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	353.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	354.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	355.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	356.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	357.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	358.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	359.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	360.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	361.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	362.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	363.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	364.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	365.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	366.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	367.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	368.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	369.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	370.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	371.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	372.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	373.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	374.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	375.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	376.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	377.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	378.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	379.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	380.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	381.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	382.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	383.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	384.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	385.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	386.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	387.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	388.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	389.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	390.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	391.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	392.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	393.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	394.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-2	PERC	395.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	396.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	397.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	398.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	399.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	400.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	401.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	402.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	403.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	404.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	405.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	406.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	407.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	408.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	409.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	410.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	411.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	412.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	413.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	414.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	415.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	416.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	417.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	418.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	419.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	420.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	421.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	422.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	423.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	424.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	425.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	426.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	427.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	428.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	429.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	430.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	431.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	432.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	433.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	434.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	435.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	436.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	437.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	438.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	439.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	440.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	441.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	442.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	443.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	444.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	445.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-2	PERC	446.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	447.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	448.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	449.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	450.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	451.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	452.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	453.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	454.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	455.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	456.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	457.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	458.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	459.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	460.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	461.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	462.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	463.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	464.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	465.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	466.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	467.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	468.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	469.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	470.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	471.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	472.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	473.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	474.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	475.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	476.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	477.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	478.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	479.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	480.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	481.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	482.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	483.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	484.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	485.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	486.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	487.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	488.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	489.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	490.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	491.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	492.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	493.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	494.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	495.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	496.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-2	PERC	497.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	498.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	499.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	500.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	501.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	502.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	503.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	504.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	505.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	506.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	507.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	508.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	509.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	510.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	511.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	512.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	513.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	514.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	515.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	516.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	517.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	518.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	519.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	520.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	521.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	522.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	523.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	524.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	525.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	526.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	527.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	528.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	529.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	530.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	531.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	532.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	533.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	534.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	535.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	536.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	537.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	538.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	539.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	540.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	541.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	542.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	543.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	544.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	545.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	546.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	547.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-2	PERC	548.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	549.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	550.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	551.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	552.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	553.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	554.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	555.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	556.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	557.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	558.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	559.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	560.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	561.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	562.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	563.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	564.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	565.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	566.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	567.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	568.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	569.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	570.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	571.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	572.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	573.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	574.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	575.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	576.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	577.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	578.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	579.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	580.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	581.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	582.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	583.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	584.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	585.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	586.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	587.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	588.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	589.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	590.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	591.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	592.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	593.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	594.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	595.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	596.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	597.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	598.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B800-2	PERC	599.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	600.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	601.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	602.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	603.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	604.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	605.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	606.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	607.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	608.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	609.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	610.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	611.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	612.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	613.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	614.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	615.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	616.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	617.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	618.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	619.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	620.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	621.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	622.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	623.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	624.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	625.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	626.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	627.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	628.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	629.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	630.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	631.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	632.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	633.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	634.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	635.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	636.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	637.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	638.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	639.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	640.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	641.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	642.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	643.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	644.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	645.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	646.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	647.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	648.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	649.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

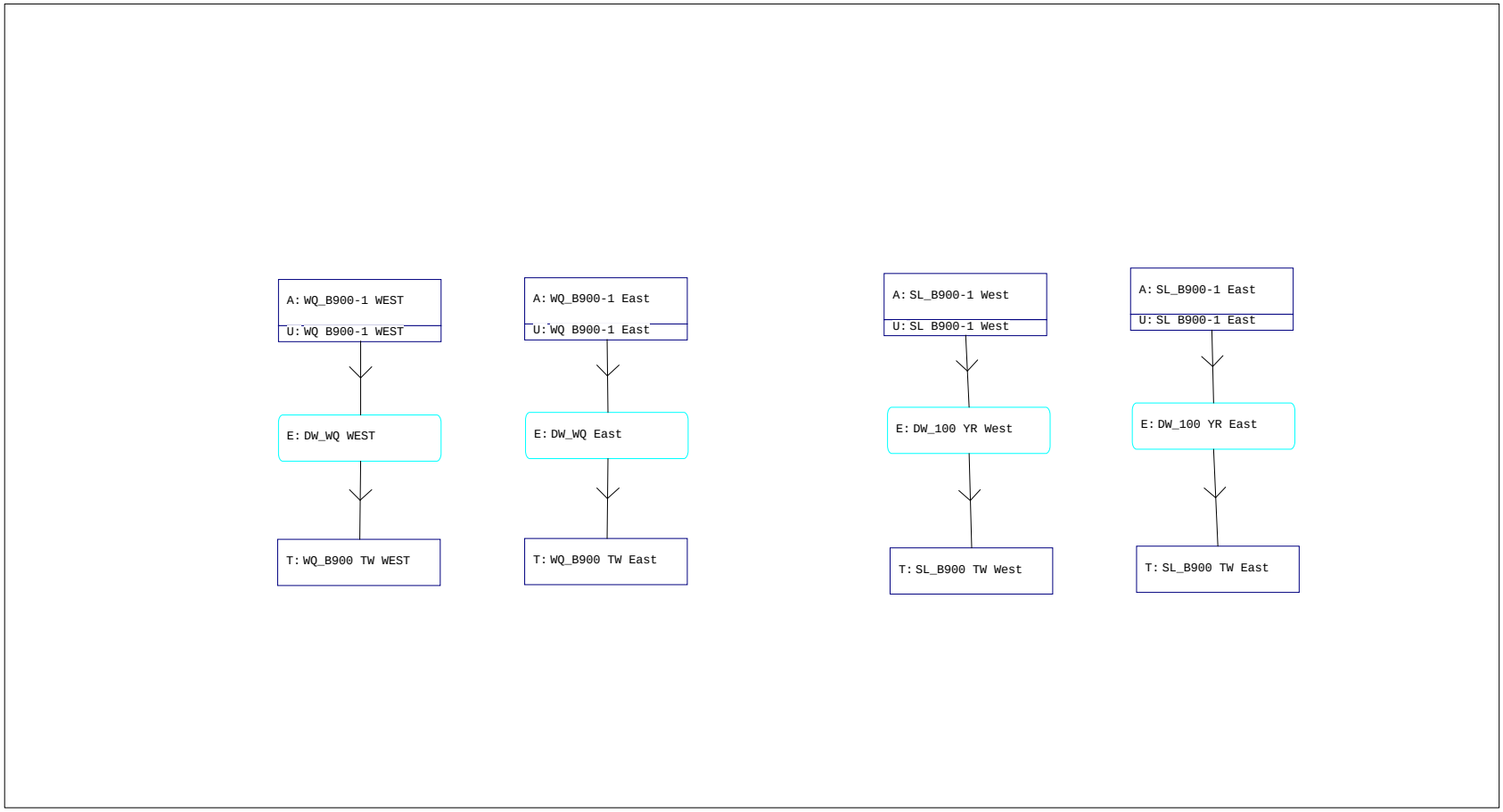
Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-2	PERC	650.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	651.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	652.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	653.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	654.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	655.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	656.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	657.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	658.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	659.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	660.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	661.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	662.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	663.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	664.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	665.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	666.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	667.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	668.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	669.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	670.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	671.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	672.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	673.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	674.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	675.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	676.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	677.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	678.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	679.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	680.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	681.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	682.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	683.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	684.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	685.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	686.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	687.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	688.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	689.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	690.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	691.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	692.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	693.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	694.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	695.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	696.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	697.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	698.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	699.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	700.01	134.000	137.000	138521	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B800-2	PERC	701.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	702.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	703.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	704.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	705.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	706.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	707.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	708.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	709.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	710.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	711.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	712.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	713.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	714.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	715.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	716.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	717.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	718.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	719.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	720.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	721.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	722.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	723.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	724.01	134.000	137.000	138521	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B800-2	PERC	725.00	134.000	137.000	138521	0.000	0.000	0.0	0.0

Nodes
A Stage/Area
V Stage/Volume
T Time/Stage
M Manhole

Basins
O Overland Flow
U SCS Unit CN
S SBUH CN
Y SCS Unit GA
Z SBUH GA

Links
P Pipe
W Weir
C Channel
D Drop Structure
B Bridge
R Rating Curve
H Breach
E Percolation
F Filter
X Exfil Trench



Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

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==== Basins ==========
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Name: SL B900-1 East Node: SL_B900-1 East Status: Onsite
Group: PERC Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 10.00
Area(ac): 0.001 Time Shift(hrs): 0.00
Curve Number: 58.89 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: SL B900-1 West Node: SL_B900-1 West Status: Onsite
Group: PERC Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 10.00
Area(ac): 0.001 Time Shift(hrs): 0.00
Curve Number: 58.89 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WQ B900-1 East Node: WQ_B900-1 East Status: Onsite
Group: PERC Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 10.00
Area(ac): 0.001 Time Shift(hrs): 0.00
Curve Number: 58.89 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: WQ B900-1 WEST Node: WQ_B900-1 WEST Status: Onsite
Group: PERC Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 10.00
Area(ac): 0.001 Time Shift(hrs): 0.00
Curve Number: 58.89 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

==========
==== Nodes ==========
==========

Name: SL_B900 TW East Base Flow(cfs): 0.000 Init Stage(ft): 80.000
Group: PERC Warn Stage(ft): 80.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	80.000
725.00	80.000

Name: SL_B900 TW West Base Flow(cfs): 0.000 Init Stage(ft): 84.500
Group: PERC Warn Stage(ft): 84.500
Type: Time/Stage

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Time(hrs)	Stage(ft)
0.00	84.500
725.00	84.500

Name: SL_B900-1 East Base Flow(cfs): 0.000 Init Stage(ft): 82.910
Group: PERC Warn Stage(ft): 84.000
Type: Stage/Area

This is for Slug Load Cals

Stage(ft)	Area(ac)
80.000	6.0900
83.000	6.7700
84.000	7.0000

Name: SL_B900-1 West Base Flow(cfs): 0.000 Init Stage(ft): 88.790
Group: PERC Warn Stage(ft): 89.000
Type: Stage/Area

This is for Slug Load Cals

Stage(ft)	Area(ac)
84.500	0.8900
89.000	1.2900
90.000	1.3900

Name: WQ_B900 TW East Base Flow(cfs): 0.000 Init Stage(ft): 80.000
Group: PERC Warn Stage(ft): 80.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	80.000
100.00	80.000

Name: WQ_B900 TW WEST Base Flow(cfs): 0.000 Init Stage(ft): 84.500
Group: PERC Warn Stage(ft): 84.500
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	84.500
100.00	84.500

Name: WQ_B900-1 East Base Flow(cfs): 0.000 Init Stage(ft): 80.070
Group: PERC Warn Stage(ft): 83.000
Type: Stage/Area

This is for water quality Cals

Stage(ft)	Area(ac)
80.000	6.0900
83.000	6.7700
84.000	7.0000

Name: WQ_B900-1 WEST Base Flow(cfs): 0.000 Init Stage(ft): 84.610
Group: PERC Warn Stage(ft): 89.000
Type: Stage/Area

Draft

Stage(ft)	Area(ac)
84.500	0.8900
89.000	1.2900
90.000	1.3900

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==== Percolation Links ==========
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Name: DW_100 YR East From Node: SL_B900-1 East Flow: Both
Group: PERC To Node: SL_B900 TW East Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 65.000 Perimeter 1(ft): 2564.000
Water Table Elev(ft): 75.000 Perimeter 2(ft): 2878.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 5705.000
Horiz Conductivity(ft/day): 12.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 12.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 5.000

P-1 = perimeter of Pond 900 at water quality elevation.
P-2 = perimeter of Pond 900 at 50' from water quality elevation.
P-3 = perimeter of Pond 900 at 500' from water quality elevation.
Layer thickness = Pond Bottom Ele. - Water Table Ele. = 80 - 75 = 5.0
Aquifer Base Ele. - Assume 10' below WT
Vert/Horz Conductivity = 12 (Web Soil Survey, Candler Fine Sand, No 13), 6-20 in/hr (12-40 ft/day)
= 12 (Web Soil Survey, Arredondo Fine Sand, No 43), 6-20 in/hr (12-40 ft/da

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Name: DW_100 YR West From Node: SL_B900-1 West Flow: Both
Group: PERC To Node: SL_B900 TW West Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 70.500 Perimeter 1(ft): 1152.000
Water Table Elev(ft): 80.500 Perimeter 2(ft): 1466.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 4294.000
Horiz Conductivity(ft/day): 12.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 12.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 4.00

P-1 = perimeter of Pond 900 at water quality elevation.
P-2 = perimeter of Pond 900 at 50' from water quality elevation.
P-3 = perimeter of Pond 900 at 500' from water quality elevation.
Layer thickness = Pond Bottom Ele. - Water Table Ele. = 84.5-80.5 = 4.0
Aquifer Base Ele. - Assume 10' below WT
Vert/Horz Conductivity = 12 (Web Soil Survey, Candler Fine Sand, No 13), 6-20 in/hr (12-40 ft/day)
= 12 (Web Soil Survey, Arredondo Fine Sand, No 43), 6-20 in/hr (12-40 ft/da

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Name: DW_WQ East From Node: WQ_B900-1 East Flow: Both
Group: PERC To Node: WQ_B900 TW East Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 65.000 Perimeter 1(ft): 2493.000
Water Table Elev(ft): 75.000 Perimeter 2(ft): 2807.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 5634.000
Horiz Conductivity(ft/day): 12.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 12.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 5.000

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P-1 = perimeter of Pond 900 at water quality elevation.
P-2 = perimeter of Pond 900 at 50' from water quality elevation.
P-3 = perimeter of Pond 900 at 500' from water quality elevation.
Layer thickness = Pond Bottom Ele. - Water Table Ele. = 80-75 = 5.0
Aquifer Base Ele. - Assume 10' below WT
Vert/Horz Conductivity = 12 (Web Soil Survey, Candler Fine Sand, No 13), 6-20 in/hr (12-40 ft/day)
= 12 (Web Soil Survey, Arredondo Fine Sand, No 43), 6-20 in/hr (12-40 ft/da

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Name: DW_WQ WEST From Node: WQ_B900-1 WEST Flow: Both
Group: PERC To Node: WQ_B900 TW WEST Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 70.500 Perimeter 1(ft): 1046.000
Water Table Elev(ft): 80.500 Perimeter 2(ft): 1361.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 4188.000
Horiz Conductivity(ft/day): 12.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 12.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 4.000

P-1 = perimeter of Pond 900 at water quality elevation.
P-2 = perimeter of Pond 900 at 50' from water quality elevati
P-3 = perimeter of Pond 900 at 500' from water quality elevati
Layer thickness = Pond Bottom Ele. - Water Table Ele. = 84.5-8
Aquifer Base Ele. - Assume 10' below WT
Vert/Horz Conductivity = 12 (Web Soil Survey, Candler Fine Sand, No 13), in/hr (12-40 ft/day)
= 12 (Web Soil Survey, ondo Fine Sand, No 43), 6-20 in/hr (12-40 ft/da

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==== Hydrology Simulations ====
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Name: DRAWDOWN
Filename: C:\Users\Hamms\Desktop\US 98\ICPR Fi s\DRAWDOW

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Fdot-24
Rainfall Amount(in): 0.01

Time(hrs)	Print Inc(min)
725.000	10.00

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==== Routing Simulations ====
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Name: DRAWDOWN Hydrology S
Filename: C:\Users\Hamms\Desktop\US 98\ICPR es\DRAWDOWN.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 725.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
725.000	60.000

Group	Run
PERC	Yes

Draft

Draft

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 East	PERC	0.00	82.910	84.000	294013	0.000	0.000	0.0	0.0
DRAWDOWN	SL_B900-1 East	PERC	1.01	82.408	84.000	289055	0.000	40.147	0.0	1.7
DRAWDOWN	SL_B900-1 East	PERC	2.01	81.908	84.000	284119	0.000	39.461	0.0	5.0
DRAWDOWN	SL_B900-1 East	PERC	3.00	81.610	84.000	281180	0.000	5.708	0.0	6.8
DRAWDOWN	SL_B900-1 East	PERC	4.00	81.560	84.000	280680	0.000	3.000	0.0	7.2
DRAWDOWN	SL_B900-1 East	PERC	5.00	81.526	84.000	280351	0.000	2.272	0.0	7.4
DRAWDOWN	SL_B900-1 East	PERC	6.00	81.500	84.000	280089	0.000	1.898	0.0	7.6
DRAWDOWN	SL_B900-1 East	PERC	7.00	81.477	84.000	279864	0.000	1.661	0.0	7.7
DRAWDOWN	SL_B900-1 East	PERC	8.00	81.457	84.000	279664	0.000	1.493	0.0	7.8
DRAWDOWN	SL_B900-1 East	PERC	9.00	81.438	84.000	279482	0.000	1.367	0.0	8.0
DRAWDOWN	SL_B900-1 East	PERC	10.00	81.421	84.000	279315	0.000	1.267	0.0	8.1
DRAWDOWN	SL_B900-1 East	PERC	11.00	81.406	84.000	279159	0.000	1.186	0.0	8.2
DRAWDOWN	SL_B900-1 East	PERC	12.00	81.391	84.000	279012	0.000	1.118	0.0	8.3
DRAWDOWN	SL_B900-1 East	PERC	13.00	81.377	84.000	278873	0.000	1.061	0.0	8.4
DRAWDOWN	SL_B900-1 East	PERC	14.00	81.363	84.000	278741	0.000	1.011	0.0	8.4
DRAWDOWN	SL_B900-1 East	PERC	15.00	81.351	84.000	278615	0.000	0.967	0.0	8.5
DRAWDOWN	SL_B900-1 East	PERC	16.00	81.338	84.000	278494	0.000	0.928	0.0	8.6
DRAWDOWN	SL_B900-1 East	PERC	17.00	81.327	84.000	278378	0.000	0.893	0.0	8.7
DRAWDOWN	SL_B900-1 East	PERC	18.00	81.315	84.000	278266	0.000	0.862	0.0	8.8
DRAWDOWN	SL_B900-1 East	PERC	19.00	81.304	84.000	278158	0.000	0.834	0.0	8.8
DRAWDOWN	SL_B900-1 East	PERC	20.00	81.294	84.000	278053	0.000	0.808	0.0	8.9
DRAWDOWN	SL_B900-1 East	PERC	21.00	81.283	84.000	277951	0.000	0.784	0.0	9.0
DRAWDOWN	SL_B900-1 East	PERC	22.00	81.273	84.000	277852	0.000	0.762	0.0	9.0
DRAWDOWN	SL_B900-1 East	PERC	23.00	81.264	84.000	277756	0.000	0.742	0.0	9.1
DRAWDOWN	SL_B900-1 East	PERC	24.00	81.254	84.000	277662	0.000	0.723	0.0	9.1
DRAWDOWN	SL_B900-1 East	PERC	25.00	81.245	84.000	277571	0.000	0.706	0.0	9.2
DRAWDOWN	SL_B900-1 East	PERC	26.00	81.236	84.000	277481	0.000	0.689	0.0	9.3
DRAWDOWN	SL_B900-1 East	PERC	27.00	81.227	84.000	277394	0.000	0.674	0.0	9.3
DRAWDOWN	SL_B900-1 East	PERC	28.00	81.218	84.000	277309	0.000	0.659	0.0	9.4
DRAWDOWN	SL_B900-1 East	PERC	29.00	81.210	84.000	277225	0.000	0.645	0.0	9.4
DRAWDOWN	SL_B900-1 East	PERC	30.00	81.201	84.000	277143	0.000	0.632	0.0	9.5
DRAWDOWN	SL_B900-1 East	PERC	31.00	81.193	84.000	277063	0.000	0.620	0.0	9.5
DRAWDOWN	SL_B900-1 East	PERC	32.00	81.185	84.000	276984	0.000	0.608	0.0	9.6
DRAWDOWN	SL_B900-1 East	PERC	33.00	81.178	84.000	276907	0.000	0.597	0.0	9.6
DRAWDOWN	SL_B900-1 East	PERC	34.00	81.170	84.000	276831	0.000	0.586	0.0	9.7
DRAWDOWN	SL_B900-1 East	PERC	35.00	81.162	84.000	276756	0.000	0.576	0.0	9.7
DRAWDOWN	SL_B900-1 East	PERC	36.00	81.155	84.000	276683	0.000	0.566	0.0	9.8
DRAWDOWN	SL_B900-1 East	PERC	37.00	81.148	84.000	276611	0.000	0.557	0.0	9.8
DRAWDOWN	SL_B900-1 East	PERC	38.00	81.140	84.000	276540	0.000	0.548	0.0	9.9
DRAWDOWN	SL_B900-1 East	PERC	39.00	81.133	84.000	276470	0.000	0.539	0.0	9.9
DRAWDOWN	SL_B900-1 East	PERC	40.00	81.126	84.000	276401	0.000	0.531	0.0	10.0
DRAWDOWN	SL_B900-1 East	PERC	41.00	81.119	84.000	276333	0.000	0.523	0.0	10.0
DRAWDOWN	SL_B900-1 East	PERC	42.00	81.113	84.000	276266	0.000	0.515	0.0	10.0
DRAWDOWN	SL_B900-1 East	PERC	43.00	81.106	84.000	276200	0.000	0.508	0.0	10.1
DRAWDOWN	SL_B900-1 East	PERC	44.00	81.099	84.000	276136	0.000	0.501	0.0	10.1
DRAWDOWN	SL_B900-1 East	PERC	45.00	81.093	84.000	276072	0.000	0.494	0.0	10.2
DRAWDOWN	SL_B900-1 East	PERC	46.00	81.087	84.000	276008	0.000	0.487	0.0	10.2
DRAWDOWN	SL_B900-1 East	PERC	47.00	81.080	84.000	275946	0.000	0.480	0.0	10.2
DRAWDOWN	SL_B900-1 East	PERC	48.00	81.074	84.000	275885	0.000	0.474	0.0	10.3
DRAWDOWN	SL_B900-1 East	PERC	49.00	81.068	84.000	275824	0.000	0.468	0.0	10.3
DRAWDOWN	SL_B900-1 East	PERC	50.00	81.062	84.000	275764	0.000	0.462	0.0	10.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 East	PERC	51.00	81.056	84.000	275705	0.000	0.456	0.0	10.4
DRAWDOWN	SL_B900-1 East	PERC	52.00	81.050	84.000	275646	0.000	0.451	0.0	10.4
DRAWDOWN	SL_B900-1 East	PERC	53.00	81.044	84.000	275589	0.000	0.445	0.0	10.5
DRAWDOWN	SL_B900-1 East	PERC	54.00	81.038	84.000	275532	0.000	0.440	0.0	10.5
DRAWDOWN	SL_B900-1 East	PERC	55.00	81.033	84.000	275475	0.000	0.434	0.0	10.6
DRAWDOWN	SL_B900-1 East	PERC	56.00	81.027	84.000	275419	0.000	0.429	0.0	10.6
DRAWDOWN	SL_B900-1 East	PERC	57.00	81.021	84.000	275364	0.000	0.424	0.0	10.6
DRAWDOWN	SL_B900-1 East	PERC	58.00	81.016	84.000	275310	0.000	0.420	0.0	10.7
DRAWDOWN	SL_B900-1 East	PERC	59.00	81.010	84.000	275256	0.000	0.415	0.0	10.7
DRAWDOWN	SL_B900-1 East	PERC	60.00	81.005	84.000	275203	0.000	0.410	0.0	10.7
DRAWDOWN	SL_B900-1 East	PERC	61.00	81.000	84.000	275150	0.000	0.406	0.0	10.8
DRAWDOWN	SL_B900-1 East	PERC	62.00	80.994	84.000	275098	0.000	0.402	0.0	10.8
DRAWDOWN	SL_B900-1 East	PERC	63.00	80.989	84.000	275046	0.000	0.397	0.0	10.8
DRAWDOWN	SL_B900-1 East	PERC	64.00	80.984	84.000	274995	0.000	0.393	0.0	10.9
DRAWDOWN	SL_B900-1 East	PERC	65.00	80.979	84.000	274944	0.000	0.389	0.0	10.9
DRAWDOWN	SL_B900-1 East	PERC	66.00	80.974	84.000	274894	0.000	0.385	0.0	10.9
DRAWDOWN	SL_B900-1 East	PERC	67.00	80.969	84.000	274845	0.000	0.381	0.0	11.0
DRAWDOWN	SL_B900-1 East	PERC	68.00	80.964	84.000	274796	0.000	0.377	0.0	11.0
DRAWDOWN	SL_B900-1 East	PERC	69.00	80.959	84.000	274747	0.000	0.374	0.0	11.0
DRAWDOWN	SL_B900-1 East	PERC	70.00	80.954	84.000	274699	0.000	0.370	0.0	11.0
DRAWDOWN	SL_B900-1 East	PERC	71.00	80.949	84.000	274651	0.000	0.367	0.0	11.1
DRAWDOWN	SL_B900-1 East	PERC	72.00	80.944	84.000	274604	0.000	0.363	0.0	11.1
DRAWDOWN	SL_B900-1 East	PERC	73.00	80.940	84.000	274557	0.000	0.360	0.0	11.1
DRAWDOWN	SL_B900-1 East	PERC	74.00	80.935	84.000	274511	0.000	0.356	0.0	11.2
DRAWDOWN	SL_B900-1 East	PERC	75.00	80.930	84.000	274465	0.000	0.353	0.0	11.2
DRAWDOWN	SL_B900-1 East	PERC	76.00	80.926	84.000	274420	0.000	0.350	0.0	11.2
DRAWDOWN	SL_B900-1 East	PERC	77.00	80.921	84.000	274375	0.000	0.347	0.0	11.3
DRAWDOWN	SL_B900-1 East	PERC	78.00	80.917	84.000	274330	0.000	0.344	0.0	11.3
DRAWDOWN	SL_B900-1 East	PERC	79.00	80.912	84.000	274286	0.000	0.341	0.0	11.3
DRAWDOWN	SL_B900-1 East	PERC	80.00	80.908	84.000	274242	0.000	0.338	0.0	11.3
DRAWDOWN	SL_B900-1 East	PERC	81.00	80.903	84.000	274198	0.000	0.335	0.0	11.4
DRAWDOWN	SL_B900-1 East	PERC	82.00	80.899	84.000	274155	0.000	0.332	0.0	11.4
DRAWDOWN	SL_B900-1 East	PERC	83.00	80.894	84.000	274112	0.000	0.329	0.0	11.4
DRAWDOWN	SL_B900-1 East	PERC	84.00	80.890	84.000	274069	0.000	0.326	0.0	11.4
DRAWDOWN	SL_B900-1 East	PERC	85.00	80.886	84.000	274027	0.000	0.324	0.0	11.5
DRAWDOWN	SL_B900-1 East	PERC	86.00	80.882	84.000	273986	0.000	0.321	0.0	11.5
DRAWDOWN	SL_B900-1 East	PERC	87.00	80.877	84.000	273944	0.000	0.318	0.0	11.5
DRAWDOWN	SL_B900-1 East	PERC	88.00	80.873	84.000	273903	0.000	0.316	0.0	11.6
DRAWDOWN	SL_B900-1 East	PERC	89.00	80.869	84.000	273862	0.000	0.313	0.0	11.6
DRAWDOWN	SL_B900-1 East	PERC	90.00	80.865	84.000	273822	0.000	0.311	0.0	11.6
DRAWDOWN	SL_B900-1 East	PERC	91.00	80.861	84.000	273781	0.000	0.308	0.0	11.6
DRAWDOWN	SL_B900-1 East	PERC	92.00	80.857	84.000	273742	0.000	0.306	0.0	11.7
DRAWDOWN	SL_B900-1 East	PERC	93.00	80.853	84.000	273702	0.000	0.304	0.0	11.7
DRAWDOWN	SL_B900-1 East	PERC	94.00	80.849	84.000	273663	0.000	0.301	0.0	11.7
DRAWDOWN	SL_B900-1 East	PERC	95.00	80.845	84.000	273624	0.000	0.299	0.0	11.7
DRAWDOWN	SL_B900-1 East	PERC	96.00	80.841	84.000	273585	0.000	0.297	0.0	11.8
DRAWDOWN	SL_B900-1 East	PERC	97.00	80.837	84.000	273546	0.000	0.295	0.0	11.8
DRAWDOWN	SL_B900-1 East	PERC	98.00	80.833	84.000	273508	0.000	0.293	0.0	11.8
DRAWDOWN	SL_B900-1 East	PERC	99.00	80.829	84.000	273470	0.000	0.290	0.0	11.8
DRAWDOWN	SL_B900-1 East	PERC	100.00	80.826	84.000	273433	0.000	0.288	0.0	11.9
DRAWDOWN	SL_B900-1 East	PERC	101.00	80.822	84.000	273395	0.000	0.286	0.0	11.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 East	PERC	102.00	80.818	84.000	273358	0.000	0.284	0.0	11.9
DRAWDOWN	SL_B900-1 East	PERC	103.00	80.814	84.000	273322	0.000	0.282	0.0	11.9
DRAWDOWN	SL_B900-1 East	PERC	104.00	80.811	84.000	273285	0.000	0.280	0.0	11.9
DRAWDOWN	SL_B900-1 East	PERC	105.00	80.807	84.000	273249	0.000	0.278	0.0	12.0
DRAWDOWN	SL_B900-1 East	PERC	106.00	80.803	84.000	273212	0.000	0.277	0.0	12.0
DRAWDOWN	SL_B900-1 East	PERC	107.00	80.800	84.000	273177	0.000	0.275	0.0	12.0
DRAWDOWN	SL_B900-1 East	PERC	108.00	80.796	84.000	273141	0.000	0.273	0.0	12.0
DRAWDOWN	SL_B900-1 East	PERC	109.00	80.793	84.000	273106	0.000	0.271	0.0	12.1
DRAWDOWN	SL_B900-1 East	PERC	110.00	80.789	84.000	273070	0.000	0.269	0.0	12.1
DRAWDOWN	SL_B900-1 East	PERC	111.00	80.785	84.000	273035	0.000	0.268	0.0	12.1
DRAWDOWN	SL_B900-1 East	PERC	112.00	80.782	84.000	273001	0.000	0.266	0.0	12.1
DRAWDOWN	SL_B900-1 East	PERC	113.00	80.778	84.000	272966	0.000	0.264	0.0	12.1
DRAWDOWN	SL_B900-1 East	PERC	114.00	80.775	84.000	272932	0.000	0.263	0.0	12.2
DRAWDOWN	SL_B900-1 East	PERC	115.00	80.771	84.000	272898	0.000	0.261	0.0	12.2
DRAWDOWN	SL_B900-1 East	PERC	116.00	80.768	84.000	272864	0.000	0.259	0.0	12.2
DRAWDOWN	SL_B900-1 East	PERC	117.00	80.765	84.000	272830	0.000	0.258	0.0	12.2
DRAWDOWN	SL_B900-1 East	PERC	118.00	80.761	84.000	272797	0.000	0.256	0.0	12.3
DRAWDOWN	SL_B900-1 East	PERC	119.00	80.758	84.000	272764	0.000	0.255	0.0	12.3
DRAWDOWN	SL_B900-1 East	PERC	120.00	80.755	84.000	272730	0.000	0.253	0.0	12.3
DRAWDOWN	SL_B900-1 East	PERC	121.00	80.751	84.000	272698	0.000	0.252	0.0	12.3
DRAWDOWN	SL_B900-1 East	PERC	122.00	80.748	84.000	272665	0.000	0.250	0.0	12.3
DRAWDOWN	SL_B900-1 East	PERC	123.00	80.745	84.000	272632	0.000	0.249	0.0	12.4
DRAWDOWN	SL_B900-1 East	PERC	124.00	80.741	84.000	272600	0.000	0.247	0.0	12.4
DRAWDOWN	SL_B900-1 East	PERC	125.00	80.738	84.000	272568	0.000	0.246	0.0	12.4
DRAWDOWN	SL_B900-1 East	PERC	126.00	80.735	84.000	272536	0.000	0.244	0.0	12.4
DRAWDOWN	SL_B900-1 East	PERC	127.00	80.732	84.000	272504	0.000	0.243	0.0	12.4
DRAWDOWN	SL_B900-1 East	PERC	128.00	80.728	84.000	272473	0.000	0.242	0.0	12.5
DRAWDOWN	SL_B900-1 East	PERC	129.00	80.725	84.000	272441	0.000	0.240	0.0	12.5
DRAWDOWN	SL_B900-1 East	PERC	130.00	80.722	84.000	272410	0.000	0.239	0.0	12.5
DRAWDOWN	SL_B900-1 East	PERC	131.00	80.719	84.000	272379	0.000	0.238	0.0	12.5
DRAWDOWN	SL_B900-1 East	PERC	132.00	80.716	84.000	272348	0.000	0.236	0.0	12.5
DRAWDOWN	SL_B900-1 East	PERC	133.00	80.713	84.000	272317	0.000	0.235	0.0	12.6
DRAWDOWN	SL_B900-1 East	PERC	134.00	80.710	84.000	272287	0.000	0.234	0.0	12.6
DRAWDOWN	SL_B900-1 East	PERC	135.00	80.707	84.000	272256	0.000	0.232	0.0	12.6
DRAWDOWN	SL_B900-1 East	PERC	136.00	80.703	84.000	272226	0.000	0.231	0.0	12.6
DRAWDOWN	SL_B900-1 East	PERC	137.00	80.700	84.000	272196	0.000	0.230	0.0	12.6
DRAWDOWN	SL_B900-1 East	PERC	138.00	80.697	84.000	272166	0.000	0.229	0.0	12.7
DRAWDOWN	SL_B900-1 East	PERC	139.00	80.694	84.000	272136	0.000	0.228	0.0	12.7
DRAWDOWN	SL_B900-1 East	PERC	140.00	80.691	84.000	272106	0.000	0.226	0.0	12.7
DRAWDOWN	SL_B900-1 East	PERC	141.00	80.688	84.000	272077	0.000	0.225	0.0	12.7
DRAWDOWN	SL_B900-1 East	PERC	142.00	80.685	84.000	272048	0.000	0.224	0.0	12.7
DRAWDOWN	SL_B900-1 East	PERC	143.00	80.682	84.000	272018	0.000	0.223	0.0	12.8
DRAWDOWN	SL_B900-1 East	PERC	144.00	80.679	84.000	271989	0.000	0.222	0.0	12.8
DRAWDOWN	SL_B900-1 East	PERC	145.00	80.677	84.000	271960	0.000	0.221	0.0	12.8
DRAWDOWN	SL_B900-1 East	PERC	146.00	80.674	84.000	271932	0.000	0.220	0.0	12.8
DRAWDOWN	SL_B900-1 East	PERC	147.00	80.671	84.000	271903	0.000	0.219	0.0	12.8
DRAWDOWN	SL_B900-1 East	PERC	148.00	80.668	84.000	271874	0.000	0.218	0.0	12.8
DRAWDOWN	SL_B900-1 East	PERC	149.00	80.665	84.000	271846	0.000	0.216	0.0	12.9
DRAWDOWN	SL_B900-1 East	PERC	150.00	80.662	84.000	271818	0.000	0.215	0.0	12.9
DRAWDOWN	SL_B900-1 East	PERC	151.00	80.659	84.000	271790	0.000	0.214	0.0	12.9
DRAWDOWN	SL_B900-1 East	PERC	152.00	80.656	84.000	271762	0.000	0.213	0.0	12.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 East	PERC	153.00	80.654	84.000	271734	0.000	0.212	0.0	12.9
DRAWDOWN	SL_B900-1 East	PERC	154.00	80.651	84.000	271706	0.000	0.211	0.0	12.9
DRAWDOWN	SL_B900-1 East	PERC	155.00	80.648	84.000	271679	0.000	0.210	0.0	13.0
DRAWDOWN	SL_B900-1 East	PERC	156.00	80.645	84.000	271651	0.000	0.209	0.0	13.0
DRAWDOWN	SL_B900-1 East	PERC	157.00	80.642	84.000	271624	0.000	0.209	0.0	13.0
DRAWDOWN	SL_B900-1 East	PERC	158.00	80.640	84.000	271597	0.000	0.208	0.0	13.0
DRAWDOWN	SL_B900-1 East	PERC	159.00	80.637	84.000	271569	0.000	0.207	0.0	13.0
DRAWDOWN	SL_B900-1 East	PERC	160.00	80.634	84.000	271542	0.000	0.206	0.0	13.1
DRAWDOWN	SL_B900-1 East	PERC	161.00	80.631	84.000	271516	0.000	0.205	0.0	13.1
DRAWDOWN	SL_B900-1 East	PERC	162.00	80.629	84.000	271489	0.000	0.204	0.0	13.1
DRAWDOWN	SL_B900-1 East	PERC	163.00	80.626	84.000	271462	0.000	0.203	0.0	13.1
DRAWDOWN	SL_B900-1 East	PERC	164.00	80.623	84.000	271436	0.000	0.202	0.0	13.1
DRAWDOWN	SL_B900-1 East	PERC	165.00	80.621	84.000	271409	0.000	0.201	0.0	13.1
DRAWDOWN	SL_B900-1 East	PERC	166.00	80.618	84.000	271383	0.000	0.200	0.0	13.2
DRAWDOWN	SL_B900-1 East	PERC	167.00	80.615	84.000	271357	0.000	0.199	0.0	13.2
DRAWDOWN	SL_B900-1 East	PERC	168.00	80.613	84.000	271331	0.000	0.199	0.0	13.2
DRAWDOWN	SL_B900-1 East	PERC	169.00	80.610	84.000	271305	0.000	0.198	0.0	13.2
DRAWDOWN	SL_B900-1 East	PERC	170.00	80.608	84.000	271279	0.000	0.197	0.0	13.2
DRAWDOWN	SL_B900-1 East	PERC	171.00	80.605	84.000	271253	0.000	0.196	0.0	13.2
DRAWDOWN	SL_B900-1 East	PERC	172.00	80.602	84.000	271227	0.000	0.195	0.0	13.2
DRAWDOWN	SL_B900-1 East	PERC	173.00	80.600	84.000	271202	0.000	0.195	0.0	13.3
DRAWDOWN	SL_B900-1 East	PERC	174.00	80.597	84.000	271176	0.000	0.194	0.0	13.3
DRAWDOWN	SL_B900-1 East	PERC	175.00	80.595	84.000	271151	0.000	0.193	0.0	13.3
DRAWDOWN	SL_B900-1 East	PERC	176.00	80.592	84.000	271126	0.000	0.192	0.0	13.3
DRAWDOWN	SL_B900-1 East	PERC	177.00	80.589	84.000	271101	0.000	0.191	0.0	13.3
DRAWDOWN	SL_B900-1 East	PERC	178.00	80.587	84.000	271076	0.000	0.191	0.0	13.3
DRAWDOWN	SL_B900-1 East	PERC	179.00	80.584	84.000	271051	0.000	0.190	0.0	13.4
DRAWDOWN	SL_B900-1 East	PERC	180.00	80.582	84.000	271026	0.000	0.189	0.0	13.4
DRAWDOWN	SL_B900-1 East	PERC	181.00	80.579	84.000	271001	0.000	0.188	0.0	13.4
DRAWDOWN	SL_B900-1 East	PERC	182.00	80.577	84.000	270976	0.000	0.188	0.0	13.4
DRAWDOWN	SL_B900-1 East	PERC	183.00	80.574	84.000	270952	0.000	0.187	0.0	13.4
DRAWDOWN	SL_B900-1 East	PERC	184.00	80.572	84.000	270927	0.000	0.186	0.0	13.4
DRAWDOWN	SL_B900-1 East	PERC	185.00	80.569	84.000	270903	0.000	0.185	0.0	13.5
DRAWDOWN	SL_B900-1 East	PERC	186.00	80.567	84.000	270879	0.000	0.185	0.0	13.5
DRAWDOWN	SL_B900-1 East	PERC	187.00	80.565	84.000	270855	0.000	0.184	0.0	13.5
DRAWDOWN	SL_B900-1 East	PERC	188.00	80.562	84.000	270830	0.000	0.183	0.0	13.5
DRAWDOWN	SL_B900-1 East	PERC	189.00	80.560	84.000	270806	0.000	0.183	0.0	13.5
DRAWDOWN	SL_B900-1 East	PERC	190.00	80.557	84.000	270782	0.000	0.182	0.0	13.5
DRAWDOWN	SL_B900-1 East	PERC	191.00	80.555	84.000	270759	0.000	0.181	0.0	13.5
DRAWDOWN	SL_B900-1 East	PERC	192.00	80.552	84.000	270735	0.000	0.181	0.0	13.6
DRAWDOWN	SL_B900-1 East	PERC	193.00	80.550	84.000	270711	0.000	0.180	0.0	13.6
DRAWDOWN	SL_B900-1 East	PERC	194.00	80.548	84.000	270688	0.000	0.179	0.0	13.6
DRAWDOWN	SL_B900-1 East	PERC	195.00	80.545	84.000	270664	0.000	0.179	0.0	13.6
DRAWDOWN	SL_B900-1 East	PERC	196.00	80.543	84.000	270641	0.000	0.178	0.0	13.6
DRAWDOWN	SL_B900-1 East	PERC	197.00	80.541	84.000	270617	0.000	0.177	0.0	13.6
DRAWDOWN	SL_B900-1 East	PERC	198.00	80.538	84.000	270594	0.000	0.177	0.0	13.6
DRAWDOWN	SL_B900-1 East	PERC	199.00	80.536	84.000	270571	0.000	0.176	0.0	13.7
DRAWDOWN	SL_B900-1 East	PERC	200.00	80.533	84.000	270548	0.000	0.176	0.0	13.7
DRAWDOWN	SL_B900-1 East	PERC	201.00	80.531	84.000	270525	0.000	0.175	0.0	13.7
DRAWDOWN	SL_B900-1 East	PERC	202.00	80.529	84.000	270502	0.000	0.174	0.0	13.7
DRAWDOWN	SL_B900-1 East	PERC	203.00	80.527	84.000	270479	0.000	0.174	0.0	13.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	SL_B900-1 East	PERC	204.00	80.524	84.000	270456	0.000	0.173	0.0	13.7
DRAWDOWN	SL_B900-1 East	PERC	205.00	80.522	84.000	270433	0.000	0.172	0.0	13.7
DRAWDOWN	SL_B900-1 East	PERC	206.00	80.520	84.000	270411	0.000	0.172	0.0	13.8
DRAWDOWN	SL_B900-1 East	PERC	207.00	80.517	84.000	270388	0.000	0.171	0.0	13.8
DRAWDOWN	SL_B900-1 East	PERC	208.00	80.515	84.000	270366	0.000	0.171	0.0	13.8
DRAWDOWN	SL_B900-1 East	PERC	209.00	80.513	84.000	270343	0.000	0.170	0.0	13.8
DRAWDOWN	SL_B900-1 East	PERC	210.00	80.511	84.000	270321	0.000	0.170	0.0	13.8
DRAWDOWN	SL_B900-1 East	PERC	211.00	80.508	84.000	270299	0.000	0.169	0.0	13.8
DRAWDOWN	SL_B900-1 East	PERC	212.00	80.506	84.000	270277	0.000	0.168	0.0	13.8
DRAWDOWN	SL_B900-1 East	PERC	213.00	80.504	84.000	270254	0.000	0.168	0.0	13.9
DRAWDOWN	SL_B900-1 East	PERC	214.00	80.502	84.000	270232	0.000	0.167	0.0	13.9
DRAWDOWN	SL_B900-1 East	PERC	215.00	80.499	84.000	270210	0.000	0.167	0.0	13.9
DRAWDOWN	SL_B900-1 East	PERC	216.00	80.497	84.000	270189	0.000	0.166	0.0	13.9
DRAWDOWN	SL_B900-1 East	PERC	217.00	80.495	84.000	270167	0.000	0.166	0.0	13.9
DRAWDOWN	SL_B900-1 East	PERC	218.00	80.493	84.000	270145	0.000	0.165	0.0	13.9
DRAWDOWN	SL_B900-1 East	PERC	219.00	80.490	84.000	270123	0.000	0.165	0.0	13.9
DRAWDOWN	SL_B900-1 East	PERC	220.00	80.488	84.000	270102	0.000	0.164	0.0	14.0
DRAWDOWN	SL_B900-1 East	PERC	221.00	80.486	84.000	270080	0.000	0.164	0.0	14.0
DRAWDOWN	SL_B900-1 East	PERC	222.00	80.484	84.000	270058	0.000	0.163	0.0	14.0
DRAWDOWN	SL_B900-1 East	PERC	223.00	80.482	84.000	270037	0.000	0.163	0.0	14.0
DRAWDOWN	SL_B900-1 East	PERC	224.00	80.480	84.000	270016	0.000	0.162	0.0	14.0
DRAWDOWN	SL_B900-1 East	PERC	225.00	80.477	84.000	269994	0.000	0.162	0.0	14.0
DRAWDOWN	SL_B900-1 East	PERC	226.00	80.475	84.000	269973	0.000	0.161	0.0	14.0
DRAWDOWN	SL_B900-1 East	PERC	227.00	80.473	84.000	269952	0.000	0.161	0.0	14.1
DRAWDOWN	SL_B900-1 East	PERC	228.00	80.471	84.000	269931	0.000	0.160	0.0	14.1
DRAWDOWN	SL_B900-1 East	PERC	229.00	80.469	84.000	269910	0.000	0.160	0.0	14.1
DRAWDOWN	SL_B900-1 East	PERC	230.00	80.467	84.000	269889	0.000	0.159	0.0	14.1
DRAWDOWN	SL_B900-1 East	PERC	231.00	80.465	84.000	269868	0.000	0.159	0.0	14.1
DRAWDOWN	SL_B900-1 East	PERC	232.00	80.463	84.000	269847	0.000	0.158	0.0	14.1
DRAWDOWN	SL_B900-1 East	PERC	233.00	80.460	84.000	269826	0.000	0.158	0.0	14.1
DRAWDOWN	SL_B900-1 East	PERC	234.00	80.458	84.000	269805	0.000	0.157	0.0	14.1
DRAWDOWN	SL_B900-1 East	PERC	235.00	80.456	84.000	269785	0.000	0.157	0.0	14.2
DRAWDOWN	SL_B900-1 East	PERC	236.00	80.454	84.000	269764	0.000	0.156	0.0	14.2
DRAWDOWN	SL_B900-1 East	PERC	237.00	80.452	84.000	269744	0.000	0.156	0.0	14.2
DRAWDOWN	SL_B900-1 East	PERC	238.00	80.450	84.000	269723	0.000	0.155	0.0	14.2
DRAWDOWN	SL_B900-1 East	PERC	239.00	80.448	84.000	269703	0.000	0.155	0.0	14.2
DRAWDOWN	SL_B900-1 East	PERC	240.00	80.446	84.000	269682	0.000	0.155	0.0	14.2
DRAWDOWN	SL_B900-1 East	PERC	241.00	80.444	84.000	269662	0.000	0.154	0.0	14.2
DRAWDOWN	SL_B900-1 East	PERC	242.00	80.442	84.000	269642	0.000	0.154	0.0	14.2
DRAWDOWN	SL_B900-1 East	PERC	243.00	80.440	84.000	269621	0.000	0.153	0.0	14.3
DRAWDOWN	SL_B900-1 East	PERC	244.00	80.438	84.000	269601	0.000	0.153	0.0	14.3
DRAWDOWN	SL_B900-1 East	PERC	245.00	80.436	84.000	269581	0.000	0.152	0.0	14.3
DRAWDOWN	SL_B900-1 East	PERC	246.00	80.434	84.000	269561	0.000	0.152	0.0	14.3
DRAWDOWN	SL_B900-1 East	PERC	247.00	80.432	84.000	269541	0.000	0.151	0.0	14.3
DRAWDOWN	SL_B900-1 East	PERC	248.00	80.429	84.000	269521	0.000	0.151	0.0	14.3
DRAWDOWN	SL_B900-1 East	PERC	249.00	80.427	84.000	269501	0.000	0.151	0.0	14.3
DRAWDOWN	SL_B900-1 East	PERC	250.00	80.425	84.000	269481	0.000	0.150	0.0	14.3
DRAWDOWN	SL_B900-1 East	PERC	251.00	80.423	84.000	269462	0.000	0.150	0.0	14.4
DRAWDOWN	SL_B900-1 East	PERC	252.00	80.421	84.000	269442	0.000	0.149	0.0	14.4
DRAWDOWN	SL_B900-1 East	PERC	253.00	80.419	84.000	269422	0.000	0.149	0.0	14.4
DRAWDOWN	SL_B900-1 East	PERC	254.00	80.417	84.000	269403	0.000	0.149	0.0	14.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 East	PERC	255.00	80.416	84.000	269383	0.000	0.148	0.0	14.4
DRAWDOWN	SL_B900-1 East	PERC	256.00	80.414	84.000	269363	0.000	0.148	0.0	14.4
DRAWDOWN	SL_B900-1 East	PERC	257.00	80.412	84.000	269344	0.000	0.147	0.0	14.4
DRAWDOWN	SL_B900-1 East	PERC	258.00	80.410	84.000	269325	0.000	0.147	0.0	14.4
DRAWDOWN	SL_B900-1 East	PERC	259.00	80.408	84.000	269305	0.000	0.147	0.0	14.5
DRAWDOWN	SL_B900-1 East	PERC	260.00	80.406	84.000	269286	0.000	0.146	0.0	14.5
DRAWDOWN	SL_B900-1 East	PERC	261.00	80.404	84.000	269267	0.000	0.146	0.0	14.5
DRAWDOWN	SL_B900-1 East	PERC	262.00	80.402	84.000	269247	0.000	0.145	0.0	14.5
DRAWDOWN	SL_B900-1 East	PERC	263.00	80.400	84.000	269228	0.000	0.145	0.0	14.5
DRAWDOWN	SL_B900-1 East	PERC	264.00	80.398	84.000	269209	0.000	0.145	0.0	14.5
DRAWDOWN	SL_B900-1 East	PERC	265.00	80.396	84.000	269190	0.000	0.144	0.0	14.5
DRAWDOWN	SL_B900-1 East	PERC	266.00	80.394	84.000	269171	0.000	0.144	0.0	14.5
DRAWDOWN	SL_B900-1 East	PERC	267.00	80.392	84.000	269152	0.000	0.144	0.0	14.6
DRAWDOWN	SL_B900-1 East	PERC	268.00	80.390	84.000	269133	0.000	0.143	0.0	14.6
DRAWDOWN	SL_B900-1 East	PERC	269.00	80.388	84.000	269114	0.000	0.143	0.0	14.6
DRAWDOWN	SL_B900-1 East	PERC	270.00	80.386	84.000	269095	0.000	0.142	0.0	14.6
DRAWDOWN	SL_B900-1 East	PERC	271.00	80.384	84.000	269076	0.000	0.142	0.0	14.6
DRAWDOWN	SL_B900-1 East	PERC	272.00	80.383	84.000	269058	0.000	0.142	0.0	14.6
DRAWDOWN	SL_B900-1 East	PERC	273.00	80.381	84.000	269039	0.000	0.141	0.0	14.6
DRAWDOWN	SL_B900-1 East	PERC	274.00	80.379	84.000	269020	0.000	0.141	0.0	14.6
DRAWDOWN	SL_B900-1 East	PERC	275.00	80.377	84.000	269002	0.000	0.141	0.0	14.6
DRAWDOWN	SL_B900-1 East	PERC	276.00	80.375	84.000	268983	0.000	0.140	0.0	14.7
DRAWDOWN	SL_B900-1 East	PERC	277.00	80.373	84.000	268965	0.000	0.140	0.0	14.7
DRAWDOWN	SL_B900-1 East	PERC	278.00	80.371	84.000	268946	0.000	0.140	0.0	14.7
DRAWDOWN	SL_B900-1 East	PERC	279.00	80.369	84.000	268928	0.000	0.139	0.0	14.7
DRAWDOWN	SL_B900-1 East	PERC	280.00	80.368	84.000	268909	0.000	0.139	0.0	14.7
DRAWDOWN	SL_B900-1 East	PERC	281.00	80.366	84.000	268891	0.000	0.139	0.0	14.7
DRAWDOWN	SL_B900-1 East	PERC	282.00	80.364	84.000	268873	0.000	0.138	0.0	14.7
DRAWDOWN	SL_B900-1 East	PERC	283.00	80.362	84.000	268854	0.000	0.138	0.0	14.7
DRAWDOWN	SL_B900-1 East	PERC	284.00	80.360	84.000	268836	0.000	0.138	0.0	14.8
DRAWDOWN	SL_B900-1 East	PERC	285.00	80.358	84.000	268818	0.000	0.137	0.0	14.8
DRAWDOWN	SL_B900-1 East	PERC	286.00	80.356	84.000	268800	0.000	0.137	0.0	14.8
DRAWDOWN	SL_B900-1 East	PERC	287.00	80.355	84.000	268782	0.000	0.137	0.0	14.8
DRAWDOWN	SL_B900-1 East	PERC	288.00	80.353	84.000	268764	0.000	0.136	0.0	14.8
DRAWDOWN	SL_B900-1 East	PERC	289.00	80.351	84.000	268746	0.000	0.136	0.0	14.8
DRAWDOWN	SL_B900-1 East	PERC	290.00	80.349	84.000	268728	0.000	0.136	0.0	14.8
DRAWDOWN	SL_B900-1 East	PERC	291.00	80.347	84.000	268710	0.000	0.135	0.0	14.8
DRAWDOWN	SL_B900-1 East	PERC	292.00	80.346	84.000	268692	0.000	0.135	0.0	14.8
DRAWDOWN	SL_B900-1 East	PERC	293.00	80.344	84.000	268674	0.000	0.135	0.0	14.9
DRAWDOWN	SL_B900-1 East	PERC	294.00	80.342	84.000	268656	0.000	0.134	0.0	14.9
DRAWDOWN	SL_B900-1 East	PERC	295.00	80.340	84.000	268639	0.000	0.134	0.0	14.9
DRAWDOWN	SL_B900-1 East	PERC	296.00	80.338	84.000	268621	0.000	0.134	0.0	14.9
DRAWDOWN	SL_B900-1 East	PERC	297.00	80.337	84.000	268603	0.000	0.133	0.0	14.9
DRAWDOWN	SL_B900-1 East	PERC	298.00	80.335	84.000	268586	0.000	0.133	0.0	14.9
DRAWDOWN	SL_B900-1 East	PERC	299.00	80.333	84.000	268568	0.000	0.133	0.0	14.9
DRAWDOWN	SL_B900-1 East	PERC	300.00	80.331	84.000	268550	0.000	0.133	0.0	14.9
DRAWDOWN	SL_B900-1 East	PERC	301.00	80.329	84.000	268533	0.000	0.132	0.0	14.9
DRAWDOWN	SL_B900-1 East	PERC	302.00	80.328	84.000	268515	0.000	0.132	0.0	15.0
DRAWDOWN	SL_B900-1 East	PERC	303.00	80.326	84.000	268498	0.000	0.132	0.0	15.0
DRAWDOWN	SL_B900-1 East	PERC	304.00	80.324	84.000	268480	0.000	0.131	0.0	15.0
DRAWDOWN	SL_B900-1 East	PERC	305.00	80.322	84.000	268463	0.000	0.131	0.0	15.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 East	PERC	306.00	80.321	84.000	268446	0.000	0.131	0.0	15.0
DRAWDOWN	SL_B900-1 East	PERC	307.00	80.319	84.000	268428	0.000	0.131	0.0	15.0
DRAWDOWN	SL_B900-1 East	PERC	308.00	80.317	84.000	268411	0.000	0.130	0.0	15.0
DRAWDOWN	SL_B900-1 East	PERC	309.00	80.315	84.000	268394	0.000	0.130	0.0	15.0
DRAWDOWN	SL_B900-1 East	PERC	310.00	80.314	84.000	268377	0.000	0.130	0.0	15.0
DRAWDOWN	SL_B900-1 East	PERC	311.00	80.312	84.000	268360	0.000	0.129	0.0	15.0
DRAWDOWN	SL_B900-1 East	PERC	312.00	80.310	84.000	268343	0.000	0.129	0.0	15.1
DRAWDOWN	SL_B900-1 East	PERC	313.00	80.308	84.000	268325	0.000	0.129	0.0	15.1
DRAWDOWN	SL_B900-1 East	PERC	314.00	80.307	84.000	268308	0.000	0.129	0.0	15.1
DRAWDOWN	SL_B900-1 East	PERC	315.00	80.305	84.000	268291	0.000	0.128	0.0	15.1
DRAWDOWN	SL_B900-1 East	PERC	316.00	80.303	84.000	268274	0.000	0.128	0.0	15.1
DRAWDOWN	SL_B900-1 East	PERC	317.00	80.302	84.000	268257	0.000	0.128	0.0	15.1
DRAWDOWN	SL_B900-1 East	PERC	318.00	80.300	84.000	268241	0.000	0.127	0.0	15.1
DRAWDOWN	SL_B900-1 East	PERC	319.00	80.298	84.000	268224	0.000	0.127	0.0	15.1
DRAWDOWN	SL_B900-1 East	PERC	320.00	80.296	84.000	268207	0.000	0.127	0.0	15.1
DRAWDOWN	SL_B900-1 East	PERC	321.00	80.295	84.000	268190	0.000	0.127	0.0	15.2
DRAWDOWN	SL_B900-1 East	PERC	322.00	80.293	84.000	268173	0.000	0.126	0.0	15.2
DRAWDOWN	SL_B900-1 East	PERC	323.00	80.291	84.000	268157	0.000	0.126	0.0	15.2
DRAWDOWN	SL_B900-1 East	PERC	324.00	80.290	84.000	268140	0.000	0.126	0.0	15.2
DRAWDOWN	SL_B900-1 East	PERC	325.00	80.288	84.000	268123	0.000	0.126	0.0	15.2
DRAWDOWN	SL_B900-1 East	PERC	326.00	80.286	84.000	268107	0.000	0.125	0.0	15.2
DRAWDOWN	SL_B900-1 East	PERC	327.00	80.285	84.000	268090	0.000	0.125	0.0	15.2
DRAWDOWN	SL_B900-1 East	PERC	328.00	80.283	84.000	268073	0.000	0.125	0.0	15.2
DRAWDOWN	SL_B900-1 East	PERC	329.00	80.281	84.000	268057	0.000	0.125	0.0	15.2
DRAWDOWN	SL_B900-1 East	PERC	330.00	80.280	84.000	268040	0.000	0.124	0.0	15.2
DRAWDOWN	SL_B900-1 East	PERC	331.00	80.278	84.000	268024	0.000	0.124	0.0	15.3
DRAWDOWN	SL_B900-1 East	PERC	332.00	80.276	84.000	268007	0.000	0.124	0.0	15.3
DRAWDOWN	SL_B900-1 East	PERC	333.00	80.275	84.000	267991	0.000	0.124	0.0	15.3
DRAWDOWN	SL_B900-1 East	PERC	334.00	80.273	84.000	267975	0.000	0.123	0.0	15.3
DRAWDOWN	SL_B900-1 East	PERC	335.00	80.271	84.000	267958	0.000	0.123	0.0	15.3
DRAWDOWN	SL_B900-1 East	PERC	336.00	80.270	84.000	267942	0.000	0.123	0.0	15.3
DRAWDOWN	SL_B900-1 East	PERC	337.00	80.268	84.000	267926	0.000	0.123	0.0	15.3
DRAWDOWN	SL_B900-1 East	PERC	338.00	80.266	84.000	267910	0.000	0.122	0.0	15.3
DRAWDOWN	SL_B900-1 East	PERC	339.00	80.265	84.000	267893	0.000	0.122	0.0	15.3
DRAWDOWN	SL_B900-1 East	PERC	340.00	80.263	84.000	267877	0.000	0.122	0.0	15.3
DRAWDOWN	SL_B900-1 East	PERC	341.00	80.261	84.000	267861	0.000	0.122	0.0	15.4
DRAWDOWN	SL_B900-1 East	PERC	342.00	80.260	84.000	267845	0.000	0.121	0.0	15.4
DRAWDOWN	SL_B900-1 East	PERC	343.00	80.258	84.000	267829	0.000	0.121	0.0	15.4
DRAWDOWN	SL_B900-1 East	PERC	344.00	80.256	84.000	267813	0.000	0.121	0.0	15.4
DRAWDOWN	SL_B900-1 East	PERC	345.00	80.255	84.000	267797	0.000	0.121	0.0	15.4
DRAWDOWN	SL_B900-1 East	PERC	346.00	80.253	84.000	267781	0.000	0.120	0.0	15.4
DRAWDOWN	SL_B900-1 East	PERC	347.00	80.252	84.000	267765	0.000	0.120	0.0	15.4
DRAWDOWN	SL_B900-1 East	PERC	348.00	80.250	84.000	267749	0.000	0.120	0.0	15.4
DRAWDOWN	SL_B900-1 East	PERC	349.00	80.248	84.000	267733	0.000	0.120	0.0	15.4
DRAWDOWN	SL_B900-1 East	PERC	350.00	80.247	84.000	267717	0.000	0.119	0.0	15.4
DRAWDOWN	SL_B900-1 East	PERC	351.00	80.245	84.000	267701	0.000	0.119	0.0	15.5
DRAWDOWN	SL_B900-1 East	PERC	352.00	80.244	84.000	267685	0.000	0.119	0.0	15.5
DRAWDOWN	SL_B900-1 East	PERC	353.00	80.242	84.000	267670	0.000	0.119	0.0	15.5
DRAWDOWN	SL_B900-1 East	PERC	354.00	80.240	84.000	267654	0.000	0.119	0.0	15.5
DRAWDOWN	SL_B900-1 East	PERC	355.00	80.239	84.000	267638	0.000	0.118	0.0	15.5
DRAWDOWN	SL_B900-1 East	PERC	356.00	80.237	84.000	267622	0.000	0.118	0.0	15.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 East	PERC	357.00	80.236	84.000	267607	0.000	0.118	0.0	15.5
DRAWDOWN	SL_B900-1 East	PERC	358.00	80.234	84.000	267591	0.000	0.118	0.0	15.5
DRAWDOWN	SL_B900-1 East	PERC	359.00	80.232	84.000	267575	0.000	0.117	0.0	15.5
DRAWDOWN	SL_B900-1 East	PERC	360.00	80.231	84.000	267560	0.000	0.117	0.0	15.5
DRAWDOWN	SL_B900-1 East	PERC	361.00	80.229	84.000	267544	0.000	0.117	0.0	15.6
DRAWDOWN	SL_B900-1 East	PERC	362.00	80.228	84.000	267529	0.000	0.117	0.0	15.6
DRAWDOWN	SL_B900-1 East	PERC	363.00	80.226	84.000	267513	0.000	0.117	0.0	15.6
DRAWDOWN	SL_B900-1 East	PERC	364.00	80.225	84.000	267498	0.000	0.116	0.0	15.6
DRAWDOWN	SL_B900-1 East	PERC	365.00	80.223	84.000	267482	0.000	0.116	0.0	15.6
DRAWDOWN	SL_B900-1 East	PERC	366.00	80.221	84.000	267467	0.000	0.116	0.0	15.6
DRAWDOWN	SL_B900-1 East	PERC	367.00	80.220	84.000	267452	0.000	0.116	0.0	15.6
DRAWDOWN	SL_B900-1 East	PERC	368.00	80.218	84.000	267436	0.000	0.116	0.0	15.6
DRAWDOWN	SL_B900-1 East	PERC	369.00	80.217	84.000	267421	0.000	0.115	0.0	15.6
DRAWDOWN	SL_B900-1 East	PERC	370.00	80.215	84.000	267406	0.000	0.115	0.0	15.6
DRAWDOWN	SL_B900-1 East	PERC	371.00	80.214	84.000	267390	0.000	0.115	0.0	15.7
DRAWDOWN	SL_B900-1 East	PERC	372.00	80.212	84.000	267375	0.000	0.115	0.0	15.7
DRAWDOWN	SL_B900-1 East	PERC	373.00	80.211	84.000	267360	0.000	0.114	0.0	15.7
DRAWDOWN	SL_B900-1 East	PERC	374.00	80.209	84.000	267345	0.000	0.114	0.0	15.7
DRAWDOWN	SL_B900-1 East	PERC	375.00	80.208	84.000	267329	0.000	0.114	0.0	15.7
DRAWDOWN	SL_B900-1 East	PERC	376.00	80.206	84.000	267314	0.000	0.114	0.0	15.7
DRAWDOWN	SL_B900-1 East	PERC	377.00	80.204	84.000	267299	0.000	0.114	0.0	15.7
DRAWDOWN	SL_B900-1 East	PERC	378.00	80.203	84.000	267284	0.000	0.113	0.0	15.7
DRAWDOWN	SL_B900-1 East	PERC	379.00	80.201	84.000	267269	0.000	0.113	0.0	15.7
DRAWDOWN	SL_B900-1 East	PERC	380.00	80.200	84.000	267254	0.000	0.113	0.0	15.7
DRAWDOWN	SL_B900-1 East	PERC	381.00	80.198	84.000	267239	0.000	0.113	0.0	15.7
DRAWDOWN	SL_B900-1 East	PERC	382.00	80.197	84.000	267224	0.000	0.113	0.0	15.8
DRAWDOWN	SL_B900-1 East	PERC	383.00	80.195	84.000	267209	0.000	0.112	0.0	15.8
DRAWDOWN	SL_B900-1 East	PERC	384.00	80.194	84.000	267194	0.000	0.112	0.0	15.8
DRAWDOWN	SL_B900-1 East	PERC	385.00	80.192	84.000	267179	0.000	0.112	0.0	15.8
DRAWDOWN	SL_B900-1 East	PERC	386.00	80.191	84.000	267164	0.000	0.112	0.0	15.8
DRAWDOWN	SL_B900-1 East	PERC	387.00	80.189	84.000	267149	0.000	0.112	0.0	15.8
DRAWDOWN	SL_B900-1 East	PERC	388.00	80.188	84.000	267134	0.000	0.111	0.0	15.8
DRAWDOWN	SL_B900-1 East	PERC	389.00	80.186	84.000	267120	0.000	0.111	0.0	15.8
DRAWDOWN	SL_B900-1 East	PERC	390.00	80.185	84.000	267105	0.000	0.111	0.0	15.8
DRAWDOWN	SL_B900-1 East	PERC	391.00	80.183	84.000	267090	0.000	0.111	0.0	15.8
DRAWDOWN	SL_B900-1 East	PERC	392.00	80.182	84.000	267075	0.000	0.111	0.0	15.8
DRAWDOWN	SL_B900-1 East	PERC	393.00	80.180	84.000	267061	0.000	0.111	0.0	15.9
DRAWDOWN	SL_B900-1 East	PERC	394.00	80.179	84.000	267046	0.000	0.110	0.0	15.9
DRAWDOWN	SL_B900-1 East	PERC	395.00	80.177	84.000	267031	0.000	0.110	0.0	15.9
DRAWDOWN	SL_B900-1 East	PERC	396.00	80.176	84.000	267016	0.000	0.110	0.0	15.9
DRAWDOWN	SL_B900-1 East	PERC	397.00	80.174	84.000	267002	0.000	0.110	0.0	15.9
DRAWDOWN	SL_B900-1 East	PERC	398.00	80.173	84.000	266987	0.000	0.110	0.0	15.9
DRAWDOWN	SL_B900-1 East	PERC	399.00	80.171	84.000	266973	0.000	0.109	0.0	15.9
DRAWDOWN	SL_B900-1 East	PERC	400.00	80.170	84.000	266958	0.000	0.109	0.0	15.9
DRAWDOWN	SL_B900-1 East	PERC	401.00	80.168	84.000	266944	0.000	0.109	0.0	15.9
DRAWDOWN	SL_B900-1 East	PERC	402.00	80.167	84.000	266929	0.000	0.109	0.0	15.9
DRAWDOWN	SL_B900-1 East	PERC	403.00	80.166	84.000	266915	0.000	0.109	0.0	15.9
DRAWDOWN	SL_B900-1 East	PERC	404.00	80.164	84.000	266900	0.000	0.109	0.0	16.0
DRAWDOWN	SL_B900-1 East	PERC	405.00	80.163	84.000	266886	0.000	0.108	0.0	16.0
DRAWDOWN	SL_B900-1 East	PERC	406.00	80.161	84.000	266871	0.000	0.108	0.0	16.0
DRAWDOWN	SL_B900-1 East	PERC	407.00	80.160	84.000	266857	0.000	0.108	0.0	16.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	SL_B900-1 East	PERC	408.00	80.158	84.000	266843	0.000	0.108	0.0	16.0
DRAWDOWN	SL_B900-1 East	PERC	409.00	80.157	84.000	266828	0.000	0.108	0.0	16.0
DRAWDOWN	SL_B900-1 East	PERC	410.00	80.155	84.000	266814	0.000	0.107	0.0	16.0
DRAWDOWN	SL_B900-1 East	PERC	411.00	80.154	84.000	266800	0.000	0.107	0.0	16.0
DRAWDOWN	SL_B900-1 East	PERC	412.00	80.152	84.000	266785	0.000	0.107	0.0	16.0
DRAWDOWN	SL_B900-1 East	PERC	413.00	80.151	84.000	266771	0.000	0.107	0.0	16.0
DRAWDOWN	SL_B900-1 East	PERC	414.00	80.150	84.000	266757	0.000	0.107	0.0	16.0
DRAWDOWN	SL_B900-1 East	PERC	415.00	80.148	84.000	266743	0.000	0.107	0.0	16.1
DRAWDOWN	SL_B900-1 East	PERC	416.00	80.147	84.000	266728	0.000	0.106	0.0	16.1
DRAWDOWN	SL_B900-1 East	PERC	417.00	80.145	84.000	266714	0.000	0.106	0.0	16.1
DRAWDOWN	SL_B900-1 East	PERC	418.00	80.144	84.000	266700	0.000	0.106	0.0	16.1
DRAWDOWN	SL_B900-1 East	PERC	419.00	80.142	84.000	266686	0.000	0.106	0.0	16.1
DRAWDOWN	SL_B900-1 East	PERC	420.00	80.141	84.000	266672	0.000	0.106	0.0	16.1
DRAWDOWN	SL_B900-1 East	PERC	421.00	80.139	84.000	266658	0.000	0.106	0.0	16.1
DRAWDOWN	SL_B900-1 East	PERC	422.00	80.138	84.000	266644	0.000	0.105	0.0	16.1
DRAWDOWN	SL_B900-1 East	PERC	423.00	80.137	84.000	266630	0.000	0.105	0.0	16.1
DRAWDOWN	SL_B900-1 East	PERC	424.00	80.135	84.000	266616	0.000	0.105	0.0	16.1
DRAWDOWN	SL_B900-1 East	PERC	425.00	80.134	84.000	266602	0.000	0.105	0.0	16.1
DRAWDOWN	SL_B900-1 East	PERC	426.00	80.132	84.000	266588	0.000	0.105	0.0	16.2
DRAWDOWN	SL_B900-1 East	PERC	427.00	80.131	84.000	266574	0.000	0.105	0.0	16.2
DRAWDOWN	SL_B900-1 East	PERC	428.00	80.130	84.000	266560	0.000	0.104	0.0	16.2
DRAWDOWN	SL_B900-1 East	PERC	429.00	80.128	84.000	266546	0.000	0.104	0.0	16.2
DRAWDOWN	SL_B900-1 East	PERC	430.00	80.127	84.000	266532	0.000	0.104	0.0	16.2
DRAWDOWN	SL_B900-1 East	PERC	431.00	80.125	84.000	266518	0.000	0.104	0.0	16.2
DRAWDOWN	SL_B900-1 East	PERC	432.00	80.124	84.000	266504	0.000	0.104	0.0	16.2
DRAWDOWN	SL_B900-1 East	PERC	433.00	80.123	84.000	266490	0.000	0.104	0.0	16.2
DRAWDOWN	SL_B900-1 East	PERC	434.00	80.121	84.000	266477	0.000	0.103	0.0	16.2
DRAWDOWN	SL_B900-1 East	PERC	435.00	80.120	84.000	266463	0.000	0.103	0.0	16.2
DRAWDOWN	SL_B900-1 East	PERC	436.00	80.118	84.000	266449	0.000	0.103	0.0	16.2
DRAWDOWN	SL_B900-1 East	PERC	437.00	80.117	84.000	266435	0.000	0.103	0.0	16.2
DRAWDOWN	SL_B900-1 East	PERC	438.00	80.116	84.000	266421	0.000	0.103	0.0	16.3
DRAWDOWN	SL_B900-1 East	PERC	439.00	80.114	84.000	266408	0.000	0.103	0.0	16.3
DRAWDOWN	SL_B900-1 East	PERC	440.00	80.113	84.000	266394	0.000	0.103	0.0	16.3
DRAWDOWN	SL_B900-1 East	PERC	441.00	80.111	84.000	266380	0.000	0.102	0.0	16.3
DRAWDOWN	SL_B900-1 East	PERC	442.00	80.110	84.000	266367	0.000	0.102	0.0	16.3
DRAWDOWN	SL_B900-1 East	PERC	443.00	80.109	84.000	266353	0.000	0.102	0.0	16.3
DRAWDOWN	SL_B900-1 East	PERC	444.00	80.107	84.000	266340	0.000	0.102	0.0	16.3
DRAWDOWN	SL_B900-1 East	PERC	445.00	80.106	84.000	266326	0.000	0.102	0.0	16.3
DRAWDOWN	SL_B900-1 East	PERC	446.00	80.105	84.000	266312	0.000	0.102	0.0	16.3
DRAWDOWN	SL_B900-1 East	PERC	447.00	80.103	84.000	266299	0.000	0.101	0.0	16.3
DRAWDOWN	SL_B900-1 East	PERC	448.00	80.102	84.000	266285	0.000	0.101	0.0	16.3
DRAWDOWN	SL_B900-1 East	PERC	449.00	80.100	84.000	266272	0.000	0.101	0.0	16.3
DRAWDOWN	SL_B900-1 East	PERC	450.00	80.099	84.000	266258	0.000	0.101	0.0	16.4
DRAWDOWN	SL_B900-1 East	PERC	451.00	80.098	84.000	266245	0.000	0.101	0.0	16.4
DRAWDOWN	SL_B900-1 East	PERC	452.00	80.096	84.000	266231	0.000	0.101	0.0	16.4
DRAWDOWN	SL_B900-1 East	PERC	453.00	80.095	84.000	266218	0.000	0.101	0.0	16.4
DRAWDOWN	SL_B900-1 East	PERC	454.00	80.094	84.000	266204	0.000	0.100	0.0	16.4
DRAWDOWN	SL_B900-1 East	PERC	455.00	80.092	84.000	266191	0.000	0.100	0.0	16.4
DRAWDOWN	SL_B900-1 East	PERC	456.00	80.091	84.000	266178	0.000	0.100	0.0	16.4
DRAWDOWN	SL_B900-1 East	PERC	457.00	80.090	84.000	266164	0.000	0.100	0.0	16.4
DRAWDOWN	SL_B900-1 East	PERC	458.00	80.088	84.000	266151	0.000	0.100	0.0	16.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 East	PERC	459.00	80.087	84.000	266138	0.000	0.100	0.0	16.4
DRAWDOWN	SL_B900-1 East	PERC	460.00	80.085	84.000	266124	0.000	0.100	0.0	16.4
DRAWDOWN	SL_B900-1 East	PERC	461.00	80.084	84.000	266111	0.000	0.099	0.0	16.4
DRAWDOWN	SL_B900-1 East	PERC	462.00	80.083	84.000	266098	0.000	0.099	0.0	16.5
DRAWDOWN	SL_B900-1 East	PERC	463.00	80.081	84.000	266085	0.000	0.099	0.0	16.5
DRAWDOWN	SL_B900-1 East	PERC	464.00	80.080	84.000	266071	0.000	0.099	0.0	16.5
DRAWDOWN	SL_B900-1 East	PERC	465.00	80.079	84.000	266058	0.000	0.099	0.0	16.5
DRAWDOWN	SL_B900-1 East	PERC	466.00	80.077	84.000	266045	0.000	0.099	0.0	16.5
DRAWDOWN	SL_B900-1 East	PERC	467.00	80.076	84.000	266032	0.000	0.099	0.0	16.5
DRAWDOWN	SL_B900-1 East	PERC	468.00	80.075	84.000	266019	0.000	0.098	0.0	16.5
DRAWDOWN	SL_B900-1 East	PERC	469.00	80.073	84.000	266005	0.000	0.098	0.0	16.5
DRAWDOWN	SL_B900-1 East	PERC	470.00	80.072	84.000	265992	0.000	0.098	0.0	16.5
DRAWDOWN	SL_B900-1 East	PERC	471.00	80.071	84.000	265979	0.000	0.098	0.0	16.5
DRAWDOWN	SL_B900-1 East	PERC	472.00	80.069	84.000	265966	0.000	0.098	0.0	16.5
DRAWDOWN	SL_B900-1 East	PERC	473.00	80.068	84.000	265953	0.000	0.098	0.0	16.5
DRAWDOWN	SL_B900-1 East	PERC	474.00	80.067	84.000	265940	0.000	0.098	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	475.00	80.065	84.000	265927	0.000	0.097	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	476.00	80.064	84.000	265914	0.000	0.097	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	477.00	80.063	84.000	265901	0.000	0.097	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	478.00	80.062	84.000	265888	0.000	0.097	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	479.00	80.060	84.000	265875	0.000	0.097	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	480.00	80.059	84.000	265862	0.000	0.097	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	481.00	80.058	84.000	265849	0.000	0.097	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	482.00	80.056	84.000	265836	0.000	0.097	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	483.00	80.055	84.000	265823	0.000	0.096	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	484.00	80.054	84.000	265810	0.000	0.096	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	485.00	80.052	84.000	265798	0.000	0.096	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	486.00	80.051	84.000	265785	0.000	0.096	0.0	16.6
DRAWDOWN	SL_B900-1 East	PERC	487.00	80.050	84.000	265772	0.000	0.096	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	488.00	80.048	84.000	265759	0.000	0.096	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	489.00	80.047	84.000	265746	0.000	0.096	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	490.00	80.046	84.000	265734	0.000	0.095	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	491.00	80.045	84.000	265721	0.000	0.095	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	492.00	80.043	84.000	265708	0.000	0.095	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	493.00	80.042	84.000	265695	0.000	0.095	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	494.00	80.041	84.000	265683	0.000	0.095	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	495.00	80.039	84.000	265670	0.000	0.095	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	496.00	80.038	84.000	265657	0.000	0.095	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	497.00	80.037	84.000	265645	0.000	0.095	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	498.00	80.036	84.000	265632	0.000	0.094	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	499.00	80.034	84.000	265619	0.000	0.094	0.0	16.7
DRAWDOWN	SL_B900-1 East	PERC	500.00	80.033	84.000	265607	0.000	0.094	0.0	16.8
DRAWDOWN	SL_B900-1 East	PERC	501.00	80.032	84.000	265594	0.000	0.094	0.0	16.8
DRAWDOWN	SL_B900-1 East	PERC	502.00	80.030	84.000	265582	0.000	0.094	0.0	16.8
DRAWDOWN	SL_B900-1 East	PERC	503.00	80.029	84.000	265569	0.000	0.094	0.0	16.8
DRAWDOWN	SL_B900-1 East	PERC	504.00	80.028	84.000	265556	0.000	0.094	0.0	16.8
DRAWDOWN	SL_B900-1 East	PERC	505.00	80.027	84.000	265544	0.000	0.094	0.0	16.8
DRAWDOWN	SL_B900-1 East	PERC	506.00	80.025	84.000	265531	0.000	0.093	0.0	16.8
DRAWDOWN	SL_B900-1 East	PERC	507.00	80.024	84.000	265519	0.000	0.093	0.0	16.8
DRAWDOWN	SL_B900-1 East	PERC	508.00	80.023	84.000	265506	0.000	0.093	0.0	16.8
DRAWDOWN	SL_B900-1 East	PERC	509.00	80.022	84.000	265494	0.000	0.093	0.0	16.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 East	PERC	510.00	80.020	84.000	265481	0.000	0.093	0.0	16.8
DRAWDOWN	SL_B900-1 East	PERC	511.00	80.019	84.000	265469	0.000	0.093	0.0	16.8
DRAWDOWN	SL_B900-1 East	PERC	512.00	80.018	84.000	265457	0.000	0.093	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	513.00	80.017	84.000	265444	0.000	0.093	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	514.00	80.015	84.000	265432	0.000	0.092	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	515.00	80.014	84.000	265419	0.000	0.092	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	516.00	80.013	84.000	265407	0.000	0.092	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	517.00	80.012	84.000	265395	0.000	0.092	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	518.00	80.010	84.000	265382	0.000	0.092	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	519.00	80.009	84.000	265370	0.000	0.092	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	520.00	80.008	84.000	265358	0.000	0.092	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	521.00	80.007	84.000	265346	0.000	0.092	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	522.00	80.005	84.000	265333	0.000	0.092	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	523.00	80.004	84.000	265321	0.000	0.091	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	524.00	80.003	84.000	265309	0.000	0.091	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	525.00	80.002	84.000	265297	0.000	0.091	0.0	16.9
DRAWDOWN	SL_B900-1 East	PERC	526.00	80.000	84.000	265284	0.000	0.091	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	527.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	528.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	529.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	530.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	531.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	532.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	533.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	534.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	535.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	536.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	537.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	538.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	539.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	540.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	541.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	542.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	543.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	544.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	545.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	546.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	547.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	548.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	549.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	550.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	551.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	552.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	553.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	554.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	555.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	556.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	557.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	558.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	559.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	560.00	80.000	84.000	265280	0.000	0.000	0.0	17.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 East	PERC	561.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	562.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	563.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	564.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	565.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	566.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	567.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	568.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	569.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	570.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	571.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	572.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	573.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	574.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	575.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	576.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	577.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	578.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	579.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	580.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	581.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	582.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	583.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	584.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	585.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	586.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	587.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	588.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	589.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	590.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	591.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	592.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	593.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	594.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	595.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	596.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	597.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	598.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	599.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	600.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	601.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	602.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	603.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	604.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	605.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	606.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	607.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	608.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	609.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	610.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	611.00	80.000	84.000	265280	0.000	0.000	0.0	17.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 East	PERC	612.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	613.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	614.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	615.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	616.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	617.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	618.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	619.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	620.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	621.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	622.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	623.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	624.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	625.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	626.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	627.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	628.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	629.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	630.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	631.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	632.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	633.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	634.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	635.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	636.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	637.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	638.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	639.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	640.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	641.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	642.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	643.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	644.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	645.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	646.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	647.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	648.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	649.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	650.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	651.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	652.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	653.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	654.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	655.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	656.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	657.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	658.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	659.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	660.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	661.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	662.00	80.000	84.000	265280	0.000	0.000	0.0	17.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 East	PERC	663.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	664.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	665.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	666.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	667.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	668.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	669.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	670.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	671.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	672.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	673.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	674.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	675.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	676.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	677.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	678.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	679.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	680.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	681.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	682.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	683.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	684.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	685.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	686.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	687.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	688.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	689.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	690.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	691.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	692.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	693.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	694.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	695.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	696.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	697.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	698.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	699.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	700.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	701.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	702.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	703.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	704.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	705.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	706.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	707.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	708.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	709.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	710.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	711.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	712.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	713.00	80.000	84.000	265280	0.000	0.000	0.0	17.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	SL_B900-1 East	PERC	714.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	715.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	716.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	717.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	718.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	719.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	720.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	721.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	722.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	723.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	724.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	725.00	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 East	PERC	725.01	80.000	84.000	265280	0.000	0.000	0.0	17.0
DRAWDOWN	SL_B900-1 West	PERC	0.00	88.790	89.000	55379	0.000	0.000	0.0	0.0
DRAWDOWN	SL_B900-1 West	PERC	1.01	88.288	89.000	53435	0.000	7.422	0.0	0.3
DRAWDOWN	SL_B900-1 West	PERC	2.01	87.788	89.000	51499	0.000	7.153	0.0	0.9
DRAWDOWN	SL_B900-1 West	PERC	3.00	87.503	89.000	50397	0.000	1.982	0.0	1.3
DRAWDOWN	SL_B900-1 West	PERC	4.00	87.392	89.000	49966	0.000	1.268	0.0	1.4
DRAWDOWN	SL_B900-1 West	PERC	5.00	87.311	89.000	49653	0.000	0.996	0.0	1.5
DRAWDOWN	SL_B900-1 West	PERC	6.00	87.245	89.000	49396	0.000	0.843	0.0	1.6
DRAWDOWN	SL_B900-1 West	PERC	7.00	87.187	89.000	49173	0.000	0.741	0.0	1.7
DRAWDOWN	SL_B900-1 West	PERC	8.00	87.135	89.000	48973	0.000	0.667	0.0	1.7
DRAWDOWN	SL_B900-1 West	PERC	9.00	87.089	89.000	48791	0.000	0.610	0.0	1.8
DRAWDOWN	SL_B900-1 West	PERC	10.00	87.045	89.000	48623	0.000	0.565	0.0	1.8
DRAWDOWN	SL_B900-1 West	PERC	11.00	87.005	89.000	48466	0.000	0.528	0.0	1.9
DRAWDOWN	SL_B900-1 West	PERC	12.00	86.967	89.000	48319	0.000	0.497	0.0	1.9
DRAWDOWN	SL_B900-1 West	PERC	13.00	86.930	89.000	48179	0.000	0.470	0.0	1.9
DRAWDOWN	SL_B900-1 West	PERC	14.00	86.896	89.000	48047	0.000	0.446	0.0	2.0
DRAWDOWN	SL_B900-1 West	PERC	15.00	86.864	89.000	47920	0.000	0.426	0.0	2.0
DRAWDOWN	SL_B900-1 West	PERC	16.00	86.832	89.000	47799	0.000	0.408	0.0	2.1
DRAWDOWN	SL_B900-1 West	PERC	17.00	86.802	89.000	47682	0.000	0.391	0.0	2.1
DRAWDOWN	SL_B900-1 West	PERC	18.00	86.773	89.000	47570	0.000	0.377	0.0	2.1
DRAWDOWN	SL_B900-1 West	PERC	19.00	86.745	89.000	47461	0.000	0.363	0.0	2.1
DRAWDOWN	SL_B900-1 West	PERC	20.00	86.718	89.000	47356	0.000	0.351	0.0	2.2
DRAWDOWN	SL_B900-1 West	PERC	21.00	86.692	89.000	47255	0.000	0.340	0.0	2.2
DRAWDOWN	SL_B900-1 West	PERC	22.00	86.666	89.000	47156	0.000	0.329	0.0	2.2
DRAWDOWN	SL_B900-1 West	PERC	23.00	86.641	89.000	47060	0.000	0.319	0.0	2.3
DRAWDOWN	SL_B900-1 West	PERC	24.00	86.617	89.000	46967	0.000	0.310	0.0	2.3
DRAWDOWN	SL_B900-1 West	PERC	25.00	86.594	89.000	46876	0.000	0.302	0.0	2.3
DRAWDOWN	SL_B900-1 West	PERC	26.00	86.571	89.000	46787	0.000	0.294	0.0	2.3
DRAWDOWN	SL_B900-1 West	PERC	27.00	86.548	89.000	46700	0.000	0.287	0.0	2.4
DRAWDOWN	SL_B900-1 West	PERC	28.00	86.527	89.000	46616	0.000	0.280	0.0	2.4
DRAWDOWN	SL_B900-1 West	PERC	29.00	86.505	89.000	46533	0.000	0.273	0.0	2.4
DRAWDOWN	SL_B900-1 West	PERC	30.00	86.484	89.000	46452	0.000	0.267	0.0	2.4
DRAWDOWN	SL_B900-1 West	PERC	31.00	86.464	89.000	46372	0.000	0.261	0.0	2.4
DRAWDOWN	SL_B900-1 West	PERC	32.00	86.444	89.000	46295	0.000	0.256	0.0	2.5
DRAWDOWN	SL_B900-1 West	PERC	33.00	86.424	89.000	46219	0.000	0.250	0.0	2.5
DRAWDOWN	SL_B900-1 West	PERC	34.00	86.405	89.000	46144	0.000	0.245	0.0	2.5
DRAWDOWN	SL_B900-1 West	PERC	35.00	86.386	89.000	46070	0.000	0.240	0.0	2.5
DRAWDOWN	SL_B900-1 West	PERC	36.00	86.367	89.000	45998	0.000	0.236	0.0	2.6

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	37.00	86.349	89.000	45928	0.000	0.231	0.0	2.6
DRAWDOWN	SL_B900-1 West	PERC	38.00	86.331	89.000	45858	0.000	0.227	0.0	2.6
DRAWDOWN	SL_B900-1 West	PERC	39.00	86.313	89.000	45790	0.000	0.223	0.0	2.6
DRAWDOWN	SL_B900-1 West	PERC	40.00	86.296	89.000	45723	0.000	0.219	0.0	2.6
DRAWDOWN	SL_B900-1 West	PERC	41.00	86.279	89.000	45656	0.000	0.215	0.0	2.6
DRAWDOWN	SL_B900-1 West	PERC	42.00	86.262	89.000	45591	0.000	0.211	0.0	2.7
DRAWDOWN	SL_B900-1 West	PERC	43.00	86.246	89.000	45527	0.000	0.208	0.0	2.7
DRAWDOWN	SL_B900-1 West	PERC	44.00	86.229	89.000	45464	0.000	0.204	0.0	2.7
DRAWDOWN	SL_B900-1 West	PERC	45.00	86.213	89.000	45402	0.000	0.201	0.0	2.7
DRAWDOWN	SL_B900-1 West	PERC	46.00	86.197	89.000	45341	0.000	0.198	0.0	2.7
DRAWDOWN	SL_B900-1 West	PERC	47.00	86.182	89.000	45280	0.000	0.195	0.0	2.7
DRAWDOWN	SL_B900-1 West	PERC	48.00	86.166	89.000	45221	0.000	0.192	0.0	2.8
DRAWDOWN	SL_B900-1 West	PERC	49.00	86.151	89.000	45162	0.000	0.189	0.0	2.8
DRAWDOWN	SL_B900-1 West	PERC	50.00	86.136	89.000	45104	0.000	0.186	0.0	2.8
DRAWDOWN	SL_B900-1 West	PERC	51.00	86.122	89.000	45047	0.000	0.183	0.0	2.8
DRAWDOWN	SL_B900-1 West	PERC	52.00	86.107	89.000	44991	0.000	0.180	0.0	2.8
DRAWDOWN	SL_B900-1 West	PERC	53.00	86.093	89.000	44936	0.000	0.178	0.0	2.8
DRAWDOWN	SL_B900-1 West	PERC	54.00	86.079	89.000	44881	0.000	0.175	0.0	2.9
DRAWDOWN	SL_B900-1 West	PERC	55.00	86.065	89.000	44827	0.000	0.173	0.0	2.9
DRAWDOWN	SL_B900-1 West	PERC	56.00	86.051	89.000	44773	0.000	0.171	0.0	2.9
DRAWDOWN	SL_B900-1 West	PERC	57.00	86.037	89.000	44720	0.000	0.168	0.0	2.9
DRAWDOWN	SL_B900-1 West	PERC	58.00	86.024	89.000	44668	0.000	0.166	0.0	2.9
DRAWDOWN	SL_B900-1 West	PERC	59.00	86.010	89.000	44617	0.000	0.164	0.0	2.9
DRAWDOWN	SL_B900-1 West	PERC	60.00	85.997	89.000	44566	0.000	0.162	0.0	2.9
DRAWDOWN	SL_B900-1 West	PERC	61.00	85.984	89.000	44516	0.000	0.160	0.0	2.9
DRAWDOWN	SL_B900-1 West	PERC	62.00	85.972	89.000	44466	0.000	0.157	0.0	3.0
DRAWDOWN	SL_B900-1 West	PERC	63.00	85.959	89.000	44417	0.000	0.156	0.0	3.0
DRAWDOWN	SL_B900-1 West	PERC	64.00	85.946	89.000	44368	0.000	0.154	0.0	3.0
DRAWDOWN	SL_B900-1 West	PERC	65.00	85.934	89.000	44321	0.000	0.152	0.0	3.0
DRAWDOWN	SL_B900-1 West	PERC	66.00	85.922	89.000	44273	0.000	0.150	0.0	3.0
DRAWDOWN	SL_B900-1 West	PERC	67.00	85.910	89.000	44226	0.000	0.148	0.0	3.0
DRAWDOWN	SL_B900-1 West	PERC	68.00	85.898	89.000	44180	0.000	0.146	0.0	3.0
DRAWDOWN	SL_B900-1 West	PERC	69.00	85.886	89.000	44134	0.000	0.145	0.0	3.1
DRAWDOWN	SL_B900-1 West	PERC	70.00	85.874	89.000	44088	0.000	0.143	0.0	3.1
DRAWDOWN	SL_B900-1 West	PERC	71.00	85.862	89.000	44043	0.000	0.141	0.0	3.1
DRAWDOWN	SL_B900-1 West	PERC	72.00	85.851	89.000	43999	0.000	0.140	0.0	3.1
DRAWDOWN	SL_B900-1 West	PERC	73.00	85.840	89.000	43955	0.000	0.138	0.0	3.1
DRAWDOWN	SL_B900-1 West	PERC	74.00	85.828	89.000	43911	0.000	0.137	0.0	3.1
DRAWDOWN	SL_B900-1 West	PERC	75.00	85.817	89.000	43868	0.000	0.135	0.0	3.1
DRAWDOWN	SL_B900-1 West	PERC	76.00	85.806	89.000	43826	0.000	0.134	0.0	3.1
DRAWDOWN	SL_B900-1 West	PERC	77.00	85.795	89.000	43783	0.000	0.132	0.0	3.1
DRAWDOWN	SL_B900-1 West	PERC	78.00	85.784	89.000	43742	0.000	0.131	0.0	3.2
DRAWDOWN	SL_B900-1 West	PERC	79.00	85.774	89.000	43700	0.000	0.129	0.0	3.2
DRAWDOWN	SL_B900-1 West	PERC	80.00	85.763	89.000	43659	0.000	0.128	0.0	3.2
DRAWDOWN	SL_B900-1 West	PERC	81.00	85.753	89.000	43618	0.000	0.127	0.0	3.2
DRAWDOWN	SL_B900-1 West	PERC	82.00	85.742	89.000	43578	0.000	0.125	0.0	3.2
DRAWDOWN	SL_B900-1 West	PERC	83.00	85.732	89.000	43538	0.000	0.124	0.0	3.2
DRAWDOWN	SL_B900-1 West	PERC	84.00	85.722	89.000	43499	0.000	0.123	0.0	3.2
DRAWDOWN	SL_B900-1 West	PERC	85.00	85.712	89.000	43460	0.000	0.122	0.0	3.2
DRAWDOWN	SL_B900-1 West	PERC	86.00	85.702	89.000	43421	0.000	0.120	0.0	3.2
DRAWDOWN	SL_B900-1 West	PERC	87.00	85.692	89.000	43382	0.000	0.119	0.0	3.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	88.00	85.682	89.000	43344	0.000	0.118	0.0	3.3
DRAWDOWN	SL_B900-1 West	PERC	89.00	85.672	89.000	43306	0.000	0.117	0.0	3.3
DRAWDOWN	SL_B900-1 West	PERC	90.00	85.662	89.000	43269	0.000	0.116	0.0	3.3
DRAWDOWN	SL_B900-1 West	PERC	91.00	85.653	89.000	43232	0.000	0.115	0.0	3.3
DRAWDOWN	SL_B900-1 West	PERC	92.00	85.643	89.000	43195	0.000	0.114	0.0	3.3
DRAWDOWN	SL_B900-1 West	PERC	93.00	85.634	89.000	43158	0.000	0.113	0.0	3.3
DRAWDOWN	SL_B900-1 West	PERC	94.00	85.624	89.000	43122	0.000	0.112	0.0	3.3
DRAWDOWN	SL_B900-1 West	PERC	95.00	85.615	89.000	43086	0.000	0.111	0.0	3.3
DRAWDOWN	SL_B900-1 West	PERC	96.00	85.606	89.000	43051	0.000	0.110	0.0	3.3
DRAWDOWN	SL_B900-1 West	PERC	97.00	85.597	89.000	43015	0.000	0.109	0.0	3.3
DRAWDOWN	SL_B900-1 West	PERC	98.00	85.588	89.000	42980	0.000	0.108	0.0	3.3
DRAWDOWN	SL_B900-1 West	PERC	99.00	85.579	89.000	42946	0.000	0.107	0.0	3.4
DRAWDOWN	SL_B900-1 West	PERC	100.00	85.570	89.000	42911	0.000	0.106	0.0	3.4
DRAWDOWN	SL_B900-1 West	PERC	101.00	85.561	89.000	42877	0.000	0.105	0.0	3.4
DRAWDOWN	SL_B900-1 West	PERC	102.00	85.552	89.000	42843	0.000	0.104	0.0	3.4
DRAWDOWN	SL_B900-1 West	PERC	103.00	85.544	89.000	42809	0.000	0.103	0.0	3.4
DRAWDOWN	SL_B900-1 West	PERC	104.00	85.535	89.000	42776	0.000	0.102	0.0	3.4
DRAWDOWN	SL_B900-1 West	PERC	105.00	85.526	89.000	42743	0.000	0.101	0.0	3.4
DRAWDOWN	SL_B900-1 West	PERC	106.00	85.518	89.000	42710	0.000	0.100	0.0	3.4
DRAWDOWN	SL_B900-1 West	PERC	107.00	85.510	89.000	42677	0.000	0.100	0.0	3.4
DRAWDOWN	SL_B900-1 West	PERC	108.00	85.501	89.000	42645	0.000	0.099	0.0	3.4
DRAWDOWN	SL_B900-1 West	PERC	109.00	85.493	89.000	42613	0.000	0.098	0.0	3.4
DRAWDOWN	SL_B900-1 West	PERC	110.00	85.485	89.000	42581	0.000	0.097	0.0	3.4
DRAWDOWN	SL_B900-1 West	PERC	111.00	85.476	89.000	42549	0.000	0.096	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	112.00	85.468	89.000	42517	0.000	0.096	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	113.00	85.460	89.000	42486	0.000	0.095	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	114.00	85.452	89.000	42455	0.000	0.094	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	115.00	85.444	89.000	42424	0.000	0.093	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	116.00	85.436	89.000	42394	0.000	0.093	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	117.00	85.428	89.000	42363	0.000	0.092	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	118.00	85.421	89.000	42333	0.000	0.091	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	119.00	85.413	89.000	42303	0.000	0.091	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	120.00	85.405	89.000	42273	0.000	0.090	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	121.00	85.398	89.000	42244	0.000	0.089	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	122.00	85.390	89.000	42214	0.000	0.089	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	123.00	85.382	89.000	42185	0.000	0.088	0.0	3.5
DRAWDOWN	SL_B900-1 West	PERC	124.00	85.375	89.000	42156	0.000	0.087	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	125.00	85.368	89.000	42127	0.000	0.087	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	126.00	85.360	89.000	42099	0.000	0.086	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	127.00	85.353	89.000	42070	0.000	0.086	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	128.00	85.345	89.000	42042	0.000	0.085	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	129.00	85.338	89.000	42014	0.000	0.084	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	130.00	85.331	89.000	41986	0.000	0.084	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	131.00	85.324	89.000	41958	0.000	0.083	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	132.00	85.317	89.000	41931	0.000	0.083	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	133.00	85.310	89.000	41903	0.000	0.082	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	134.00	85.303	89.000	41876	0.000	0.082	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	135.00	85.296	89.000	41849	0.000	0.081	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	136.00	85.289	89.000	41822	0.000	0.080	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	137.00	85.282	89.000	41795	0.000	0.080	0.0	3.6
DRAWDOWN	SL_B900-1 West	PERC	138.00	85.275	89.000	41769	0.000	0.079	0.0	3.7

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	139.00	85.268	89.000	41742	0.000	0.079	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	140.00	85.261	89.000	41716	0.000	0.078	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	141.00	85.255	89.000	41690	0.000	0.078	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	142.00	85.248	89.000	41664	0.000	0.077	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	143.00	85.241	89.000	41638	0.000	0.077	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	144.00	85.235	89.000	41613	0.000	0.076	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	145.00	85.228	89.000	41587	0.000	0.076	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	146.00	85.221	89.000	41562	0.000	0.076	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	147.00	85.215	89.000	41536	0.000	0.075	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	148.00	85.208	89.000	41511	0.000	0.075	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	149.00	85.202	89.000	41486	0.000	0.074	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	150.00	85.196	89.000	41461	0.000	0.074	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	151.00	85.189	89.000	41437	0.000	0.073	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	152.00	85.183	89.000	41412	0.000	0.073	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	153.00	85.176	89.000	41388	0.000	0.072	0.0	3.7
DRAWDOWN	SL_B900-1 West	PERC	154.00	85.170	89.000	41363	0.000	0.072	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	155.00	85.164	89.000	41339	0.000	0.072	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	156.00	85.158	89.000	41315	0.000	0.071	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	157.00	85.152	89.000	41291	0.000	0.071	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	158.00	85.145	89.000	41267	0.000	0.070	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	159.00	85.139	89.000	41244	0.000	0.070	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	160.00	85.133	89.000	41220	0.000	0.070	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	161.00	85.127	89.000	41197	0.000	0.069	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	162.00	85.121	89.000	41173	0.000	0.069	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	163.00	85.115	89.000	41150	0.000	0.068	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	164.00	85.109	89.000	41127	0.000	0.068	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	165.00	85.103	89.000	41104	0.000	0.068	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	166.00	85.097	89.000	41081	0.000	0.067	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	167.00	85.091	89.000	41058	0.000	0.067	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	168.00	85.086	89.000	41036	0.000	0.066	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	169.00	85.080	89.000	41013	0.000	0.066	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	170.00	85.074	89.000	40991	0.000	0.066	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	171.00	85.068	89.000	40969	0.000	0.065	0.0	3.8
DRAWDOWN	SL_B900-1 West	PERC	172.00	85.062	89.000	40946	0.000	0.065	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	173.00	85.057	89.000	40924	0.000	0.065	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	174.00	85.051	89.000	40902	0.000	0.064	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	175.00	85.045	89.000	40880	0.000	0.064	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	176.00	85.040	89.000	40859	0.000	0.064	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	177.00	85.034	89.000	40837	0.000	0.063	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	178.00	85.029	89.000	40815	0.000	0.063	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	179.00	85.023	89.000	40794	0.000	0.063	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	180.00	85.018	89.000	40772	0.000	0.062	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	181.00	85.012	89.000	40751	0.000	0.062	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	182.00	85.007	89.000	40730	0.000	0.062	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	183.00	85.001	89.000	40709	0.000	0.062	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	184.00	84.996	89.000	40688	0.000	0.061	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	185.00	84.990	89.000	40667	0.000	0.061	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	186.00	84.985	89.000	40646	0.000	0.061	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	187.00	84.980	89.000	40625	0.000	0.060	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	188.00	84.974	89.000	40605	0.000	0.060	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	189.00	84.969	89.000	40584	0.000	0.060	0.0	3.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	190.00	84.964	89.000	40563	0.000	0.059	0.0	3.9
DRAWDOWN	SL_B900-1 West	PERC	191.00	84.958	89.000	40543	0.000	0.059	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	192.00	84.953	89.000	40523	0.000	0.059	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	193.00	84.948	89.000	40503	0.000	0.059	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	194.00	84.943	89.000	40482	0.000	0.058	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	195.00	84.938	89.000	40462	0.000	0.058	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	196.00	84.932	89.000	40442	0.000	0.058	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	197.00	84.927	89.000	40423	0.000	0.058	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	198.00	84.922	89.000	40403	0.000	0.057	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	199.00	84.917	89.000	40383	0.000	0.057	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	200.00	84.912	89.000	40363	0.000	0.057	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	201.00	84.907	89.000	40344	0.000	0.056	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	202.00	84.902	89.000	40324	0.000	0.056	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	203.00	84.897	89.000	40305	0.000	0.056	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	204.00	84.892	89.000	40286	0.000	0.056	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	205.00	84.887	89.000	40266	0.000	0.055	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	206.00	84.882	89.000	40247	0.000	0.055	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	207.00	84.877	89.000	40228	0.000	0.055	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	208.00	84.872	89.000	40209	0.000	0.055	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	209.00	84.867	89.000	40190	0.000	0.055	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	210.00	84.862	89.000	40171	0.000	0.054	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	211.00	84.857	89.000	40153	0.000	0.054	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	212.00	84.853	89.000	40134	0.000	0.054	0.0	4.0
DRAWDOWN	SL_B900-1 West	PERC	213.00	84.848	89.000	40115	0.000	0.054	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	214.00	84.843	89.000	40097	0.000	0.053	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	215.00	84.838	89.000	40078	0.000	0.053	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	216.00	84.833	89.000	40060	0.000	0.053	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	217.00	84.829	89.000	40041	0.000	0.053	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	218.00	84.824	89.000	40023	0.000	0.052	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	219.00	84.819	89.000	40005	0.000	0.052	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	220.00	84.815	89.000	39987	0.000	0.052	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	221.00	84.810	89.000	39968	0.000	0.052	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	222.00	84.805	89.000	39950	0.000	0.052	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	223.00	84.801	89.000	39932	0.000	0.051	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	224.00	84.796	89.000	39915	0.000	0.051	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	225.00	84.791	89.000	39897	0.000	0.051	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	226.00	84.787	89.000	39879	0.000	0.051	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	227.00	84.782	89.000	39861	0.000	0.051	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	228.00	84.778	89.000	39844	0.000	0.050	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	229.00	84.773	89.000	39826	0.000	0.050	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	230.00	84.769	89.000	39809	0.000	0.050	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	231.00	84.764	89.000	39791	0.000	0.050	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	232.00	84.760	89.000	39774	0.000	0.050	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	233.00	84.755	89.000	39756	0.000	0.049	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	234.00	84.751	89.000	39739	0.000	0.049	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	235.00	84.746	89.000	39722	0.000	0.049	0.0	4.1
DRAWDOWN	SL_B900-1 West	PERC	236.00	84.742	89.000	39705	0.000	0.049	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	237.00	84.737	89.000	39688	0.000	0.049	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	238.00	84.733	89.000	39671	0.000	0.048	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	239.00	84.729	89.000	39654	0.000	0.048	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	240.00	84.724	89.000	39637	0.000	0.048	0.0	4.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	241.00	84.720	89.000	39620	0.000	0.048	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	242.00	84.716	89.000	39603	0.000	0.048	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	243.00	84.711	89.000	39586	0.000	0.047	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	244.00	84.707	89.000	39570	0.000	0.047	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	245.00	84.703	89.000	39553	0.000	0.047	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	246.00	84.698	89.000	39536	0.000	0.047	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	247.00	84.694	89.000	39520	0.000	0.047	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	248.00	84.690	89.000	39503	0.000	0.047	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	249.00	84.686	89.000	39487	0.000	0.046	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	250.00	84.681	89.000	39471	0.000	0.046	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	251.00	84.677	89.000	39454	0.000	0.046	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	252.00	84.673	89.000	39438	0.000	0.046	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	253.00	84.669	89.000	39422	0.000	0.046	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	254.00	84.665	89.000	39406	0.000	0.046	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	255.00	84.660	89.000	39390	0.000	0.045	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	256.00	84.656	89.000	39374	0.000	0.045	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	257.00	84.652	89.000	39358	0.000	0.045	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	258.00	84.648	89.000	39342	0.000	0.045	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	259.00	84.644	89.000	39326	0.000	0.045	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	260.00	84.640	89.000	39310	0.000	0.045	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	261.00	84.636	89.000	39294	0.000	0.044	0.0	4.2
DRAWDOWN	SL_B900-1 West	PERC	262.00	84.632	89.000	39278	0.000	0.044	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	263.00	84.628	89.000	39263	0.000	0.044	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	264.00	84.624	89.000	39247	0.000	0.044	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	265.00	84.620	89.000	39231	0.000	0.044	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	266.00	84.616	89.000	39216	0.000	0.044	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	267.00	84.612	89.000	39200	0.000	0.044	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	268.00	84.608	89.000	39185	0.000	0.043	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	269.00	84.604	89.000	39169	0.000	0.043	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	270.00	84.600	89.000	39154	0.000	0.043	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	271.00	84.596	89.000	39139	0.000	0.043	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	272.00	84.592	89.000	39123	0.000	0.043	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	273.00	84.588	89.000	39108	0.000	0.043	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	274.00	84.584	89.000	39093	0.000	0.043	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	275.00	84.580	89.000	39078	0.000	0.042	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	276.00	84.576	89.000	39063	0.000	0.042	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	277.00	84.572	89.000	39048	0.000	0.042	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	278.00	84.568	89.000	39033	0.000	0.042	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	279.00	84.564	89.000	39018	0.000	0.042	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	280.00	84.561	89.000	39003	0.000	0.042	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	281.00	84.557	89.000	38988	0.000	0.042	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	282.00	84.553	89.000	38973	0.000	0.041	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	283.00	84.549	89.000	38958	0.000	0.041	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	284.00	84.545	89.000	38944	0.000	0.041	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	285.00	84.541	89.000	38929	0.000	0.041	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	286.00	84.538	89.000	38914	0.000	0.041	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	287.00	84.534	89.000	38900	0.000	0.041	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	288.00	84.530	89.000	38885	0.000	0.041	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	289.00	84.526	89.000	38871	0.000	0.040	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	290.00	84.523	89.000	38856	0.000	0.040	0.0	4.3
DRAWDOWN	SL_B900-1 West	PERC	291.00	84.519	89.000	38842	0.000	0.040	0.0	4.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	292.00	84.515	89.000	38827	0.000	0.040	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	293.00	84.511	89.000	38813	0.000	0.040	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	294.00	84.508	89.000	38799	0.000	0.040	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	295.00	84.504	89.000	38784	0.000	0.040	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	296.00	84.500	89.000	38770	0.000	0.040	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	297.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	298.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	299.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	300.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	301.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	302.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	303.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	304.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	305.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	306.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	307.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	308.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	309.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	310.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	311.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	312.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	313.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	314.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	315.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	316.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	317.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	318.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	319.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	320.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	321.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	322.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	323.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	324.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	325.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	326.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	327.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	328.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	329.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	330.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	331.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	332.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	333.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	334.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	335.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	336.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	337.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	338.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	339.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	340.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	341.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	342.00	84.500	89.000	38768	0.000	0.000	0.0	4.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	343.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	344.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	345.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	346.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	347.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	348.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	349.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	350.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	351.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	352.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	353.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	354.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	355.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	356.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	357.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	358.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	359.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	360.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	361.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	362.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	363.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	364.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	365.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	366.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	367.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	368.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	369.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	370.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	371.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	372.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	373.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	374.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	375.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	376.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	377.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	378.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	379.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	380.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	381.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	382.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	383.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	384.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	385.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	386.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	387.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	388.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	389.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	390.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	391.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	392.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	393.00	84.500	89.000	38768	0.000	0.000	0.0	4.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	394.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	395.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	396.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	397.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	398.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	399.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	400.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	401.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	402.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	403.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	404.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	405.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	406.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	407.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	408.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	409.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	410.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	411.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	412.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	413.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	414.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	415.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	416.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	417.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	418.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	419.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	420.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	421.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	422.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	423.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	424.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	425.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	426.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	427.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	428.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	429.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	430.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	431.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	432.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	433.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	434.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	435.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	436.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	437.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	438.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	439.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	440.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	441.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	442.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	443.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	444.00	84.500	89.000	38768	0.000	0.000	0.0	4.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	445.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	446.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	447.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	448.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	449.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	450.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	451.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	452.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	453.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	454.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	455.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	456.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	457.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	458.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	459.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	460.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	461.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	462.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	463.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	464.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	465.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	466.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	467.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	468.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	469.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	470.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	471.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	472.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	473.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	474.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	475.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	476.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	477.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	478.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	479.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	480.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	481.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	482.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	483.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	484.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	485.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	486.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	487.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	488.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	489.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	490.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	491.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	492.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	493.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	494.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	495.00	84.500	89.000	38768	0.000	0.000	0.0	4.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	496.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	497.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	498.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	499.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	500.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	501.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	502.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	503.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	504.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	505.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	506.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	507.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	508.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	509.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	510.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	511.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	512.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	513.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	514.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	515.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	516.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	517.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	518.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	519.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	520.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	521.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	522.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	523.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	524.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	525.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	526.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	527.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	528.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	529.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	530.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	531.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	532.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	533.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	534.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	535.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	536.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	537.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	538.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	539.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	540.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	541.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	542.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	543.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	544.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	545.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	546.00	84.500	89.000	38768	0.000	0.000	0.0	4.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	547.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	548.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	549.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	550.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	551.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	552.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	553.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	554.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	555.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	556.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	557.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	558.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	559.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	560.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	561.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	562.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	563.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	564.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	565.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	566.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	567.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	568.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	569.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	570.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	571.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	572.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	573.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	574.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	575.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	576.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	577.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	578.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	579.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	580.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	581.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	582.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	583.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	584.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	585.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	586.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	587.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	588.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	589.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	590.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	591.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	592.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	593.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	594.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	595.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	596.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	597.00	84.500	89.000	38768	0.000	0.000	0.0	4.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	598.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	599.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	600.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	601.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	602.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	603.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	604.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	605.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	606.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	607.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	608.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	609.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	610.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	611.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	612.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	613.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	614.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	615.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	616.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	617.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	618.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	619.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	620.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	621.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	622.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	623.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	624.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	625.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	626.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	627.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	628.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	629.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	630.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	631.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	632.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	633.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	634.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	635.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	636.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	637.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	638.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	639.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	640.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	641.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	642.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	643.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	644.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	645.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	646.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	647.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	648.00	84.500	89.000	38768	0.000	0.000	0.0	4.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	649.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	650.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	651.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	652.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	653.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	654.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	655.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	656.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	657.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	658.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	659.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	660.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	661.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	662.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	663.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	664.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	665.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	666.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	667.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	668.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	669.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	670.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	671.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	672.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	673.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	674.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	675.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	676.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	677.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	678.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	679.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	680.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	681.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	682.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	683.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	684.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	685.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	686.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	687.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	688.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	689.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	690.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	691.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	692.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	693.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	694.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	695.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	696.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	697.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	698.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	699.00	84.500	89.000	38768	0.000	0.000	0.0	4.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-1 West	PERC	700.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	701.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	702.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	703.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	704.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	705.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	706.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	707.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	708.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	709.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	710.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	711.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	712.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	713.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	714.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	715.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	716.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	717.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	718.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	719.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	720.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	721.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	722.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	723.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	724.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	725.00	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	SL_B900-1 West	PERC	725.01	84.500	89.000	38768	0.000	0.000	0.0	4.4
DRAWDOWN	WQ_B900-1 East	PERC	0.00	80.070	83.000	265972	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	1.01	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	2.01	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	3.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	4.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	5.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	6.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	7.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	8.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	9.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	10.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	11.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	12.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	13.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	14.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	15.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	16.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	17.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	18.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	19.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	20.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	21.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	22.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	23.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	24.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	25.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	26.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	27.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	28.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	29.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	30.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	31.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	32.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	33.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	34.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	35.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	36.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	37.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	38.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	39.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	40.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	41.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	42.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	43.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	44.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	45.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	46.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	47.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	48.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	49.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	50.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	51.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	52.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	53.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	54.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	55.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	56.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	57.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	58.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	59.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	60.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	61.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	62.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	63.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	64.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	65.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	66.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	67.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	68.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	69.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	70.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	71.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	72.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	73.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	74.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	75.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	76.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	77.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	78.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	79.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	80.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	81.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	82.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	83.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	84.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	85.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	86.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	87.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	88.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	89.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	90.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	91.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	92.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	93.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	94.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	95.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	96.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	97.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	98.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	99.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	100.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	101.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	102.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	103.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	104.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	105.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	106.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	107.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	108.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	109.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	110.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	111.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	112.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	113.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	114.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	115.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	116.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	117.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	118.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	119.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	120.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	121.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	122.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	123.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	124.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	125.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	126.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	127.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	128.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	129.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	130.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	131.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	132.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	133.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	134.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	135.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	136.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	137.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	138.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	139.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	140.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	141.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	142.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	143.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	144.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	145.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	146.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	147.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	148.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	149.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	150.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	151.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	152.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	153.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	154.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	155.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	156.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	157.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	158.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	159.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	160.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	161.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	162.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	163.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	164.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	165.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	166.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	167.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	168.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	169.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	170.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	171.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	172.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	173.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	174.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	175.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	176.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	177.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	178.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	179.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	180.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	181.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	182.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	183.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	184.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	185.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	186.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	187.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	188.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	189.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	190.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	191.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	192.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	193.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	194.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	195.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	196.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	197.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	198.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	199.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	200.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	201.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	202.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	203.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	204.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	205.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	206.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	207.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	208.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	209.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	210.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	211.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	212.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	213.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	214.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	215.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	216.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	217.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	218.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	219.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	220.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	221.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	222.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	223.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	224.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	225.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	226.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	227.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	228.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	229.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	230.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	231.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	232.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	233.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	234.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	235.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	236.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	237.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	238.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	239.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	240.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	241.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	242.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	243.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	244.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	245.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	246.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	247.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	248.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	249.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	250.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	251.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	252.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	253.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	254.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	255.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	256.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	257.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	258.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	259.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	260.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	261.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	262.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	263.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	264.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	265.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	266.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	267.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	268.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	269.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	270.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	271.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	272.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	273.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	274.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	275.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	276.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	277.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	278.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	279.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	280.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	281.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	282.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	283.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	284.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	285.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	286.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	287.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	288.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	289.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	290.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	291.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	292.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	293.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	294.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	295.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	296.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	297.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	298.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	299.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	300.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	301.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	302.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	303.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	304.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	305.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	306.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	307.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	308.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	309.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	310.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	311.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	312.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	313.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	314.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	315.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	316.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	317.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	318.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	319.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	320.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	321.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	322.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	323.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	324.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	325.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	326.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	327.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	328.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	329.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	330.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	331.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	332.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	333.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	334.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	335.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	336.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	337.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	338.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	339.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	340.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	341.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	342.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	343.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	344.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	345.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	346.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	347.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	348.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	349.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	350.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	351.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	352.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	353.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	354.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	355.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	356.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	357.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	358.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	359.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	360.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	361.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	362.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	363.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	364.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	365.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	366.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	367.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	368.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	369.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	370.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	371.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	372.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	373.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	374.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	375.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	376.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	377.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	378.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	379.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	380.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	381.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	382.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	383.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	384.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	385.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	386.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	387.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	388.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	389.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	390.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	391.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	392.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	393.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	394.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	395.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	396.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	397.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	398.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	399.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	400.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	401.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	402.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	403.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	404.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	405.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	406.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	407.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	408.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	409.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	410.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	411.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	412.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	413.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	414.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	415.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	416.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	417.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	418.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	419.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	420.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	421.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	422.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	423.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	424.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	425.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	426.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	427.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	428.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	429.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	430.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	431.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	432.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	433.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	434.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	435.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	436.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	437.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	438.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	439.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	440.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	441.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	442.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	443.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	444.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	445.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	446.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	447.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	448.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	449.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	450.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	451.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	452.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	453.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	454.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	455.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	456.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	457.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	458.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	459.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	460.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	461.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	462.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	463.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	464.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	465.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	466.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	467.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	468.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	469.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	470.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	471.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	472.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	473.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	474.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	475.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	476.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	477.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	478.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	479.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	480.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	481.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	482.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	483.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	484.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	485.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	486.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	487.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	488.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	489.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	490.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	491.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	492.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	493.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	494.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	495.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	496.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	497.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	498.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	499.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	500.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	501.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	502.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	503.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	504.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	505.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	506.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	507.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	508.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	509.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	510.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	511.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	512.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	513.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	514.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	515.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	516.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	517.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	518.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	519.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	520.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	521.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	522.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	523.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	524.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	525.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	526.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	527.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	528.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	529.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	530.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	531.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	532.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	533.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	534.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	535.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	536.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	537.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	538.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	539.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	540.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	541.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	542.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	543.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	544.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	545.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	546.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	547.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	548.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	549.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	550.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	551.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	552.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	553.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	554.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	555.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	556.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	557.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	558.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	559.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	560.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	561.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	562.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	563.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	564.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	565.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	566.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	567.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	568.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	569.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	570.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	571.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	572.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	573.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	574.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	575.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	576.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	577.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	578.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	579.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	580.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	581.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	582.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	583.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	584.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	585.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	586.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	587.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	588.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	589.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	590.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	591.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	592.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	593.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	594.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	595.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	596.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	597.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	598.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	599.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	600.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	601.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	602.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	603.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	604.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	605.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	606.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	607.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	608.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	609.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	610.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	611.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	612.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	613.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	614.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	615.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	616.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	617.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	618.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	619.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	620.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	621.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	622.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	623.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	624.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	625.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	626.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	627.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	628.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	629.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	630.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	631.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	632.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	633.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	634.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	635.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	636.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	637.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	638.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	639.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	640.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	641.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	642.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	643.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	644.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	645.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	646.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	647.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	648.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	649.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	650.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	651.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	652.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	653.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	654.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	655.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	656.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	657.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	658.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	659.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	660.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	661.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	662.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	663.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	664.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	665.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	666.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	667.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	668.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	669.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	670.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	671.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	672.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	673.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	674.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	675.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	676.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	677.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	678.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	679.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	680.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	681.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	682.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	683.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	684.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	685.00	80.000	83.000	265280	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 East	PERC	686.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	687.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	688.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	689.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	690.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	691.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	692.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	693.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	694.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	695.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	696.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	697.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	698.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	699.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	700.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	701.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	702.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	703.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	704.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	705.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	706.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	707.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	708.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	709.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	710.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	711.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	712.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	713.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	714.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	715.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	716.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	717.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	718.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	719.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	720.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	721.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	722.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	723.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	724.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	725.00	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 East	PERC	725.01	80.000	83.000	265280	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	0.00	84.610	89.000	39194	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	1.01	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	2.01	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	3.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	4.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	5.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	6.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	7.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	8.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	9.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	10.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	11.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	12.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	13.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	14.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	15.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	16.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	17.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	18.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	19.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	20.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	21.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	22.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	23.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	24.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	25.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	26.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	27.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	28.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	29.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	30.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	31.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	32.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	33.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	34.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	35.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	36.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	37.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	38.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	39.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	40.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	41.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	42.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	43.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	44.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	45.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	46.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	47.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	48.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	49.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	50.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	51.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	52.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	53.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	54.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	55.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	56.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	57.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	58.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	59.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	60.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	61.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	62.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	63.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	64.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	65.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	66.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	67.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	68.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	69.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	70.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	71.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	72.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	73.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	74.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	75.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	76.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	77.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	78.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	79.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	80.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	81.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	82.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	83.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	84.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	85.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	86.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	87.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	88.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	89.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	90.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	91.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	92.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	93.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	94.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	95.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	96.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	97.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	98.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	99.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	100.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	101.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	102.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	103.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	104.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	105.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	106.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	107.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	108.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	109.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	110.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	111.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	112.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	113.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	114.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	115.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	116.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	117.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	118.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	119.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	120.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	121.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	122.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	123.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	124.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	125.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	126.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	127.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	128.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	129.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	130.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	131.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	132.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	133.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	134.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	135.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	136.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	137.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	138.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	139.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	140.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	141.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	142.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	143.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	144.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	145.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	146.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	147.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	148.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	149.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	150.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	151.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	152.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	153.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	154.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	155.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	156.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	157.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	158.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	159.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	160.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	161.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	162.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	163.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	164.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	165.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	166.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	167.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	168.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	169.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	170.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	171.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	172.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	173.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	174.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	175.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	176.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	177.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	178.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	179.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	180.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	181.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	182.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	183.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	184.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	185.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	186.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	187.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	188.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	189.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	190.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	191.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	192.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	193.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	194.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	195.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	196.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	197.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	198.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	199.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	200.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	201.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	202.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	203.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	204.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	205.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	206.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	207.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	208.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	209.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	210.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	211.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	212.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	213.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	214.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	215.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	216.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	217.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	218.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	219.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	220.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	221.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	222.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	223.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	224.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	225.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	226.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	227.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	228.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	229.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	230.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	231.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	232.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	233.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	234.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	235.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	236.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	237.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	238.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	239.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	240.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	241.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	242.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	243.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	244.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	245.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	246.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	247.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	248.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	249.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	250.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	251.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	252.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	253.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	254.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	255.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	256.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	257.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	258.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	259.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	260.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	261.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	262.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	263.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	264.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	265.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	266.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	267.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	268.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	269.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	270.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	271.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	272.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	273.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	274.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	275.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	276.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	277.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	278.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	279.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	280.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	281.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	282.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	283.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	284.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	285.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	286.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	287.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	288.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	289.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	290.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	291.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	292.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	293.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	294.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	295.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	296.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	297.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	298.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	299.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	300.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	301.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	302.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	303.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	304.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	305.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	306.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	307.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	308.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	309.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	310.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	311.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	312.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	313.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	314.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	315.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	316.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	317.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	318.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	319.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	320.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	321.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	322.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	323.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	324.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	325.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	326.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	327.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	328.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	329.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	330.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	331.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	332.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	333.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	334.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	335.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	336.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	337.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	338.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	339.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	340.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	341.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	342.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	343.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	344.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	345.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	346.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	347.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	348.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	349.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	350.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	351.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	352.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	353.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	354.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	355.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	356.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	357.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	358.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	359.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	360.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	361.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	362.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	363.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	364.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	365.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	366.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	367.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	368.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	369.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	370.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	371.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	372.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	373.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	374.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	375.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	376.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	377.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	378.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	379.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	380.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	381.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	382.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	383.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	384.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	385.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	386.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	387.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	388.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	389.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	390.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	391.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	392.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	393.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	394.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	395.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	396.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	397.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	398.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	399.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	400.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	401.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	402.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	403.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	404.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	405.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	406.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	407.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	408.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	409.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	410.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	411.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	412.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	413.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	414.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	415.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	416.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	417.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	418.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	419.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	420.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	421.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	422.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	423.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	424.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	425.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	426.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	427.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	428.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	429.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	430.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	431.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	432.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	433.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	434.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	435.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	436.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	437.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	438.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	439.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	440.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	441.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	442.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	443.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	444.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	445.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	446.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	447.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	448.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	449.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	450.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	451.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	452.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	453.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	454.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	455.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	456.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	457.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	458.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	459.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	460.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	461.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	462.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	463.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	464.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	465.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	466.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	467.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	468.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	469.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	470.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	471.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	472.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	473.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	474.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	475.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	476.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	477.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	478.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	479.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	480.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	481.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	482.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	483.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	484.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	485.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	486.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	487.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	488.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	489.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	490.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	491.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	492.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	493.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	494.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	495.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	496.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	497.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	498.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	499.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	500.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	501.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	502.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	503.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	504.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	505.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	506.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	507.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	508.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	509.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	510.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	511.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	512.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	513.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	514.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	515.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	516.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	517.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	518.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	519.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	520.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	521.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	522.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	523.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	524.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	525.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	526.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	527.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	528.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	529.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	530.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	531.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	532.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	533.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	534.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	535.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	536.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	537.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	538.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	539.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	540.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	541.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	542.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	543.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	544.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	545.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	546.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	547.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	548.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	549.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	550.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	551.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	552.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	553.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	554.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	555.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	556.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	557.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	558.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	559.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	560.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	561.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	562.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	563.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	564.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	565.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	566.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	567.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	568.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	569.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	570.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	571.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	572.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	573.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	574.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	575.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	576.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	577.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	578.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	579.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	580.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	581.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	582.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	583.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	584.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	585.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	586.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	587.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	588.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	589.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	590.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	591.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	592.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	593.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	594.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	595.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	596.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	597.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	598.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	599.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	600.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	601.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	602.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	603.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	604.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	605.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	606.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	607.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	608.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	609.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	610.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	611.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	612.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	613.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	614.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	615.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	616.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	617.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	618.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	619.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	620.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	621.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	622.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	623.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	624.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	625.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	626.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	627.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	628.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	629.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	630.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	631.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	632.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	633.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	634.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	635.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	636.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	637.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	638.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	639.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	640.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	641.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	642.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	643.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	644.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	645.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	646.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	647.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	648.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	649.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	650.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	651.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	652.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	653.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	654.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	655.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	656.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	657.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	658.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	659.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	660.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	661.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	662.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	663.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	664.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	665.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	666.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	667.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	668.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	669.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	670.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	671.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

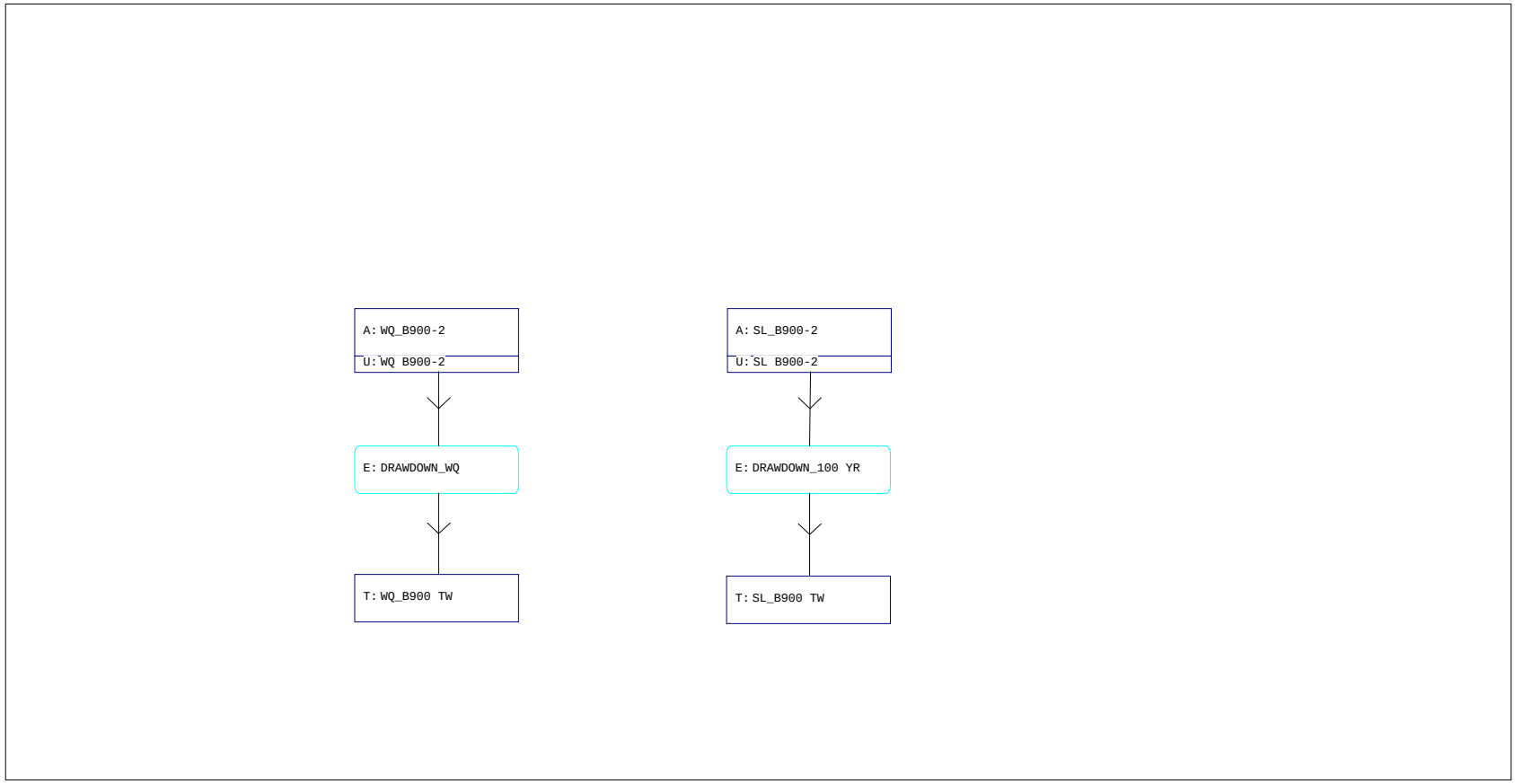
Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-1 WEST	PERC	672.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	673.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	674.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	675.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	676.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	677.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	678.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	679.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	680.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	681.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	682.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	683.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	684.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	685.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	686.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	687.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	688.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	689.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	690.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	691.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	692.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	693.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	694.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	695.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	696.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	697.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	698.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	699.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	700.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	701.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	702.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	703.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	704.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	705.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	706.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	707.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	708.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	709.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	710.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	711.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	712.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	713.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	714.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	715.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	716.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	717.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	718.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	719.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	720.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	721.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	722.00	84.500	89.000	38768	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B900-1 WEST	PERC	723.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	724.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	725.00	84.500	89.000	38768	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-1 WEST	PERC	725.01	84.500	89.000	38768	0.000	0.000	0.0	0.0

Nodes
A Stage/Area
V Stage/Volume
T Time/Stage
M Manhole

Basins
O Overland Flow
U SCS Unit CN
S SBUH CN
Y SCS Unit GA
Z SBUH GA

Links
P Pipe
W Weir
C Channel
D Drop Structure
B Bridge
R Rating Curve
H Breach
E Percolation
F Filter
X Exfil Trench



Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

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================================================================================
==== Basins ====================================================================
================================================================================

         Name: SL B900-2               Node: SL_B900-2             Status: Onsite
        Group: PERC                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 10.00
              Area(ac): 0.001                 Time Shift(hrs): 0.00
          Curve Number: 59.95             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: WQ B900-2               Node: WQ_B900-2             Status: Onsite
        Group: PERC                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 25 .0
          Rainfall File:                  Storm Duration(hrs):  .0
    Rainfall Amount(in): 0.000              Time of Conc( in):
              Area(ac): 0.001                 Time Shif rs): 0.00
          Curve Number: 59.95             Max Allowable Q fs) 999999.
               DCIA(%): 0.00


================================================================================
==== Nodes =====================================================================
================================================================================

      Name: SL_B900 TW          Base Flow(cfs): 0.000          nit  e(ft): 91.000
     Group: PERC                                              Warn S age(ft): 91.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00          91.000
         725.00          91.000

--------------------------------------------------------------------------------
      Name: SL_B900-2           Base  ow(cfs): 0.000          Init Stage(ft): 93.810
     Group: PERC                                              Warn Stage(ft): 94.000
      Type: Stage/Area

This is for Slug Load Cals

      Stage(ft)        Area(ac)
--------------- ---------------
         91.000          7.3300
         94.000          7.9600
         95.000          8.1800

--------------------------------------------------------------------------------
      Name: WQ_B900 TW          Base Flow(cfs): 0.000          Init Stage(ft): 91.000
     Group: PERC                                              Warn Stage(ft): 91.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00          91.000
         100.00          91.000

--------------------------------------------------------------------------------
      Name: WQ_B900-2           Base Flow(cfs): 0.000          Init Stage(ft): 91.080
     Group: PERC                                              Warn Stage(ft): 94.000
      Type: Stage/Area
```

Draft

This is for water quality Cals

Stage(ft)	Area(ac)
91.000	7.3300
94.000	7.9600
95.000	8.1800

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==== Percolation Links ====
==========

Name: DRAWDOWN_100 YR From Node: SL_B900-2 Flow: Both
Group: PERC To Node: SL_B900 TW Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 75.000 Perimeter 1(ft): 2424.000
Water Table Elev(ft): 85.000 Perimeter 2(ft): 2738.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 5566.000
Horiz Conductivity(ft/day): 12.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 12.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 6.000

P-1 = perimeter of Pond 900 at water quality elevation.
P-2 = perimeter of Pond 900 at 50' from water quality elevation.
P-3 = perimeter of Pond 900 at 500' from water quality elevation.
Layer thickness = Pond Bottom Ele. - Water Table Ele. = 91.00-85.00 = 6.00
Aquifer Base Ele. = 10' below WT
Vert/Horz Conductivity = 12 (Web Soil Survey, Arredondo Fine Sand, No 43), 6-20 in/hr (12-40 ft/day)

Name: DRAWDOWN_WQ From Node: WQ_B900-2 Flow: Both
Group: PERC To Node: WQ_B900 TW Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 75.000 Perimeter 1(ft): 2355.000
Water Table Elev(ft): 85.000 Perimeter 2(ft): 2669.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 5496.000
Horiz Conductivity(ft/day): 12.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 12.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 6.000

P-1 = perimeter of Pond 900 at water quality elevation.
P-2 = perimeter of Pond 900 at 50' from water quality elevation.
P-3 = perimeter of Pond 900 at 500' from water quality elevation.
Layer thickness = Pond Bottom Ele. - Water Table Ele. = 91.00-85.00 = 6.00
Aquifer Base Ele. = 10' below WT
Vert/Horz Conductivity = 12 (Web Soil Survey, Arredondo Fine Sand, No 43), 6-20 in/hr (12-40 ft/day)

==========
==== Hydrology Simulations ====
==========

Name: DRAWDOWN
Filename: C:\Users\Hamms\Desktop\US 98\ICPR Files\DRAWDOWN.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Fdot-24
Rainfall Amount(in): 0.01

Time(hrs)	Print Inc(min)
725.000	10.00

==========
==== Routing Simulations ====

Draft

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Name: DRAWDOWN Hydrology Sim:
Filename: C:\Users\Hamms\Desktop\US 98\ICPR Files\DRAWDOWN.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 725.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
725.000	60.000

Group	Run
PERC	Yes

Draft

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	0.00	93.810	94.000	345000	0.000	0.000	0.0	0.0
DRAWDOWN	SL_B900-2	PERC	1.01	93.308	94.000	340407	0.000	47.279	0.0	2.0
DRAWDOWN	SL_B900-2	PERC	2.01	92.808	94.000	335833	0.000	46.644	0.0	5.9
DRAWDOWN	SL_B900-2	PERC	3.01	92.324	94.000	331411	0.000	14.780	0.0	8.4
DRAWDOWN	SL_B900-2	PERC	4.02	92.249	94.000	330721	0.000	3.912	0.0	9.2
DRAWDOWN	SL_B900-2	PERC	5.02	92.214	94.000	330403	0.000	2.696	0.0	9.4
DRAWDOWN	SL_B900-2	PERC	6.02	92.188	94.000	330162	0.000	2.178	0.0	9.6
DRAWDOWN	SL_B900-2	PERC	7.02	92.166	94.000	329961	0.000	1.875	0.0	9.8
DRAWDOWN	SL_B900-2	PERC	8.02	92.147	94.000	329784	0.000	1.669	0.0	10.0
DRAWDOWN	SL_B900-2	PERC	9.02	92.129	94.000	329626	0.000	1.518	0.0	10.1
DRAWDOWN	SL_B900-2	PERC	10.02	92.113	94.000	329480	0.000	1.401	0.0	10.2
DRAWDOWN	SL_B900-2	PERC	11.02	92.099	94.000	329345	0.000	1.307	0.0	10.3
DRAWDOWN	SL_B900-2	PERC	12.02	92.085	94.000	329218	0.000	1.230	0.0	10.4
DRAWDOWN	SL_B900-2	PERC	13.02	92.072	94.000	329098	0.000	1.164	0.0	10.5
DRAWDOWN	SL_B900-2	PERC	14.02	92.059	94.000	328985	0.000	1.108	0.0	10.6
DRAWDOWN	SL_B900-2	PERC	15.02	92.047	94.000	328876	0.000	1.059	0.0	10.7
DRAWDOWN	SL_B900-2	PERC	16.02	92.036	94.000	328772	0.000	1.015	0.0	10.8
DRAWDOWN	SL_B900-2	PERC	17.02	92.025	94.000	328673	0.000	0.977	0.0	10.9
DRAWDOWN	SL_B900-2	PERC	18.02	92.015	94.000	328576	0.000	0.942	0.0	11.0
DRAWDOWN	SL_B900-2	PERC	19.02	92.005	94.000	328484	0.000	0.911	0.0	11.0
DRAWDOWN	SL_B900-2	PERC	20.02	91.995	94.000	328394	0.000	0.882	0.0	11.1
DRAWDOWN	SL_B900-2	PERC	21.02	91.985	94.000	328307	0.000	0.856	0.0	11.2
DRAWDOWN	SL_B900-2	PERC	22.02	91.976	94.000	328222	0.000	0.832	0.0	11.2
DRAWDOWN	SL_B900-2	PERC	23.02	91.967	94.000	328139	0.000	0.810	0.0	11.3
DRAWDOWN	SL_B900-2	PERC	24.02	91.958	94.000	328059	0.000	0.789	0.0	11.4
DRAWDOWN	SL_B900-2	PERC	25.02	91.950	94.000	327981	0.000	0.770	0.0	11.4
DRAWDOWN	SL_B900-2	PERC	26.02	91.941	94.000	327904	0.000	0.752	0.0	11.5
DRAWDOWN	SL_B900-2	PERC	27.02	91.933	94.000	327830	0.000	0.736	0.0	11.6
DRAWDOWN	SL_B900-2	PERC	28.02	91.925	94.000	327757	0.000	0.720	0.0	11.6
DRAWDOWN	SL_B900-2	PERC	29.02	91.917	94.000	327685	0.000	0.705	0.0	11.7
DRAWDOWN	SL_B900-2	PERC	30.02	91.910	94.000	327615	0.000	0.691	0.0	11.7
DRAWDOWN	SL_B900-2	PERC	31.02	91.902	94.000	327546	0.000	0.677	0.0	11.8
DRAWDOWN	SL_B900-2	PERC	32.02	91.895	94.000	327479	0.000	0.665	0.0	11.9
DRAWDOWN	SL_B900-2	PERC	33.02	91.887	94.000	327412	0.000	0.652	0.0	11.9
DRAWDOWN	SL_B900-2	PERC	34.02	91.880	94.000	327347	0.000	0.641	0.0	12.0
DRAWDOWN	SL_B900-2	PERC	35.02	91.873	94.000	327284	0.000	0.630	0.0	12.0
DRAWDOWN	SL_B900-2	PERC	36.02	91.866	94.000	327221	0.000	0.619	0.0	12.1
DRAWDOWN	SL_B900-2	PERC	37.02	91.860	94.000	327159	0.000	0.609	0.0	12.1
DRAWDOWN	SL_B900-2	PERC	38.02	91.853	94.000	327098	0.000	0.599	0.0	12.2
DRAWDOWN	SL_B900-2	PERC	39.02	91.846	94.000	327038	0.000	0.590	0.0	12.2
DRAWDOWN	SL_B900-2	PERC	40.02	91.840	94.000	326979	0.000	0.581	0.0	12.3
DRAWDOWN	SL_B900-2	PERC	41.02	91.834	94.000	326921	0.000	0.573	0.0	12.3
DRAWDOWN	SL_B900-2	PERC	42.02	91.827	94.000	326864	0.000	0.564	0.0	12.4
DRAWDOWN	SL_B900-2	PERC	43.02	91.821	94.000	326807	0.000	0.556	0.0	12.4
DRAWDOWN	SL_B900-2	PERC	44.02	91.815	94.000	326752	0.000	0.548	0.0	12.5
DRAWDOWN	SL_B900-2	PERC	45.02	91.809	94.000	326697	0.000	0.541	0.0	12.5
DRAWDOWN	SL_B900-2	PERC	46.02	91.803	94.000	326643	0.000	0.534	0.0	12.5
DRAWDOWN	SL_B900-2	PERC	47.02	91.797	94.000	326589	0.000	0.526	0.0	12.6
DRAWDOWN	SL_B900-2	PERC	48.02	91.792	94.000	326536	0.000	0.520	0.0	12.6
DRAWDOWN	SL_B900-2	PERC	49.02	91.786	94.000	326484	0.000	0.513	0.0	12.7
DRAWDOWN	SL_B900-2	PERC	50.02	91.780	94.000	326433	0.000	0.507	0.0	12.7

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	51.02	91.775	94.000	326382	0.000	0.500	0.0	12.8
DRAWDOWN	SL_B900-2	PERC	52.02	91.769	94.000	326332	0.000	0.494	0.0	12.8
DRAWDOWN	SL_B900-2	PERC	53.02	91.764	94.000	326282	0.000	0.488	0.0	12.8
DRAWDOWN	SL_B900-2	PERC	54.02	91.759	94.000	326233	0.000	0.483	0.0	12.9
DRAWDOWN	SL_B900-2	PERC	55.02	91.753	94.000	326185	0.000	0.477	0.0	12.9
DRAWDOWN	SL_B900-2	PERC	56.02	91.748	94.000	326137	0.000	0.471	0.0	13.0
DRAWDOWN	SL_B900-2	PERC	57.02	91.743	94.000	326090	0.000	0.466	0.0	13.0
DRAWDOWN	SL_B900-2	PERC	58.02	91.738	94.000	326043	0.000	0.461	0.0	13.0
DRAWDOWN	SL_B900-2	PERC	59.02	91.733	94.000	325997	0.000	0.456	0.0	13.1
DRAWDOWN	SL_B900-2	PERC	60.02	91.728	94.000	325951	0.000	0.451	0.0	13.1
DRAWDOWN	SL_B900-2	PERC	61.02	91.723	94.000	325905	0.000	0.446	0.0	13.1
DRAWDOWN	SL_B900-2	PERC	62.02	91.718	94.000	325861	0.000	0.441	0.0	13.2
DRAWDOWN	SL_B900-2	PERC	63.02	91.713	94.000	325816	0.000	0.437	0.0	13.2
DRAWDOWN	SL_B900-2	PERC	64.02	91.708	94.000	325772	0.000	0.432	0.0	13.3
DRAWDOWN	SL_B900-2	PERC	65.02	91.703	94.000	325729	0.000	0.428	0.0	13.3
DRAWDOWN	SL_B900-2	PERC	66.02	91.699	94.000	325686	0.000	0.424	0.0	13.3
DRAWDOWN	SL_B900-2	PERC	67.02	91.694	94.000	325643	0.000	0.420	0.0	13.4
DRAWDOWN	SL_B900-2	PERC	68.02	91.689	94.000	325601	0.000	0.415	0.0	13.4
DRAWDOWN	SL_B900-2	PERC	69.02	91.685	94.000	325559	0.000	0.411	0.0	13.4
DRAWDOWN	SL_B900-2	PERC	70.02	91.680	94.000	325518	0.000	0.408	0.0	13.5
DRAWDOWN	SL_B900-2	PERC	71.02	91.676	94.000	325477	0.000	0.404	0.0	13.5
DRAWDOWN	SL_B900-2	PERC	72.02	91.671	94.000	325436	0.000	0.400	0.0	13.5
DRAWDOWN	SL_B900-2	PERC	73.02	91.667	94.000	325396	0.000	0.396	0.0	13.6
DRAWDOWN	SL_B900-2	PERC	74.02	91.663	94.000	325356	0.000	0.393	0.0	13.6
DRAWDOWN	SL_B900-2	PERC	75.02	91.658	94.000	325316	0.000	0.389	0.0	13.6
DRAWDOWN	SL_B900-2	PERC	76.02	91.654	94.000	325277	0.000	0.386	0.0	13.7
DRAWDOWN	SL_B900-2	PERC	77.02	91.650	94.000	325238	0.000	0.382	0.0	13.7
DRAWDOWN	SL_B900-2	PERC	78.02	91.645	94.000	325200	0.000	0.379	0.0	13.7
DRAWDOWN	SL_B900-2	PERC	79.02	91.641	94.000	325161	0.000	0.376	0.0	13.8
DRAWDOWN	SL_B900-2	PERC	80.02	91.637	94.000	325123	0.000	0.372	0.0	13.8
DRAWDOWN	SL_B900-2	PERC	81.02	91.633	94.000	325086	0.000	0.369	0.0	13.8
DRAWDOWN	SL_B900-2	PERC	82.02	91.629	94.000	325049	0.000	0.366	0.0	13.8
DRAWDOWN	SL_B900-2	PERC	83.02	91.625	94.000	325012	0.000	0.363	0.0	13.9
DRAWDOWN	SL_B900-2	PERC	84.02	91.621	94.000	324975	0.000	0.360	0.0	13.9
DRAWDOWN	SL_B900-2	PERC	85.02	91.617	94.000	324939	0.000	0.357	0.0	13.9
DRAWDOWN	SL_B900-2	PERC	86.02	91.613	94.000	324903	0.000	0.355	0.0	14.0
DRAWDOWN	SL_B900-2	PERC	87.02	91.609	94.000	324867	0.000	0.352	0.0	14.0
DRAWDOWN	SL_B900-2	PERC	88.02	91.605	94.000	324831	0.000	0.349	0.0	14.0
DRAWDOWN	SL_B900-2	PERC	89.02	91.601	94.000	324796	0.000	0.346	0.0	14.1
DRAWDOWN	SL_B900-2	PERC	90.02	91.598	94.000	324761	0.000	0.344	0.0	14.1
DRAWDOWN	SL_B900-2	PERC	91.02	91.594	94.000	324726	0.000	0.341	0.0	14.1
DRAWDOWN	SL_B900-2	PERC	92.02	91.590	94.000	324692	0.000	0.339	0.0	14.1
DRAWDOWN	SL_B900-2	PERC	93.02	91.586	94.000	324658	0.000	0.336	0.0	14.2
DRAWDOWN	SL_B900-2	PERC	94.02	91.583	94.000	324624	0.000	0.334	0.0	14.2
DRAWDOWN	SL_B900-2	PERC	95.02	91.579	94.000	324590	0.000	0.331	0.0	14.2
DRAWDOWN	SL_B900-2	PERC	96.02	91.575	94.000	324556	0.000	0.329	0.0	14.2
DRAWDOWN	SL_B900-2	PERC	97.02	91.572	94.000	324523	0.000	0.326	0.0	14.3
DRAWDOWN	SL_B900-2	PERC	98.02	91.568	94.000	324490	0.000	0.324	0.0	14.3
DRAWDOWN	SL_B900-2	PERC	99.02	91.564	94.000	324457	0.000	0.322	0.0	14.3
DRAWDOWN	SL_B900-2	PERC	100.02	91.561	94.000	324425	0.000	0.320	0.0	14.4
DRAWDOWN	SL_B900-2	PERC	101.02	91.557	94.000	324393	0.000	0.317	0.0	14.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	102.02	91.554	94.000	324360	0.000	0.315	0.0	14.4
DRAWDOWN	SL_B900-2	PERC	103.02	91.550	94.000	324329	0.000	0.313	0.0	14.4
DRAWDOWN	SL_B900-2	PERC	104.02	91.547	94.000	324297	0.000	0.311	0.0	14.5
DRAWDOWN	SL_B900-2	PERC	105.02	91.543	94.000	324265	0.000	0.309	0.0	14.5
DRAWDOWN	SL_B900-2	PERC	106.02	91.540	94.000	324234	0.000	0.307	0.0	14.5
DRAWDOWN	SL_B900-2	PERC	107.02	91.537	94.000	324203	0.000	0.305	0.0	14.5
DRAWDOWN	SL_B900-2	PERC	108.02	91.533	94.000	324172	0.000	0.303	0.0	14.6
DRAWDOWN	SL_B900-2	PERC	109.02	91.530	94.000	324142	0.000	0.301	0.0	14.6
DRAWDOWN	SL_B900-2	PERC	110.02	91.527	94.000	324111	0.000	0.299	0.0	14.6
DRAWDOWN	SL_B900-2	PERC	111.02	91.523	94.000	324081	0.000	0.297	0.0	14.6
DRAWDOWN	SL_B900-2	PERC	112.02	91.520	94.000	324051	0.000	0.295	0.0	14.7
DRAWDOWN	SL_B900-2	PERC	113.02	91.517	94.000	324021	0.000	0.294	0.0	14.7
DRAWDOWN	SL_B900-2	PERC	114.02	91.513	94.000	323991	0.000	0.292	0.0	14.7
DRAWDOWN	SL_B900-2	PERC	115.02	91.510	94.000	323961	0.000	0.290	0.0	14.7
DRAWDOWN	SL_B900-2	PERC	116.02	91.507	94.000	323932	0.000	0.288	0.0	14.8
DRAWDOWN	SL_B900-2	PERC	117.02	91.504	94.000	323903	0.000	0.286	0.0	14.8
DRAWDOWN	SL_B900-2	PERC	118.02	91.501	94.000	323874	0.000	0.285	0.0	14.8
DRAWDOWN	SL_B900-2	PERC	119.02	91.497	94.000	323845	0.000	0.283	0.0	14.8
DRAWDOWN	SL_B900-2	PERC	120.02	91.494	94.000	323816	0.000	0.281	0.0	14.9
DRAWDOWN	SL_B900-2	PERC	121.02	91.491	94.000	323788	0.000	0.280	0.0	14.9
DRAWDOWN	SL_B900-2	PERC	122.02	91.488	94.000	323759	0.000	0.278	0.0	14.9
DRAWDOWN	SL_B900-2	PERC	123.02	91.485	94.000	323731	0.000	0.277	0.0	14.9
DRAWDOWN	SL_B900-2	PERC	124.02	91.482	94.000	323703	0.000	0.275	0.0	14.9
DRAWDOWN	SL_B900-2	PERC	125.02	91.479	94.000	323675	0.000	0.274	0.0	15.0
DRAWDOWN	SL_B900-2	PERC	126.02	91.476	94.000	323647	0.000	0.272	0.0	15.0
DRAWDOWN	SL_B900-2	PERC	127.02	91.473	94.000	323620	0.000	0.271	0.0	15.0
DRAWDOWN	SL_B900-2	PERC	128.02	91.470	94.000	323592	0.000	0.269	0.0	15.0
DRAWDOWN	SL_B900-2	PERC	129.02	91.467	94.000	323565	0.000	0.268	0.0	15.1
DRAWDOWN	SL_B900-2	PERC	130.02	91.464	94.000	323538	0.000	0.266	0.0	15.1
DRAWDOWN	SL_B900-2	PERC	131.02	91.461	94.000	323511	0.000	0.265	0.0	15.1
DRAWDOWN	SL_B900-2	PERC	132.02	91.458	94.000	323484	0.000	0.263	0.0	15.1
DRAWDOWN	SL_B900-2	PERC	133.02	91.455	94.000	323457	0.000	0.262	0.0	15.1
DRAWDOWN	SL_B900-2	PERC	134.02	91.452	94.000	323431	0.000	0.261	0.0	15.2
DRAWDOWN	SL_B900-2	PERC	135.02	91.449	94.000	323404	0.000	0.259	0.0	15.2
DRAWDOWN	SL_B900-2	PERC	136.02	91.446	94.000	323378	0.000	0.258	0.0	15.2
DRAWDOWN	SL_B900-2	PERC	137.02	91.443	94.000	323351	0.000	0.257	0.0	15.2
DRAWDOWN	SL_B900-2	PERC	138.02	91.441	94.000	323325	0.000	0.255	0.0	15.2
DRAWDOWN	SL_B900-2	PERC	139.02	91.438	94.000	323299	0.000	0.254	0.0	15.3
DRAWDOWN	SL_B900-2	PERC	140.02	91.435	94.000	323274	0.000	0.253	0.0	15.3
DRAWDOWN	SL_B900-2	PERC	141.02	91.432	94.000	323248	0.000	0.252	0.0	15.3
DRAWDOWN	SL_B900-2	PERC	142.02	91.429	94.000	323222	0.000	0.250	0.0	15.3
DRAWDOWN	SL_B900-2	PERC	143.02	91.427	94.000	323197	0.000	0.249	0.0	15.4
DRAWDOWN	SL_B900-2	PERC	144.02	91.424	94.000	323172	0.000	0.248	0.0	15.4
DRAWDOWN	SL_B900-2	PERC	145.02	91.421	94.000	323146	0.000	0.247	0.0	15.4
DRAWDOWN	SL_B900-2	PERC	146.02	91.418	94.000	323121	0.000	0.246	0.0	15.4
DRAWDOWN	SL_B900-2	PERC	147.02	91.416	94.000	323096	0.000	0.244	0.0	15.4
DRAWDOWN	SL_B900-2	PERC	148.02	91.413	94.000	323071	0.000	0.243	0.0	15.5
DRAWDOWN	SL_B900-2	PERC	149.02	91.410	94.000	323047	0.000	0.242	0.0	15.5
DRAWDOWN	SL_B900-2	PERC	150.02	91.407	94.000	323022	0.000	0.241	0.0	15.5
DRAWDOWN	SL_B900-2	PERC	151.02	91.405	94.000	322998	0.000	0.240	0.0	15.5
DRAWDOWN	SL_B900-2	PERC	152.02	91.402	94.000	322973	0.000	0.239	0.0	15.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	153.02	91.399	94.000	322949	0.000	0.238	0.0	15.6
DRAWDOWN	SL_B900-2	PERC	154.02	91.397	94.000	322925	0.000	0.237	0.0	15.6
DRAWDOWN	SL_B900-2	PERC	155.02	91.394	94.000	322901	0.000	0.236	0.0	15.6
DRAWDOWN	SL_B900-2	PERC	156.02	91.392	94.000	322877	0.000	0.235	0.0	15.6
DRAWDOWN	SL_B900-2	PERC	157.02	91.389	94.000	322853	0.000	0.234	0.0	15.6
DRAWDOWN	SL_B900-2	PERC	158.02	91.386	94.000	322829	0.000	0.233	0.0	15.7
DRAWDOWN	SL_B900-2	PERC	159.02	91.384	94.000	322805	0.000	0.232	0.0	15.7
DRAWDOWN	SL_B900-2	PERC	160.02	91.381	94.000	322782	0.000	0.231	0.0	15.7
DRAWDOWN	SL_B900-2	PERC	161.02	91.379	94.000	322758	0.000	0.230	0.0	15.7
DRAWDOWN	SL_B900-2	PERC	162.02	91.376	94.000	322735	0.000	0.229	0.0	15.7
DRAWDOWN	SL_B900-2	PERC	163.02	91.374	94.000	322712	0.000	0.228	0.0	15.7
DRAWDOWN	SL_B900-2	PERC	164.02	91.371	94.000	322688	0.000	0.227	0.0	15.8
DRAWDOWN	SL_B900-2	PERC	165.02	91.368	94.000	322665	0.000	0.226	0.0	15.8
DRAWDOWN	SL_B900-2	PERC	166.02	91.366	94.000	322642	0.000	0.225	0.0	15.8
DRAWDOWN	SL_B900-2	PERC	167.02	91.363	94.000	322619	0.000	0.224	0.0	15.8
DRAWDOWN	SL_B900-2	PERC	168.02	91.361	94.000	322597	0.000	0.223	0.0	15.8
DRAWDOWN	SL_B900-2	PERC	169.02	91.358	94.000	322574	0.000	0.222	0.0	15.9
DRAWDOWN	SL_B900-2	PERC	170.02	91.356	94.000	322551	0.000	0.221	0.0	15.9
DRAWDOWN	SL_B900-2	PERC	171.02	91.354	94.000	322529	0.000	0.220	0.0	15.9
DRAWDOWN	SL_B900-2	PERC	172.02	91.351	94.000	322506	0.000	0.219	0.0	15.9
DRAWDOWN	SL_B900-2	PERC	173.02	91.349	94.000	322484	0.000	0.219	0.0	15.9
DRAWDOWN	SL_B900-2	PERC	174.02	91.346	94.000	322462	0.000	0.218	0.0	15.9
DRAWDOWN	SL_B900-2	PERC	175.02	91.344	94.000	322440	0.000	0.217	0.0	16.0
DRAWDOWN	SL_B900-2	PERC	176.02	91.341	94.000	322417	0.000	0.216	0.0	16.0
DRAWDOWN	SL_B900-2	PERC	177.02	91.339	94.000	322395	0.000	0.215	0.0	16.0
DRAWDOWN	SL_B900-2	PERC	178.02	91.337	94.000	322373	0.000	0.214	0.0	16.0
DRAWDOWN	SL_B900-2	PERC	179.02	91.334	94.000	322352	0.000	0.213	0.0	16.0
DRAWDOWN	SL_B900-2	PERC	180.02	91.332	94.000	322330	0.000	0.213	0.0	16.1
DRAWDOWN	SL_B900-2	PERC	181.02	91.329	94.000	322308	0.000	0.212	0.0	16.1
DRAWDOWN	SL_B900-2	PERC	182.02	91.327	94.000	322287	0.000	0.211	0.0	16.1
DRAWDOWN	SL_B900-2	PERC	183.02	91.325	94.000	322265	0.000	0.210	0.0	16.1
DRAWDOWN	SL_B900-2	PERC	184.02	91.322	94.000	322244	0.000	0.210	0.0	16.1
DRAWDOWN	SL_B900-2	PERC	185.02	91.320	94.000	322222	0.000	0.209	0.0	16.1
DRAWDOWN	SL_B900-2	PERC	186.02	91.318	94.000	322201	0.000	0.208	0.0	16.2
DRAWDOWN	SL_B900-2	PERC	187.02	91.315	94.000	322180	0.000	0.207	0.0	16.2
DRAWDOWN	SL_B900-2	PERC	188.02	91.313	94.000	322159	0.000	0.206	0.0	16.2
DRAWDOWN	SL_B900-2	PERC	189.02	91.311	94.000	322137	0.000	0.206	0.0	16.2
DRAWDOWN	SL_B900-2	PERC	190.02	91.308	94.000	322116	0.000	0.205	0.0	16.2
DRAWDOWN	SL_B900-2	PERC	191.02	91.306	94.000	322096	0.000	0.204	0.0	16.2
DRAWDOWN	SL_B900-2	PERC	192.02	91.304	94.000	322075	0.000	0.204	0.0	16.3
DRAWDOWN	SL_B900-2	PERC	193.02	91.302	94.000	322054	0.000	0.203	0.0	16.3
DRAWDOWN	SL_B900-2	PERC	194.02	91.299	94.000	322033	0.000	0.202	0.0	16.3
DRAWDOWN	SL_B900-2	PERC	195.02	91.297	94.000	322013	0.000	0.201	0.0	16.3
DRAWDOWN	SL_B900-2	PERC	196.02	91.295	94.000	321992	0.000	0.201	0.0	16.3
DRAWDOWN	SL_B900-2	PERC	197.02	91.293	94.000	321972	0.000	0.200	0.0	16.3
DRAWDOWN	SL_B900-2	PERC	198.02	91.290	94.000	321951	0.000	0.199	0.0	16.4
DRAWDOWN	SL_B900-2	PERC	199.02	91.288	94.000	321931	0.000	0.199	0.0	16.4
DRAWDOWN	SL_B900-2	PERC	200.02	91.286	94.000	321910	0.000	0.198	0.0	16.4
DRAWDOWN	SL_B900-2	PERC	201.02	91.284	94.000	321890	0.000	0.197	0.0	16.4
DRAWDOWN	SL_B900-2	PERC	202.02	91.282	94.000	321870	0.000	0.197	0.0	16.4
DRAWDOWN	SL_B900-2	PERC	203.02	91.279	94.000	321850	0.000	0.196	0.0	16.4

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	204.02	91.277	94.000	321830	0.000	0.195	0.0	16.5
DRAWDOWN	SL_B900-2	PERC	205.02	91.275	94.000	321810	0.000	0.195	0.0	16.5
DRAWDOWN	SL_B900-2	PERC	206.02	91.273	94.000	321790	0.000	0.194	0.0	16.5
DRAWDOWN	SL_B900-2	PERC	207.02	91.271	94.000	321770	0.000	0.193	0.0	16.5
DRAWDOWN	SL_B900-2	PERC	208.02	91.268	94.000	321751	0.000	0.193	0.0	16.5
DRAWDOWN	SL_B900-2	PERC	209.02	91.266	94.000	321731	0.000	0.192	0.0	16.5
DRAWDOWN	SL_B900-2	PERC	210.02	91.264	94.000	321711	0.000	0.192	0.0	16.6
DRAWDOWN	SL_B900-2	PERC	211.02	91.262	94.000	321692	0.000	0.191	0.0	16.6
DRAWDOWN	SL_B900-2	PERC	212.02	91.260	94.000	321672	0.000	0.190	0.0	16.6
DRAWDOWN	SL_B900-2	PERC	213.02	91.258	94.000	321653	0.000	0.190	0.0	16.6
DRAWDOWN	SL_B900-2	PERC	214.02	91.256	94.000	321633	0.000	0.189	0.0	16.6
DRAWDOWN	SL_B900-2	PERC	215.02	91.254	94.000	321614	0.000	0.189	0.0	16.6
DRAWDOWN	SL_B900-2	PERC	216.02	91.251	94.000	321595	0.000	0.188	0.0	16.6
DRAWDOWN	SL_B900-2	PERC	217.02	91.249	94.000	321575	0.000	0.187	0.0	16.7
DRAWDOWN	SL_B900-2	PERC	218.02	91.247	94.000	321556	0.000	0.187	0.0	16.7
DRAWDOWN	SL_B900-2	PERC	219.02	91.245	94.000	321537	0.000	0.186	0.0	16.7
DRAWDOWN	SL_B900-2	PERC	220.02	91.243	94.000	321518	0.000	0.186	0.0	16.7
DRAWDOWN	SL_B900-2	PERC	221.02	91.241	94.000	321499	0.000	0.185	0.0	16.7
DRAWDOWN	SL_B900-2	PERC	222.02	91.239	94.000	321480	0.000	0.185	0.0	16.7
DRAWDOWN	SL_B900-2	PERC	223.02	91.237	94.000	321461	0.000	0.184	0.0	16.8
DRAWDOWN	SL_B900-2	PERC	224.02	91.235	94.000	321442	0.000	0.184	0.0	16.8
DRAWDOWN	SL_B900-2	PERC	225.02	91.233	94.000	321424	0.000	0.183	0.0	16.8
DRAWDOWN	SL_B900-2	PERC	226.02	91.231	94.000	321405	0.000	0.182	0.0	16.8
DRAWDOWN	SL_B900-2	PERC	227.02	91.229	94.000	321386	0.000	0.182	0.0	16.8
DRAWDOWN	SL_B900-2	PERC	228.02	91.227	94.000	321368	0.000	0.181	0.0	16.8
DRAWDOWN	SL_B900-2	PERC	229.02	91.225	94.000	321349	0.000	0.181	0.0	16.8
DRAWDOWN	SL_B900-2	PERC	230.02	91.223	94.000	321330	0.000	0.180	0.0	16.9
DRAWDOWN	SL_B900-2	PERC	231.02	91.221	94.000	321312	0.000	0.180	0.0	16.9
DRAWDOWN	SL_B900-2	PERC	232.02	91.219	94.000	321294	0.000	0.179	0.0	16.9
DRAWDOWN	SL_B900-2	PERC	233.02	91.216	94.000	321275	0.000	0.179	0.0	16.9
DRAWDOWN	SL_B900-2	PERC	234.02	91.214	94.000	321257	0.000	0.178	0.0	16.9
DRAWDOWN	SL_B900-2	PERC	235.02	91.213	94.000	321239	0.000	0.178	0.0	16.9
DRAWDOWN	SL_B900-2	PERC	236.02	91.211	94.000	321220	0.000	0.177	0.0	17.0
DRAWDOWN	SL_B900-2	PERC	237.02	91.209	94.000	321202	0.000	0.177	0.0	17.0
DRAWDOWN	SL_B900-2	PERC	238.02	91.207	94.000	321184	0.000	0.176	0.0	17.0
DRAWDOWN	SL_B900-2	PERC	239.02	91.205	94.000	321166	0.000	0.176	0.0	17.0
DRAWDOWN	SL_B900-2	PERC	240.02	91.203	94.000	321148	0.000	0.175	0.0	17.0
DRAWDOWN	SL_B900-2	PERC	241.02	91.201	94.000	321130	0.000	0.175	0.0	17.0
DRAWDOWN	SL_B900-2	PERC	242.02	91.199	94.000	321112	0.000	0.174	0.0	17.0
DRAWDOWN	SL_B900-2	PERC	243.02	91.197	94.000	321094	0.000	0.174	0.0	17.1
DRAWDOWN	SL_B900-2	PERC	244.02	91.195	94.000	321077	0.000	0.173	0.0	17.1
DRAWDOWN	SL_B900-2	PERC	245.02	91.193	94.000	321059	0.000	0.173	0.0	17.1
DRAWDOWN	SL_B900-2	PERC	246.02	91.191	94.000	321041	0.000	0.173	0.0	17.1
DRAWDOWN	SL_B900-2	PERC	247.02	91.189	94.000	321023	0.000	0.172	0.0	17.1
DRAWDOWN	SL_B900-2	PERC	248.02	91.187	94.000	321006	0.000	0.172	0.0	17.1
DRAWDOWN	SL_B900-2	PERC	249.02	91.185	94.000	320988	0.000	0.171	0.0	17.1
DRAWDOWN	SL_B900-2	PERC	250.02	91.183	94.000	320971	0.000	0.171	0.0	17.2
DRAWDOWN	SL_B900-2	PERC	251.02	91.181	94.000	320953	0.000	0.170	0.0	17.2
DRAWDOWN	SL_B900-2	PERC	252.02	91.179	94.000	320936	0.000	0.170	0.0	17.2
DRAWDOWN	SL_B900-2	PERC	253.02	91.177	94.000	320918	0.000	0.169	0.0	17.2
DRAWDOWN	SL_B900-2	PERC	254.02	91.176	94.000	320901	0.000	0.169	0.0	17.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	255.02	91.174	94.000	320884	0.000	0.168	0.0	17.2
DRAWDOWN	SL_B900-2	PERC	256.02	91.172	94.000	320866	0.000	0.168	0.0	17.2
DRAWDOWN	SL_B900-2	PERC	257.02	91.170	94.000	320849	0.000	0.168	0.0	17.3
DRAWDOWN	SL_B900-2	PERC	258.02	91.168	94.000	320832	0.000	0.167	0.0	17.3
DRAWDOWN	SL_B900-2	PERC	259.02	91.166	94.000	320815	0.000	0.167	0.0	17.3
DRAWDOWN	SL_B900-2	PERC	260.02	91.164	94.000	320798	0.000	0.166	0.0	17.3
DRAWDOWN	SL_B900-2	PERC	261.02	91.162	94.000	320781	0.000	0.166	0.0	17.3
DRAWDOWN	SL_B900-2	PERC	262.02	91.161	94.000	320764	0.000	0.166	0.0	17.3
DRAWDOWN	SL_B900-2	PERC	263.02	91.159	94.000	320747	0.000	0.165	0.0	17.3
DRAWDOWN	SL_B900-2	PERC	264.02	91.157	94.000	320730	0.000	0.165	0.0	17.3
DRAWDOWN	SL_B900-2	PERC	265.02	91.155	94.000	320713	0.000	0.164	0.0	17.4
DRAWDOWN	SL_B900-2	PERC	266.02	91.153	94.000	320696	0.000	0.164	0.0	17.4
DRAWDOWN	SL_B900-2	PERC	267.02	91.151	94.000	320679	0.000	0.163	0.0	17.4
DRAWDOWN	SL_B900-2	PERC	268.02	91.150	94.000	320663	0.000	0.163	0.0	17.4
DRAWDOWN	SL_B900-2	PERC	269.02	91.148	94.000	320646	0.000	0.163	0.0	17.4
DRAWDOWN	SL_B900-2	PERC	270.02	91.146	94.000	320629	0.000	0.162	0.0	17.4
DRAWDOWN	SL_B900-2	PERC	271.02	91.144	94.000	320612	0.000	0.162	0.0	17.4
DRAWDOWN	SL_B900-2	PERC	272.02	91.142	94.000	320596	0.000	0.162	0.0	17.5
DRAWDOWN	SL_B900-2	PERC	273.02	91.140	94.000	320579	0.000	0.161	0.0	17.5
DRAWDOWN	SL_B900-2	PERC	274.02	91.139	94.000	320563	0.000	0.161	0.0	17.5
DRAWDOWN	SL_B900-2	PERC	275.02	91.137	94.000	320546	0.000	0.160	0.0	17.5
DRAWDOWN	SL_B900-2	PERC	276.02	91.135	94.000	320530	0.000	0.160	0.0	17.5
DRAWDOWN	SL_B900-2	PERC	277.02	91.133	94.000	320513	0.000	0.160	0.0	17.5
DRAWDOWN	SL_B900-2	PERC	278.02	91.131	94.000	320497	0.000	0.159	0.0	17.5
DRAWDOWN	SL_B900-2	PERC	279.02	91.130	94.000	320481	0.000	0.159	0.0	17.5
DRAWDOWN	SL_B900-2	PERC	280.02	91.128	94.000	320464	0.000	0.159	0.0	17.6
DRAWDOWN	SL_B900-2	PERC	281.02	91.126	94.000	320448	0.000	0.158	0.0	17.6
DRAWDOWN	SL_B900-2	PERC	282.02	91.124	94.000	320432	0.000	0.158	0.0	17.6
DRAWDOWN	SL_B900-2	PERC	283.02	91.123	94.000	320416	0.000	0.157	0.0	17.6
DRAWDOWN	SL_B900-2	PERC	284.02	91.121	94.000	320399	0.000	0.157	0.0	17.6
DRAWDOWN	SL_B900-2	PERC	285.02	91.119	94.000	320383	0.000	0.157	0.0	17.6
DRAWDOWN	SL_B900-2	PERC	286.02	91.117	94.000	320367	0.000	0.156	0.0	17.6
DRAWDOWN	SL_B900-2	PERC	287.02	91.115	94.000	320351	0.000	0.156	0.0	17.7
DRAWDOWN	SL_B900-2	PERC	288.02	91.114	94.000	320335	0.000	0.156	0.0	17.7
DRAWDOWN	SL_B900-2	PERC	289.02	91.112	94.000	320319	0.000	0.155	0.0	17.7
DRAWDOWN	SL_B900-2	PERC	290.02	91.110	94.000	320303	0.000	0.155	0.0	17.7
DRAWDOWN	SL_B900-2	PERC	291.02	91.109	94.000	320287	0.000	0.155	0.0	17.7
DRAWDOWN	SL_B900-2	PERC	292.02	91.107	94.000	320271	0.000	0.154	0.0	17.7
DRAWDOWN	SL_B900-2	PERC	293.02	91.105	94.000	320256	0.000	0.154	0.0	17.7
DRAWDOWN	SL_B900-2	PERC	294.02	91.103	94.000	320240	0.000	0.154	0.0	17.7
DRAWDOWN	SL_B900-2	PERC	295.02	91.102	94.000	320224	0.000	0.153	0.0	17.8
DRAWDOWN	SL_B900-2	PERC	296.02	91.100	94.000	320208	0.000	0.153	0.0	17.8
DRAWDOWN	SL_B900-2	PERC	297.02	91.098	94.000	320193	0.000	0.153	0.0	17.8
DRAWDOWN	SL_B900-2	PERC	298.02	91.096	94.000	320177	0.000	0.152	0.0	17.8
DRAWDOWN	SL_B900-2	PERC	299.02	91.095	94.000	320161	0.000	0.152	0.0	17.8
DRAWDOWN	SL_B900-2	PERC	300.02	91.093	94.000	320146	0.000	0.152	0.0	17.8
DRAWDOWN	SL_B900-2	PERC	301.02	91.091	94.000	320130	0.000	0.151	0.0	17.8
DRAWDOWN	SL_B900-2	PERC	302.02	91.090	94.000	320115	0.000	0.151	0.0	17.8
DRAWDOWN	SL_B900-2	PERC	303.02	91.088	94.000	320099	0.000	0.151	0.0	17.9
DRAWDOWN	SL_B900-2	PERC	304.02	91.086	94.000	320084	0.000	0.150	0.0	17.9
DRAWDOWN	SL_B900-2	PERC	305.02	91.085	94.000	320068	0.000	0.150	0.0	17.9

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	306.02	91.083	94.000	320053	0.000	0.150	0.0	17.9
DRAWDOWN	SL_B900-2	PERC	307.02	91.081	94.000	320037	0.000	0.149	0.0	17.9
DRAWDOWN	SL_B900-2	PERC	308.02	91.079	94.000	320022	0.000	0.149	0.0	17.9
DRAWDOWN	SL_B900-2	PERC	309.02	91.078	94.000	320007	0.000	0.149	0.0	17.9
DRAWDOWN	SL_B900-2	PERC	310.02	91.076	94.000	319991	0.000	0.148	0.0	17.9
DRAWDOWN	SL_B900-2	PERC	311.02	91.074	94.000	319976	0.000	0.148	0.0	18.0
DRAWDOWN	SL_B900-2	PERC	312.02	91.073	94.000	319961	0.000	0.148	0.0	18.0
DRAWDOWN	SL_B900-2	PERC	313.02	91.071	94.000	319946	0.000	0.148	0.0	18.0
DRAWDOWN	SL_B900-2	PERC	314.02	91.069	94.000	319930	0.000	0.147	0.0	18.0
DRAWDOWN	SL_B900-2	PERC	315.02	91.068	94.000	319915	0.000	0.147	0.0	18.0
DRAWDOWN	SL_B900-2	PERC	316.02	91.066	94.000	319900	0.000	0.147	0.0	18.0
DRAWDOWN	SL_B900-2	PERC	317.02	91.065	94.000	319885	0.000	0.146	0.0	18.0
DRAWDOWN	SL_B900-2	PERC	318.02	91.063	94.000	319870	0.000	0.146	0.0	18.0
DRAWDOWN	SL_B900-2	PERC	319.02	91.061	94.000	319855	0.000	0.146	0.0	18.1
DRAWDOWN	SL_B900-2	PERC	320.02	91.060	94.000	319840	0.000	0.145	0.0	18.1
DRAWDOWN	SL_B900-2	PERC	321.02	91.058	94.000	319825	0.000	0.145	0.0	18.1
DRAWDOWN	SL_B900-2	PERC	322.02	91.056	94.000	319810	0.000	0.145	0.0	18.1
DRAWDOWN	SL_B900-2	PERC	323.02	91.055	94.000	319795	0.000	0.145	0.0	18.1
DRAWDOWN	SL_B900-2	PERC	324.02	91.053	94.000	319780	0.000	0.144	0.0	18.1
DRAWDOWN	SL_B900-2	PERC	325.02	91.051	94.000	319766	0.000	0.144	0.0	18.1
DRAWDOWN	SL_B900-2	PERC	326.02	91.050	94.000	319751	0.000	0.144	0.0	18.1
DRAWDOWN	SL_B900-2	PERC	327.02	91.048	94.000	319736	0.000	0.143	0.0	18.1
DRAWDOWN	SL_B900-2	PERC	328.02	91.047	94.000	319721	0.000	0.143	0.0	18.2
DRAWDOWN	SL_B900-2	PERC	329.02	91.045	94.000	319706	0.000	0.143	0.0	18.2
DRAWDOWN	SL_B900-2	PERC	330.02	91.043	94.000	319692	0.000	0.143	0.0	18.2
DRAWDOWN	SL_B900-2	PERC	331.02	91.042	94.000	319677	0.000	0.142	0.0	18.2
DRAWDOWN	SL_B900-2	PERC	332.02	91.040	94.000	319662	0.000	0.142	0.0	18.2
DRAWDOWN	SL_B900-2	PERC	333.02	91.039	94.000	319648	0.000	0.142	0.0	18.2
DRAWDOWN	SL_B900-2	PERC	334.02	91.037	94.000	319633	0.000	0.142	0.0	18.2
DRAWDOWN	SL_B900-2	PERC	335.02	91.035	94.000	319619	0.000	0.141	0.0	18.2
DRAWDOWN	SL_B900-2	PERC	336.02	91.034	94.000	319604	0.000	0.141	0.0	18.3
DRAWDOWN	SL_B900-2	PERC	337.02	91.032	94.000	319590	0.000	0.141	0.0	18.3
DRAWDOWN	SL_B900-2	PERC	338.02	91.031	94.000	319575	0.000	0.140	0.0	18.3
DRAWDOWN	SL_B900-2	PERC	339.02	91.029	94.000	319561	0.000	0.140	0.0	18.3
DRAWDOWN	SL_B900-2	PERC	340.02	91.027	94.000	319546	0.000	0.140	0.0	18.3
DRAWDOWN	SL_B900-2	PERC	341.02	91.026	94.000	319532	0.000	0.140	0.0	18.3
DRAWDOWN	SL_B900-2	PERC	342.02	91.024	94.000	319517	0.000	0.139	0.0	18.3
DRAWDOWN	SL_B900-2	PERC	343.02	91.023	94.000	319503	0.000	0.139	0.0	18.3
DRAWDOWN	SL_B900-2	PERC	344.02	91.021	94.000	319489	0.000	0.139	0.0	18.3
DRAWDOWN	SL_B900-2	PERC	345.02	91.020	94.000	319474	0.000	0.139	0.0	18.4
DRAWDOWN	SL_B900-2	PERC	346.02	91.018	94.000	319460	0.000	0.138	0.0	18.4
DRAWDOWN	SL_B900-2	PERC	347.02	91.017	94.000	319446	0.000	0.138	0.0	18.4
DRAWDOWN	SL_B900-2	PERC	348.02	91.015	94.000	319432	0.000	0.138	0.0	18.4
DRAWDOWN	SL_B900-2	PERC	349.02	91.013	94.000	319417	0.000	0.138	0.0	18.4
DRAWDOWN	SL_B900-2	PERC	350.02	91.012	94.000	319403	0.000	0.137	0.0	18.4
DRAWDOWN	SL_B900-2	PERC	351.02	91.010	94.000	319389	0.000	0.137	0.0	18.4
DRAWDOWN	SL_B900-2	PERC	352.02	91.009	94.000	319375	0.000	0.137	0.0	18.4
DRAWDOWN	SL_B900-2	PERC	353.02	91.007	94.000	319361	0.000	0.137	0.0	18.4
DRAWDOWN	SL_B900-2	PERC	354.02	91.006	94.000	319347	0.000	0.136	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	355.02	91.004	94.000	319333	0.000	0.136	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	356.02	91.003	94.000	319319	0.000	0.136	0.0	18.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	357.02	91.001	94.000	319305	0.000	0.136	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	358.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	359.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	360.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	361.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	362.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	363.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	364.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	365.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	366.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	367.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	368.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	369.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	370.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	371.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	372.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	373.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	374.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	375.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	376.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	377.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	378.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	379.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	380.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	381.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	382.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	383.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	384.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	385.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	386.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	387.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	388.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	389.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	390.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	391.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	392.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	393.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	394.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	395.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	396.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	397.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	398.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	399.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	400.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	401.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	402.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	403.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	404.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	405.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	406.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	407.02	91.000	94.000	319295	0.000	0.000	0.0	18.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	408.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	409.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	410.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	411.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	412.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	413.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	414.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	415.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	416.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	417.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	418.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	419.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	420.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	421.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	422.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	423.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	424.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	425.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	426.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	427.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	428.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	429.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	430.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	431.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	432.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	433.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	434.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	435.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	436.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	437.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	438.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	439.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	440.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	441.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	442.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	443.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	444.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	445.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	446.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	447.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	448.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	449.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	450.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	451.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	452.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	453.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	454.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	455.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	456.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	457.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	458.02	91.000	94.000	319295	0.000	0.000	0.0	18.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	459.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	460.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	461.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	462.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	463.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	464.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	465.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	466.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	467.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	468.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	469.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	470.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	471.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	472.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	473.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	474.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	475.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	476.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	477.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	478.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	479.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	480.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	481.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	482.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	483.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	484.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	485.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	486.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	487.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	488.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	489.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	490.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	491.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	492.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	493.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	494.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	495.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	496.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	497.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	498.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	499.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	500.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	501.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	502.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	503.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	504.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	505.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	506.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	507.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	508.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	509.02	91.000	94.000	319295	0.000	0.000	0.0	18.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	510.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	511.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	512.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	513.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	514.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	515.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	516.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	517.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	518.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	519.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	520.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	521.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	522.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	523.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	524.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	525.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	526.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	527.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	528.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	529.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	530.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	531.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	532.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	533.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	534.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	535.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	536.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	537.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	538.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	539.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	540.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	541.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	542.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	543.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	544.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	545.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	546.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	547.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	548.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	549.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	550.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	551.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	552.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	553.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	554.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	555.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	556.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	557.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	558.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	559.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	560.02	91.000	94.000	319295	0.000	0.000	0.0	18.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	561.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	562.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	563.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	564.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	565.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	566.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	567.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	568.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	569.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	570.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	571.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	572.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	573.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	574.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	575.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	576.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	577.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	578.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	579.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	580.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	581.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	582.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	583.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	584.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	585.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	586.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	587.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	588.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	589.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	590.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	591.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	592.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	593.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	594.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	595.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	596.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	597.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	598.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	599.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	600.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	601.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	602.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	603.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	604.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	605.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	606.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	607.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	608.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	609.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	610.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	611.02	91.000	94.000	319295	0.000	0.000	0.0	18.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	612.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	613.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	614.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	615.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	616.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	617.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	618.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	619.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	620.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	621.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	622.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	623.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	624.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	625.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	626.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	627.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	628.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	629.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	630.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	631.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	632.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	633.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	634.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	635.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	636.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	637.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	638.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	639.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	640.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	641.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	642.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	643.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	644.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	645.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	646.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	647.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	648.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	649.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	650.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	651.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	652.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	653.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	654.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	655.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	656.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	657.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	658.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	659.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	660.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	661.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	662.02	91.000	94.000	319295	0.000	0.000	0.0	18.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	663.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	664.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	665.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	666.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	667.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	668.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	669.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	670.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	671.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	672.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	673.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	674.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	675.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	676.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	677.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	678.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	679.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	680.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	681.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	682.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	683.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	684.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	685.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	686.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	687.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	688.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	689.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	690.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	691.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	692.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	693.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	694.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	695.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	696.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	697.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	698.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	699.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	700.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	701.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	702.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	703.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	704.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	705.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	706.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	707.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	708.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	709.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	710.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	711.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	712.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	713.02	91.000	94.000	319295	0.000	0.000	0.0	18.5

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	SL_B900-2	PERC	714.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	715.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	716.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	717.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	718.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	719.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	720.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	721.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	722.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	723.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	724.02	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	SL_B900-2	PERC	725.01	91.000	94.000	319295	0.000	0.000	0.0	18.5
DRAWDOWN	WQ_B900-2	PERC	0.00	91.080	94.000	320027	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	1.01	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	2.01	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	3.01	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	4.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	5.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	6.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	7.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	8.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	9.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	10.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	11.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	12.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	13.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	14.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	15.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	16.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	17.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	18.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	19.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	20.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	21.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	22.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	23.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	24.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	25.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	26.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	27.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	28.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	29.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	30.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	31.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	32.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	33.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	34.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	35.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	36.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	37.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B900-2	PERC	38.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	39.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	40.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	41.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	42.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	43.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	44.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	45.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	46.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	47.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	48.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	49.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	50.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	51.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	52.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	53.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	54.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	55.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	56.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	57.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	58.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	59.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	60.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	61.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	62.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	63.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	64.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	65.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	66.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	67.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	68.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	69.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	70.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	71.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	72.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	73.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	74.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	75.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	76.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	77.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	78.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	79.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	80.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	81.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	82.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	83.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	84.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	85.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	86.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	87.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	88.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-2	PERC	89.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	90.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	91.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	92.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	93.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	94.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	95.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	96.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	97.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	98.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	99.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	100.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	101.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	102.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	103.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	104.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	105.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	106.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	107.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	108.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	109.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	110.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	111.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	112.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	113.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	114.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	115.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	116.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	117.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	118.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	119.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	120.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	121.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	122.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	123.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	124.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	125.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	126.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	127.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	128.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	129.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	130.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	131.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	132.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	133.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	134.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	135.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	136.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	137.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	138.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	139.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B900-2	PERC	140.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	141.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	142.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	143.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	144.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	145.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	146.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	147.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	148.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	149.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	150.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	151.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	152.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	153.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	154.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	155.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	156.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	157.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	158.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	159.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	160.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	161.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	162.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	163.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	164.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	165.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	166.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	167.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	168.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	169.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	170.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	171.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	172.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	173.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	174.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	175.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	176.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	177.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	178.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	179.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	180.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	181.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	182.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	183.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	184.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	185.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	186.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	187.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	188.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	189.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	190.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-2	PERC	191.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	192.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	193.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	194.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	195.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	196.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	197.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	198.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	199.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	200.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	201.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	202.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	203.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	204.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	205.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	206.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	207.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	208.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	209.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	210.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	211.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	212.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	213.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	214.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	215.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	216.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	217.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	218.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	219.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	220.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	221.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	222.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	223.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	224.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	225.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	226.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	227.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	228.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	229.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	230.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	231.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	232.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	233.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	234.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	235.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	236.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	237.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	238.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	239.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	240.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	241.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B900-2	PERC	242.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	243.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	244.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	245.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	246.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	247.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	248.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	249.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	250.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	251.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	252.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	253.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	254.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	255.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	256.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	257.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	258.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	259.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	260.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	261.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	262.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	263.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	264.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	265.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	266.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	267.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	268.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	269.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	270.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	271.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	272.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	273.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	274.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	275.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	276.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	277.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	278.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	279.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	280.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	281.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	282.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	283.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	284.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	285.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	286.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	287.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	288.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	289.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	290.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	291.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	292.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-2	PERC	293.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	294.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	295.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	296.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	297.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	298.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	299.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	300.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	301.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	302.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	303.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	304.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	305.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	306.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	307.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	308.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	309.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	310.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	311.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	312.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	313.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	314.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	315.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	316.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	317.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	318.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	319.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	320.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	321.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	322.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	323.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	324.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	325.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	326.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	327.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	328.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	329.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	330.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	331.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	332.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	333.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	334.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	335.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	336.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	337.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	338.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	339.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	340.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	341.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	342.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	343.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B900-2	PERC	344.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	345.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	346.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	347.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	348.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	349.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	350.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	351.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	352.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	353.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	354.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	355.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	356.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	357.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	358.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	359.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	360.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	361.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	362.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	363.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	364.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	365.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	366.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	367.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	368.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	369.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	370.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	371.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	372.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	373.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	374.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	375.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	376.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	377.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	378.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	379.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	380.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	381.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	382.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	383.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	384.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	385.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	386.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	387.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	388.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	389.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	390.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	391.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	392.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	393.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	394.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B900-2	PERC	395.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	396.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	397.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	398.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	399.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	400.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	401.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	402.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	403.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	404.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	405.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	406.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	407.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	408.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	409.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	410.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	411.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	412.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	413.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	414.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	415.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	416.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	417.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	418.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	419.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	420.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	421.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	422.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	423.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	424.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	425.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	426.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	427.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	428.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	429.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	430.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	431.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	432.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	433.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	434.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	435.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	436.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	437.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	438.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	439.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	440.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	441.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	442.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	443.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	444.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	445.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-2	PERC	446.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	447.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	448.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	449.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	450.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	451.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	452.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	453.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	454.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	455.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	456.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	457.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	458.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	459.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	460.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	461.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	462.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	463.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	464.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	465.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	466.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	467.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	468.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	469.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	470.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	471.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	472.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	473.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	474.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	475.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	476.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	477.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	478.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	479.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	480.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	481.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	482.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	483.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	484.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	485.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	486.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	487.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	488.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	489.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	490.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	491.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	492.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	493.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	494.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	495.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	496.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-2	PERC	497.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	498.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	499.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	500.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	501.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	502.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	503.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	504.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	505.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	506.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	507.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	508.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	509.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	510.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	511.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	512.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	513.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	514.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	515.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	516.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	517.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	518.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	519.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	520.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	521.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	522.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	523.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	524.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	525.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	526.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	527.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	528.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	529.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	530.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	531.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	532.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	533.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	534.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	535.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	536.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	537.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	538.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	539.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	540.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	541.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	542.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	543.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	544.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	545.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	546.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	547.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-2	PERC	548.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	549.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	550.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	551.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	552.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	553.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	554.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	555.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	556.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	557.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	558.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	559.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	560.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	561.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	562.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	563.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	564.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	565.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	566.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	567.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	568.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	569.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	570.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	571.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	572.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	573.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	574.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	575.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	576.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	577.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	578.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	579.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	580.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	581.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	582.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	583.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	584.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	585.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	586.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	587.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	588.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	589.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	590.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	591.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	592.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	593.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	594.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	595.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	596.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	597.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	598.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-2	PERC	599.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	600.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	601.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	602.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	603.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	604.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	605.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	606.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	607.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	608.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	609.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	610.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	611.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	612.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	613.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	614.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	615.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	616.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	617.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	618.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	619.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	620.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	621.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	622.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	623.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	624.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	625.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	626.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	627.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	628.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	629.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	630.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	631.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	632.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	633.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	634.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	635.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	636.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	637.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	638.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	639.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	640.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	641.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	642.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	643.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	644.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	645.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	646.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	647.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	648.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	649.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
DRAWDOWN	WQ_B900-2	PERC	650.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	651.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	652.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	653.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	654.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	655.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	656.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	657.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	658.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	659.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	660.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	661.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	662.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	663.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	664.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	665.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	666.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	667.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	668.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	669.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	670.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	671.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	672.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	673.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	674.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	675.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	676.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	677.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	678.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	679.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	680.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	681.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	682.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	683.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	684.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	685.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	686.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	687.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	688.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	689.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	690.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	691.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	692.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	693.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	694.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	695.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	696.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	697.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	698.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	699.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	700.02	91.000	94.000	319295	0.000	0.000	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
DRAWDOWN	WQ_B900-2	PERC	701.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	702.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	703.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	704.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	705.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	706.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	707.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	708.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	709.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	710.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	711.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	712.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	713.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	714.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	715.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	716.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	717.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	718.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	719.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	720.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	721.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	722.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	723.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	724.02	91.000	94.000	319295	0.000	0.000	0.0	0.0
DRAWDOWN	WQ_B900-2	PERC	725.01	91.000	94.000	319295	0.000	0.000	0.0	0.0

Flood Compensation Summary (FPC 300-South-01)

	South Side - Basin 200 & 300 & SMF 200-01 & SMF-300-01 Combined		FPC 300-South-01		
	Impacts		Compensation		
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)	Incremental Volume Compensation (CF)	Cumulative Volume Compensation (CF)	Net Increase In Floodplain Storage (CF)
78.00	0	0	0	0	0
78.50	138,977	138,977	706,566	706,566	567,589
79.00	167,351	306,328	679,048	1,385,614	1,079,286
79.50	219,825	526,153	594,407	1,980,021	1,453,868
80.00	236,798	762,95	526,427	2,506,448	1,743,498
80.50	339,560	1,102,	06	2,871,554	1,769,044
81.00	351,119	1,453,62	336,97	3,208,529	1,754,900
81.50	389,843	1,843,472	14,246	3,522,775	1,679,303
82.00	406,666	2,250,13	2 72	3,821,146	1,571,009
82.50	466,954	2,71 92	280,710	4,101,856	1,384,764
83.00	492,423	3,2 ,515	4,890	4,366,746	1,157,231
83.50	603,705	3,8 ,22	248,784	4,615,530	802,311
84.00	664,424	,477,64	232,753	4,848,283	370,639
TOTALS		4,477,644		4,848,283	

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Flood Compensation Summary (FPC 300-South-02)

	South Side - Basin 200 & 300 & SMF 200-01 Combined		FPC 300-South-02		
	Impacts		Compensation		
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)	Incremental Volume Compensation (CF)	Cumulative Volume Compensation (CF)	Net Increase In Floodplain Storage (CF)
78.00	0	0	0	0	0
78.50	4,832	4,832	333,501	333,501	328,669
79.00	5,160	9,992	283,792	617,293	607,301
79.50	5,160	15,152	238,409	855,702	840,550
80.00	5,160	20,312	209,343	1,065,045	1,044,733
80.50	102,314	122,62[illegible]	181,497	1,246,541	1,123,916
81.00	113,873	236,4[illegible]	1[illegible]43	1,406,085	1,169,586
81.50	152,597	389,096	142,50[illegible]	1,548,587	1,159,490
82.00	169,420	558,516	128,220	1,676,807	1,118,290
82.50	229,708	788,225	11[illegible]21	1,791,728	1,003,503
83.00	255,177	1,04[illegible]402	102,114	1,893,842	850,440
83.50	366,459	1,4[illegible]9,861	[illegible],584	1,983,425	573,564
84.00	427,179	1,8[illegible],04[illegible]	83,722	2,067,147	230,107
TOTALS		[illegible],837,04[illegible]		2,067,147	

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Flood Compensation Summary (FPC 300-North-01)

	North Side - Basin 200 & 300 Combined		FPC 300-North-01		
	Impacts		Compensation		
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)	Incremental Volume Compensation (CF)	Cumulative Volume Compensation (CF)	Net Increase In Floodplain Storage (CF)
80.00	0	0	0	0	0
80.50	52,278	52,278	108,967	108,967	56,689
81.00	73,100	125,378	108,965	217,932	92,555
81.50	81,855	207,232	108,963	326,895	119,663
82.00	90,610	297,842	108,825	435,720	137,878
82.50	97,880	395,72	108,358	544,078	148,356
83.00	105,150	500,8	10 00	650,578	149,705
83.50	110,059	610,931	103,631	754,209	143,278
84.00	115,100	726,031	100,323	854,532	128,501
TOTALS		726,031		854,532	

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Flood Compensation Summary (FPC 300-North-02)

	North Side - Basin 200 & 300 Combined		FPC 300-North-02		
	Impacts		Compensation		
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)	Incremental Volume Compensation (CF)	Cumulative Volume Compensation (CF)	Net Increase In Floodplain Storage (CF)
80.00	0	0	0	0	0
80.50	52,278	52,278	110,039	110,039	57,761
81.00	73,100	125,378	109,961	220,000	94,622
81.50	81,855	207,232	109,346	329,346	122,113
82.00	90,610	297,842	108,465	437,811	139,969
82.50	97,880	395,72	107,394	545,204	149,482
83.00	105,150	500,8	1 35	651,489	150,616
83.50	110,059	610,931	104,92	756,416	145,484
84.00	115,100	726,031	103,139	859,555	133,524
TOTALS		726,031		859,555	

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Floodplain Impacts (Basin 200 South)

FPI-B200-SOUTH-01 & 02		
	Impacts	
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)
80.00	0	0
80.50	280	280
81.00	559	839
81.50	1,626	2,465
82.00	2,693	5,159
82.50	4,920	10,078
83.00	7,146	17,224
83.50	8,327	25,551
84.00	9,507	35,058

FPI-B200-SOUTH-03 (SMF-B200-02)		
	Impacts	
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)
82.00	0	0
82.50	1,042	1,042
83.00	1,904	2,946
83.50	8,017	10,963
84.00	15,838	26,801

FPI-B200-SOUTH-04 (SMF-B200-01)		
	Impacts	
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)
81.00	0	0
81.50	35,942	35,942
82.00	49,984	85,926
82.50	106,234	192,159
83.00	127,664	319,824
83.50	146,891	466,714
84.00	153,457	620,171

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Floodplain Impacts (Basin 300 South)

FPI-B300-SOUTH-01 & 02		
	Impacts	
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)
78.00	0	0
78.50	4,832	4,832
79.00	5,160	9,992
79.50	5,160	15,152
80.00	5,160	20,312
80.50	102,034	122,346
81.00	113,314	235,660
81.50	115,029	350,689
82.00	116,743	467,432
82.50	118,555	585,987
83.00	120,367	706,354
83.50	211,242	917,596
84.00	264,214	1,181,810

FPI-B300-SOUTH-03 (SMF-B300-03)		
	Impacts	
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)
78.00	0	0
78.50	134,145	134,145
79.00	162,191	296,336
79.50	214,665	511,001
80.00	231,638	742,638
80.50	237,246	979,884
81.00	237,246	1,217,130
81.50	237,246	1,454,376
82.00	237,246	1,691,621
82.50	237,246	1,928,867
83.00	237,246	2,166,113
83.50	[illegible]	2,403,359
[illegible]	237,[illegible]	[illegible]40,604

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Floodplain Impacts (Basin 200 North)

FPI-B200-NORTH-01		
	Impacts	
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)
80.00	0	0
80.50	16,272	16,272
81.00	32,543	48,815
81.50	38,695	87,510
82.00	44,846	132,356
82.50	49,588	181,944
83.00	54,330	236,274
83.50	56,584	292,858
84.00	58,837	351,695

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Floodplain Impacts (Basin 300 North)

FPI-B300-NORTH-01 & 02 & 03		
	Impacts	
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)
80.00	0	0
80.50	36,006	36,006
81.00	40,556	76,562
81.50	43,160	119,723
82.00	45,764	165,486
82.50	48,292	213,778
83.00	50,820	264,599
83.50	53,475	318,074
84.00	56,262	374,336

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Impact Summary (Combined B200 & 300)

South Side - 200 & 300 & SMF 200-01 & SMF-300-01 Combined - (For FPC B300-South-01)		
	Impacts	
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)
78.00	0	0
78.50	138,977	138,977
79.00	167,351	306,328
79.50	219,825	526,153
80.00	236,798	762,950
80.50	339,560	1,102,510
81.00	351,119	1,453,629
81.50	389,843	1,843,472
82.00	406,666	2,250,138
82.50	466,954	2,717,092
83.00	492,423	3,209,515
83.50	603,705	3,813,220
84.00	664,424	4,477,644

South Side - 200 & 300 & SMF 200-01 Combined - (For FPC B300-South-02)		
	Impacts	
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)
78.00	0	0
78.50	4,832	4,832
79.00	5,160	9,992
79.50	5,160	15,152
80.00	5,160	20,312
80.50	102,314	122,626
81.00	113,873	236,499
81.50	152,597	389,096
[illegible]00	[illegible]9,420	558,516
[illegible]2.50	[illegible]	[illegible]8,225
[illegible]	255,17[illegible]	[illegible]43,402
83.[illegible]	366,459	1,409,861
84.00	[illegible]7,179	1,837,040

North Side - 200 & 300 Combined		
	Impacts	
Stage (FT)	Incremental Volume Impact (CF)	Cumulative Volume Impacts (CF)
80.00	0	0
80.50	52,278	52,278
81.00	73,100	125,378
81.50	81,855	207,232
82.00	90,610	297,842
82.50	97,880	395,722
83.00	105,150	500,873
83.50	110,059	610,931
84.00	115,100	726,031

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APPENDIX 15
SWFWMD Meeting Minutes:

2020-07-29 SWFWMD Pre-application Meeting Minutes

2020-10-01 SWFWMD Pre-application Meeting Minutes

2021-07-29 SWFWMD Pre-application Meeting Minutes

2021-09-23 SWFWMD Pre-application Meeting Minutes

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THIS FORM IS INTENDED TO FACILITATE AND GUIDE THE DIALOGUE DURING A PRE-APPLICATION MEETING BY PROVIDING A PARTIAL "PROMPT LIST" OF DISCUSSION SUBJECTS. IT IS NOT A LIST OF REQUIREMENTS FOR SUBMITTAL BY THE APPLICANT.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
RESOURCE REGULATION DIVISION
PRE-APPLICATION MEETING NOTES

FILE NUMBER:

PA 407789

Date:	07/29/2020		
Time:	10:00		
Project Name:	FDOT US 98 widening from SR 54 to SR 50		
District Engineer:	Scott VanOrsdale		
District ES:	Lauren Greenawalt		
Attendees:	Nate Johnson, Tech Wells, Christian Gyle, Walter Nemecek, Tony Celani, Craig Fox, Ashley Henzel, Todd Laine, Tori Kuba, Abdul Waris,		
County:	Pasco	**Sec/Twp/Rge:**	Multiple S/T/R
Total Land Acreage:	N/A	**Project Acreage:**	acres

Prior On-Site/Off-Site Permit Activity:

- Numerous ERP Permits located within or adjacent to the roadway, all impacted ERPs will need to be modified.

Project Overview:

- FDOT US 98 widening from SR 54 to SR 50 from 2 lanes to 4 lanes. Project will be submitted in segments; it is highly recommended that follow up pre-app meetings are held when more specific design concepts can be provided.
- High overview discussion for the widening on US 98 from SR 54 to SR 50.
- Discussed if there were any CFI or SWIM projects that roadway project can be party to. Contact Pasco County and the other local municipalities for information related to any upcoming or ongoing projects. For projects related to municipalities you can contact our Government Affairs Regional Manager Frank Gargano etx. 4759. For possible SWIM projects contact Will VanGorder ext. 2206.
- Unknown if there are any point source areas within the US 98 limits between SR 54 and SR 50.
- Floodplain limits should be determined utilizing best available information. In areas where a watershed study is not available, it may be required to match the 100-year floodplain limits.
- Storage modeling or cup or cup compensation are both viable options for floodplain compensation. Impacts to a flood way may require modeling in addition to cup for cup compensation.
- Talked about impaired waterbodies in OFWs: The treatment required for an impaired waterbody that is also classified as an OFW will be the required net improvement treatment volumes depending on the treatment type(s) selected. However, this volume must not be less than the presumptive treatment volume plus 50% to meet the OFW Criteria.
- OFW treatment is required for all direct discharges into an OFW.
- Existing land uses for the net improvement analysis will be the historic land uses. Regional net improvement solutions can be considered to compensate for the lack of direct or inline solutions.
- Adding nutrient removal systems to existing drainage system is a viable option, as long as the existing systems are not adversely impacted.
- To consider the pre-development condition/ land use as agriculture pasture, the property would need to be in continuous use as an agriculture pasture for a long period of time. Typically, we consider a historic use as something that has been in operation for many years. I recent land use change of a short period of time, for example two years, would not be sufficient to consider the land use as agriculture.
- Discussed getting a land use change for removing cattle or agriculture practices off existing historical pastures. This may be possible using the BMPTrains and legal instruments to prohibit the land use from agriculture proposes. The post-development land use for properties effected by this change would be the appropriate undeveloped condition. Applicant must have legal control of the property.
- Discussed A/D soil classification; this soil can be classified as Group A when well drained, otherwise this soil type will be classified as group D.
- Also discussed if grass swales would be counted as DCIA. Per Section 4.5, A.H.V.II, grass swales would not be included in the DICA area. Only the new impervious area plus existing impervious area that directly connected would be used to determine the treatment volume.

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Environmental Discussion: (Wetlands On-Site, Wetlands on Adjacent Properties, Delineation, T&E species, Easements, Drawdown Issues, Setbacks, Justification, Elimination/Reduction, Permanent/Temporary Impacts, Secondary and Cumulative Impacts, Mitigation Options, SHWL, Upland Habitats, Site Visit, etc.)

- Provide the limits of jurisdictional wetlands and surface waters. Roadside ditches or other water conveyances, including permitted and constructed water conveyance features, can be claimed as surface waters per Chapter 62-340 F.A.C. if they do not meet the definition of a swale as stated under Rule 403.803 (14) F.S.
- Provide appropriate mitigation using UMAM for impacts, if applicable.
- If the wetland mitigation is appropriate and the applicant is proposing to utilize mitigation bank credit as wetland mitigation, the following applies: Provide letter or credit availability or, if applicable, a letter of reservation from the wetland mitigation bank. The wetland mitigation bank service area and current ledgers can be found out the following link: https://www.swfwmd.state.fl.us/business/epermitting/environmental-resource-permit, Goto "ERP Mitigation Bank Wetland Credit Ledgers"
- Demonstrate elimination and reduction of wetland impacts.
- Maintain minimum 15 foot, average 25 foot wetland conservation area setback or address secondary impacts.
- Determine SHWL's at pond locations, wetlands, and OSWs.
- Determine normal pool elevations of wetlands.
- Determine 'pop-off' locations and elevations of wetlands.
- As of October 1, 2017, the District will no longer send a copy of an application that does not qualify for a State Programmatic General Permit (SPGP) to the U.S. Army Corps of Engineers. If a project does not qualify for a SPGP, you will need to apply separately to the Corps using the appropriate federal application form for activities under federal jurisdiction. Please see the Current Jacksonville District Regulatory Division Sourcebook for more information about federal permitting. Please contact your local Corps office if you have questions about federal permitting. Link: http://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/

Site Information Discussion: (SHW Levels, Floodplain, Tailwater Conditions, Adjacent Off-Site Contributing Sources, Receiving Waterbody, etc.)

- Existing roadway/intersections – US 98 from SR 50 to SR 50
- Watersheds – project will involve several watershed studies. Contact the watershed group for more information related to the watershed studies.
- WBIDs need to be independently verified by consultant – Please review the following link to determine the impaired waterbodies, TMDLs or BMAPs associated with the project. Water Quality Assessments, TMDLs, and BMAPs
- Portions of the project will be discharging to impaired waters.
- Portions of the project may discharge to closed basins, applicant to determine.
- OFW – Withlacoochee River System
- Document/justify SHWE's at pond locations, wetlands, and OSWs.
- Determine normal pool elevations of wetlands.
- Determine 'pop-off' locations and elevations of wetlands.
- Provide documentation to support tailwater conditions for quality and quantity design
- Proposed control structures in wetlands should be consistent with existing 'pop-off' elevations of wetlands; demonstrate no adverse impacts to wetland hydroperiod for up to 2.33yr mean annual storm.
- Minimum flows and levels of receiving waters shall not be disrupted.
- Contamination issues need to be resolved with the FDEP. Check FDEP MapDirect layer for possible contamination points within/adjacent to the project area. FDEP MapDirect Link
  For known contamination within the site or within 500' beyond the proposed stormwater management system:
  - after the application is submitted, please contact FDEP staff listed below and provide them with the ERP Application ID # along with a mounding analysis (groundwater elevation versus distance) of the proposed stormwater management system that shows the proposed groundwater mound will not adversely impact the contaminated area. FDEP will review the plans submitted to the District and mounding analysis to determine any adverse impacts. Provide documentation from FDEP that the proposed construction will not result in adverse impacts. This is required prior to the ERP Application being deemed complete.
  - If a SWMS is to be constructed within a contamination zone area, a groundwater sample collected from the first aquifer water bearing zone (i.e. zone of saturation or first zone that the water table is encountered) will most likely be required.
  For known offsite contamination between 500' and 1500' beyond the site:

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- FDEP may also require a mounding analysis (groundwater elevation versus distance) for the proposed stormwater systems. SWFWMD will issue the permit when contamination sites are located outside the 500 ft radius prior to concurrence from DEP, however, it is the Permittee's responsibility to resolve contaminated site assessment concerns with the FDEP prior to beginning any construction activities. A permit condition will be used to reiterate this. You are advised to contact DEP as soon as possible, preferably during permit application period.

FDEP Contacts:

- For projects located within Citrus, Hernando, Pasco, Hillsborough, Pinellas, Manatee, Polk and Hardee Counties: Yanisa Angulo yanisa.angulo@floridadep.gov

- District owned lands adjacent to project area. Contact Steven Blaschka ext. 4459, if a work license or easement is required on District. You may also want to contact land management, Manger for that section is Chris Reed, ext 4466 or Carmen Sanders, ext 4477.
- Stormwater retention and detention systems are classified as moderate sanitary hazards with respect to public and private drinking water wells. Stormwater treatment facilities shall not be constructed within 100 feet of an existing public water supply well and shall not be constructed within 75 feet of an existing private drinking water well. Subsection 4.2, A.H.V.II.
- Any wells on site should be identified and their future use/abandonment must be designated.
- District data collection site may be impacted by proposed construction. Contact data.maps@watermatters.org to coordinate relocation of District data collection site.

Water Quantity Discussions: (Basin Description, Storm Event, Pre/Post Volume, Pre/Post Discharge, etc.)

- Demonstrate that post development peak discharges from proposed project area will not cause an adverse impact for a 25-year, 24-hour storm event.
- For projects or portions of projects that discharge to a closed basin, limit the post-development 100-year discharge volume to the pre-development 100-year, 24-hour volume.
- Demonstrate that site will not impede the conveyance of contributing off-site flows.
- Demonstrate that the project will not increase flood stages up- or down-stream of the project area(s).
- Provide equivalent compensating storage for all 100-year, 24-hour riverine floodplain impacts if applicable. Providing cup-for-cup storage in dedicated areas of excavation is the preferred method of compensation. if no impacts to flood conveyance are proposed and storage impacts and compensation occur within the same basin. In this case, tabulations should be provided at 0.5-foot increments to demonstrate encroachment and compensation occur at the same levels. Otherwise, storage modeling will be required to demonstrate no increase in flood stages will occur on adjacent properties using the mean annual, 10-year, 25-year, and 100-year storm events for the pre- and post-development conditions.
- Please be aware that if there is credible historical evidence of past flooding or the physical capacity of the downstream conveyance or receiving waters indicates that the conditions for issuance will not be met without consideration of storm events of different frequency or duration, applicants shall be required to provide additional analyses using storm events of different duration or frequency than the 25-year 24-hour storm event, or to adjust the volume, rate or timing of discharges. [Section 3.0 Applicant's Handbook Volume II]

Water Quality Discussions: (Type of Treatment, Technical Characteristics, Non-presumptive Alternatives, etc.)

- If the project discharges to an impaired water body, must provide a net environmental improvement.
- Applicant must demonstrate a net improvement for the parameters of concern by performing a pre/post pollutant loading analysis based on existing land use and the proposed land use.
- Also, replace treatment function of existing ditches to be filled.
- Presumptive Water Quality Treatment for Alterations to Existing Public Roadway Projects:
  -Refer to Section 4.5 A.H.V.II for Alterations to Existing Public Roadway Projects.
  -Refer to Sections 4.8, 4.8.1 and 4.8.2 A.H.V.II for Compensating Stormwater Treatment, Overtreatment, and Offsite Compensation.
  -All co-mingled existing & new impervious that is proposed to be connected to a treatment pond will require treatment for an area equal to the co-mingled existing & new impervious (times ½" for dry treatment or 1" for wet treatment). This applies whether or not equivalent treatment concepts are used.
  -However, if equivalent treatment concepts are used it is possible to strategically locate the pond(s) so that the minimum treatment requirement may be for an area equivalent to the new impervious area only. That is, co-mingled existing & new impervious that is not connected to a treatment pond may bypass treatment (as per Section 4.5(2), A.H.V.II); if the 'total impervious area' that is connected to the treatment pond(s) is at

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least equivalent to the area of new impervious only. The 'total impervious area' that is connected to the pond(s) may be composed of co-mingled existing & new impervious.
-Offsite impervious not required to be treated; but may be useful to be treated when using equivalent treatment concepts.
-Existing treatment capacity displaced by any road project will require additional compensating volume. Refer to Subsection 4.5(c), A.H.V.II.

- Will acknowledge compensatory treatment to offset pollutant loads associated with portions of the project area that cannot be physically treated.
- Provide additional 50% treatment for any direct discharges to OFW. Refer to ERP Applicant's Handbook Vol. II Subsection 4.1(f).
- Please be advised that although use of isolated wetlands for ERP treatment purposes is permittable as per Section 4.1(a)(3), A.H.V.II, use of isolated wetlands for treatment purposes may not necessarily meet US Army Corps criteria.

Sovereign Lands Discussion: (Determining Location, Correct Form of Authorization, Content of Application, Assessment of Fees, Coordination with FDEP)

- The project may be located within state owned sovereign submerged lands (SSSL). Be advised that a title determination will be required from FDEP to verify the presence and/or location of SSSL.
- If use of SSSL is proposed, authorization will be required. Refer to Chapter 18-21, F.A.C. and Chapter 18-20, F.A.C. for guidance on projects that impact SSSL and Aquatic Preserves.
- Include discussion on the potential type of SSSL authorization that may be required. Refer to Chapter 18-21.005, F.A.C.
- Coordination with the Tampa Port Authority for projects located in Hillsborough County is recommended.

Operation and Maintenance/Legal Information: (Ownership or Perpetual Control, O&M Entity, O&M Instructions, Homeowner Association Documents, Coastal Zone requirements, etc.)

- The permit must be issued to entity that owns or controls the property.
- Provide evidence of ownership or control by deed, easement, contract for purchase, etc. Evidence of ownership or control must include a legal description. A Property Appraiser summary of the legal description is NOT acceptable.

Application Type and Fee Required:

- SWERP Individual Permit – Sections A, C, and F of the ERP Application. Roadway improvements will likely be submitted in segments. Some common fees for large roadway projects listed below.
- < 100 acres of project area and < 1 acre of wetland or surface water impacts - $2,798.25 Online Submittal
- < 640 acres of project area and < 50 acre of wetland or surface water impacts - $3,105.75
- Consult the fee schedule for different thresholds

Other: (Future Pre-Application Meetings, Fast Track, Submittal Date, Construction Start Date, Required District Permits – WUP, WOD, Well Construction, etc.)

- An application for an individual permit to construct or alter a dam, impoundment, reservoir, or appurtenant work, requires that a notice of receipt of the application must be published in a newspaper within the affected area. Provide documentation that such noticing has been accomplished. Note that the published notices of receipt for an ERP can be in accordance with the language provided in Rule 40D-1.603(10), F.A.C.

- Provide a copy of the legal description (of all applicable parcels within the project area) in one of the following forms:
  a. Deed with complete Legal Description attachment.
  b. Plat.
  c. Boundary survey of the property(ies) with a sketch.

- The plans and drainage report submitted electronically must include the appropriate information required under Rules 61G15-23.005 and 61G15-23.004 (Digital), F.A.C. The following text is required by the Florida Board of Professional Engineers (FBPE) to meet this requirement when a digitally created seal is not used and must appear where the signature would normally appear:

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- Provide soil erosion and sediment control measures for use during construction. Refer to ERP Applicant's Handbook Vol. 1 Part IV Erosion and Sediment Control.
- Demonstrate that excavation of any stormwater ponds does not breach an aquitard (see Subsection 2.1.1, A.H.V.II) such that it would allow for lesser quality water to pass, either way, between the two systems. In those geographical areas of the District where there is not an aquitard present, the depth of the pond(s) shall not be excavated to within two (2) feet of the underlying limestone which is part of a drinking water aquifer. [Refer to Subsection 5.4.1(b), A.H.V.II]
- If lowering of SHWE is proposed, then burden is on Applicant to demonstrate no adverse onsite or offsite impacts as per Subsection 3.6, A.H.V.II. Groundwater drawdown 'radius of influence' computations may be required to demonstrate no adverse onsite or offsite impacts. Please note that new roadside swales or deepening of existing roadside swales may result in lowering of SHWE. Proposed ponds with control elevation less than SHWE may result in adverse lowering of onsite or offsite groundwater.

Disclaimer: The District ERP pre-application meeting process is a service made available to the public to assist interested parties in preparing for submittal of a permit application. Information shared at pre-application meetings is superseded by the actual permit application submittal. District permit decisions are based upon information submitted during the application process and Rules in effect at the time the application is complete.

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THIS FORM IS INTENDED TO FACILITATE AND GUIDE THE DIALOGUE DURING A PRE-APPLICATION MEETING BY PROVIDING A PARTIAL "PROMPT LIST" OF DISCUSSION SUBJECTS. IT IS NOT A LIST OF REQUIREMENTS FOR SUBMITTAL BY THE APPLICANT.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
RESOURCE REGULATION DIVISION
PRE-APPLICATION MEETING NOTES

FILE NUMBER:

PA 407957

Date:	10/1/2020
Time:	10:00
Project Name:	FDOT US 98 widening from SR 54 to SR 50
District Engineer:	Monte Ritter
District ES:	Kim Dymond
Attendees:	Nate Johnson Nathan.Johnson@arcadis.com , Tech Wells, Walter Nemecek, Christian Gyle, Tony Celani
County:	Pasco/Hernando
Total Land Acreage:	
Sec/Twp/Rge:	11,13,14/25/21; 18-20,27-29,34,35/25/22 26,27,35/24/21; 11-14,22,23,26/23/21
Project Acreage:	acres

Prior On-Site/Off-Site Permit Activity:

- Previous Pre App 407789; Numerous ERP's within the project corridor.

Project Overview:

- Proposed road widening from two to four lanes along US 98 and 301 between CR 54 at the Pasco/Polk county line and SR 50 in Hernando County. Project will be completed in four segments: (1) US 98 from CR 54 to US 301, (2) The US 301 Dade City Bypass, (3) US 301 from US 98 to the Withlacoochee River, (4) US 301 from the Withlacoochee River to SR 50.
- Meeting focused on a high-level discussion of regional facilities for treatment and floodplain compensation. Regional treatment facilities may be feasible if treatment facility is placed upstream of project and is connected to the same waterbody which receives untreated runoff. BMPTRAINS will be used to show treatment removal efficiencies of regional system will be equal to, or greater than presumptive criteria. Wetlands and wet ponds will not be included as part of the catchment areas in the BMPTRAINS analyses.

Environmental Discussion: (Wetlands On-Site, Wetlands on Adjacent Properties, Delineation, T&E species, Easements, Drawdown Issues, Setbacks, Justification, Elimination/Reduction, Permanent/Temporary Impacts, Secondary and Cumulative Impacts, Mitigation Options, SHWL, Upland Habitats, Site Visit, etc.)

- Not discussed.

Site Information Discussion: (SHW Levels, Floodplain, Tailwater Conditions, Adjacent Off-Site Contributing Sources, Receiving Waterbody, etc.)

- Watersheds – New River/Upper Hillsborough, East Pasco, Duck Lake, Dade City, Eastern Hernando. 100-year floodplain onsite per watershed studies. Contact Jessica Hendrix at Ext 4217 if copies of the watershed studies are needed. Section 3.4 of the ERP AHVII requires that flood elevation need to be determined from the most accurate information available.
- WBIDs – 1445, 1443A, 1329F, 1403B, 1424A, 1399, 1396, 1390. WBID 1443A is currently listed as impaired for Dissolved Oxygen. <u>WBIDs need to be independently verified by the consultant</u>
- Portions of project discharge to closed or volume sensitive basins
- OFW – Hillsborough River and Withlacoochee River System.
- Document/justify SHWE's at pond locations, wetlands, and OSWs.
- Provide documentation to support tailwater conditions for quality and quantity design. Can use data from watershed studies.
- Contamination issues need to be resolved with the FDEP. Check FDEP MapDirect layer for possible contamination points within/adjacent to the project area. FDEP Map Direct
  <u>For known contamination within the site or within 500' beyond the proposed stormwater management system:</u>
  - After the application is submitted, please contact FDEP staff listed below and provide them with the ERP Application ID # along with a mounding analysis (groundwater elevation versus distance) of the proposed stormwater management system that shows the proposed groundwater mound will not adversely impact the contaminated area. FDEP will review the plans submitted to the District and mounding analysis to

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determine any adverse impacts. Provide documentation from FDEP that the proposed construction will not result in adverse impacts. This is required prior to the ERP Application being deemed complete.
- If a SWMS is to be constructed within a contamination zone area, a groundwater sample collected from the first aquifer water bearing zone (i.e. zone of saturation or first zone that the water table is encountered) will most likely be required.
For known offsite contamination between 1500' and 500' beyond the site: - FDEP may also require a mounding analysis (groundwater elevation versus distance) for the proposed stormwater systems. SWFWMD will issue the permit when contamination sites are located outside the 500 ft radius prior to concurrence from DEP, however, it is the Permittee's responsibility to resolve contaminated site assessment concerns with the FDEP prior to beginning any construction activities. A permit condition will be used to reiterate this. You are advised to contact DEP as soon as possible, preferably during permit application period.
- FDEP Contacts:
- For projects located within Citrus, Hernando, Pasco, Hillsborough, Pinellas, Manatee, Polk and Hardee Counties: Yanisa Angulo Yanisa.angulo@floridadep.gov

- Any wells on site should be identified and their future use/abandonment must be designated.
- Stormwater retention and detention systems are classified as moderate sanitary hazards with respect to public and private drinking water wells. Stormwater treatment facilities shall not be constructed within 100 feet of an existing public water supply well and shall not be constructed within 75 feet of an existing private drinking water well. Subsection 4.2, A.H.V.II.
- District data collection sites (Site ID's 17716, 17717, [illegible] and 17[illegible]) at southern end of project between SR 54 and Stanton Hall Drive may be impacted by proposed construction. Contact the District's Data Steward at Data.Maps@watermatters.org under the subject line "PRIORITY ERP Data Evaluation" to coordinate protection or relocation of the data collection sites.

Water Quantity Discussions: (Basin Description, Storm Event, Pre/Post Volumes, Pre/Post Discharge, etc.)

- Demonstrate that post development peak discharges from proposed project area will not cause an adverse impact for a 25-year, 24-hour storm event.
- For projects or portions of projects that discharge to a closed or volume sensitive basin, limit the post-development 100-year, 24-hour discharge volume to the pre-development 100-year, 24-hour volume.
- Demonstrate that site will not impede the conveyance of contributing off-site flows.
- Demonstrate that the project will not increase flood stages up- or down-stream of the project area(s).
- Provide equivalent compensating storage for all 100-year, 24-hour floodplain impacts if applicable. Providing cup-for-cup storage in dedicated areas of excavation is the preferred method of compensation, if no impacts to flood conveyance are proposed and storage impacts and compensation occur within the same basin. In this case, tabulations should be provided at 0.5-foot increments to demonstrate encroachment and compensation occur at the same levels. Otherwise, storage modeling will be required to demonstrate no increase in flood stages will occur off-site properties, using the mean annual, 10-year, 25-year, and 100-year storm events for the pre- and post-development conditions.

Water Quality Discussions: (Type of Treatment, Technical Characteristics, Non-presumptive Alternatives, etc.)

- Presumptive Water Quality Treatment for Alterations to Existing Public Roadway Projects:
-Refer to Section 4.5 A.H.V.II for Alterations to Existing Public Roadway Projects.
-Refer to Sections 4.8, 4.8.1 and 4.8.2 A.H.V.II for Compensating Stormwater Treatment, Overtreatment, and Offsite Compensation.
-All co-mingled existing & new impervious that is proposed to be connected to a treatment pond will require treatment for an area equal to the co-mingled existing & new impervious (times ½" for dry treatment or 1" for wet treatment). This applies whether or not equivalent treatment concepts are used.
-However, if equivalent treatment concepts are used it is possible to strategically locate the pond(s) so that the minimum treatment requirement may be for an area equivalent to the new impervious area only. That is, co-mingled existing & new impervious that is not connected to a treatment pond may bypass treatment (as per Section 4.5(2), A.H.V.II); if the 'total impervious area' that is connected to the treatment pond(s) is at least equivalent to the area of new impervious only. The 'total impervious area' that is connected to the pond(s) may be composed of co-mingled existing & new impervious.
-Offsite impervious not required to be treated; but may be useful to be treated when using equivalent treatment concepts.
-Existing treatment capacity displaced by any road project will require additional compensating volume. Refer to Subsection 4.5(c), A.H.V.II.

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-Regional treatment systems can be used if they are strategically placed and benefit the same waters which receive untreated runoff from the project.

- Net improvement
  -Refer to rule 62-330.301(2), F.A.C.
  -Please verify accuracy of WBID boundaries and status of impairment.
  -The application must demonstrate a net improvement for nutrients for discharges into WBID 1443A. Applicant may demonstrate a net improvement for the parameters of concern by performing a pre/post pollutant loading analysis based on existing land use and the proposed land use. Refer to ERP Applicant's Handbook Vol. II Subsection 4.1(g).
  -Effluent filtration is known to be ineffective for treating nutrient related impairments, unless special nutrient adsorption media provided. However, please note special nutrient adsorption media has extremely low conductivity values compared to typical sand type effluent filtration filter media. Note: if treatment volume required for net improvement is less than the treatment volume required for 'presumptive' treatment, then use of effluent filtration is ok.

Sovereign Lands Discussion: (Determining Location, Correct Form of Authorization, Content of Application, Assessment of Fees, Coordination with FDEP)

- The project may be located within state owned sovereign submerged lands (SSSL). Be advised that a title determination will be required from FDEP to verify the presence and/or location of SSSL.
- If use of SSSL is proposed, authorization will be required. Refer to Chapter 18-21, F.A.C. and Chapter 18-20, F.A.C. for guidance on projects that impact SSSL and Aquatic Preserves.
- Include discussion on the potential type of SSSL authorization that may be required. Refer to Chapter 18-21.005, F.A.C.

Operation and Maintenance/Legal Information: (Ownership or Perpetual Control, O&M Entity, O&M Instructions, Homeowner Association Documents, Coastal Zone requirements, etc.)

- The permit must be issued to entity that owns or controls the property. FDOT will be the permittee.
- Provide evidence of ownership or control by deed, easement, contract for purchase, etc.

Application Type and Fee Required:

- SWERP Individual – Sections A, C, and E of the ERP Application. Fee will be dependent upon project size and amount of wetland or surface water impacts.
- Consult the fee schedule for different thresholds.

Other: (Future Pre-Application Meetings, Fast Track, Subdivision, Construction Start Date, Required District Permits – WUP, WOD, Well Construction, etc.)

- An application for an individual permit to construct or alter a dam, impoundment, reservoir, or appurtenant work, requires that a notice of receipt of the application must be published in a newspaper within the affected area. Provide documentation that such noticing has been accomplished. Note that the published notices of receipt for an ERP can be in accordance with the language provided in Rule 40D-1.603(10), F.A.C.

- The plans and drainage report submitted electronically must include the appropriate information required under Rules 61G15-23.005 and 61G15-23.004 (Digital), F.A.C. The following text is required by the Florida Board of Professional Engineers (FBPE) to meet this requirement when a digitally created seal is not used and must appear where the signature would normally appear:

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- Provide soil erosion and sediment control measures for use during construction. Refer to ERP Applicant's Handbook Vol. 1 Part IV Erosion and Sediment Control.
- Demonstrate that excavation of any stormwater ponds does not breach an aquitard (see Subsection 2.1.1, A.H.V.II) such that it would allow for lesser quality water to pass, either way, between the two systems. In those geographical areas of the District where there is not an aquitard present, the depth of the pond(s) shall

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not be excavated to within two (2) feet of the underlying limestone which is part of a drinking water aquifer. [Refer to Subsection 5.4.1(b), A.H.V.II]

- If lowering of SHWE is proposed, then burden is on Applicant to demonstrate no adverse onsite or offsite impacts as per Subsection 3.6, A.H.V.II. Groundwater drawdown 'radius of influence' computations may be required to demonstrate no adverse onsite or offsite impacts. Please note that new roadside swales or deepening of existing roadside swales may result in lowering of SHWE. Proposed ponds with control elevation less than SHWE may result in adverse lowering of onsite or offsite groundwater.

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
RESOURCE REGULATION DIVISION
PRE-APPLICATION MEETING NOTES

FILE NUMBER:

PA 408716

Date:	07/29/2021		
Time:	11:00 am		
Project Name:	FDOT US 98 Widening from SR 54 to US 301		
District Engineer:	Beth Geurink		
District ES:	Al Gagne		
Attendees:	Abdul Waris, Tony Celani, Gregg Hamm, Tech Wells		
County:	Pasco County	**Sec/Twp/Rge:**	11-14,18-20,27-29,34-35/25/21; 2/26/22
Total Land Acreage:		**Project Acreage:**	Not quantified

Prior On-Site/Off-Site Permit Activity:

- Within corridor - none; adjacent - numerous

Project Overview:

- Proposed widening along US 98 from the intersection [illegible] 98 and [illegible] to the intersection of US 301 and Clinton Ave

Environmental Discussion: (Wetlands On-Site, Wetlands on Adjacent Properties, Del[illegible]n, T&E species, Easements, Drawdown Issues, Setbacks, Justification, Elimination/Reduction, Permanent/Temporary Impacts, Sec[illegible]y and Cumulat[illegible]mpacts, Mitigation Options, SHWL, Upland Habitats, Site Visit, etc.)

- Environmental issues were not discussed.
- Please note, the Florida Department of Environm[illegible]tal P[illegible]tecti[illegible]n (FDEP) has assumed the Federal dredge and fill permitting program under section 404 of the Fe[illegible]ral Cle[illegible]n Water Act within certain waters. State 404 Program streamlining intentions direct Ag[illegible]ncy staf[illegible] coordinate joint site visits for overall consistency between the two State programs. As such, Di[illegible]rict staff and the FDEP will need to conduct a joint site visit for evaluation of the wetland/surface water s[illegible]ms proposed for impact. District staff will coordinate with FDEP staff on determining dates/times of joint Ag[illegible]y availability. Upon determination of joint availability, staff will provide the applicant's rep[illegible] with site visit scheduling options.

Site Information Discussion: (SHW Lev[illegible] Floodplain, Tailw[illegible] Conditions, Adjacent Off-Site Contributing Sources, Receiving Waterbody, etc.)

- Upper Hillsborough River/New River Watersheds
- WBIDs need to be independ[illegible]y verified by the [illegible]nsultant - WBIDs discussed in previous PreApp 407957 10/2/2020; PreApp 407789 7/29/[illegible]0
- Possibly discharging to impaired wat[illegible] See F[illegible]EP Map Direct_NAS_BMAP
- May discharge to closed or volume sensiti[illegible]asins for some segments
- Bridge widening over OFWs (Hillsborough River and Withlacoochee River system)
- Provide documentation to support tailwater conditions for quality and quantity design
- Contamination issues may need to be resolved with the FDEP. Refer to earlier Pre App meeting – not discussed again. Check FDEP MapDirect layer for possible contamination points within/adjacent to the project area. FDEP MapDirect Link
  FDEP Contacts:
  - For projects located within Citrus, Hernando, Pasco, Hillsborough, Pinellas, Manatee, Polk and Hardee Counties: Yanisa Angulo yanisa.angulo@floridadep.gov
- District data collection site near proposed bridge widening location SID 17717 Withlacoochee-Hillsborough Overflow (USGS gage 02311000) may be impacted by proposed construction. Contact data.maps@watermatters.org to coordinate relocation/protection of District/USGS data collection site.

Water Quantity Discussions: (Basin Description, Storm Event, Pre/Post Volume, Pre/Post Discharge, etc.)

- Discussion focused on appropriate interpretation of floodplain elevation data with respect to encroachment/compensation calculations at the Hillsborough River crossing, where a 2-foot drop in FEMA elevation occurs across the bridge (elevation 84 to 82). Simplest and adequately conservative approach would be to use the upstream flood elevation to derive encroachment and compensation quantities within the right-of-way on either side of the roadway in this area.

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- Alternatively, a site-specific model for flood stage could be developed using available regression equations for flow determination based on contributing area and/or informed by gage data.
- Demonstrate that the project will not increase flood stages up- or down-stream of the project area(s).
- Watershed Model information may be available for download using the following link: https://watermatters.sharefile.com/d-s8c9019e00fd243908654e733a6b2016c but it appears that the regional model is using set boundary conditions at this location.
- Provide equivalent compensating storage for all 100-year, 24-hour riverine floodplain impacts if applicable. Providing cup-for-cup storage in dedicated areas of excavation is the preferred method of compensation if no impacts to flood conveyance are proposed and storage impacts and compensation occur within the same basin. In this case, tabulations should be provided at 0.5-foot increments to demonstrate encroachment and compensation occur at the same levels. Otherwise, storage modeling will be required to demonstrate no increase in flood stages will occur on off-site properties, using the mean annual, 10-year, 25-year, and 100-year storm events for the pre- and post-development conditions.

Water Quality Discussions: (Type of Treatment, Technical Characteristics, Non-presumptive Alternatives, etc.)

- Provide water quality treatment for directly-connected impervious areas, consistent with the Applicant's Handbook Vol. II for alterations to existing public roadway projects (Section 4.5).
- In addition, if the project discharges to an impaired water body must provide a net environmental improvement.
- Applicant must demonstrate a net improvement for the parameters of concern by performing a pre/post pollutant loading analysis based on existing land use and the proposed land use.
- Refer to Sections 4.8, 4.8.1 and 4.8.2 A.H.V.II for Compensating Stormwater Treatment, Overtreatment, and Offsite Compensation.
- Will acknowledge compensatory treatment to offset pollutant loads associated with portions of the project area that cannot be physically treated.
- Provide additional 50% treatment (over presumptive) for any direct discharges to OFW. Refer to ERP Applicant's Handbook Vol. II Subsection 4.1(f). Where OFW and Net Improvement both apply, provide the greater volume of the two.
  -Effluent filtration is known to be ineffective for treating nutrient related impairments, unless special nutrient adsorption media provided. However, please note special nutrient adsorption media has extremely low conductivity values compared to typical sand type effluent filtration filter media. Note: if treatment volume required for net improvement is less than treatment volume required for 'presumptive' treatment, then use of effluent filtration is ok.

Sovereign Lands Discussion: (Determining Location, Correct Form of Authorization, Content of Application, Assessment of Fees, Coordination with FDEP)

- Not discussed.

Operation and Maintenance/Legal Information: (Ownership or Perpetual Control, O&M Entity, O&M Instructions, Homeowner Association Documents, Coastal Zone requirements, etc.)

- The permit must be issued to entity that owns or controls the property.

Application Type and Fee Required:

- SWERP – Sections A, C, and E of the ERP Application.
- Consult the fee schedule for different thresholds.

Other: (Future Pre-Application Meetings, Fast Track, Submittal Date, Construction Start Date, Required District Permits – WUP, WOD, Well Construction, etc.)

- An application for an individual permit to construct or alter a dam, impoundment, reservoir, or appurtenant work, requires that a notice of receipt of the application must be published in a newspaper within the affected area. Provide documentation that such noticing has been accomplished. Note that the published notices of receipt for an ERP can be in accordance with the language provided in Rule 40D-1.603(10), F.A.C.

- Provide a copy of the legal description (of all applicable parcels within the project area) in one of the following forms:
  a. Deed with complete Legal Description attachment.
  b. Plat.

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c. Boundary survey of the property(ies) with a sketch.

- The plans and drainage report submitted electronically must include the appropriate information required under Rules 61G15-23.005 and 61G15-23.004 (Digital), F.A.C. The following text is required by the Florida Board of Professional Engineers (FBPE) to meet this requirement when a digitally created seal is not used and must appear where the signature would normally appear:

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- Provide soil erosion and sediment control measures for use during construction. Refer to ERP Applicant's Handbook Vol. 1 Part IV Erosion and Sediment Control. FDOT projects may submit the full plan during the construction phase by special permit condition. Recommend basic erosion control measures on the submitted plans with the application.
- Demonstrate that excavation of any stormwater pond does not reach an aquitard (see Subsection 2.1.1, A.H.V.II) such that it would allow for lesser quality water to bypass, either vertically between the two systems. In those geographical areas of the District where there is no aquitard present, the depth of the pond(s) shall not be excavated to within two (2) feet of the underlying limestone which is part of a drinking water aquifer. [Refer to Subsection 5.4.1(b), A.H.V.II]
- If lowering of SHWE is proposed, then burden is on applicant to demonstrate no adverse onsite or offsite impacts as per Subsection 3.6, A.H.V.II. Groundwater drawdown 'radius of influence' computations may be required to demonstrate no adverse onsite or offsite impacts. Please note that new roadside swales or deepening of existing roadside swales may result in lowering of SHWE. Proposed ponds with control elevation less than SHWE may result in adverse lowering of onsite or offsite groundwater.
- On December 17, 2020, the Environmental Protection Agency (EPA) formally transferred permitting authority under CWA Section 404 from the U.S. Army Corps of Engineers (Corps) to the State of Florida for a broad range of water resources within the State. The primary State 404 Program rules are adopted by the Florida Department of Environmental Protection (FDEP) as Chapter 62-331 of the Florida Administrative Code (F.A.C.). While the State 404 Program is a separate permitting program from the Environmental Resource Permitting program (ERP) under Chapter 62-330, F.A.C., and agency action for State 404 Program verifications, notices or permits shall be taken independently from ERP agency action, the FDEP and the Southwest Florida Water Management District (SWFWMD) will be participating in a Joint application Process. Upon submittal of an ERP application that proposes dredge/fill activities in wetlands or surface waters within state assumed waters, the SWFWMD will forward a copy of your application to the FDEP for activities under State 404 jurisdiction. The applicant may choose to have the State 404 Program and ERP agency actions issued concurrently to help ensure consistency and reduce the need for project modifications that may occur when the agency actions are issued at different times. Additional information on the FDEP's 404 delegation can be found at: https://floridadep.gov/water/submerged-lands-environmental-resources-coordination/content/state-404-program

  Additionally, for those projects located in areas where the Corps retains jurisdiction, the applicant is advised that the District will not send a copy of an application that does not qualify for a State Programmatic General Permit (SPGP) to the U.S. Army Corps of Engineers. If a project does not qualify for a SPGP, you will need to apply separately to the Corps using the appropriate federal application form for activities under federal jurisdiction. Please see the Corps' Jacksonville District Regulatory Division Sourcebook for more information about federal permitting. Please call your local Corps office if you have questions about federal permitting. Link: http://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
RESOURCE REGULATION DIVISION
PRE-APPLICATION MEETING NOTES

FILE NUMBER:

PA 408864

Date:	09/23/2021		
Time:	11:00 am		
Project Name:	FDOT US 98 Widening from CR 54 to US 301		
District Engineer:	Beth Geurink		
District ES:	----		
Attendees:	Tony Celani, Gregg Hamm, Tech Wells, James Barber, Scott Brookhart, Amanda Check		
County:	Pasco County	**Sec/Twp/Rge:**	11-14,18-20,27-29,34-35/25/21; 2/26/22
Total Land Acreage:		**Project Acreage:**	Not quantified

Prior On-Site/Off-Site Permit Activity:

- Within corridor - none

Project Overview:

- Meeting for stormwater discussion related to the Brid[illegible]raulic Re[illegible]d no rise

Environmental Discussion: (Wetlands On-Site, Wetlands on Adjacent Pr[illegible]ertie[illegible]lineation, T&E species, Easements, Drawdown Issues, Setbacks, Justification, Elimination/Reduction, Permanent/Temporary Impacts, Secondary and C[illegible]tive Impacts, Mitigation Options, SHWL, Upland Habitats, Site Visit, etc.)

- No Environmental Discussion

Site Information Discussion: (SHW Levels, Floodplain, Tailwate[illegible]onditio[illegible], Adja[illegible]f-Site Contributing Sources, Receiving Waterbody, etc.)

- No discussion

Water Quantity Discussions: (Basin Description, Storm Ev[illegible], Pre/Post [illegible]me[illegible]e/Post Discharge, etc.)

- Discussed approaches for assessing design fl[illegible]ws and stages at the bridge crossing over Hillsborough River- Withlacoochee River overflow.
- Current District models do not cover this portion hy[illegible]ulically
- Gage data available since 1960
- Regression equations attempted[illegible]ut flow pred[illegible]ons too low (cannot account for Withlacoochee contribution)
- Proposing to base design flo[illegible]stages on gage da[illegible]
- Request for FEMA currently ei[illegible]e model ava[illegible]ble – found no data available
- Could use 1D HEC or 2D model for [illegible]lysis of[illegible]idge opening conveyance and transition to pressure flow
- Demonstrate that post-widening peak dis[illegible]es/ flood profile will not cause an adverse impact for a 25-year and 100-year flood frequencies.
- Demonstrate that the project will not increase flood stages up- or down-stream of the project area(s).
-
- Discussed Compensatory Storage approach
- Providing equivalent compensating storage for all 100-year, 24-hour riverine floodplain impacts if applicable. Providing cup-for-cup storage in dedicated areas of excavation is the preferred method of compensation if no impacts to flood conveyance are proposed and storage impacts and compensation occur within the same basin. In this case, tabulations should be provided at 0.5-foot increments to demonstrate encroachment and compensation occur at the same levels.
- Compensation ponds to mitigate linear project fill impacts to be located adjacent to-but outside the existing riverine floodplain with demonstrated hydraulic connection.
- Existing natural hydraulic connectivity crosses properties not owned/controlled by FDOT. Clear documentation in supporting narrative and permit write-up will be required to prevent future development from disconnecting the FP comp ponds from the riverine floodplain in future.

Water Quality Discussions: (Type of Treatment, Technical Characteristics, Non-presumptive Alternatives, etc.)

- Not discussed at this meeting – see previous Pre App notes

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Sovereign Lands Discussion: (Determining Location, Correct Form of Authorization, Content of Application, Assessment of Fees, Coordination with FDEP)

- No Discussion

Operation and Maintenance/Legal Information: (Ownership or Perpetual Control, O&M Entity, O&M Instructions, Homeowner Association Documents, Coastal Zone requirements, etc.)

- No Discussion

Application Type and Fee Required:

- No Discussion, see previous meeting notes.

Other: (Future Pre-Application Meetings, Fast Track, Submittal Date, Construction Start Date, Required District Permits – WUP, WOD, Well Construction, etc.)

- An application for an individual permit to construct or alter a dam, impoundment, reservoir, or appurtenant work, requires that a notice of receipt of the application must be published in a newspaper within the affected area. Provide documentation that such noticing has been accomplished. Note that the published notices of receipt for an ERP can be in accordance with the language provided in Rule 40D-1.603(10), F.A.C.

- Provide a copy of the legal description (of all applicable parcels within the project area) in one of the following forms:
  a. Deed with complete Legal Description attachment
  b. Plat.
  c. Boundary survey of the property(ies) with a sketch

- The plans and drainage report submitted electronically must include the appropriate information required under Rules 61G15-23.005 and 61G15-23.004 (Digital), F.A.C. The following text is required by the Florida Board of Professional Engineers (FBPE) to meet this requirement when a digitally created seal is not used and must appear where the signature would normally appear:

  ELECTRONIC (Manifest): *[NAME] State of Florida, Professional Engineer, License No. [NUMBER] This item has been electronically signed and sealed by [NAME] on the date indicated here using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies*

  DIGITAL: *[NAME] State of Florida, Professional Engineer, License No. [NUMBER]; This item has been digitally signed and sealed by [NAME] on the date indicated here; Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.*
- Provide soil erosion and sediment control measures for use during construction. Refer to ERP Applicant's Handbook Vol. 1 Part IV Erosion and Sediment Control.
- On December 17, 2020, the Environmental Protection Agency (EPA) formally transferred permitting authority under CWA Section 404 from the U.S. Army Corps of Engineers (Corps) to the State of Florida for a broad range of water resources within the State. The primary State 404 Program rules are adopted by the Florida Department of Environmental Protection (FDEP) as Chapter 62-331 of the Florida Administrative Code (F.A.C.). While the State 404 Program is a separate permitting program from the Environmental Resource Permitting program (ERP) under Chapter 62-330, F.A.C., and agency action for State 404 Program verifications, notices, or permits shall be taken independently from ERP agency action, the FDEP and the Southwest Florida Water Management District (SWFWMD) will be participating in a Joint application Process. Upon submittal of an ERP application that proposes dredge/fill activities in wetlands or surface waters within state assumed waters, the SWFWMD will forward a copy of your application to the FDEP for activities under State 404 jurisdiction. The applicant may choose to have the State 404 Program and ERP agency actions issued concurrently to help ensure consistency and reduce the need for project modifications that may occur when the agency actions are issued at different times. Additional information on the FDEP's 404 delegation can be found at: https://floridadep.gov/water/submerged-lands-environmental-resources-coordination/content/state-404-program

  Additionally, for those projects located in areas where the Corps retains jurisdiction, the applicant is advised that the District will not send a copy of an application that does not qualify for a State Programmatic General Permit (SPGP) to the U.S. Army Corps of Engineers. If a project does not qualify for a SPGP, you will need

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to apply separately to the Corps using the appropriate federal application form for activities under federal jurisdiction. Please see the Corps' Jacksonville District Regulatory Division Sourcebook for more information about federal permitting. Please call your local Corps office if you have questions about federal permitting. Link: http://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/

Disclaimer: The District ERP pre-application meeting process is a service made available to the public to assist interested parties in preparing for submittal of a permit application. Information shared at pre-application meetings is superseded by the actual permit application submittal. District permit decisions are based upon information submitted during the application process and Rules in effect at the time the application is complete.

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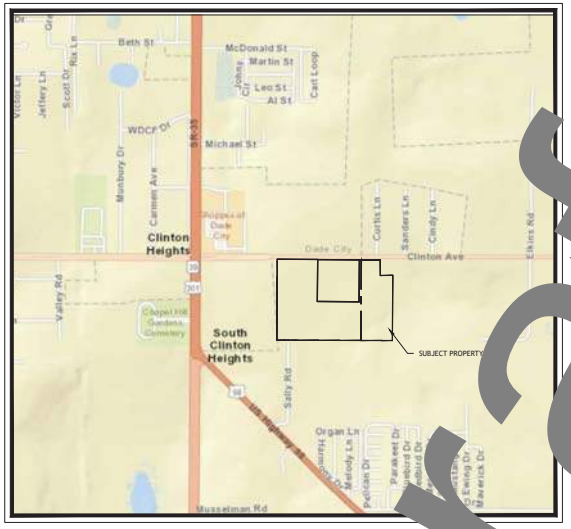
APPENDIX 16
Existing Permits:
44829.0 Clinton Corner Subdivision (approved plans)

Draft

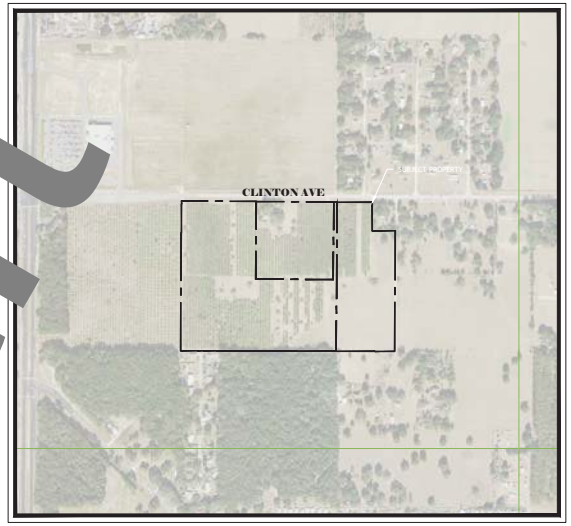
SITE CONSTRUCTION PLANS
FOR
CLINTON CORNER SUBDIVISION
DADE CITY
PASCO COUNTY, FLORIDA
SECTION 11, TOWNSHIP 25S, RANGE 21E

Sheet List Table	
Sheet Number	Sheet Title
C-0	COVER SHEET
C-1.0	CONSTRUCTION NOTES
C-1.1	TYPICAL SECTIONS
C-1.2	OVERALL WITH AERIAL
C-1.3	TRACT EXHIBIT
C-1.4	MODEL HOME PARKING
C-1.5	PRELIMINARY PLAT
C-2.0	MASTER EXISTING CONDITIONS & DEMOLITION PLAN
C-2.1	DETAILED EXISTING CONDITIONS & DEMOLITION PLAN
C-2.2	DETAILED EXISTING CONDITIONS & DEMOLITION PLAN
C-2.3	DETAILED EXISTING CONDITIONS & DEMOLITION PLAN
C-2.4	DETAILED EXISTING CONDITIONS & DEMOLITION PLAN
C-3.0	MASTER SITE PLAN
C-3.1	DETAILED SITE PLAN
C-3.2	DETAILED SITE PLAN
C-3.3	DETAILED SITE PLAN
C-3.4	DETAILED SITE PLAN
C-4.0	MASTER GRADING & DRAINAGE PLAN
C-4.1	DETAILED GRADING & DRAINAGE PLAN
C-4.2	DETAILED GRADING & DRAINAGE PLAN
C-4.3	DETAILED GRADING & DRAINAGE PLAN
C-4.4	DETAILED GRADING & DRAINAGE PLAN
C-4.5	POND & PROPERTY LINE SECTIONS
C-5.0	MASTER UTILITY PLAN
C-5.1	DETAILED UTILITY PLAN
C-5.2	DETAILED UTILITY PLAN
C-5.3	DETAILED UTILITY PLAN
C-5.4	DETAILED UTILITY PLAN
C-5A.1	OFFSITE TURN LANE
C-5A.2	OFFSITE UTILITY STA 1000+00 TO STA 1005+00
C-5A.3	OFFSITE UTILITY STA 1005+00 TO STA 1010+00
C-5A.4	OFFSITE UTILITY STA 1010+00 TO STA 1015+00
C-5A.5	OFFSITE UTILITY STA 1015+00 TO STA 1020+00
C-5A.6	OFFSITE UTILITY STA 1020+00 TO STA 1025+00
C-5A.7	OFFSITE UTILITY STA 1025+00 TO STA 1030+00
C-6.0	PLAN & PROFILE VIEW STA 10+00 TO STA 15+00
C-6.1	PLAN & PROFILE VIEW STA 15+00 TO STA 20+00
C-6.2	PLAN & PROFILE VIEW STA 20+00 TO STA 25+00
C-6.3	PLAN & PROFILE VIEW STA 25+00 TO STA 30+00
C-6.4	PLAN & PROFILE VIEW STA 30+00 TO STA 32+86
C-6.5	PLAN & PROFILE VIEW STA 50+00 TO STA 55+00
C-6.6	PLAN & PROFILE VIEW STA 55+00 TO STA 60+00
C-6.7	PLAN & PROFILE VIEW STA 60+00 TO STA 65+00
C-6.8	PLAN & PROFILE VIEW STA 65+00 TO STA 70+00
C-6.9	PLAN & PROFILE VIEW STA 70+00 TO STA 72+42
C-6.10	PLAN & PROFILE VIEW STA 100+00 TO STA 105+00
C-6.11	PLAN & PROFILE VIEW STA 105+00 TO STA 110+00
C-6.12	PLAN & PROFILE VIEW STA 110+00 TO STA 115+00
C-6.13	PLAN & PROFILE VIEW STA 115+00 TO STA 116+61
C-6.14	PLAN & PROFILE VIEW STA 130+00 TO STA 135+00
C-6.15	PLAN & PROFILE VIEW STA 135+00 TO STA 140+34
C-6.16	PLAN & PROFILE VIEW STA 150+00 TO STA 153+99
C-7.0	MASTER SIGNING & MARKING PLAN
C-7.1	DETAILED SIGNING & MARKING PLAN
C-7.2	DETAILED SIGNING & MARKING PLAN
C-7.3	DETAILED SIGNING & MARKING PLAN
C-7.4	DETAILED SIGNING & MARKING PLAN
C-8.0	CONSTRUCTION DETAILS I
C-8.1	CONSTRUCTION DETAILS II
C-8.2	CONSTRUCTION DETAILS GENERAL I
C-8.3	CONSTRUCTION DETAILS GENERAL II
C-8.4	LIFT STATION DETAILS
C-8.5	UTILITY DETAILS WATER
C-8.6	UTILITY DETAILS SEWER
C-8.7	TRANSPORTATION DETAILS I
C-8.8	TRANSPORTATION DETAILS II
C-8.9	TRANSPORTATION DETAILS III
C-8.10	TRANSPORTATION DETAILS IV
C-8.11	SWPPP

DRAWINGS, DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. For construction permits, the Permittee shall notify the District in writing when construction begins.



LOCATION MAP
N.T.S.



VICINITY MAP
500 0 500
SCALE : 1" = 500'

Draft

LEGAL DESCRIPTION
(derived from Official Records Book 3799, Page 947 of the Public Records of Pasco County, Florida)

Lots 1 through 8, inclusive, Block 13, of W.S. GILLAM'S SUBDIVISION, on Section 11, Township 25 South, Range 21 East, as recorded in Plat Book 1, Page 57, Public Records of Pasco County, Florida; LESS right of way for Clinton Avenue, TOGETHER WITH the West 3/4 of the West 1/2 of the Southwest 1/4 of the Northeast 1/4 of Section 11, Township 25 South, Range 21 East, Pasco County, Florida, LESS the right of way for Clinton Avenue, and being SUBJECT TO an easement for the ingress and egress over and across the East 7.50 feet thereof and being SUBJECT TO a permanent slope easement described as: A portion of Lot 1, Block 13, as shown on the plat of W.S. GILLAM'S SUBDIVISION, also known as LAKE PASADENA LAND COMPANY as recorded in Plat Book 1, Page 57, Public Records of Pasco County, Florida, being further described as follows: Commence at the Northeast corner of the Northwest 1/4 of said Section 11; thence along the East boundary of the

boundary of the South 1/2 of the Northwest 1/4 of said Section 11; thence along said North

distance of 15.77 feet to said West boundary; thence along said West

following parcel:

Commencing at the Northwest corner of the Northeast 1/4 of Section 11, Township 25 South, Range 21 East, Pasco County, Florida, run

the Northwest corner of the South 1/2 of the Northeast 1/4 of said Section 11; thence

Section 11 to the Northeast corner of the West 3/4 of the West 1/2 of the Southwest 1/4 of

South right of way line of Clinton Avenue and the POINT OF BEGINNING of excluded

the West 1/2 of the Southwest 1/4 of the Northeast 1/4 of said Section 11; thence

to the POINT OF BEGINNING.
Subject to the following described easement;
Commence at the Northeast corner of the Northwest 1/4 of said Section 11; thence along

DEVELOPMENT TEAM

DEVELOPER/APPLICANT
CLINTON CORNER LLC
2550 LAKE ELLEN DRIVE
TAMPA, FL 33618
CONTACT: GREG DANA
PHONE: (813) 215-9936
EMAIL: DANADEVELOPMENTLLC@GMAIL.COM

OWNER
IQBAL GROVES INC
161 BUCKTHORN RD
BADEN PA 15005-2561
CONTACT: NADEEM IQBAL
PHONE: (352) 523-2822

ENGINEER
BEACON CIVIL ENGINEERING
8345 GUNN HIGHWAY
TAMPA, FL 33626
CONTACT: LAURIE BURCAW, P.E.
PHONE: (813) 523-7412
EMAIL: LB15@LIVE.COM

SURVEYOR
DC JOHNSON & ASSOCIATES, INC
11911 S CURLEY ST
SAN ANTONIO, FL 33576
CONTACT: ANDREW GETZ
PHONE: (352) 588-2768

ISSUED FOR PERMITTING

DESIGNED BY:	WA	DRAWN BY:	WACY	ISSUE DATE:	8/17/20
CHECKED BY:	TC	APPROVED BY:	LSB	JOB NO.:	19-081

NO.	BY	DATE	REVISION DESCRIPTION

3 WORKING DAYS
BEFORE YOU DIG
CALL SUNSHINE STATE
ONE CALL OF FLORIDA
1-800-432-4770
PASCO COUNTY
UNDERGROUND FACILITIES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, STATE OF FLORIDA, PROFESSIONAL ENGINEER, HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY LAURIE S. BURCAW ON 8/17/20 USING A SHA

COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

LAURIE S. BURCAW, FL PE #46064

BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

FOR
CLINTON CORNER LLC

DADE CITY
PASCO COUNTY, FLORIDA

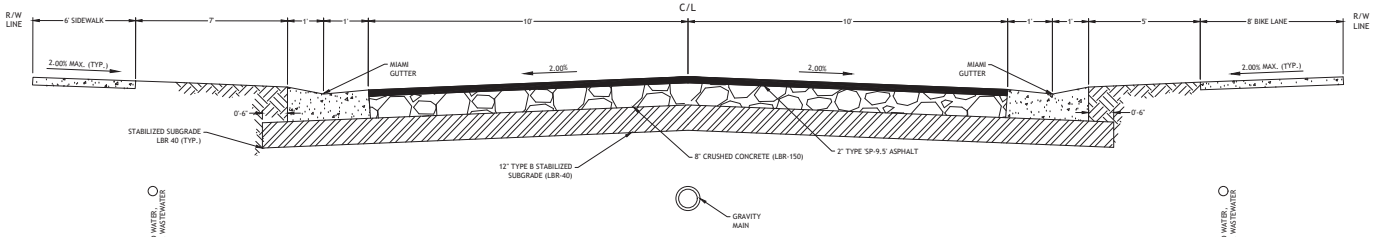
SHEET NAME:
COVER SHEET

SHEET NUMBER:
C-0

B:\Projects\2019\081 Clinton Subdivision\DWGS\CIVIL\081_Clinton_COVERSHEET.dwg

TYPICAL SECTION 1

50' ROW



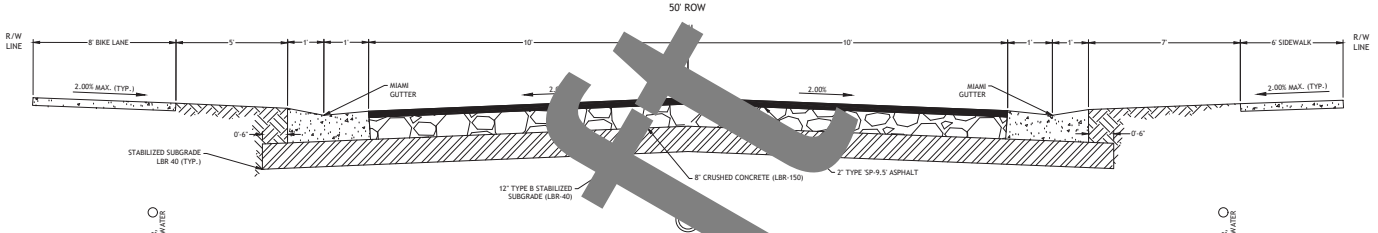
STRUCTURAL NUMBER=2.82
YPE SP-9.5 ASPHALT @ .44 (1.5") = 0.66
CRUSHED CONCRETE @ .15 (8") = 1.20
TYPE B STABILIZED (LBR-40) @ .08 (12") = 0.96

TYPICAL ROADWAY SECTION (RESIDENTIAL)

N.T.S.

TYPICAL SECTION 2

50' ROW

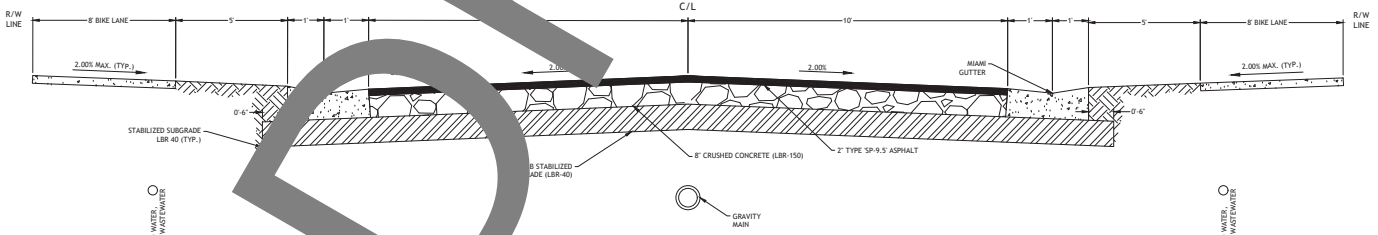


STRUCTURAL NUMBER=2.82
PHALT @ .44 (1.5") = 0.66
TE @ .15 (8" 1.20
Z") = 0.96

ROADWA (RESIDENTIAL)

CAL SECTION 3

50' ROW



STRUCTURAL NUMBER=2.82
YPE SP-9.5 ASPHALT @ .44 (1.5") = 0.66
CRUSHED CONCRETE @ .15 (8") = 1.20
TYPE B STABILIZED (LBR-40) @ .08 (12") = 0.96

TYPICAL ROADWAY SECTION (RESIDENTIAL)

N.T.S.

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DRAWING/DRAWINGS SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD)
For construction permits, the Permittee shall notify the District in writing when construction begins.

ISSUED FOR PERMITTING

NO.	BY	DATE	REVISION DESCRIPTION

DESIGNED BY: MA | DRAWN BY: MACY | APPROVED BY: LSB | JOB NO.: 19-081 | ISSUE DATE: 8/17/20
CHECKED BY: TC

3 WORKING DAYS
BEFORE YOU DIG
CALL SUNSHINE STATE
ONE CALL OF FLORIDA
1-800-432-4770
UNDERGROUND UTILITIES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, STATE OF FLORIDA, PROFESSIONAL ENGINEER, HEREBY CERTIFY THAT THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY LAURIE S. BURCAW ON 8/17/20 USING A SHA AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

LAURIE S. BURCAW, FL PE #46064

BEACON
CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

FOR
CLINTON CORNER LLC

DADE CITY
PASCO COUNTY, FLORIDA

SHEET NAME:
TYPICAL SECTIONS

SHEET NUMBER:
C-1.1

B:\Projects\2019\1981\Civil\1. Submittals\SWFWMD\CivilSet\1981_Clinton_COVERNOTES.dwg

DRAWING/DRAWINGS SUBMITTED FOR PERMITTING ARE/ARE NOT APPROVED BY THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD).
For construction permits, the Permittee shall notify the District in writing when construction begins.

ISSUED FOR PERMITTING

DESIGNED BY:	WA
DRAWN BY:	WACY
CHECKED BY:	TC
APPROVED BY:	LSB
ISSUE DATE:	8/17/20
JOB NO.:	19-081

NO.	BY	DATE	REVISION DESCRIPTION

3 WORKING DAYS
BEFORE YOU DIG
CALL SUNSHINE STATE
ONE CALL OF FLORIDA
1-800-432-4770
FOR LOCATION OF
UNDERGROUND FACILITIES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN A GENERAL MANNER ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, FL PE #46064

BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

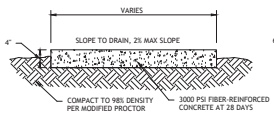
FOR
CLINTON CORNER LLC

DADE CITY
PASCO COUNTY,
FLORIDA

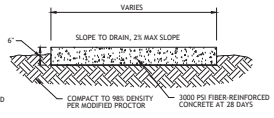
SHEET NAME:
OVERALL WITH AERIAL

SHEET NUMBER:
C-1.2

P:\Projects\2019\19081 Clinton Ave\Drawings\Civil\19081_Clinton_OVERALL-W-AERIAL.dwg



TYPICAL SIDEWALK DETAIL
N.T.S.



TYPICAL 6" SIDEWALK DETAIL IN DRIVEWAY LOCATIONS
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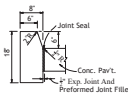
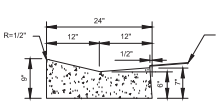
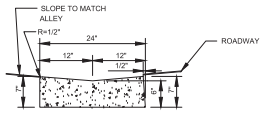


TYPE 'D' CURB
N.T.S.

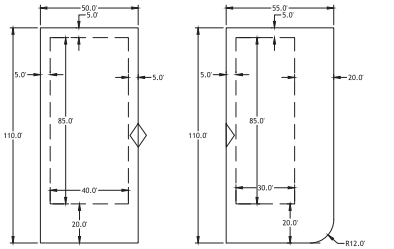


SECTION VIEW

MIAMI CURB
N.T.S.



DROP SECTION VIEW AT ALLEY

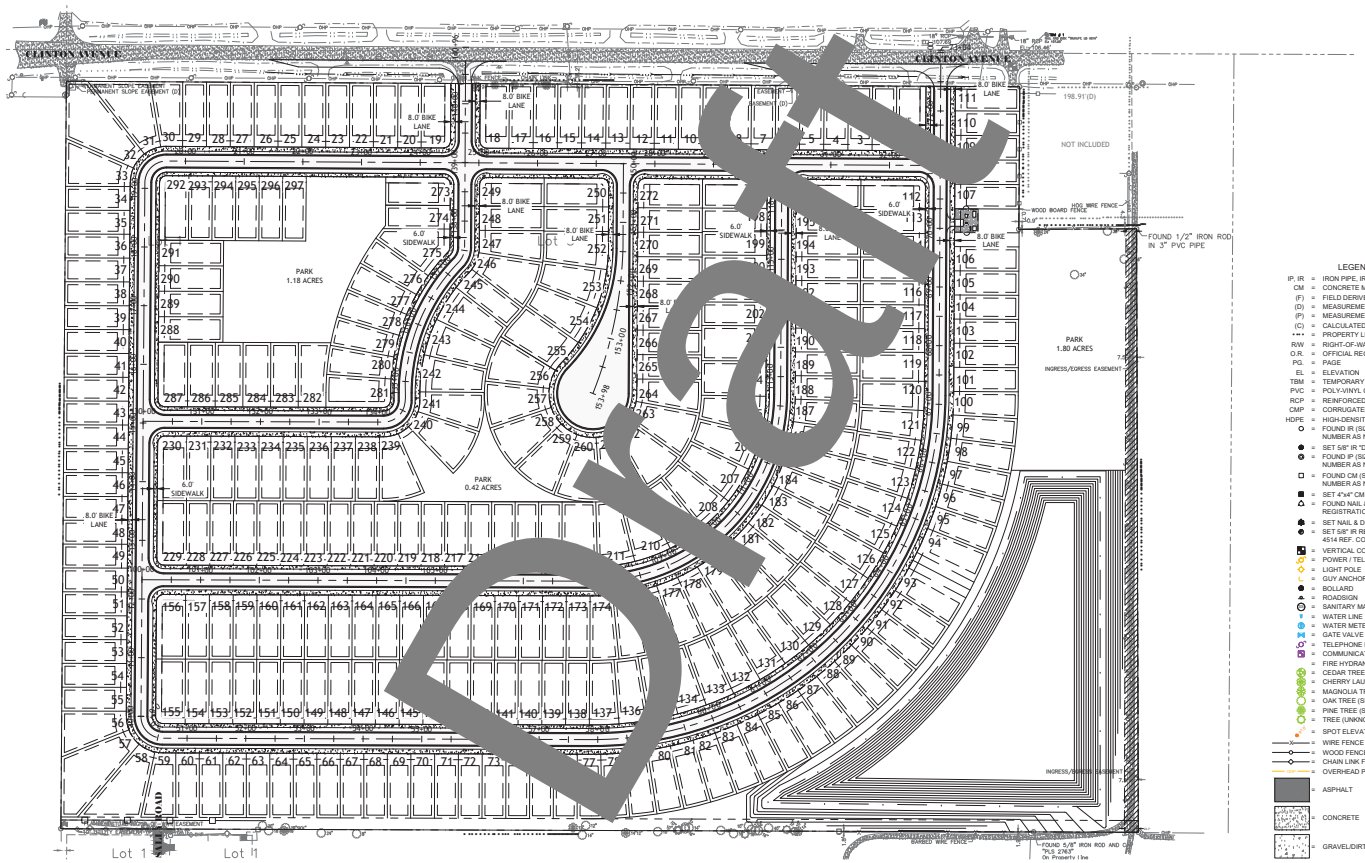


TYPICAL LOT BUILDING ENVELOPE **CORNER LOT BUILDING ENVELOPE**

30 0 30
SCALE : 1" = 30'

N
W — BEACON CIVIL ENGINEERING — E
S

200 100 50 0 100
SCALE : 1" = 100'



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LEGEND

IP, IR	= IRON PIPE, IRON ROD
CM	= CONCRETE MONUMENT
(F)	= FIELD DERIVED MEASUREMENT
(D)	= MEASUREMENT PER DESCRIPTION
(P)	= MEASUREMENT PER PLAT
(C)	= CALCULATED MEASUREMENT
	= PROPERTY LINE, CENTERLINE
R/W	= RIGHT-OF-WAY
O.R.	= OFFICIAL RECORDS BOOK
PG.	= PAGE
EL	= ELEVATION
TBM	= TEMPORARY BENCHMARK
PVC	= POLY-VINYL CHLORIDE PIPE
RCP	= REINFORCED CONCRETE PIPE
CMP	= CORRUGATED METAL PIPE
HDPE	= HIGH-DENSITY POLYETHYLENE PIPE
	= FOUND IR (SIZE & REGISTRATION NUMBER AS NOTED)
	= SET 5/8" IR "DC JOHNSON LB 4514"
	= FOUND IP (SIZE & REGISTRATION NUMBER AS NOTED)
	= FOUND CM (SIZE & REGISTRATION NUMBER AS NOTED)
	= SET 4"x4" CM "LB 4514"
	= FOUND NAIL & DISK (SIZE & REGISTRATION NUMBER AS NOTED)
	= SET NAIL & DISK "LB 4514"
	= SET 5/8" IR REFERENCE CORNER "LB 4514 REF. COR."
	= VERTICAL CONTROL BENCHMARK
	= POWER / TELEPHONE POLE
	= LIGHT POLE
	= GUY ANCHOR
	= BOLLARD
	= ROADSIGN
	= SANITARY MANHOLE
	= WATER LINE
	= WATER METER
	= GATE VALVE - WATER
	= TELEPHONE POLE
	= COMMUNICATION EQUIPMENT BOX
	= FIRE HYDRANT
	= CEDAR TREE (SIZE AS NOTED)
	= CHERRY LAUREL TREE (SIZE AS NOTED)
	= MAGNOLIA TREE (SIZE AS NOTED)
	= OAK TREE (SIZE AS NOTED)
	= PINE TREE (SIZE AS NOTED)
	= TREE (UNKNOWN VARIETY)
	= SPOT ELEVATION
	= WIRE FENCE
	= WOOD FENCE
	= CHAIN LINK FENCE
	= OVERHEAD POWER LINE
	= ASPHALT
	= CONCRETE
	= GRAVEL/DIRT ROAD

SITE DATA

TOTAL SITE AREA:	52.32 AC (2279174.4531 SF)
ZONING JURISDICTION:	PASCO COUNTY
FOLIO #'s:	11-25-21-0040-01300-0011 11-25-21-0040-01300-0010 11-25-21-0000-00500-0000 11-25-21-0000-01400-0000
EXISTING USE:	AGRICULTURE
PROPOSED USE:	SINGLE FAMILY RESIDENTIAL
FLOOD ZONE:	ZONE "X" PER FEMA FIRM PANEL NUMBER:12101C028F DATED 09/26/2014
ZONING:	AC/RMH
FUTURE LAND USE:	RES-6/RES-1
TYPICAL LOT WIDTH:	40'
TYPICAL LOT LENGTH:	110'
TYPICAL LOT AREA:	4,400 SF
TOTAL LOTS:	297

SETBACKS

BUILDING:	REQUIRED:
FRONT:	20'
SIDE:	5'
REAR:	5'

PARKING/LOADING

PARKING CALCULATION:	2/1 UNITS
REQUIRED PARKING:	594 SPACES
PROPOSED PARKING:	594 SPACES (9'x18')
TOTAL PROPOSED PARKING:	594 SPACES

PROPERTY OWNER

IQBAL GROVES INC.
161 BUCKTHORN RD
BADEN PA 15005-2561

ROADWAY DESIGN DATA

ROADWAY TYPE:	TYPE 2
MIN. DESIGN SPEED:	25 MPH
MAX DESIGN SPEED:	35 MPH
PROPOSED SPEED:	30 MPH
R/W WIDTH:	50'
PAVEMENT WIDTH:	24'
# OF LANES:	2
CLEAR ZONE WIDTH:	6'

SITE NOTES

1. ALL WORK SHALL COMPLY WITH ALL GOVERNING JURISDICTIONS, STATE OF FLORIDA, AND FEDERAL CODES AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER.
2. ALL WORK PERFORMED ON CITY, COUNTY, AND/OR STATE OR FEDERAL RIGHT-OF-WAY SHALL BE IN STRICT CONFORMANCE WITH APPLICABLE STANDARDS AND SPECIFICATIONS OF THE APPROPRIATE GOVERNING AGENCIES.
3. ALL DISTURBED AREAS WITHIN SIDEWALK/ CURB AND GUTTER/ ROAD PAVEMENT SHALL BE RESTORED TO ITS ORIGINAL OR BETTER CONDITIONS.
4. THE PROPOSED DEVELOPMENT SHALL NOT IMPACT GROUND AND SURFACE WATER FLOWS ADJACENT TO THE SITE.
5. THE PROPOSED DEVELOPMENT SHALL NOT IMPACT ANY FLOODWAYS ADJACENT TO THE SITE.
6. ALL SIDEWALKS SHALL HAVE A WIDTH OF 5 FEET, UNLESS OTHERWISE NOTED.
7. THERE ARE NO CULTURAL RESOURCES ON THE PROPOSED SITE OR ON ADJACENT PROPERTIES.
8. ROADS & UTILITY INFRASTRUCTURE TO BE DEDICATED TO PASCO COUNTY.
9. COMMON AREAS AND NON-DEDICATED FACILITIES TO BE MANAGED BY HOA.
10. FROM TOPOGRAPHY + USGS QUAD MAP, STORMWATER SHALL RUNOFF TO SOUTH AG POND & DITCH WHICH DRAINS OFFSITE TO CYPRESS CREEK FLOOD DETENTION AREA.
11. NO REGIONAL TRANSIT FACILITIES EXIST AT THIS TIME. BICYCLE AND PEDESTRIAN TRANSIT TO BE PROVIDED THROUGHOUT DEVELOPMENT VIA SIDEWALK AND RECREATIONAL/PARK AREAS

PASCO COUNTY FIRE PROTECTION NOTES

a. ALL PROJECTS MUST COMPLY WITH PASCO COUNTY FIRE HYDRANT ORDINANCE NO. 46-51
b. FIRE HYDRANTS SHALL BE INSTALLED AND IN SERVICE PRIOR TO THE ACCUMULATION OF COMBUSTIBLES.
c. PER THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA-1, 16.4.3.1.3: WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO CONSTRUCTION WORK.
d. PER NFPA-1, 18.3.4.1: CLEARANCES OF 7.5 FEET IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT WITH A 4-FOOT CLEARANCE TO THE REAR MUST BE MAINTAINED AT ALL TIMES.
e. GATED ENTRIES REQUIRE A SIREN OPERATING SYSTEM OR A 3M OPTICOM SYSTEM FOR EMERGENCY ACCESS.

ISSUED FOR PERMITTING

DESIGNED BY:	MA	DRAWN BY:	MACY	ISSUE DATE:	8/17/20
CHECKED BY:	TC	APPROVED BY:	LSB	JOB NO.:	19-081
NO.	BY	DATE	REVISION/DESCRIPTION		

3 WORKING DAYS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770 811 SUNSHINE STATE ONE CALL OF FLORIDA, INC. UNDERGROUND FACILITIES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE TERMS ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL UTILITIES VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AT LEAST 48 HOURS, BUT NOT MORE THAN 5 DAYS, BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, FL PE #46064

BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

FOR CLINTON CORNER LLC

DADE CITY
PASCO COUNTY, FLORIDA

SHEET NAME:
PRELIMINARY PLAT

SHEET NUMBER:
C-1.5

DRAWING/DRAWINGS SHOWN HEREON ARE THE PROPERTY OF BEACON CIVIL ENGINEERING, INC. (BCE) AND ARE NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF BCE. (©BCE)
For construction permits, the Permittee shall notify the District in writing when construction begins.

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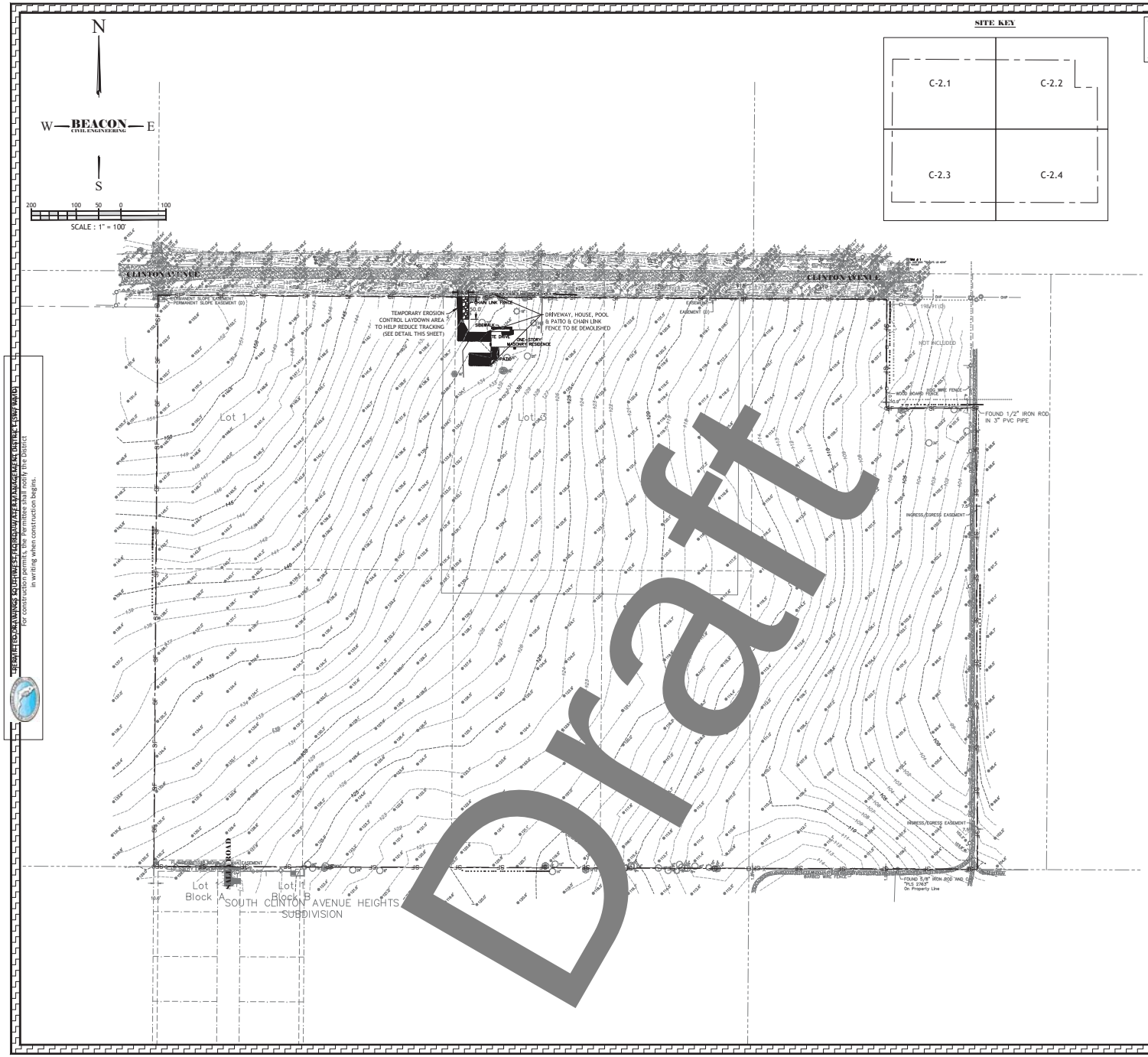

Draft

SITE KEY

CULTURAL RESOURCES NOTE
NO CULTURAL RESOURCES HAVE BEEN IDENTIFIED ON THIS SITE.

LEGEND

- PROPOSED SAW-CUT LIMITS. SEE NEW PAVEMENT INTERFACE DETAIL THIS SHEET
- STONE CONSTRUCTION DRIVE. SEE DETAIL THIS SHEET.
- EXISTING PAVEMENT TO BE REMOVED
- SF — SILT FENCE. SEE DETAIL THIS SHEET.
- CFP — TEMPORARY CONSTRUCTION FENCE. SEE DETAIL THIS SHEET.
- STOCKPILE LOCATION
- T.B.R. TO BE REMOVED
- TREE REMOVAL INDICATOR
- TREE PROTECTION BARRICADE. SEE DETAIL THIS SHEET.
- INLET PROTECTION BARRICADE. SEE DETAIL THIS SHEET.

NOTE: BLACK TONE INDICATES ITEMS TO BE REMOVED/DEMOLISHED. LIGHTER TONE INDICATES EXISTING CONDITION TO REMAIN.

DEMOLITION NOTES

1. ALL ITEMS NOT CALLED OUT TO BE REMOVED/RELOCATED SHALL BE PROTECTED DURING ALL THE PHASES OF CONSTRUCTION UNTIL FINAL ACCEPTANCE BY THE GOVERNING JURISDICTION(S).
2. CONTRACTORS SHALL COORDINATE WITH ALL UTILITY COMPANIES CONCERNING THE ABANDONMENT, RELOCATION AND/OR DEMOLITION OF UTILITIES PRIOR TO CONSTRUCTION. NO WORK IS TO BE PERFORMED ON LIVE LINES UNLESS APPROVED IN WRITING BY THE UTILITY IN ALL CASES. A REPRESENTATIVE FROM THE UTILITY SHALL BE PRESENT FOR INITIAL ABANDONMENT AND/OR LIVE CUTS. CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR UTILITIES AND SHALL PROTECT THEM AT ALL TIMES.
3. THE CONTRACTOR IS FULLY AND COMPLETELY RESPONSIBLE FOR LOCATION , VERIFICATION, PROTECTION, STORAGE, MAINTENANCE, DEMOLITION, REMOVAL, RELOCATION OR ALTERATION OF ALL EXISTING SITE UTILITIES, SITE IMPROVEMENTS, STRUCTURES, OR CONSTRUCTION ELEMENTS AS REQUIRED TO COMPLETE THE WORK THAT ARE SHOWN ON THE PLANS AND OR THAT ARE OBSERVABLE IN THE FIELD, WHETHER CONSPICUOUSLY VISIBLE OR NOT. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING IMPROVEMENTS, UTILITIES, AND SITE CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION.
4. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS WITH ALL DEMOLITION ACTIVITIES. IF ADDITIONAL REQUIREMENTS ARE REQUIRED FOR HAZARDOUS WASTE REMOVAL INCLUDING BUT NOT LIMITED TO ASBESTOS, SEPTIC FIELDS, LEAD, PCB, TCP, OR OTHER WASTE OR CONTAINMENT, IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH MANDATES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE PROCUREMENT OF ALL NECESSARY PERMITS.
6. THE CONTRACTOR SHALL COORDINATE ALL TREE AND LANDSCAPE REMOVAL WITH THE LANDSCAPE PLANS. CONTRACTOR SHALL NOTIFY E.O.R. IF ANY DISCREPANCIES OCCUR BETWEEN THE DEMOLITION PLAN AND THE LANDSCAPE PLANS.
7. SAWCUT DIMENSIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD STAKE AND CONSULT ENGINEER OF RECORD PRIOR TO CONSTRUCTION, IF NECESSARY.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN. ALL REPAIRS SHALL USE NEW MATERIAL. THE REPAIRS SHALL RESTORE THE ITEM TO THE PRE-DEMOLITION CONDITION. SUCH REPAIRS SHALL BE PERFORMED AT THE CONTRACTORS SOLE EXPENSE.
9. THE CONTRACTOR SHALL NOT PERFORM ANY EARTH MOVEMENT ACTIVITIES, DEMOLITION OR REMOVAL OF FOUNDATION WALLS, FOOTINGS, OR OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE UNLESS IT IS IN STRICT ACCORDANCE WITH GOVERNING JURISDICTION(S), THE PROJECT PLANS, AND SPECIFICATIONS.
10. ALL EXCAVATION RESULTING FROM, OR INCIDENTAL TO, DEMOLITION ACTIVITIES SHALL BE BACKFILLED BY THE CONTRACTOR WITH APPROVED MATERIALS, AND SHALL BE SUFFICIENTLY COMPACTED TO SUPPORT NEW IMPROVEMENTS AND IN COMPLIANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT. BACKFILLING SHALL OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES, AND SHALL BE DONE SO AS TO PREVENT WATER ENTERING THE EXCAVATION. FINISHED SURFACES SHALL BE GRADED TO PROMOTE POSITIVE DRAINAGE.
11. THE USE OF EXPLOSIVES IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND ALL APPLICABLE GOVERNMENTAL AUTHORITIES.
12. CONTRACTOR SHALL CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. M.O.T. PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY PRIOR TO THE COMMENCEMENT OF ANY ROAD OPENING OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY.
13. DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT OCCUR OR BE STORED OUTSIDE THE DEFINED PROJECT LIMIT LINE, WITHOUT WRITTEN PERMISSION OF THE OWNER(S) AND ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION.
14. THE CONTRACTOR SHALL USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. ONCE THE DEMOLITION PHASE IS OVER, ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS.
15. THE CONTRACTOR IS RESPONSIBLE FOR SAFEGUARDING THE SITE DURING DEMOLITION/CONSTRUCTION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING AND OTHER APPROPRIATE SAFETY ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY.
17. ALL DEMOLITION WASTE AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES. THE CONTRACTOR SHALL MAINTAIN RECORDS TO PROVE PROPER DISPOSAL ACTIVITIES, TO BE PROVIDED TO THE OWNER UPON REQUEST. UNDER NO CIRCUMSTANCES SHALL DEBRIS BE BURIED ON THE SUBJECT SITE.
18. THE CONTRACTOR SHALL NOT IMPACT ANY WETLANDS THROUGH CONSTRUCTION ACTIVITIES IN ANY WAY UNLESS APPROVED BY E.O.R. AND GOVERNING JURISDICTION(S).
19. BEACON CIVIL ENGINEERING AND THE E.O.R. IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SAFE AND SYSTEMATIC MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS TO ENSURE PUBLIC AND CONTRACTOR SAFETY.
20. THE DEMOLITION PLAN IS INTENDED TO IDENTIFY THE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED, RELOCATED, OR MADE AWARE OF. THE DEMOLITION PLAN DOES NOT PROVIDE DIRECTION AS TO THE MEANS AND METHODS USED TO ACCOMPLISH THAT WORK. ALL MEANS AND METHODS UTILIZED ARE TO BE IN STRICT ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
21. ALL WELLS TO BE ABANDONED BY A FLORIDA LICENSED WATER WELL CONTRACTOR IN ACCORDANCE WITH RULE 40D-3.531 (2) F.A.C.
22. ALL EXISTING AND PROPOSED STORMWATER INLETS SHALL BE PROTECTED FROM EROSION & SEDIMENT DURING ALL PHASES OF CONSTRUCTION. ANY SEDIMENT THAT ENTERS THE EXISTING AND PROPOSED STORMWATER CONVEYANCE SYSTEMS DURING CONSTRUCTION SHALL BE REMOVED PRIOR TO FINALIZING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL EXISTING AND PROPOSED STORMWATER CONVEYANCE SYSTEMS WITHIN THE PROJECT AREA SHALL BE CLEAN AND FREE OF DEBRIS.

UNDERGROUND UTILITIES NOTE
THE UNDERGROUND UTILITIES SHOWN WITHIN THE PLAN SET PROVIDED BY BEACON CIVIL ENGINEERING HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. BEACON CIVIL ENGINEERING MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE OF ALL SUCH UTILITIES IN THE AREA. BEACON CIVIL ENGINEERING FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN WITHIN THE PLAN SET ARE IN THE EXACT LOCATION INDICATED. HOWEVER, BEACON CIVIL ENGINEERING DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.

ENVIRONMENTAL NOTE
THE SUBJECT PLAN SET PRODUCED BY BEACON CIVIL ENGINEERING DO NOT DEPICT ENVIRONMENTAL CONDITIONS OR ANY ASSURANCE REGARDING THE PRESENCE OR ABSENCE OF ENVIRONMENTALLY IMPACTED SITE CONDITIONS. BEACON CIVIL ENGINEERING IS NOT RESPONSIBLE FOR EXPLORATION, TESTING, FINDINGS OR OTHER ENVIRONMENTAL SERVICES RELATED TO, BUT NOT LIMITED TO, THE DETERMINATION OF THE POTENTIAL FOR CHEMICAL, TOXIC, RADIOACTIVE OR OTHER TYPE OF CONTAMINANTS AFFECTING THE PROPERTY FOR THE SUBJECT PROJECT. IF ANY ENVIRONMENTAL CONTAMINATION OR WASTE IS DISCOVERED, THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LAWS AND REGULATIONS.

ISSUED FOR PERMITTING

DESIGNED BY:	MA	DRAWN BY:	MACY	ISSUE DATE:	8/17/23
CHECKED BY:	TC	APPROVED BY:	LSB	JOB NO.:	19-081

NO.	BY	DATE	REVISION/DESCRIPTION

3 WORKING DAYS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770
UNDERGROUND FACILITIES
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES IN THE AREA OF THE PROPOSED EXCAVATION BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, FL PE #46064

BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

FOR CLINTON CORNER LLC

DADE CITY
PASCO COUNTY, FLORIDA

SHEET NAME:
MASTER EXISTING CONDITIONS & DEMOLITION PLAN

SHEET NUMBER:
C-2.0

DRAWING/DRAWINGS SUBMITTED FOR REVIEW ARE NOT TO BE USED FOR CONSTRUCTION.
For construction permits, the Permittee shall notify the District in writing when construction begins.

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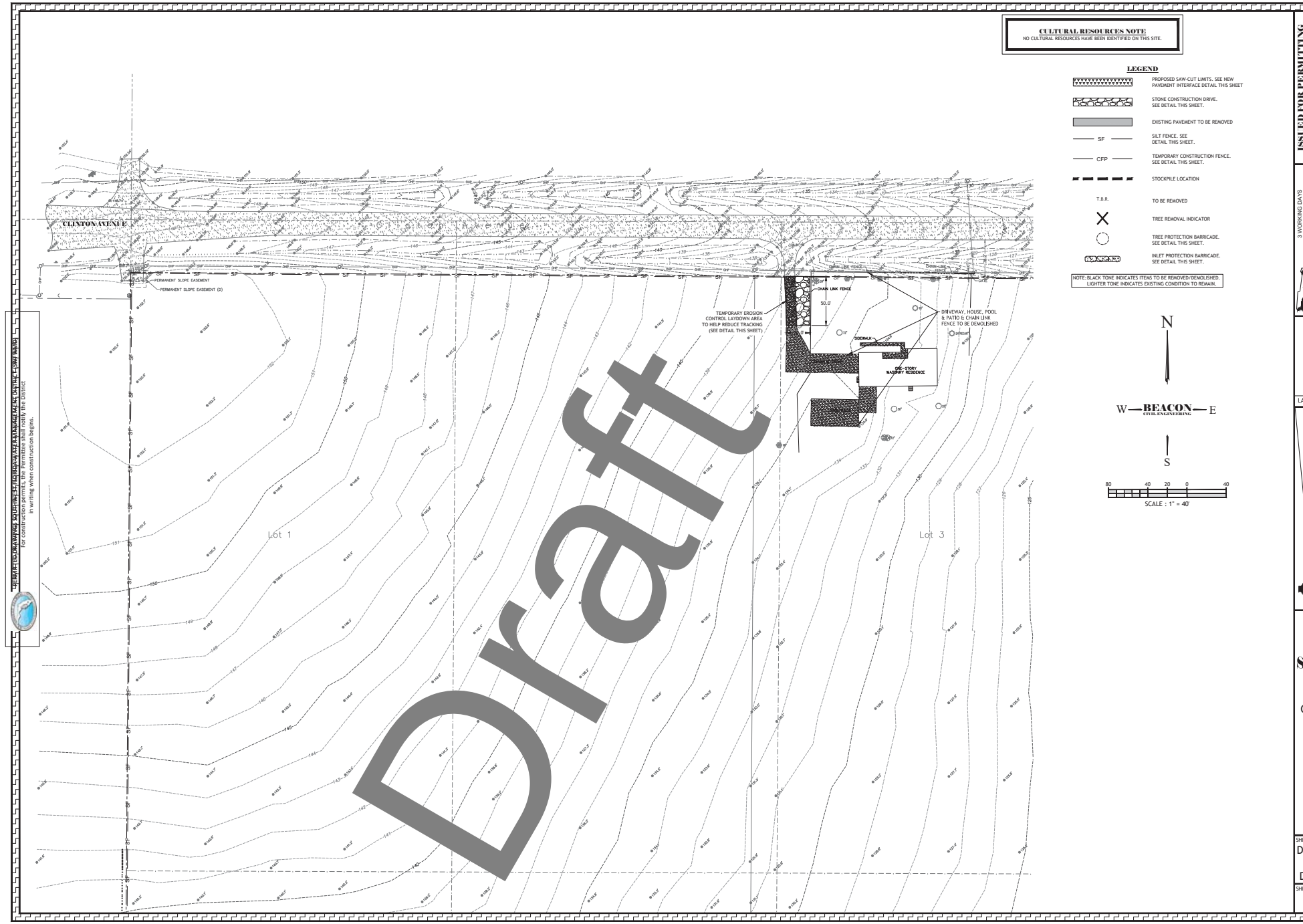

CULTURAL RESOURCES NOTE
NO CULTURAL RESOURCES HAVE BEEN IDENTIFIED ON THIS SITE.

LEGEND

- PROPOSED SAW-CUT LIMITS. SEE NEW PAVEMENT INTERFACE DETAIL THIS SHEET
- STONE CONSTRUCTION DRIVE. SEE DETAIL THIS SHEET.
- EXISTING PAVEMENT TO BE REMOVED
- SF — SILT FENCE. SEE DETAIL THIS SHEET.
- CFP — TEMPORARY CONSTRUCTION FENCE. SEE DETAIL THIS SHEET.
- STOCKPILE LOCATION
- T.B.R. — TO BE REMOVED
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- TREE PROTECTION BARRICADE. SEE DETAIL THIS SHEET.
- INLET PROTECTION BARRICADE. SEE DETAIL THIS SHEET.

NOTE: BLACK TONE INDICATES ITEMS TO BE REMOVED/DEMOLISHED. LIGHTER TONE INDICATES EXISTING CONDITION TO REMAIN.

N
W — BEACON CIVIL ENGINEERING — E
S

80 40 20 0 40
SCALE : 1" = 40'

DRAWING/DOCUMENT SUBMITTED FOR PERMITTING
For construction permits, the Permittee shall notify the District in writing when construction begins.

ISSUED FOR PERMITTING

NO.	BY	DATE	REVISION DESCRIPTION

DESIGNED BY: WA | DRAWN BY: WACY | APPROVED BY: LSB | ISSUE DATE: 8/17/23 | JOB NO.: 19-081

3 WORKING DAYS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770
811
UNDERGROUND FACILITIES

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, FL PE #46064

BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

FOR
CLINTON CORNER LLC

DADE CITY
PASCO COUNTY, FLORIDA

SHEET NAME:
DETAILED EXISTING CONDITIONS & DEMOLITION PLAN

SHEET NUMBER:
C-2.1

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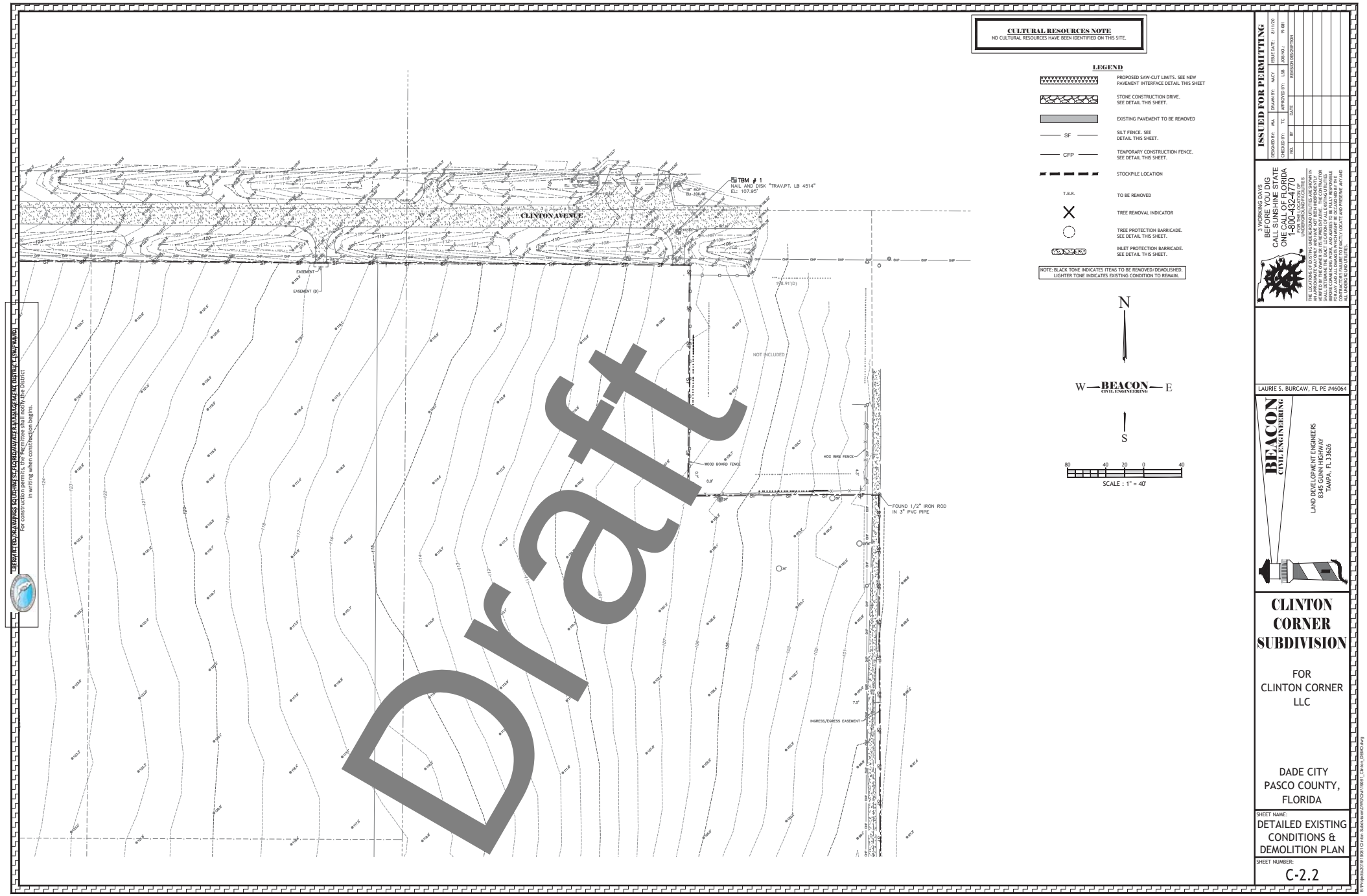
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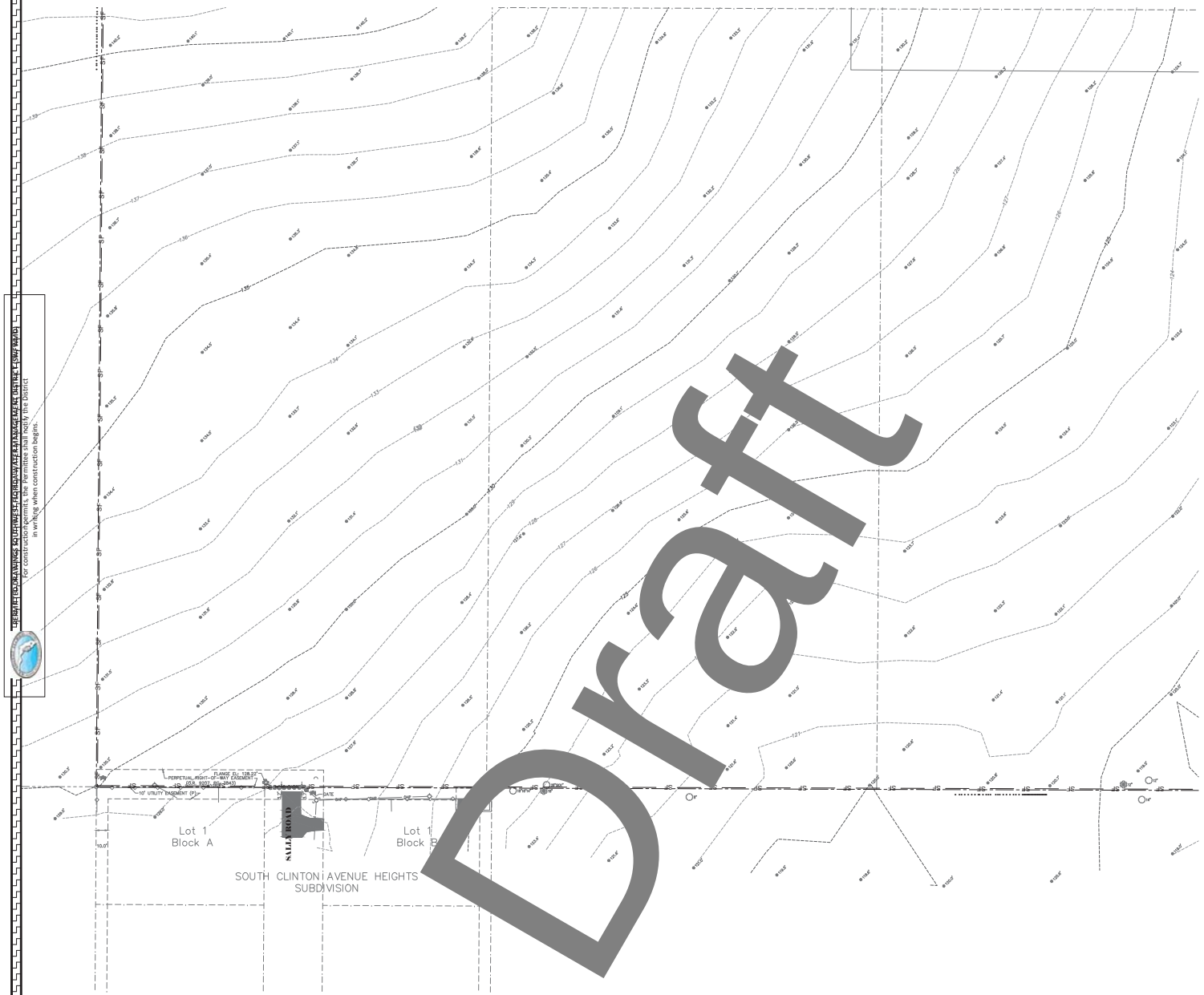
TBM # 1
NAIL AND DISK "TRAV.PT. LB 4514"
EL: 107.95'
CLINTON AVENUE
EASEMENT (D)
NOT INCLUDED
WOOD BOARD FENCE
HOG WIRE FENCE
FOUND 1/2" IRON ROD IN 3" PVC PIPE
INGRESS/EGRESS EASEMENT
N
W BEACON CIVIL ENGINEERING E
S
80 40 20 0 40
SCALE : 1" = 40'
Draft
BY ENTERING INTO THIS DRAWING SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD)
For construction permits, the Permittee shall notify the District in writing when construction begins.
ISSUED FOR PERMITTING
DESIGNED BY: WA
DRAWN BY: WACY
APPROVED BY: LSB
ISSUE DATE: 8/17/20
CHECKED BY: TC
JOB NO.: 19-081
NO. BY DATE REVISION DESCRIPTION
3 WORKING DAYS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770
811
FOR LOCATION OF UNDERGROUND FACILITIES
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
LAURIE S. BURCAW, FL PE #46064
BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626
CLINTON CORNER SUBDIVISION
FOR CLINTON CORNER LLC
DADE CITY
PASCO COUNTY, FLORIDA
SHEET NAME:
DETAILED EXISTING CONDITIONS & DEMOLITION PLAN
SHEET NUMBER:
C-2.2
P:\Projects\2019\19081\Civil\H-Sizes\Half\DWG\CIVIL\19081_C-Clinton_DEMO.dwg

CULTURAL RESOURCES NOTE
NO CULTURAL RESOURCES HAVE BEEN IDENTIFIED ON THIS SITE.



LEGEND

- PROPOSED SAW-CUT LIMITS. SEE NEW PAVEMENT INTERFACE DETAIL THIS SHEET
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N
W — BEACON CIVIL ENGINEERING — E
S

80 40 20 0 40
SCALE : 1" = 40'

DRAWING/DRAWINGS SUBMITTED TO FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND/OR SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD)
For construction permits, the Permittee shall notify the District in writing when construction begins.

ISSUED FOR PERMITTING

NO.	BY	DATE	REVISION DESCRIPTION

DESIGNED BY: WA | DRAWN BY: MCY | CHECKED BY: TC | APPROVED BY: LSB | ISSUE DATE: 8/17/23 | JOB NO.: 19-081

3 WORKING DAYS
BEFORE YOU DIG
CALL SUNSHINE STATE
ONE CALL OF FLORIDA
1-800-432-4770
FOR LOCATION OF UNDERGROUND FACILITIES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, FL PE #46064

BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

FOR
CLINTON CORNER LLC

DADE CITY
PASCO COUNTY, FLORIDA

SHEET NAME:
DETAILED EXISTING CONDITIONS & DEMOLITION PLAN

SHEET NUMBER:
C-2.3

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CULTURAL RESOURCES NOTE
NO CULTURAL RESOURCES HAVE BEEN IDENTIFIED ON THIS SITE.

LEGEND

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- STONE CONSTRUCTION DRIVE. SEE DETAIL THIS SHEET.
- EXISTING PAVEMENT TO BE REMOVED
- SF — SILT FENCE. SEE DETAIL THIS SHEET.
- CFP — TEMPORARY CONSTRUCTION FENCE. SEE DETAIL THIS SHEET.
- STOCKPILE LOCATION
- T.B.R. — TO BE REMOVED
- TREE REMOVAL INDICATOR
- TREE PROTECTION BARRICADE. SEE DETAIL THIS SHEET.
- INLET PROTECTION BARRICADE. SEE DETAIL THIS SHEET.

NOTE: BLACK TONE INDICATES ITEMS TO BE REMOVED/DEMOLISHED. LIGHTER TONE INDICATES EXISTING CONDITION TO REMAIN.

N
W — BEACON CIVIL ENGINEERING — E
S

80 40 20 0 40
SCALE : 1" = 40'

INGRESS/EGRESS EASEMENT
7.5'

BARBED WIRE FENCE

FOUND 5/8" IRON ROD AND CAP "PLS 2763" On Property Line

Draft

DRAWING/DRAWINGS SUBMITTED FOR PERMITTING ARE FOR REVIEW AND APPROVAL BY THE DISTRICT (SWFWMD)
For construction permits, the Permittee shall notify the District in writing when construction begins.

ISSUED FOR PERMITTING

DESIGNED BY:	WA	DRAWN BY:	MACY	ISSUE DATE:	8/17/20
CHECKED BY:	TC	APPROVED BY:	LSB	JOB NO.:	19-081

NO.	BY	DATE	REVISION DESCRIPTION

3 WORKING DAYS
BEFORE YOU DIG
CALL SUNSHINE STATE
ONE CALL OF FLORIDA
1-800-432-4770
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION. THEY HAVE NOT BEEN VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE ACCURACY OF THESE LOCATIONS BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, FL PE #46064

BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

FOR
CLINTON CORNER LLC

DADE CITY
PASCO COUNTY,
FLORIDA

SHEET NAME:
DETAILED EXISTING CONDITIONS & DEMOLITION PLAN

SHEET NUMBER:
C-2.4

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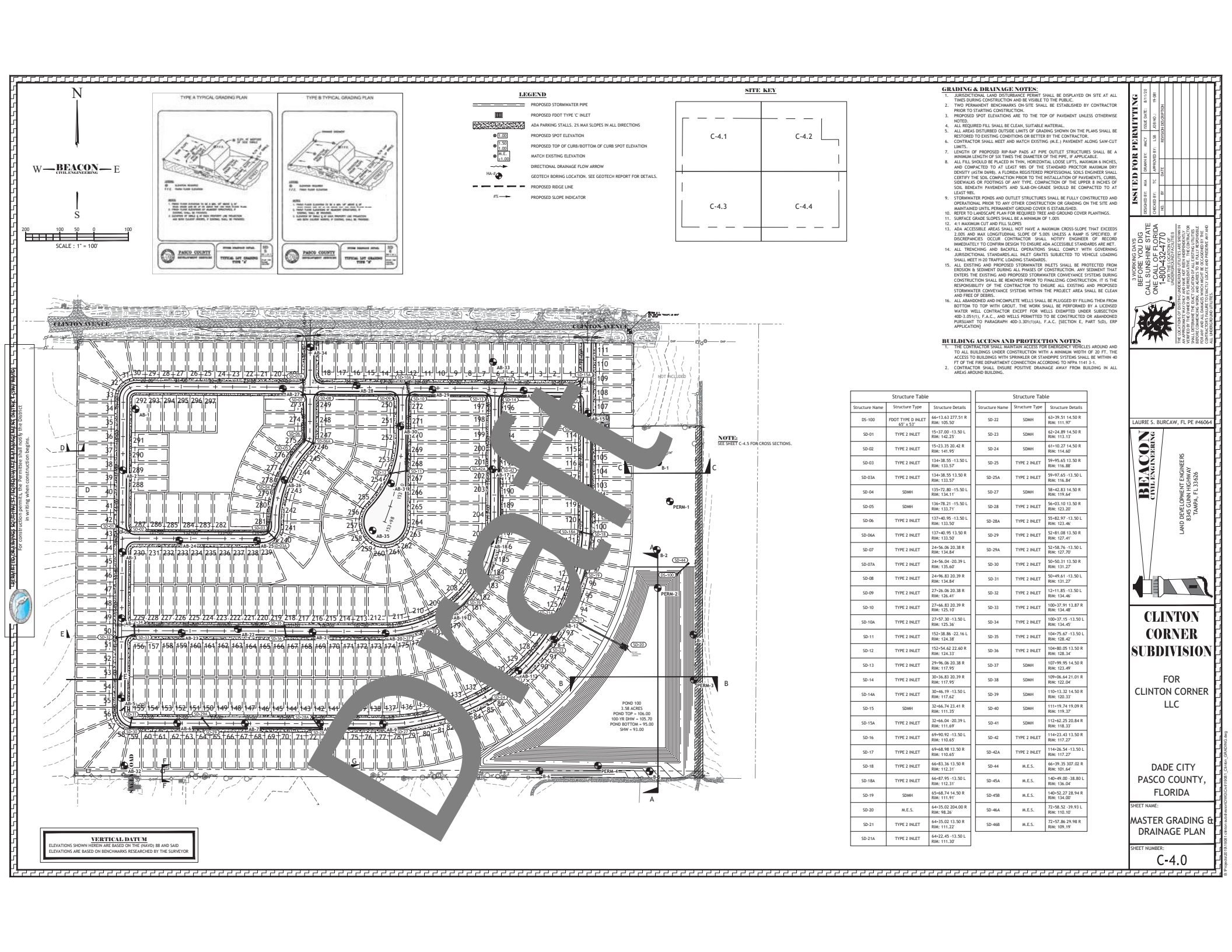

GRADING & DRAINAGE NOTES:

1. JURISDICTIONAL LAND DISTURBANCE PERMIT SHALL BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION AND BE VISIBLE TO THE PUBLIC.
2. TWO PERMANENT BENCHMARKS ON-SITE SHALL BE ESTABLISHED BY CONTRACTOR PRIOR TO STARTING CONSTRUCTION.
3. PROPOSED SPOT ELEVATIONS ARE TO THE TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
4. ALL REQUIRED FILL SHALL BE CLEAN, SUITABLE MATERIAL.
5. ALL AREAS DISTURBED OUTSIDE LIMITS OF GRADING SHOWN ON THE PLANS SHALL BE RESTORED TO EXISTING CONDITIONS OR BETTER BY THE CONTRACTOR.
6. CONTRACTOR SHALL MEET AND MATCH EXISTING (M.E.) PAVEMENT ALONG SAW-CUT LIMITS.
7. LENGTH OF PROPOSED RIP-RAP PADS AT PIPE OUTLET STRUCTURES SHALL BE A MINIMUM LENGTH OF SIX TIMES THE DIAMETER OF THE PIPE, IF APPLICABLE.
8. ALL FILL SHOULD BE PLACED IN THIN, HORIZONTAL LOOSE LIFTS, MAXIMUM 6 INCHES, AND COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698). A FLORIDA REGISTERED PROFESSIONAL SOILS ENGINEER SHALL CERTIFY THE SOIL COMPACTION PRIOR TO THE INSTALLATION OF PAVEMENTS, CURBS, SIDEWALKS OR FOOTINGS OF ANY TYPE. COMPACTION OF THE UPPER 8 INCHES OF SOIL BENEATH PAVEMENTS AND SLAB-ON-GRADE SHOULD BE COMPACTED TO AT LEAST 98%.
9. STORMWATER PONDS AND OUTLET STRUCTURES SHALL BE FULLY CONSTRUCTED AND OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
10. REFER TO LANDSCAPE PLAN FOR REQUIRED TREE AND GROUND COVER PLANTINGS.
11. SURFACE GRADE SLOPES SHALL BE A MINIMUM OF 1.00%
12. 4:1 MAXIMUM CUT AND FILL SLOPES
13. ADA ACCESSIBLE AREAS SHALL NOT HAVE A MAXIMUM CROSS-SLOPE THAT EXCEEDS 2.00% AND MAX LONGITUDINAL SLOPE OF 5.00% UNLESS A RAMP IS SPECIFIED. IF DISCREPANCIES OCCUR CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IMMEDIATELY TO CONFIRM DESIGN TO ENSURE ADA ACCESSIBLE STANDARDS ARE MET.
14. ALL TRENCHING AND BACKFILL OPERATIONS SHALL COMPLY WITH GOVERNING JURISDICTIONAL STANDARDS.ALL INLET GRATES SUBJECTED TO VEHICLE LOADING SHALL MEET H-20 TRAFFIC LOADING STANDARDS.
15. ALL EXISTING AND PROPOSED STORMWATER INLETS SHALL BE PROTECTED FROM EROSION & SEDIMENT DURING ALL PHASES OF CONSTRUCTION. ANY SEDIMENT THAT ENTERS THE EXISTING AND PROPOSED STORMWATER CONVEYANCE SYSTEMS DURING CONSTRUCTION SHALL BE REMOVED PRIOR TO FINALIZING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL EXISTING AND PROPOSED STORMWATER CONVEYANCE SYSTEMS WITHIN THE PROJECT AREA SHALL BE CLEAN AND FREE OF DEBRIS.
16. ALL ABANDONED AND INCOMPLETE WELLS SHALL BE PLUGGED BY FILLING THEM FROM BOTTOM TO TOP WITH GROUT. THE WORK SHALL BE PERFORMED BY A LICENSED WATER WELL CONTRACTOR EXCEPT FOR WELLS EXEMPTED UNDER SUBSECTION 40D-3.051(1), F.A.C., AND WELLS PERMITTED TO BE CONSTRUCTED OR ABANDONED PURSUANT TO PARAGRAPH 40D-3.301(1)(a), F.A.C. [SECTION E, PART 5(D), ERP APPLICATION]

BUILDING ACCESS AND PROTECTION NOTES

1. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES AROUND AND TO ALL BUILDINGS UNDER CONSTRUCTION WITH A MINIMUM WIDTH OF 20 FT. THE ACCESS TO BUILDINGS WITH SPRINKLER OR STANDPIPE SYSTEMS SHALL BE WITHIN 40 FT OF THE FIRE DEPARTMENT CONNECTION ACCORDING TO NFPA 1141 3-1.
2. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDING IN ALL AREAS AROUND BUILDING.

Structure Table		
Structure Name	Structure Type	Structure Details
DS-100	FDOT TYPE D INLET 65' x 53'	66=13.63 277.51 R RIM: 105.50'
SD-01	TYPE 2 INLET	15=37.00 -13.50 L RIM: 142.25'
SD-02	TYPE 2 INLET	15=23.35 20.42 R RIM: 141.95'
SD-03	TYPE 2 INLET	134=38.55 -13.50 L RIM: 133.57'
SD-03A	TYPE 2 INLET	134=38.55 13.50 R RIM: 133.57'
SD-04	SDMH	135=72.80 -15.50 L RIM: 134.11'
SD-05	SDMH	136=78.21 -15.50 L RIM: 133.71'
SD-06	TYPE 2 INLET	137=40.95 -13.50 L RIM: 133.50'
SD-06A	TYPE 2 INLET	137=40.95 13.50 R RIM: 133.50'
SD-07	TYPE 2 INLET	24=56.06 20.38 R RIM: 134.84'
SD-07A	TYPE 2 INLET	24=56.04 -20.39 L RIM: 135.60'
SD-08	TYPE 2 INLET	24=96.83 20.39 R RIM: 134.84'
SD-09	TYPE 2 INLET	27=26.06 20.38 R RIM: 126.41'
SD-10	TYPE 2 INLET	27=66.83 20.39 R RIM: 125.10'
SD-10A	TYPE 2 INLET	27=57.30 -13.50 L RIM: 125.36'
SD-11	TYPE 2 INLET	152=38.86 -22.16 L RIM: 124.38'
SD-12	TYPE 2 INLET	152=54.62 22.60 R RIM: 124.33'
SD-13	TYPE 2 INLET	29=96.06 20.38 R RIM: 117.95'
SD-14	TYPE 2 INLET	30=36.83 20.39 R RIM: 117.95'
SD-14A	TYPE 2 INLET	30=46.19 -13.50 L RIM: 117.62'
SD-15	SDMH	32=66.74 23.41 R RIM: 111.35'
SD-15A	TYPE 2 INLET	32=66.04 -20.39 L RIM: 111.69'
SD-16	TYPE 2 INLET	69=90.92 -13.50 L RIM: 110.65'
SD-17	TYPE 2 INLET	69=68.98 13.50 R RIM: 110.65'
SD-18	TYPE 2 INLET	66=83.36 13.50 R RIM: 112.31'
SD-18A	TYPE 2 INLET	66=87.95 -13.50 L RIM: 112.31'
SD-19	SDMH	65=68.74 14.50 R RIM: 111.91'
SD-20	M.E.S.	64=35.02 204.00 R RIM: 98.26'
SD-21	TYPE 2 INLET	64=35.02 13.50 R RIM: 111.22'
SD-21A	TYPE 2 INLET	64=22.45 -13.50 L RIM: 111.30'

Structure Table		
Structure Name	Structure Type	Structure Details
SD-22	SDMH	63=39.51 14.50 R RIM: 111.97'
SD-23	SDMH	62=24.89 14.50 R RIM: 113.13'
SD-24	SDMH	61=10.27 14.50 R RIM: 114.60'
SD-25	TYPE 2 INLET	59=95.65 13.50 R RIM: 116.88'
SD-25A	TYPE 2 INLET	59=97.65 -13.50 L RIM: 116.84'
SD-27	SDMH	58=42.83 14.50 R RIM: 119.64'
SD-28	TYPE 2 INLET	56=03.10 13.50 R RIM: 123.20'
SD-28A	TYPE 2 INLET	55=82.97 -13.50 L RIM: 123.46'
SD-29	TYPE 2 INLET	52=81.08 13.50 R RIM: 127.41'
SD-29A	TYPE 2 INLET	52=58.76 -13.50 L RIM: 127.70'
SD-30	TYPE 2 INLET	50=50.31 13.50 R RIM: 131.27'
SD-31	TYPE 2 INLET	50=49.61 -13.50 L RIM: 131.27'
SD-32	TYPE 2 INLET	12=11.85 -13.50 L RIM: 134.46'
SD-33	TYPE 2 INLET	100=37.91 13.87 R RIM: 134.48'
SD-34	TYPE 2 INLET	100=37.15 -13.50 L RIM: 134.45'
SD-35	TYPE 2 INLET	104=75.67 -13.50 L RIM: 128.42'
SD-36	TYPE 2 INLET	104=80.05 13.50 R RIM: 128.34'
SD-37	SDMH	107=99.95 14.50 R RIM: 123.49'
SD-38	SDMH	109=06.64 21.01 R RIM: 122.04'
SD-39	SDMH	110=13.32 14.50 R RIM: 120.33'
SD-40	SDMH	111=19.74 19.09 R RIM: 119.37'
SD-41	SDMH	112=62.25 20.84 R RIM: 118.33'
SD-42	TYPE 2 INLET	114=23.43 13.50 R RIM: 117.27'
SD-42A	TYPE 2 INLET	114=26.54 -13.50 L RIM: 117.27'
SD-44	M.E.S.	66=39.35 307.02 R RIM: 101.64'
SD-45A	M.E.S.	140=49.00 -38.80 L RIM: 136.04'
SD-45B	M.E.S.	140=52.27 28.94 R RIM: 134.00'
SD-46A	M.E.S.	72=58.52 -39.93 L RIM: 110.10'
SD-46B	M.E.S.	72=57.86 29.98 R RIM: 109.19'

DRAWINGS, DESIGNS, PLANS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF BEACON CIVIL ENGINEERING. THEY ARE NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF BEACON CIVIL ENGINEERING. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE HEREBY RESERVED. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY BEACON CIVIL ENGINEERING FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO BEACON CIVIL ENGINEERING. USER SHALL INDEMNIFY AND HOLD HARMLESS BEACON CIVIL ENGINEERING FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

DRAWINGS ARE NOT TO BE SCALED. IF ANY DISCREPANCIES ARE FOUND IN THE PLANS, THE PERMITTEE SHALL NOTIFY THE DISTRICT IN WRITING WHEN CONSTRUCTION BEGINS. For construction permits, the Permittee shall notify the District in writing when construction begins.

ISSUED FOR PERMITTING

NO.	BY	DATE	REVISION DESCRIPTION

DESIGNED BY: WIA | DRAWN BY: WACY | ISSUE DATE: 8/17/23
CHECKED BY: TC | APPROVED BY: LSB | JOB NO.: 19-081

3 WORKING DAYS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770
IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT SUNSHINE ONE CALL OF FLORIDA AT 1-800-432-4770 AT LEAST 48 HOURS BUT NOT MORE THAN 5 DAYS BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY COMPLY WITH THESE REQUIREMENTS AND ALL UNDERGROUND UTILITIES

LAURIE S. BURCAW, FL PE #46064

BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

FOR
CLINTON CORNER LLC

DADE CITY
PASCO COUNTY, FLORIDA

SHEET NAME:
MASTER GRADING & DRAINAGE PLAN

SHEET NUMBER:
C-4.0

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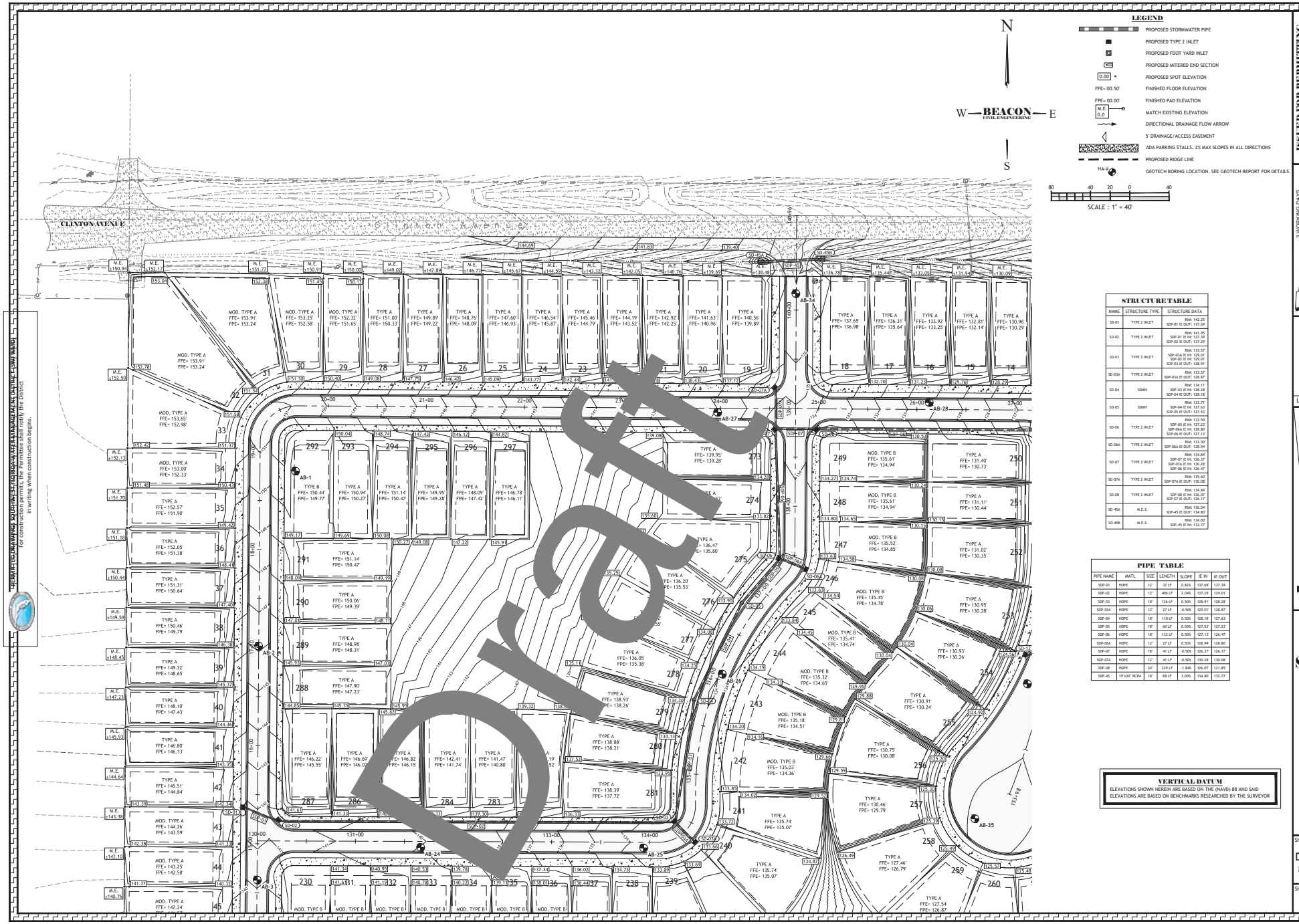


STRUCTURE TABLE		
NAME	STRUCTURE TYPE	STRUCTURE DATA
SD-01	TYPE 2 INLET	RIM: 142.25' SDP-01 IE OUT: 137.69'
SD-02	TYPE 2 INLET	RIM: 141.95' SDP-01 IE IN: 137.39' SDP-02 IE OUT: 137.29'
SD-03	TYPE 2 INLET	RIM: 133.57' SDP-03A IE IN: 129.01' SDP-02 IE IN: 129.01' SDP-03 IE OUT: 128.91'
SD-03A	TYPE 2 INLET	RIM: 133.57' SDP-03A IE OUT: 128.87'
SD-04	SDMH	RIM: 134.11' SDP-03 IE IN: 128.28' SDP-04 IE OUT: 128.18'
SD-05	SDMH	RIM: 133.71' SDP-04 IE IN: 127.63' SDP-05 IE OUT: 127.53'
SD-06	TYPE 2 INLET	RIM: 133.50' SDP-05 IE IN: 127.23' SDP-06A IE IN: 128.80' SDP-06 IE OUT: 127.13'
SD-06A	TYPE 2 INLET	RIM: 133.50' SDP-06A IE OUT: 128.94'
SD-07	TYPE 2 INLET	RIM: 134.84' SDP-07 IE IN: 126.37' SDP-07A IE IN: 130.28' SDP-06 IE IN: 126.47'
SD-07A	TYPE 2 INLET	RIM: 135.60' SDP-07A IE OUT: 130.08'
SD-08	TYPE 2 INLET	RIM: 134.84' SDP-08 IE IN: 126.07' SDP-07 IE OUT: 126.17'
SD-45A	M.E.S.	RIM: 136.04' SDP-45 IE OUT: 134.80'
SD-45B	M.E.S.	RIM: 134.00' SDP-45 IE IN: 132.77'

PIPE TABLE						
PIPE NAME	MATL	SIZE	LENGTH	SLOPE	IE IN	IE OUT
SDP-01	HDPE	12"	37 LF	0.82%	137.69'	137.39'
SDP-02	HDPE	12"	406 LF	2.04%	137.29'	129.01'
SDP-03	HDPE	18"	126 LF	0.50%	128.91'	128.28'
SDP-03A	HDPE	12"	27 LF	-0.50%	129.01'	128.87'
SDP-04	HDPE	18"	110 LF	0.50%	128.18'	127.63'
SDP-05	HDPE	18"	60 LF	0.50%	127.53'	127.23'
SDP-06	HDPE	18"	133 LF	0.50%	127.13'	126.47'
SDP-06A	HDPE	12"	27 LF	0.50%	128.94'	128.80'
SDP-07	HDPE	18"	41 LF	-0.50%	126.37'	126.17'
SDP-07A	HDPE	12"	41 LF	-0.50%	130.28'	130.08'
SDP-08	HDPE	24"	229 LF	-1.84%	126.07'	121.85'
SDP-45	19"x30" RCPA	18"	68 LF	3.00%	134.80'	132.77'

VERTICAL DATUM
ELEVATIONS SHOWN HEREIN ARE BASED ON THE (NAVD) 88 AND SAID ELEVATIONS ARE BASED ON BENCHMARKS RESEARCHED BY THE SURVEYOR

ISSUED FOR PERMITTING

DESIGNED BY:	WA	DRAWN BY:	WACY	ISSUE DATE:	8/11/23
CHECKED BY:	TC	APPROVED BY:	LSB	JOB NO.:	19-081

NO.	BY	DATE	REVISION DESCRIPTION

3 WORKING DAYS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770
SUNSHINE ONE CALL OF FLORIDA, INC. FLORIDA UNDERGROUND FACILITIES

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, FL PE #46064

BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

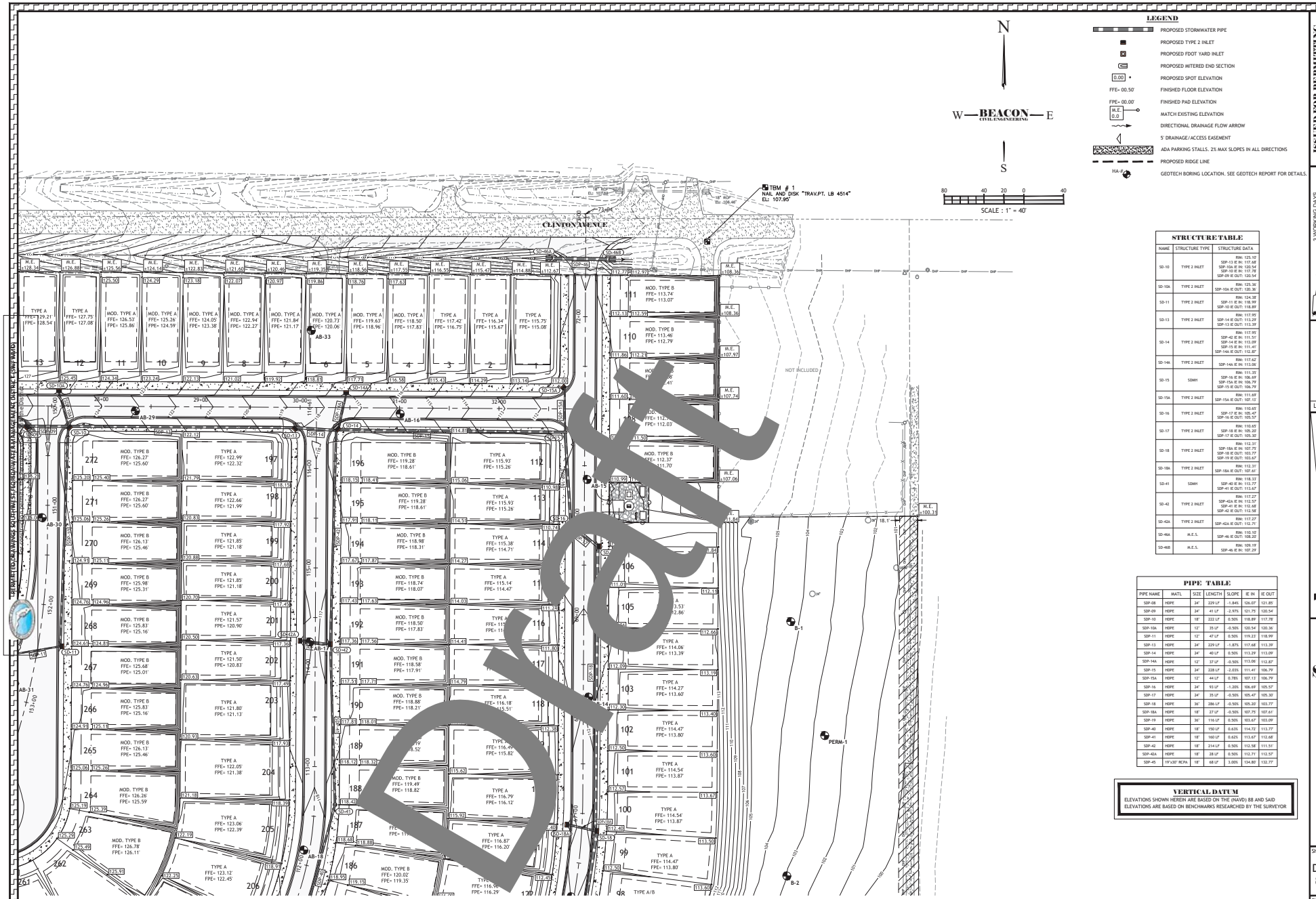
FOR CLINTON CORNER LLC

DADE CITY
PASCO COUNTY, FLORIDA

SHEET NAME:
DETAILED GRADING & DRAINAGE PLAN

SHEET NUMBER:
C-4.1

DRAWING/DRAWINGS SUBMITTED TO FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND/OR SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD) For construction permits, the Permittee shall notify the District in writing when construction begins.



LEGEND

- PROPOSED STORMWATER PIPE
- PROPOSED TYPE 2 INLET
- PROPOSED FDOT YARD INLET
- PROPOSED MITERED END SECTION
- 0.00 • PROPOSED SPOT ELEVATION
- FFE= 00.50' FINISHED FLOOR ELEVATION
- FPE= 00.00' FINISHED PAD ELEVATION
- M.E. 0.0 MATCH EXISTING ELEVATION
- DIRECTIONAL DRAINAGE FLOW ARROW
- 5' DRAINAGE/ACCESS EASEMENT
- ADA PARKING STALLS. 2% MAX SLOPES IN ALL DIRECTIONS
- PROPOSED RIDGE LINE
- HA-6 GEOTECH BORING LOCATION. SEE GEOTECH REPORT FOR DETAILS.

STRUCTURE TABLE

NAME	STRUCTURE TYPE	STRUCTURE DATA
SD-10	TYPE 2 INLET	RIM: 125.10' SDP-10 IE IN: 117.68' SDP-10A IE IN: 120.54' SDP-10 IE IN: 117.78' SDP-09 IE OUT: 120.54'
SD-10A	TYPE 2 INLET	RIM: 125.36' SDP-10A IE OUT: 120.36'
SD-11	TYPE 2 INLET	RIM: 124.38' SDP-11 IE IN: 118.99' SDP-10 IE OUT: 118.89'
SD-13	TYPE 2 INLET	RIM: 117.95' SDP-14 IE OUT: 113.29' SDP-13 IE OUT: 113.39'
SD-14	TYPE 2 INLET	RIM: 117.95' SDP-42 IE IN: 111.93' SDP-14 IE IN: 113.09' SDP-15 IE IN: 113.49' SDP-14A IE OUT: 112.87'
SD-14A	TYPE 2 INLET	RIM: 117.62' SDP-14A IE IN: 113.06'
SD-15	SDMH	RIM: 111.25' SDP-16 IE IN: 106.69' SDP-15A IE IN: 106.79' SDP-15 IE OUT: 106.79'
SD-15A	TYPE 2 INLET	RIM: 111.69' SDP-15A IE OUT: 107.13'
SD-16	TYPE 2 INLET	RIM: 110.65' SDP-17 IE IN: 105.47' SDP-16 IE OUT: 105.57'
SD-17	TYPE 2 INLET	RIM: 110.65' SDP-18 IE IN: 105.20' SDP-17 IE OUT: 105.30'
SD-18	TYPE 2 INLET	RIM: 112.31' SDP-18A IE IN: 107.75' SDP-18 IE OUT: 103.77' SDP-19 IE OUT: 103.67'
SD-18A	TYPE 2 INLET	RIM: 112.31' SDP-18A IE OUT: 107.61'
SD-41	SDMH	RIM: 118.33' SDP-40 IE IN: 113.77' SDP-41 IE OUT: 113.67'
SD-42	TYPE 2 INLET	RIM: 117.27' SDP-42A IE IN: 112.57' SDP-41 IE IN: 112.68' SDP-42 IE OUT: 112.58'
SD-42A	TYPE 2 INLET	RIM: 117.27' SDP-42A IE OUT: 112.71'
SD-46A	M.E.S.	RIM: 110.10' SDP-46 IE OUT: 108.20'
SD-46B	M.E.S.	RIM: 109.19' SDP-46 IE IN: 107.29'

PIPE TABLE

PIPE NAME	MATL	SIZE	LENGTH	SLOPE	IE IN	IE OUT
SDP-08	HDPE	24"	229 LF	-1.84%	126.07'	121.85'
SDP-09	HDPE	24"	41 LF	-2.97%	121.75'	120.54'
SDP-10	HDPE	18"	222 LF	0.50%	118.89'	117.78'
SDP-10A	HDPE	12"	35 LF	-0.50%	120.54'	120.36'
SDP-11	HDPE	12"	47 LF	0.50%	119.23'	118.99'
SDP-13	HDPE	24"	229 LF	-1.87%	117.68'	113.39'
SDP-14	HDPE	24"	40 LF	0.50%	113.29'	113.09'
SDP-14A	HDPE	12"	37 LF	-0.50%	113.06'	112.87'
SDP-15	HDPE	24"	228 LF	-2.03%	111.41'	106.79'
SDP-15A	HDPE	12"	44 LF	0.78%	107.13'	106.79'
SDP-16	HDPE	24"	93 LF	-1.20%	106.69'	105.57'
SDP-17	HDPE	24"	35 LF	-0.50%	105.47'	105.30'
SDP-18	HDPE	36"	286 LF	-0.50%	105.20'	103.77'
SDP-18A	HDPE	18"	27 LF	-0.50%	107.75'	107.61'
SDP-19	HDPE	36"	116 LF	0.50%	103.67'	103.09'
SDP-40	HDPE	18"	150 LF	0.63%	114.72'	113.77'
SDP-41	HDPE	18"	160 LF	0.62%	113.67'	112.68'
SDP-42	HDPE	18"	214 LF	0.50%	112.58'	111.51'
SDP-42A	HDPE	18"	28 LF	0.50%	112.71'	112.57'
SDP-45	19"x30" RCPA	18"	68 LF	3.00%	134.80'	132.77'

VERTICAL DATUM

ELEVATIONS SHOWN HEREIN ARE BASED ON THE (NAVD) 88 AND SAID ELEVATIONS ARE BASED ON BENCHMARKS RESEARCHED BY THE SURVEYOR

ISSUED FOR PERMITTING

DESIGNED BY:	MA	DRAWN BY:	MACY	ISSUE DATE:	8/17/23
CHECKED BY:	TC	APPROVED BY:	LSB	JOB NO.:	19-081

NO.	BY	DATE	REVISION DESCRIPTION

3 WORKING DAYS
BEFORE YOU DIG
CALL SUNSHINE STATE
ONE CALL OF FLORIDA
1-800-432-4770
FOR LOCATION OF
UNDERGROUND FACILITIES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, FL PE #46064

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LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

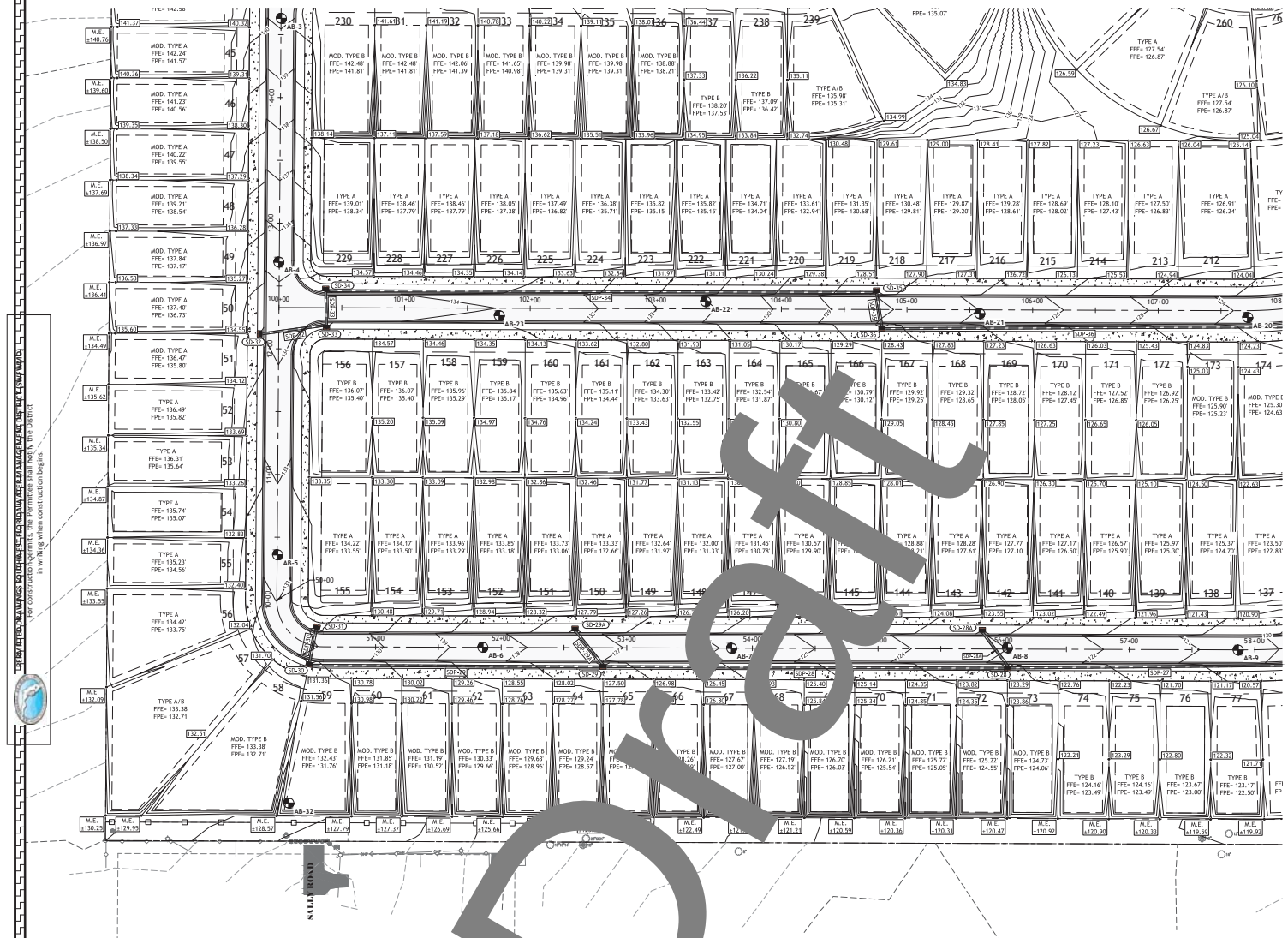
FOR
CLINTON CORNER LLC

DADE CITY
PASCO COUNTY,
FLORIDA

SHEET NAME:
DETAILED GRADING & DRAINAGE PLAN

SHEET NUMBER:
C-4.2

G:\Projects\2019\081\Civil\01-Sub\dwg\SWDO\CIVIL\081_Clinton_GRADING.dwg



LEGEND

- PROPOSED STORMWATER PIPE
- PROPOSED TYPE 2 INLET
- PROPOSED FDOT YARD INLET
- PROPOSED MITERED END SECTION
- 0.00 • PROPOSED SPOT ELEVATION
- FFE= 00.50' FINISHED FLOOR ELEVATION
- FPE= 00.00' FINISHED PAD ELEVATION
- M.E. 0.0 MATCH EXISTING ELEVATION
- DIRECTIONAL DRAINAGE FLOW ARROW
- 5' DRAINAGE/ACCESS EASEMENT
- ADA PARKING STALLS. 2% MAX SLOPES IN ALL DIRECTIONS
- PROPOSED RIDGE LINE
- HA-6 GEOTECH BORING LOCATION. SEE GEOTECH REPORT FOR DETAILS.

N

W — BEACON CIVIL ENGINEERING — E

S

80 40 20 0 40

SCALE : 1" = 40'

STRUCTURE TABLE

NAME	STRUCTURE TYPE	STRUCTURE DATA
SD-28	TYPE 2 INLET	RIM: 123.20' SDP-28 IE IN: 118.61' SDP-27 IE OUT: 118.51' SDP-28A IE OUT: 118.61'
SD-28A	TYPE 2 INLET	RIM: 123.46' SDP-28A IE IN: 118.90'
SD-29	TYPE 2 INLET	RIM: 127.41' SDP-29 IE IN: 122.82' SDP-28 IE OUT: 122.72' SDP-29A IE OUT: 122.95'
SD-29A	TYPE 2 INLET	RIM: 127.70' SDP-29A IE IN: 123.13'
SD-30	TYPE 2 INLET	RIM: 131.27' SDP-30 IE IN: 126.57' SDP-29 IE OUT: 126.47'
SD-31	TYPE 2 INLET	RIM: 131.27' SDP-30 IE OUT: 126.71'
SD-32	TYPE 2 INLET	RIM: 134.40' SDP-32 IE OUT: 129.90'
SD-33	TYPE 2 INLET	RIM: 134.48' SDP-32 IE IN: 129.64' SDP-33 IE OUT: 129.54'
SD-34	TYPE 2 INLET	RIM: 134.45' SDP-33 IE IN: 129.40' SDP-34 IE OUT: 129.30'
SD-35	TYPE 2 INLET	RIM: 128.42' SDP-34 IE IN: 123.80' SDP-35 IE OUT: 123.76'
SD-36	TYPE 2 INLET	RIM: 128.14' SDP-35 IE IN: 123.62' SDP-36 IE OUT: 123.52'

PIPE TABLE

PIPE NAME	MATL	SIZE	LENGTH	SLOPE	IE IN	IE OUT
SDP-28	HDPE	18"	319 LF	1.29%	122.72'	118.61'
SDP-28A	HDPE	18"	36 LF	-0.81%	118.90'	118.61'
SDP-29	HDPE	18"	230 LF	1.58%	126.47'	122.82'
SDP-29A	HDPE	18"	36 LF	0.50%	123.13'	122.95'
SDP-30	HDPE	18"	27 LF	0.50%	126.71'	126.57'
SDP-32	HDPE	18"	32 LF	0.50%	129.90'	129.64'
SDP-33	HDPE	18"	27 LF	0.50%	129.54'	129.40'
SDP-34	HDPE	18"	439 LF	1.24%	129.30'	123.80'
SDP-35	HDPE	18"	27 LF	0.50%	123.76'	123.62'

VERTICAL DATUM

ELEVATIONS SHOWN HEREIN ARE BASED ON THE (NAVD) 88 AND SAID ELEVATIONS ARE BASED ON BENCHMARKS RESEARCHED BY THE SURVEYOR

Draft

DRAWING NOTICE
DRAWING SUBJECT TO SFWMD ERP APPLICATION NO. 191001-4 (SWM) AND ACOE PERMIT NO. SAJ-2019-02744 (IP-TMB)
For construction permits, the Permittee shall notify the District in writing when construction begins.

ISSUED FOR PERMITTING

NO.	BY	DATE	REVISION DESCRIPTION

DESIGNED BY: LSB | DRAWN BY: MACY | APPROVED BY: MA | CHECKED BY: TC | JOB NO.: 19-081 | ISSUE DATE: 8/11/20

3 WORKING DAYS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770 811 SUNSHINE STATE ONE CALL OF FLORIDA, INC. UNDERGROUND FACILITIES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, FL PE #46064

BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

FOR CLINTON CORNER LLC

DADE CITY
PASCO COUNTY, FLORIDA

SHEET NAME:
DETAILED GRADING & DRAINAGE PLAN

SHEET NUMBER:
C-4.3

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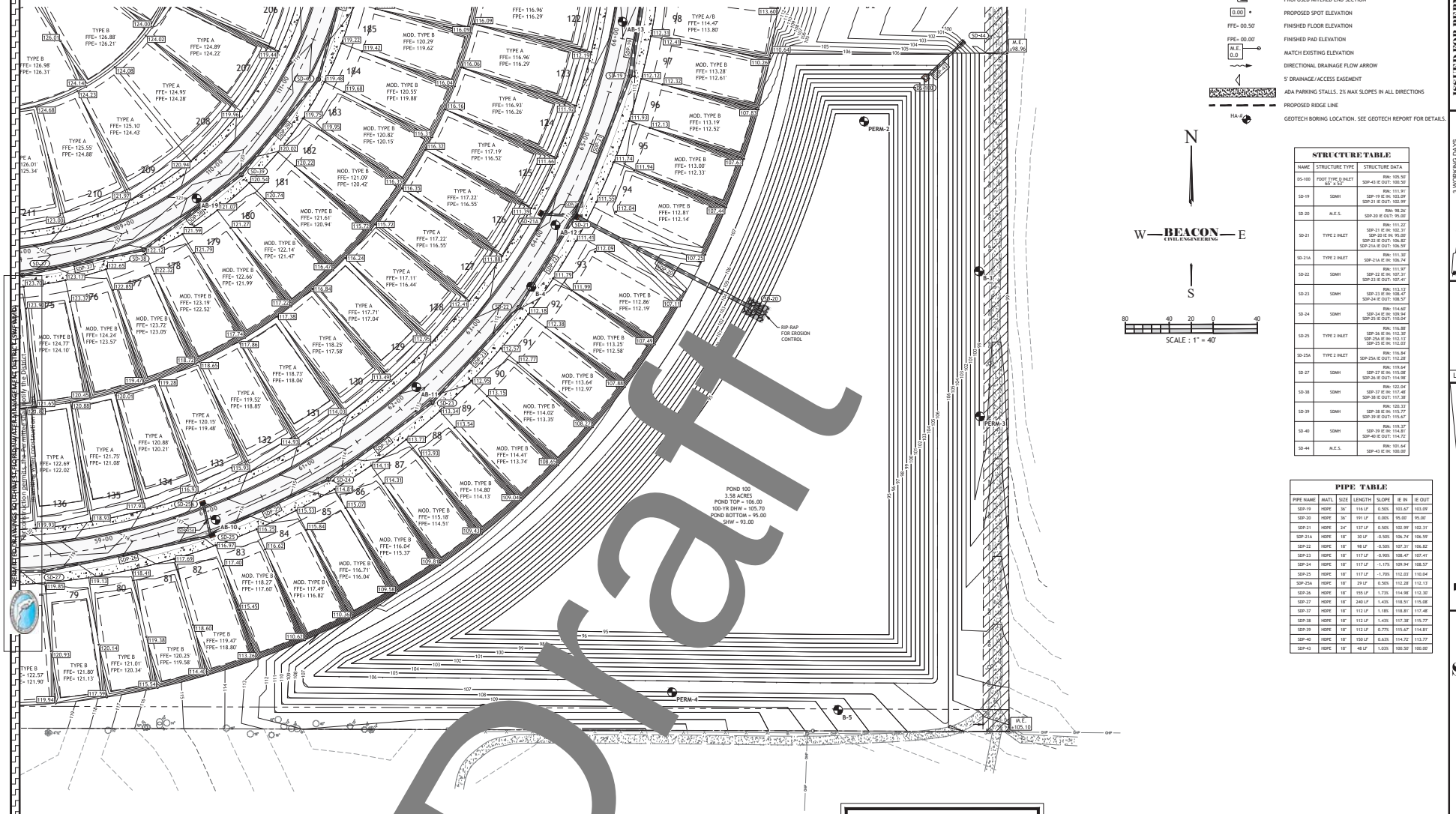

STRUCTURE TABLE

NAME	STRUCTURE TYPE	STRUCTURE DATA
DS-100	FDOT TYPE D INLET 65' x 53'	RIM: 105.50 SDP-43 IE OUT: 100.50
SD-19	SDMH	RIM: 111.91 SDP-19 IE IN: 103.09 SDP-21 IE OUT: 102.99
SD-20	M.E.S.	RIM: 98.26 SDP-20 IE OUT: 95.00
SD-21	TYPE 2 INLET	RIM: 111.22 SDP-21 IE IN: 102.31 SDP-20 IE IN: 95.00 SDP-22 IE OUT: 106.82 SDP-21A IE OUT: 106.59
SD-21A	TYPE 2 INLET	RIM: 111.32 SDP-21A IE IN: 106.74
SD-22	SDMH	RIM: 111.97 SDP-22 IE IN: 107.31 SDP-23 IE OUT: 107.41
SD-23	SDMH	RIM: 113.12 SDP-23 IE IN: 108.47 SDP-24 IE OUT: 108.57
SD-24	SDMH	RIM: 114.60 SDP-24 IE IN: 109.94 SDP-25 IE OUT: 110.04
SD-25	TYPE 2 INLET	RIM: 116.88 SDP-26 IE IN: 112.30 SDP-25A IE IN: 112.12 SDP-25 IE IN: 112.02
SD-25A	TYPE 2 INLET	RIM: 116.84 SDP-25A IE OUT: 112.28
SD-27	SDMH	RIM: 119.64 SDP-27 IE IN: 115.08 SDP-26 IE OUT: 114.98
SD-38	SDMH	RIM: 122.04 SDP-37 IE IN: 117.48 SDP-38 IE OUT: 117.38
SD-39	SDMH	RIM: 120.33 SDP-38 IE IN: 115.77 SDP-39 IE OUT: 115.67
SD-40	SDMH	RIM: 119.37 SDP-39 IE IN: 114.87 SDP-40 IE OUT: 114.72
SD-44	M.E.S.	RIM: 101.64 SDP-43 IE IN: 100.00

PIPE TABLE

PIPE NAME	MATL	SIZE	LENGTH	SLOPE	IE IN	IE OUT
SDP-19	HDPE	36"	116 LF	0.50%	103.67	103.09
SDP-20	HDPE	36"	191 LF	0.00%	95.00	95.00
SDP-21	HDPE	24"	137 LF	0.50%	102.99	102.31
SDP-21A	HDPE	18"	30 LF	-0.50%	106.74	106.59
SDP-22	HDPE	18"	98 LF	-0.90%	107.31	106.82
SDP-23	HDPE	18"	117 LF	-0.90%	108.47	107.41
SDP-24	HDPE	18"	117 LF	-1.17%	109.94	108.57
SDP-25	HDPE	18"	117 LF	-1.70%	112.02	110.04
SDP-25A	HDPE	18"	29 LF	0.50%	112.28	112.13
SDP-26	HDPE	18"	155 LF	1.73%	114.98	112.30
SDP-27	HDPE	18"	240 LF	1.43%	118.51	115.08
SDP-37	HDPE	18"	112 LF	1.18%	118.81	117.48
SDP-38	HDPE	18"	112 LF	1.43%	117.38	115.77
SDP-39	HDPE	18"	112 LF	0.77%	115.67	114.81
SDP-40	HDPE	18"	150 LF	0.63%	114.72	113.77
SDP-43	HDPE	18"	48 LF	1.03%	100.50	100.00

ISSUED FOR PERMITTING

NO.	BY	DATE	REVISION DESCRIPTION

DESIGNED BY: MA | DRAWN BY: MACY | ISSUE DATE: 8/17/23
CHECKED BY: TC | APPROVED BY: LSB | JOB NO.: 19-081

3 WORKING DAYS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770
POSITIVE RESPONSE
UNDERGROUND FACILITIES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, FL PE #46064

BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

FOR
CLINTON CORNER LLC

DADE CITY
PASCO COUNTY, FLORIDA

SHEET NAME:
DETAILED GRADING & DRAINAGE PLAN

SHEET NUMBER:
C-4.4

Draft

DRAWING(S) AND OTHER DOCUMENTS REPRESENTING DESIGNS INCORPORATED INTO THIS PROJECT (THE "PROJECT"), WHETHER IN HARD COPY OR ELECTRONIC FORM, ARE AND SHALL REMAIN THE PROPERTY OF BEACON CIVIL ENGINEERING. THE USE OF THESE DRAWING(S) AND SPECIFICATIONS ON THIS PROJECT IS LIMITED TO THE ORIGINAL SITE PLAN FOR THIS PROJECT. THEY ARE NOT TO BE USED BY ANY PERSON ON ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN PERMISSION OF BEACON CIVIL ENGINEERING.

Printed by pmills. The user name, date and time are recorded by the Digital Signature(s) on this document.

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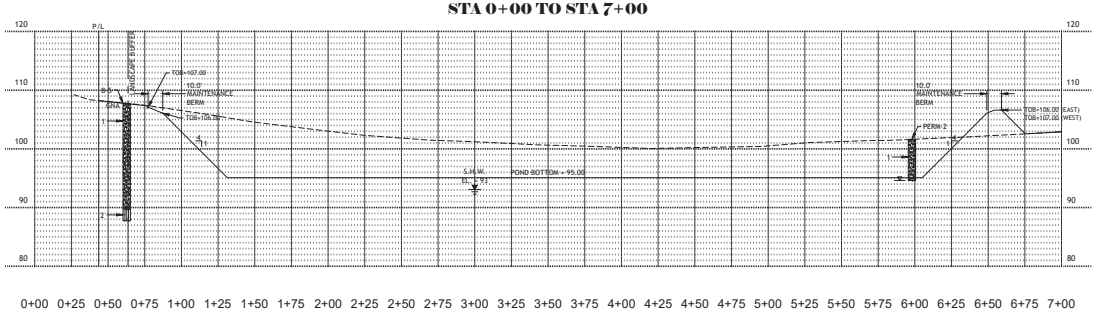
POND-SEC-A-A
STA 0+00 TO STA 7+00



POND-SEC-B-B
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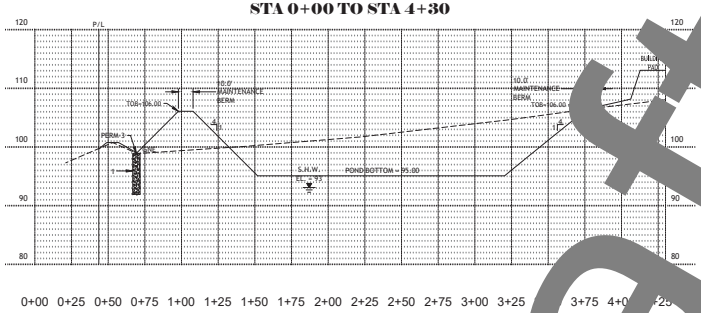

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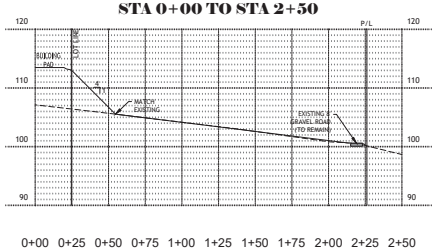

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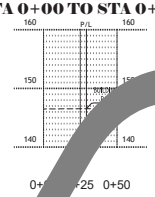

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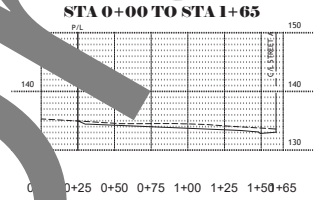

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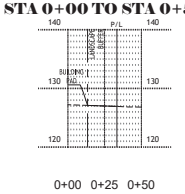

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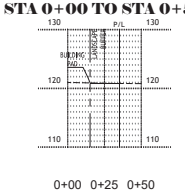


LEGEND

1 GRAY TO BROWN SAND TO SAND WITH SILT (SP/SP-SM)
2 BROWN TO BARK BROWN SILTY SAND (SM)
3 LIGHT GRAY TO PALE BROWN TO BROWN SILTY CLAYEY SAND (SM-SC/SC
4 ORANGE BROWN TO GRAY CLAY (CL/CH)
5 CALCAREOUS SILT TO CLAY TO WEATHERED LIMESTONE

A - WITH LIMESTONE FRAGMENTS
B - WITH WOOD AND GLASS FRAGMENTS
GROUNDWATER LEVEL ENCOUNTERED DURING INVESTIGATION
ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
GNE - GROUNDWATER TABLE NOT ENCOUNTERED

Draft

DERIVED DRAWINGS SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD)
For construction permits, the Permittee shall notify the District in writing when construction begins.

ISSUED FOR PERMITTING

DESIGNED BY:	MIA	DRAWN BY:	MACY	ISSUE DATE:	8/11/20
CHECKED BY:	TC	APPROVED BY:	LSB	JOB NO.:	19-081

NO.	BY	DATE	REVISION DESCRIPTION

3 WORKING DAYS
BEFORE YOU DIG
CALL SUNSHINE STATE
ONE CALL OF FLORIDA
1-800-432-4770
FOR THE LOCATION OF UNDERGROUND UTILITIES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LAURIE S. BURCAW, FL PE #46064

BEACON CIVIL ENGINEERING
LAND DEVELOPMENT ENGINEERS
8345 GUNN HIGHWAY
TAMPA, FL 33626

CLINTON CORNER SUBDIVISION

FOR
CLINTON CORNER
LLC

DADE CITY
PASCO COUNTY,
FLORIDA

SHEET NAME:
POND & PROPERTY LINE SECTIONS

SHEET NUMBER:
C-4.5

B:\Projects\2019\19081 clinton subdivision\DWG\Civil\19081_Clinton_GRADING.dwg

LEGAL DESCRIPTION:

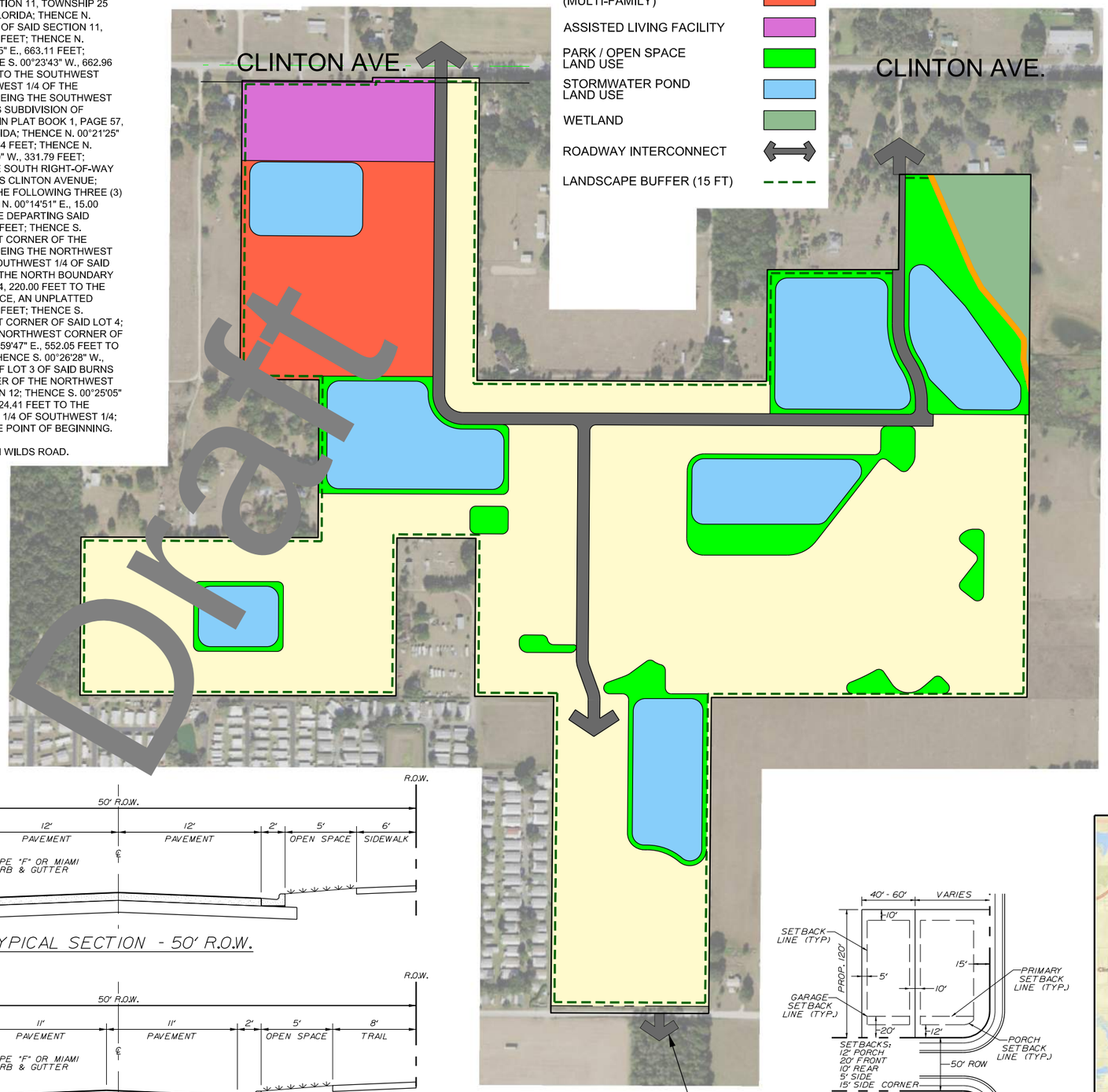
A PORTION OF SECTION 11 AND SECTION 12, TOWNSHIP 25 SOUTH, RANGE 21 EAST, PASCO COUNTY, FLORIDA. BEING FURTHER DESCRIBED AS FOLLOWS:

BEGIN AT THE SOUTHEAST CORNER OF SECTION 11, TOWNSHIP 25 SOUTH, RANGE 21 EAST, PASCO COUNTY, FLORIDA; THENCE N. 89°45'09" W., ALONG THE SOUTH BOUNDARY OF SAID SECTION 11, 662.70 FEET; THENCE N. 00°30'51" E., 1327.54 FEET; THENCE N. 89°42'44" W., 331.10 FEET; THENCE N. 00°25'15" E., 663.11 FEET; THENCE N. 89°44'13" W., 331.39 FEET; THENCE S. 00°23'43" W., 662.96 FEET; THENCE N. 89°52'34" W., 1325.58 FEET TO THE SOUTHWEST CORNER OF THE SOUTH 1/2 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 11 ALSO BEING THE SOUTHWEST CORNER OF LOT 5, BLOCK 14, W. S. GILLAM'S SUBDIVISION OF PASADENA LAND COMPANY, AS RECORDED IN PLAT BOOK 1, PAGE 57, PUBLIC RECORDS OF PASCO COUNTY, FLORIDA; THENCE N. 00°21'25" E., 663.83 FEET; THENCE S. 89°51'38" E., 994.84 FEET; THENCE N. 00°20'55" E., 662.86 FEET; THENCE N. 89°47'20" W., 331.79 FEET; THENCE N. 00°25'56" E., 1254.44 FEET TO THE SOUTH RIGHT-OF-WAY LINE OF COUNTY ROAD 52-A ALSO KNOWN AS CLINTON AVENUE; THENCE ALONG SAID RIGHT-OF-WAY LINE THE FOLLOWING THREE (3) COURSES; (1) S. 89°45'09" E., 546.88 FEET; (2) N. 00°14'51" E., 15.00 FEET; (3) S. 89°45'09" E., 448.01 FEET; THENCE DEPARTING SAID RIGHT-OF-WAY LINE, S. 00°24'56" W., 1268.96 FEET; THENCE S. 89°45'42" E., 994.92 FEET TO THE NORTHEAST CORNER OF THE SOUTHEAST 1/4 OF SAID SECTION 11 ALSO BEING THE NORTHWEST CORNER OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 12; THENCE S. 89°57'59" E., ALONG THE NORTH BOUNDARY OF SAID NORTHWEST 1/4 OF SOUTHWEST 1/4, 220.00 FEET TO THE SOUTHWEST CORNER OF LOT 4, BURNS PLACE, AN UNPLATTED SUBDIVISION; THENCE N. 00°25'00" E., 469.00 FEET; THENCE S. 89°59'47" E., 551.00 FEET TO THE NORTHEAST CORNER OF SAID LOT 4; THENCE N. 00°25'00" E., 400.00 FEET TO THE NORTHWEST CORNER OF LOT 2 OF SAID BURNS PLACE; THENCE S. 89°59'47" E., 552.05 FEET TO THE NORTHEAST CORNER OF SAID LOT 2; THENCE S. 00°26'28" W., 869.58 FEET TO THE SOUTHEAST CORNER OF LOT 3 OF SAID BURNS PLACE ALSO BEING THE NORTHEAST CORNER OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 12; THENCE S. 00°25'05" W., 1325.73 FEET; THENCE S. 89°58'33" W., 1324.41 FEET TO THE SOUTHWEST CORNER OF SAID NORTHWEST 1/4 OF SOUTHWEST 1/4; THENCE S. 00°29'32" W., 1327.07 FEET TO THE POINT OF BEGINNING.

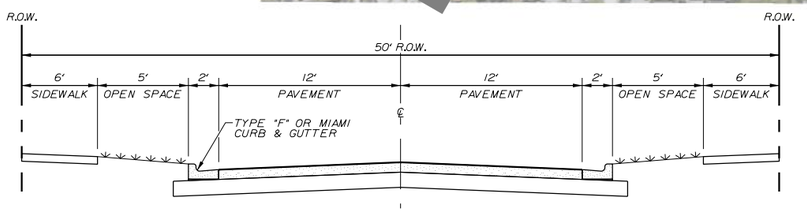
SUBJECT TO MAINTAINED RIGHT-OF-WAY ON WILDS ROAD.

LEGEND

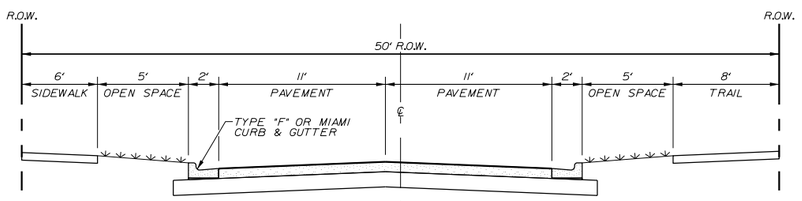
- RESIDENTIAL LAND USE (SINGLE FAMILY & TOWNHOME)
- APARTMENT LAND USE (MULTI-FAMILY)
- ASSISTED LIVING FACILITY
- PARK / OPEN SPACE LAND USE
- STORMWATER POND LAND USE
- WETLAND
- ROADWAY INTERCONNECT
- LANDSCAPE BUFFER (15 FT)



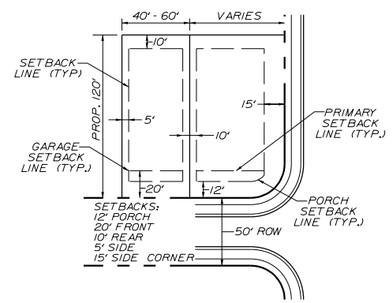
EMERGENCY ACCESS LOCATION
(FINAL LOCATION TO BE DETERMINED)



TYPICAL SECTION - 50' R.O.W.



TYPICAL SECTION - 50' R.O.W. (WITH TRAIL)



TYPICAL 40, 50, 60' LOT LAYOUT

SITE DATA

1.)	PARCEL ID:	11-25-21-0000-00600-0010 11-25-21-0000-00700-0000 11-25-21-0000-02700-0000 11-25-21-0000-02700-0010 11-25-21-0000-02800-0000 11-25-21-0000-03600-0000 11-25-21-0040-01400-0040 12-25-21-0000-00800-0000 12-25-21-0000-00800-0070 12-25-21-0000-00900-0030 12-25-21-0000-00900-0032
2.)	SITE LOCATION:	38746 CLINTON AVENUE DADE CITY, FLORIDA 33525
3.)	OWNER/APPLICANT:	HENRY L. WICKETT 38746 CLINTON AVENUE DADE CITY, FLORIDA 33525
4.)	SITE/CIVIL:	DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE ORLANDO, FLORIDA 32803 SUITE 1000 CONTACT: SARAH MAIER PHONE: 407-843-5120
5.)	TRAFFIC ENGINEER:	-
6.)	SURVEYOR:	SIMMONS & BEALL, INC. SURVEYING & MAPPING P.O. BOX 1297 36739 STATE ROAD 52 DADE CITY, FLORIDA 33526 PHONE: 352-567-0048
7.)	POTABLE WATER:	CITY OF DADE CITY
8.)	SANITARY SEWER:	CITY OF DADE CITY
9.)	COMMUNICATIONS:	SPECTRUM, FRONTIER
10.)	ELECTRIC:	TECO
11.)	STORMWATER:	HOA
12.)	FIRE RESCUE / EMS:	PASCO COUNTY FIRE RESCUE STATION 32 38223 CENTENNIAL ROAD DADE CITY, FLORIDA 33525
13.)	POLICE STATION:	CITY OF DADE CITY 38030 MERIDIAN AVENUE DADE CITY, FLORIDA 33525
14.)	ELEMENTARY SCHOOL:	CENTENNIAL ELEMENTARY SCHOOL
15.)	MIDDLE SCHOOL:	CENTENNIAL MIDDLE SCHOOL
16.)	HIGH SCHOOL:	PASCO HIGH SCHOOL
17.)	GROSS ACRES:	166.8
18.)	EXISTING ZONING (PASCO COUNTY):	AR, AC
19.)	PROPOSED ZONING (DADE CITY):	PLANNED DEVELOPMENT-RESIDENTIAL (PD-R)
20.)	EXISTING USE:	RESIDENTIAL & AGRICULTURAL
21.)	EXIST. FUTURE LAND USE (PASCO COUNTY):	RES-3 & RES-1
22.)	PROP. FUTURE LAND USE (DADE CITY):	MEDIUM DENSITY RESIDENTIAL & CONSERVATION/PRESERVATION
23.)	GROSS ACRES OF STORMWATER POND:	29.97 AC.
24.)	MIN. ACRES OF PARK:	3.08 AC.
25.)	MIN. ACRES OF MISC. OPEN SPACE:	18.98 AC.
26.)	TOTAL ACRES OPEN SPACE PROPOSED:	22.06 AC.
27.)	PROPOSED GROSS DENSITY:	5.3 DU/AC
28.)	MAX. UNITS ALLOWED:	900 UNITS (1)
29.)	SINGLE-FAMILY DETACHED UNITS:	356
30.)	TOWNHOME UNITS:	244 UNITS
31.)	MULTI-FAMILY UNITS:	200 UNITS
32.)	ASSISTED LIVING FACILITY BEDS:	200 BEDS (100 UNITS) (2)

NOTES

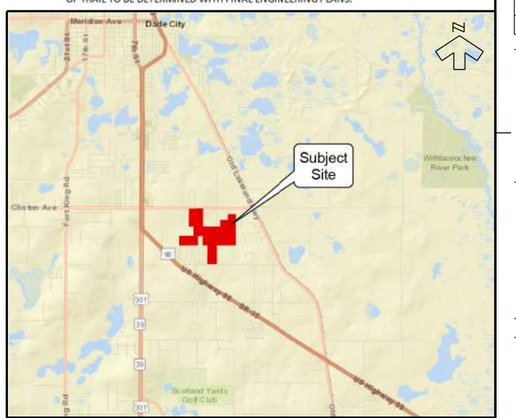
(1) MIX OF UNIT TYPES ARE ALLOWED TO CHANGE THROUGH THE USE OF A TRIP GENERATION CONVERSION MATRIX, BUT THE MAXIMUM UNIT COUNT OF 900 UNITS FOR THE OVERALL PROJECT SHALL NOT BE EXCEEDED.

(2) TWO ASSISTED LIVING BEDS ARE EQUIVALENT TO ONE RESIDENTIAL DWELLING UNIT.

(3) LAND USE BOUNDARIES & ROADWAY LOCATIONS ARE CONCEPTUAL AND TO BE FINALIZED WITH FINAL ENGINEERING.

(4) A ROADWAY CONNECTION IS SHOWN TO BURMAC DRIVE; HOWEVER, THERE IS CURRENTLY NOT PUBLIC RIGHT OF WAY AVAILABLE FOR ACCESS TO CLINTON AVENUE. THE CITY WILL NEED TO OBTAIN RIGHT OF WAY FOR ANY OFFSITE IMPROVEMENTS.

(5) A MINIMUM 8-FOOT WIDE TRAIL SHALL BE PROVIDED IN THE DEVELOPMENT AND SHALL PROVIDE A CONNECTION BETWEEN THE NEIGHBORHOOD PARKS AND TO CLINTON AVE. THE TRAIL MAY BE LOCATED WITHIN THE ROW AS SHOWN IN TYPICAL SECTION 50' ROW (WITH TRAIL) OR THROUGH OPEN SPACE AREAS OF THE NEIGHBORHOOD. FINAL LOCATION OF TRAIL TO BE DETERMINED WITH FINAL ENGINEERING PLANS.



SITE LOCATION

Dewberry

Dewberry Engineers Inc.
800 NORTH MAGNOLIA AVE
SUITE 1000
ORLANDO, FL 32803
PHONE: 407.843.5120
ENGINEERING BUSINESS -8794

THE CROSSROADS
PLANNED DEVELOPMENT - RESIDENTIAL

DADE CITY, FLORIDA

11/19/2020

SCALE
NORTH
0' 250' 500'

REVISIONS

No.	DATE	BY	Description

PROJECT # 50113131
DRAWN BY SKH
APPROVED BY NPS
CHECKED BY SM
DATE JUNE 2019

TITLE

PD-R MASTER PLAN

Q:\WICK_50113131\CAD\Civil\PD\Civil Plans

SHEET NO.

1 OF 1

11:47:27 AM Q:\WICK_50113131\CAD\Civil\PD\Civil Plans\WICK_PD_SitePlan.dgn

APPENDIX 17

Final Environmental Look Around (ELA) dated February 2021

Draft

US 98 FROM S OF POLK COUNTY LINE
TO US 301 POLK COUNTY
Environmental Look Around Evaluation
Pasco & Polk County, Florida

DRAINAGE MEMORANDUM

Financial Project N[illegible]443368-3

Prepared for:

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN
11201 Malcolm McKinley Drive
Tampa, Florida 33612

Prepared by:

Arcadis U.S., INC.
1301 Riverplace Boulevard, Suite 700
Jacksonville, FL 32207

February 2021

Draft

EXECUTIVE SUMMARY

The purpose of this Environmental Look Around (ELA) Evaluation is to locate potential sites that provide permitting opportunities for the future US 98 Widening Project. The focus of this report is on Segment 1, which is a 10.2-mile long section of US 98 that begins 1.4 miles South of the Pasco-Polk County Line and continues North up to US 301. The Segment 1 alignment crosses through four different WBID's (1445, 1443A, 1329F, and 1403B) within the Hillsborough River and Upper Withlacoochee watersheds. Of the four WBID's, 1403B is the only basin that does not discharge directly to Outstanding Florida Waters (OFWs). None of the receiving waterbodies are considered impaired for nutrients or have state adopted Total Maximum Daily Loads (TMDLs) for nutrients. The project consists of widening US 98 from a 2-lane roadway to a 4-lane divided roadway. Preferred ELA Sites were determined from a long list containing 18 potential options. Each site was evaluated based on a list of criteria including:

1. Opportunity to provide presumptive treatment and attenuation for new impervious area
2. Nutrient removal to demonstrate net improvement of annual discharges
3. Floodplain compensation volume
4. Wetland creation for mitigation
5. Cost and ownership, including whether the site is currently for sale or not for sale
6. Infrastructure needed to route runoff to the sites
7. Potential to provide treatment in multiple basins
8. Contamination

Based on these criteria, 6 preferred sites were selected within Segment 1 to be considered for use in permitting, which are shown in Table 0-1. The preferred sites were selected out of a long list based on a ranking matrix that used weighted averages for the above criteria. The long list decision matrix and criteria ranking key used to select the preferred sites are shown in Tables 3-2 and 3-3.

The first two of the preferred sites are located adjacent to US 98 within the Polk County section of Segment 1 and include the M. Coker parcel (ELA S1-4) and the Antenna LLC parcel (ELA S1-5) and are both located in WBID 1445. Within WBID 1443A, the Robert Hughes parcel was selected (ELA S1-6) due to the ability for the site to directly treat and attenuate runoff from US 98. The Biston Clyde parcel was selected in WBID 1329F (ELA S1-9), and similar to the previous sites, was chosen for its ability to provide direct treatment and attenuation of US 98 and will also provide compensatory treatment for basins within this WBID which are untreated. The final site is located on the Dune FL Land parcel (ELA S1-15) within WBID 1403B. This 200-acre site is proposed due to its ability to provide a reduction in post-development nutrient loading by converting the land use away from pasture and agriculture. Sites were also chosen within the remnant parcels to provide direct treatment and attenuation of the new roadway alignment north to Clinton Ave. Using data from the Florida Department of Environmental Protection (FDEP), it was determined that no contamination was in proximity to any ELA Sites within Segment 1.

SWFWMD permitting suggests water quality impacts be treated within the same WBID; however, flexibility for linear transportation projects has allowed on a case-by-case basis, to determine nutrient reduction. Several regional solutions have been prepared such as the Old Tampa Bay Project ERP 43000920.017. This memorandum proposes treatment based on WBIDs for organization purposes.

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Table 0-1: Summary of ELA Sites

Segment	WBID	ELA Name (Property Owner)	Parcel ID	Size (Acres)	Conv. Treatment	Nutrient Removal	Attenuation	Floodplain Comp.	Wetland Creation	Rank
1	1449B	ELA S1-WC (Tree Farm) (3 owners)	23-26-15-0000-0004-2010, 23-26-15-0000-0002-4010, 23-26-15-0000-0002-2010	159	No	Yes	No	Yes	Yes	1
	1445	ELA S1 - 1 (Tomkow Brothers Inc)	23-26-16-0000-0001-1010, 23-26-21-0000-0001-1010	400	Yes	Yes	Yes	Yes	Yes	3
		ELA S1 - 2 (Borrow Pit 1 - Fattoria LLC)	23-26-07-0000-0001-3010	6	Yes	Yes	Yes	No	No	5
		ELA S1 - 3 (Borrow Pit 2 - Crescasa LLC)	22-26-01-0000-0002-1010	18	Yes	Yes	Yes	No	No	4
		ELA S1 - 4 (Mary Coker)	22-26-01-0000-1000-0290	11	Yes	Yes	Yes	Yes	Yes	1
		ELA S1 - 5 (Antenna LLC)	22-26-02-0000-0001-2010, 22-26-02-0000-0001-1030	21	Yes	Yes	Yes	Yes	Yes	2
	1443A	ELA S1 - 6 (Robert Hughes)	34-25-22-0000-00200-0000	15	Yes	Yes	Yes	Yes	Yes	1
		ELA S1 - 7 (SWFWMD)	22-26-03-0000-0003-3010	38	Yes	Yes	Yes	Yes	Yes	2
	1329F	ELA S1 - 8 (25 25 22 Trust)	25-25-22-0000-[illegible]0000	326	No	Yes	No	Yes	Yes	3
		ELA S1 - 9 (Biston Clyde)	29-25-22-0000-[illegible]0010	50	Yes	Yes	Yes	Yes	Yes	1
		ELA S1 - 10 (Branham)	31-25-[illegible]0000-[illegible]	74	No	Yes	No	No	Yes	3
		ELA S1 - 11 (Pasco County Management)	05-25-[illegible]0000-[illegible]0200-0000	40	No	Yes	No	Yes	Yes	2
	1403B	ELA S1 - 12 (BMI LLC)	18-25-22-[illegible]0500-0040	[illegible]	Yes	Yes	No	No	No	6
		ELA S1 - 13 (Valerie Gabriel)	18-25-22-[illegible]0010	21	No	Yes	No	No	No	6
		ELA S1 - 14 (Harmony Heights)	11-25-21-0000-0140[illegible]	30.2	Yes	No	Yes	No	No	3
		ELA S1 - 15 (Dune FL Land)	02-25-21-0000-00400-00[illegible]21-0000-[illegible]00-0000[illegible]21-[illegible]0-00100[illegible]000, [illegible]1-0000[illegible]0200-00[illegible]0	200	Yes	Yes	Yes	Yes	Yes	1
		ELA S1 - 16 (Wagenvoord)	03-[illegible]5-21-[illegible]40-01100-[illegible]020	7.3	Yes	Yes	No	Yes	Yes	2
		ELA S1 - 17 (First Community Bank)	02-25-21-[illegible]0-0070-[illegible]020	4.3	Yes	Yes	No	Yes	Yes	5
		ELA S1 - 18 (Perfection Partners LLC)	03-25-21-0[illegible]-0040	13	Yes	Yes	No	Yes	Yes	4

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1 INTRODUCTION

1.1 PROJECT OVERVIEW

The Florida Department of Transportation (FDOT), District 7 is conducting a pond siting evaluation for the potential widening of 4 segments of US 98 from 2 lanes to 4 lanes. This memorandum evaluates Segment 1 for alternative regional pond sites using the ELA process.

Segment 1 of the planned US 98 four-lane widening falls within the Upper Withlacoochee and Hillsborough River watersheds and four Waterbody Ids (WBIDs). Multiple ELA sites were evaluated in each of these WBIDs to determine their viability to provide treatment to permit the proposed US 98 improvements. Parameters used to rank the different sites include the following –

- Opportunity to provide presumptive treatment and attenuation for new impervious area
- Nutrient removal to demonstrate net improvement of annual discharge
- Floodplain compensation volume
- Wetland creation for mitigation
- Cost and ownership, including whether the site is currently for sale or not for sale
- Infrastructure needed to route runoff to the sites
- Potential to provide treatment in multiple basins
- Contamination

Due to Segment 1 mostly discharging to the Withlacoochee and Hillsborough Rivers, which are considered Outstanding Florida Waters (OFW), sites were chosen that could provide an additional 50% treatment volume while also providing compensatory treatment for basins that could not be treated due to hydraulic constraints. Although parts of Segment 1 discharge to OFW's, none of the receiving waterbodies have an adopted or pending Basin Management Action Plan (BMAP), nor or they impaired for nutrients.

1.2 PROJECT LOCATION

This project is located in Pasco and Polk County, Florida from 16.350 to 17.750 in Polk County and 0.000 MP to 6.750 MP in Pasco County see project link and map below (Figure 1: Project Site Map).

Link to ArcGIS Online Map viewer:
https://arcadis.maps.arcgis.com/apps/webappviewer/index.html?id=8cde64911357460294a0025dfba611d0

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1.3 ELA PROCEDURE

In accordance with the FDOT Drainage Manual, alternatives to conventional treatment facilities were evaluated as part of the Environmental Look Around (ELA) process. The Drainage Manual describes the process for evaluating watershed wide alternative permitting approaches and recommends the evaluation of the following opportunities for their application -

1. Water Management District (WMD)/Department of Environmental Protection (DEP) issues: wetland rehydration, water supply needs, minimum flows and levels, flooding, total maximum daily load (TMDL) needs, acquisition of fill from WMD/DEP lands, etc.

2. City/County issues: stormwater re-use, flooding, discharge to golf courses or parks, National Pollution Discharge Elimination System (NPDES) needs, and water supply needs.

3. FDOT project permitting regional treatment, stormwater, and joint use facilities.

In addition, potential ELA opportunities should be coordinated with the appropriate personnel prior to right-of-way acquisition in the PD&E phase. Appropriate personnel include WMD and DEP, FDOT, along with City and County engineers and/or the Public Works Director.

In addition to the evaluation of ELA sites, a conventional pond siting report will be submitted to the Department at a later date and will include the recommendations of this report in addition to conventional pond siting locations within each drainage basin. The ELA sites presented in this report satisfy treatment requirements within each impacted WBID.

1.4 DATUM

The horizontal datum for this project is NAD83 Florida State Plane, West Zone. The vertical datum used for this ELA evaluation is NAVD 88.

1.5 SOILS

Soils were identified using the United States Department of Agriculture (USDA) National Resource Conservation Service (NRCS) Web Soil Survey. The soil types within the limits of Segment 1 consist primarily of Hydrologic Soil Group (HSG) Type A soils for the northwest portion of the alignment, and Hydraulic Soil Group (HSG) A/D soils for the remainder of the alignment and east of Green Swamp. See appendix B for project soil maps (Figure B17: Hydrologic Soil Group Map).

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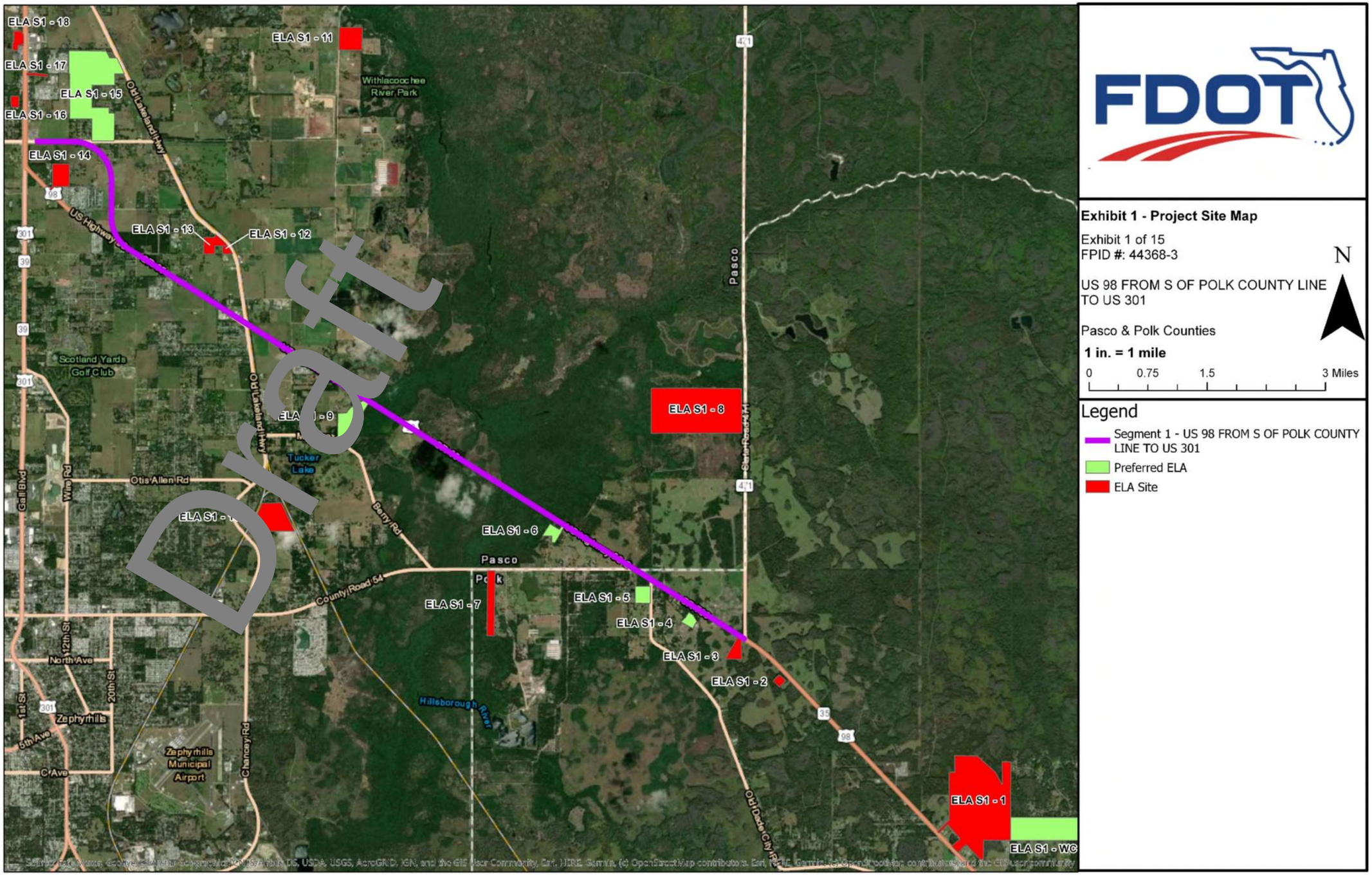
Figure 1: Project Site Map



2 APPROACH

The ELA sites that were selected in WBIDs 1445, 1443A and 1329F were chosen due to the ability to provide compensatory treatment for areas of the alignment that discharge untreated, while also meeting OFW criteria which requires an additional 50% treatment volume. These sites were also selected due to their potential to offer opportunities for wetland creation and floodplain compensation by overlaying National Wetland Inventory (NWI) lines (Figure B14) along with the Federal Emergency Management Agency (FEMA) floodplain shapes (Figure B15), with the proposed ELA sites.

WBID 1403B does not discharge to Outstanding Florida Waters (Figure B18), therefore the site selected within this WBID was chosen due to its ability to provide net improvement for nutrient loading. BMPTrains was used to determine the nutrient loading in the pre-development and post-development conditions and ascertain the sites viability to provide a reduction in nitrogen and phosphorous.

Impervious in the proposed condition was calculated using a four-lane roadway section, with 12' lanes and 5' outside shoulders. In addition to the standard typical section, assumptions were made for additional impervious related to turn lanes, median openings, and turnouts. It was assumed that the proposed typical section will fit within the existing US 98 right-of-way. Where the Segment 1 alignment heads north to Clinton Avenue, a 250' right-of-way was assumed based on the PD&E preferred alignment. The typical sections for the realignment up to Clinton Ave are still under development; however, it is assumed the typical section will transition to a high-speed urban from the current US 98 alignment before becoming a 4-lane divided, urban section with a 45-mph speed limit within the Clinton Avenue right-of-way. Typical sections for the rural section of Segment 1 are provided in Appendix B.

2.1 WBID 1449B – WITHLACOOCHEE RIVER

While there are no proposed improvements to US 98 within WBID 1449B, regional pond options were explored upstream of the US 98 improvements to offset nutrient loading associated with the widening of US 98. During the second SWFWMD pre-application meeting (Appendix E, 10/1/2020), SWFWMD staff appeared open to the Tree Farm ELA site, since it will help the basin upstream of the impacts and can be shown to benefit the same waters which receive untreated runoff from the project. As part of the ELA process, sites that have a high potential currently residing outside of directly impacted WBIDs were evaluated to determine their capability to provide opportunities for wetland creation, floodplain compensation, and nutrient reduction. Southeast of Segment 1, a 159-acre tree farm made up of three parcels with the same owner, was evaluated and determined to be an optimal location for the creation of wetlands to offset impacts as a result of the US 98 widening. The reduction in nutrient loading with a land use change to wetlands would also offset the increased nutrient loading within the Withlacoochee River WBID's associated with the US 98 widening. This site could also provide floodplain compensation on a cup-for-cup approach, if it were determined that there is connectivity with the impacted floodplain.

Table 2-1: BMPTrains Net Improvement Summary WBID 1449B

Area (Acres)	PRE-DEVELOPMENT	POST-DEVELOPMENT	Change in Nitrogen Loading (KG/YR)	Change in Phosphorus Loading (KG/YR)
158	**Ornamental Tree Farm**	**Wetland Creation (No Nutrient Loading)**	- 285.613	- 49.676

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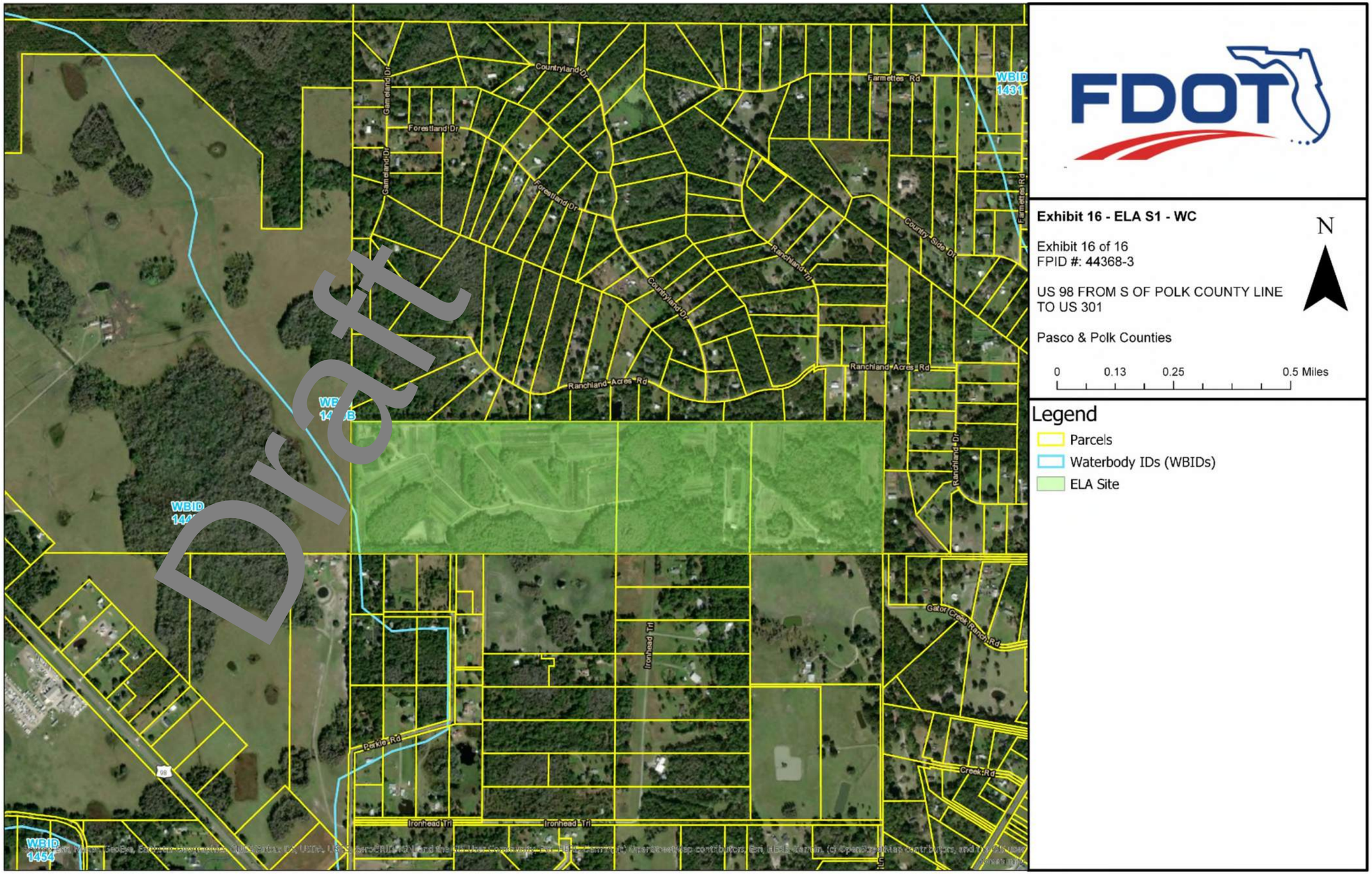
Figure 2: ELA S1 - WC



2.2 WBIDs 1445 AND 1443A – HILLSBOROUGH RIVER

The south end of Segment 1 located in WBID 1445, begins at SR 471 and continues northwest for approximately 2.8 miles. Five sites were evaluated in WBID 1445 to provide treatment for 12.3-acres of added impervious associated with the four-lane typical section. The sites chosen, primarily for their proximity to US 98 and the ability to provide direct treatment, attenuation of project runoff, and compensatory treatment for untreated basins, include a 10.5-acre site that is currently for sale (ELA S1 - 4) and a vacant 21-acre site that is owned by Antenna LLC (ELA S1 - 5). These two sites, along with a third (ELA S1 - 6) located about 0.5 miles east of the Hillsborough River bridge and within adjacent WBID 1443A, treat and attenuate runoff from US 98. Due to the Hillsborough River being the receiving water body for these two WBID's and is considered an Outstanding Florida Water (OFW), these sites have all been sized to meet the 50% additional treatment volume req[illegible] by SWFWMD.

There are four drainage basins within WBID 1445, with [illegible]e b[illegible]in bei[illegible]treat[illegible]d. To account for this untreated basin (300U), the other three basins (100, 200 a[illegible]00) will prov[illegible] additional treatment over the required 1-inch of runoff over added impervious. The amou[illegible]f added impervious within WBID 1445 is 12.3-acres but the selected ELA sites will provide treatment o[illegible]roximately 20.9-acres.

Table 2-2: Basin Summary (WBID 1445)

BASIN SUMMARY (WBID 1445)									
Drainage Basin	**PRE-DEVELOPMENT**			**P[illegible]EVELOPMENT**					
	Roadway Impervious Area (AC)	**Roadway Pervious Area (AC)**	**Total [illegible](AC)**	**Roadwa[illegible]ervious Are[illegible] (AC)**	**Roadway [illegible]vious Area (AC)**	**Pond Site Area (AC)**	**Total Area (AC)**	**Added Impervious (AC)**	**Treated Impervious (AC)**
100	3.73	27.1[illegible]	30.86	6.15	17.82	6.89	30.86	2.42	6.15
200	3.26	42.49	[illegible]	6.31	29.87	9.57	45.75	3.05	6.31
300-U	3.64	9.29	12.93	[illegible]	7.77	0.00	12.93	1.52	0.00
400	3.13	36.03	39.16	8.4[illegible]	26.25	9.26	39.16	5.33	8.46
								12.32	**20.92**

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Figure 3: ELA S1 - 4

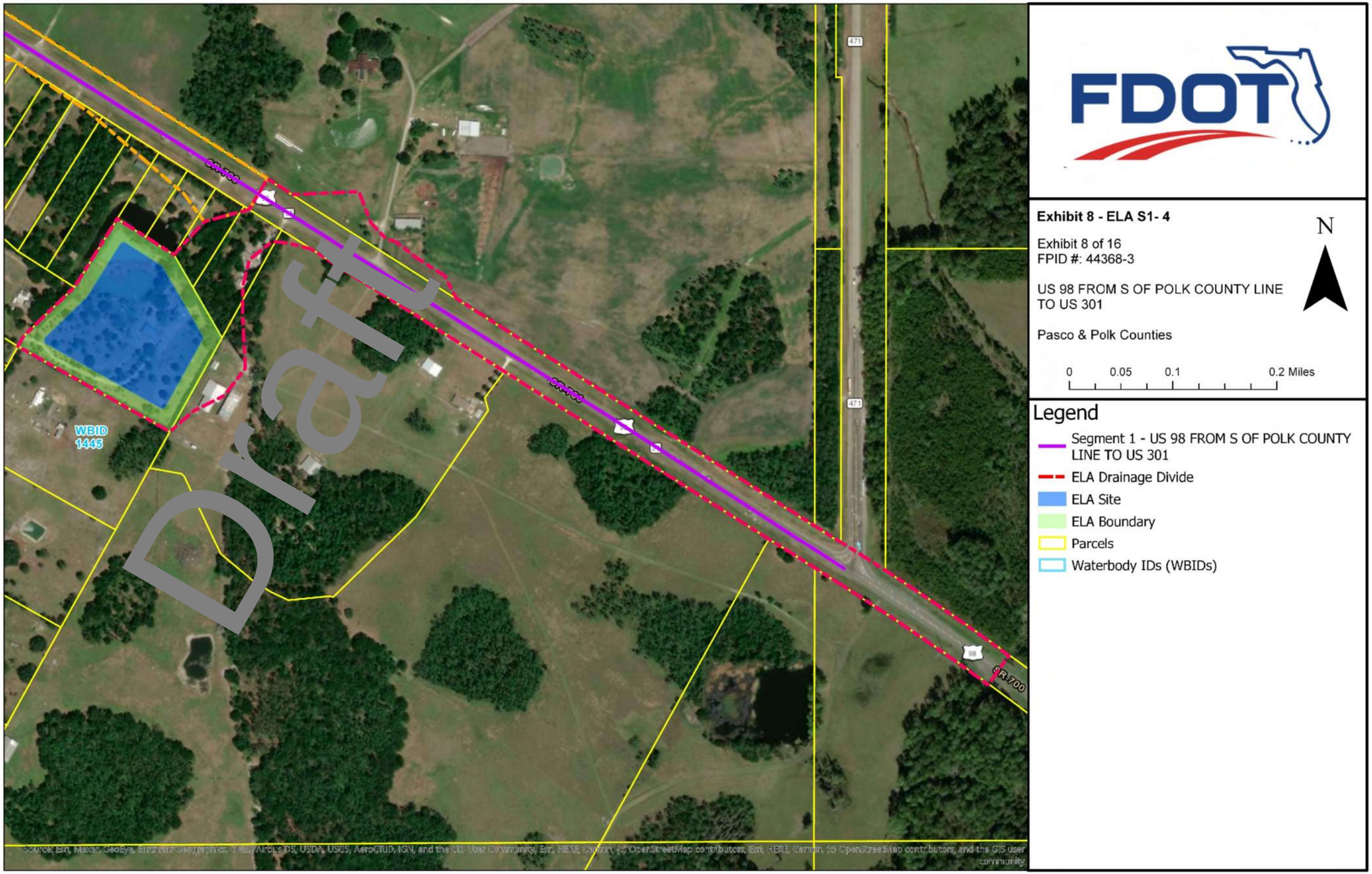
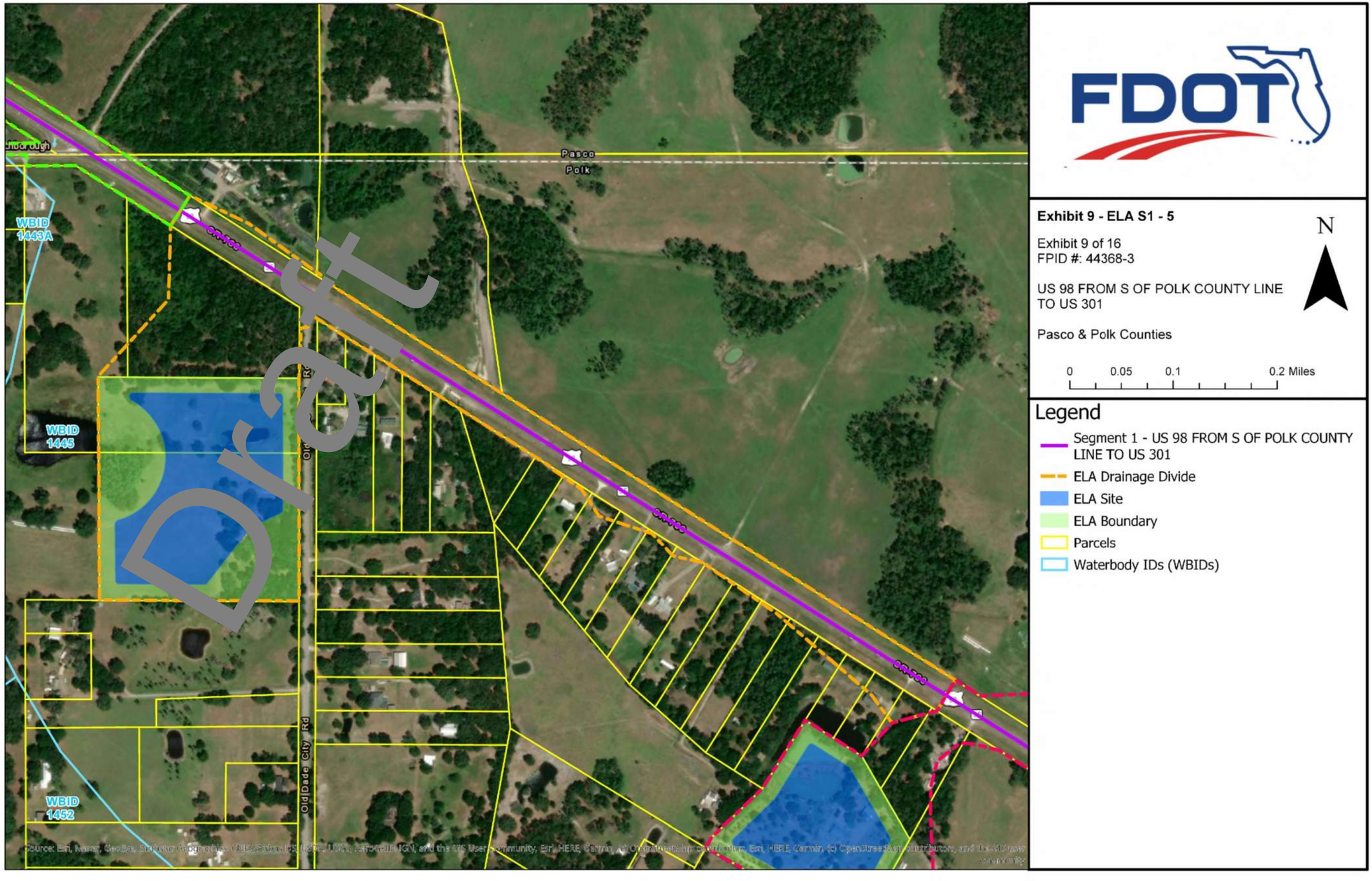


Figure 4: ELA S1 - 5



There are two drainage basins within WBID 1443A, with one basin untreated (500U) and the other basin (400) providing additional treatment similar to the sites in WBID 1445. The amount of added impervious within WBID 1443A is 1.5-acres while the amount treated is 1.8-acres. The ELA S1-6 site will provide treatment for WBID 1443A in addition to treating runoff from WBID 1445.

Table 2-3: Basin Summary (WBID 1443A)

BASIN SUMMARY (WBID 1443A)									
Drainage Basin	**PRE-DEVELOPMENT**			**POST-DEVELOPMENT**					
	Roadway Impervious Area (AC)	**Roadway Pervious Area (AC)**	**Total Area (AC)**	**Roadway Impervious Area (AC)**	**Roadway Pervious Area (AC)**	**Pond Site Area (AC)**	**Total Area (AC)**	**Added Impervious (AC)**	**Treated Impervious (AC)**
400	1.05	3.76	4.81	1.78	.03		4.81	0.73	1.78
500-U	1.04	5.23	6.27	1.78		0.00		0.74	0.00
								1.47	1.78

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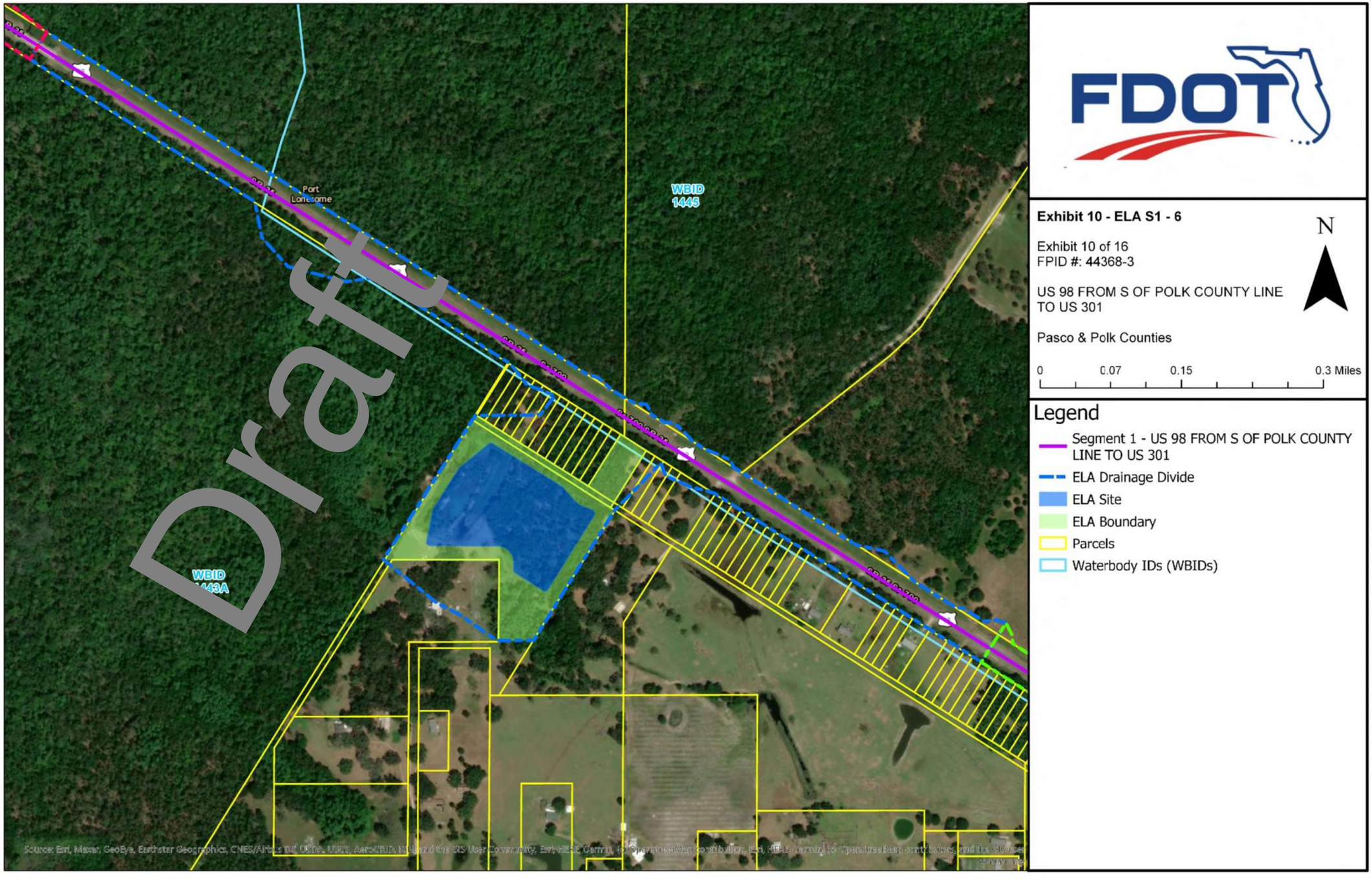
Figure 5: ELA S1 - 6



2.3 WBID 1329F – WITHLACOOCHEE RIVER

About 3.5 miles of the Segment 1 US 98 Widening limits fall within WBID 1329F. Four sites were evaluated in this WBID to provide treatment for 13.6-acres of added impervious associated with the four-lane typical section. The preferred ELA is a 50-acre site (ELA S1 – 9), located adjacent to the US 98 right-of-way. Due to the Withlacoochee River being the receiving water body which is considered an Outstanding Florida Water (OFW), this site has been sized to meet the 50% additional treatment volume required by SWFWMD.

There are three drainage basins within WBID 1445, with two of the basins being untreated. To account for the untreated basins (500U and 800U), the third basin (600) will provide additional treatment over the required 1-inch of runoff over added impervious. The amount of added impervious within WBID 1329F is 13.6-acres but the selected ELA sites will provide treatment of approximately 17.2-acres.

Table 2-4: Basin Summary (WBID 1329F)

BASIN SUMMARY (WBID 1329F)									
Drainage Basin	**PRE-DEVELOPMENT**			**POST-DEVELOPMENT**					
	Roadway Impervious Area (AC)	**Roadway Pervious Area (AC)**	**Total Area (AC)**	**Roadway Impervious Area (AC)**	**Roadway Pervious Area (AC)**	**Pond Site Area (AC)**	**Total Area (AC)**	**Added Impervious (AC)**	**Treated Impervious (AC)**
500-U	2.80	11.67	14.47	5.96	8.51	0.00	14.47	3.16	0.00
600	9.01	197.21	206.22	17.16	161	36.45	206.22	8.15	17.16
800-U	2.32	72.22	74.54	4.57	69.97	0.00	74.54	2.25	0.00
								13.56	17.16

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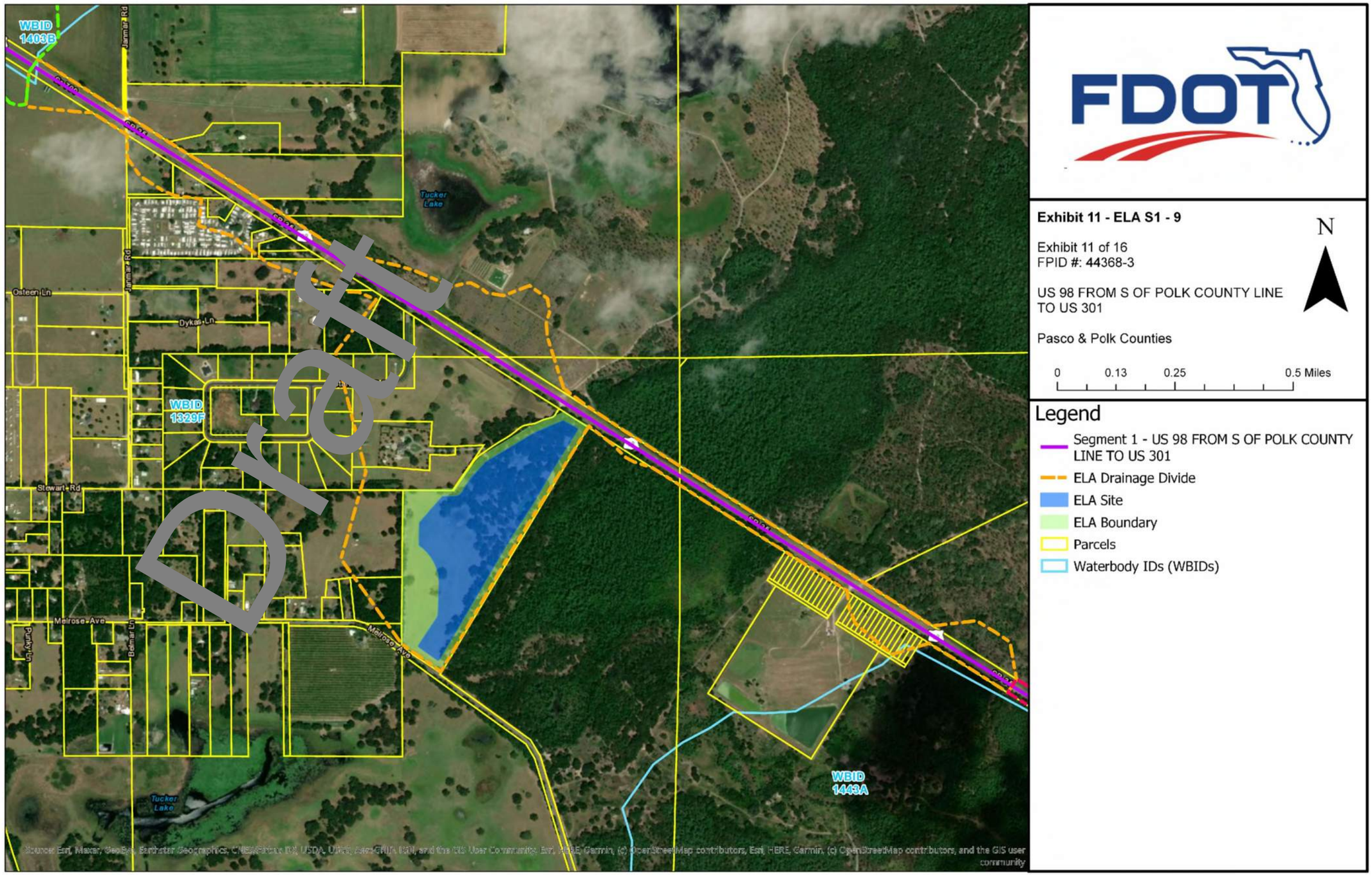
Figure 6: ELA S1 – 9



2.4 WBID 1403B – CLEAR LAKE OUTLET

The remaining limits of Segment 1, including the proposed northern re-alignment of US 98 up to and including the realignment within the Clinton Ave right-of-way, fall within the WBID 1403B. The proposed right-of-way width for the realigned segment of US 98 is 250' including where the limits fall within the Clinton Ave right-of-way. Since the new alignment will result in property acquisition needed to secure the 250' of right-of-way, there are several parcels with uneconomical remainders based on the preferred PD&E alignment. These parcel remainders were then used to locate pond sites that could treat segments of the new alignment and/or provide attenuation for the new impervious.

An ELA site was also chosen within this WBID (ELA S1 - 15) based on its size and ability to provide a reduction in nutrient loading in the post-development condition by purchasing and taking the 200-acre site of cropland agriculture land use off-line. It was determined that the amount of nitrogen and phosphorus loading removed would provide a net improvement when accounting for the nutrient loading produced by the proposed roadway widening and taking into account the land use conversions where US 98 is realigned up to Clinton Avenue.

Table 2-5: Basin Summary (WBID 1403B)

BASIN SUMMARY (WBID 1403B)								
Drainage Basin	**PRE-DEVELOPMENT**			**POST-DEVELOPMENT**				
	Roadway Impervious Area (AC)	**Roadway Pervious Area (AC)**	**Total Area (AC)**	**Roadway Impervious Area (AC)**	**Roadway Pervious Area (AC)**	**Total Area (AC)**	**Change in Nitrogen Loading (KG/YR)**	**Change in Phosphorus Loading (KG/YR)**
700-U	5.06	66.4	71.50	7.	64.19	71.50	7.250	0.785
900-U	3.18	21	24.54	5.3	19.19	24.54		
1000	0.57	18.68	19.25	3.	12.46	19.25		
1100	1.39	48.07	46	43	29.49	49.46		
1200-U	2.28	1.27	3.55	.03	1.52	3.55		
ELA	N/A	N/A	200.00	N/A	N/A	200.00	- 13.683	- 3.068
Change in Nutrient Loading							- 6.43	- 2.28

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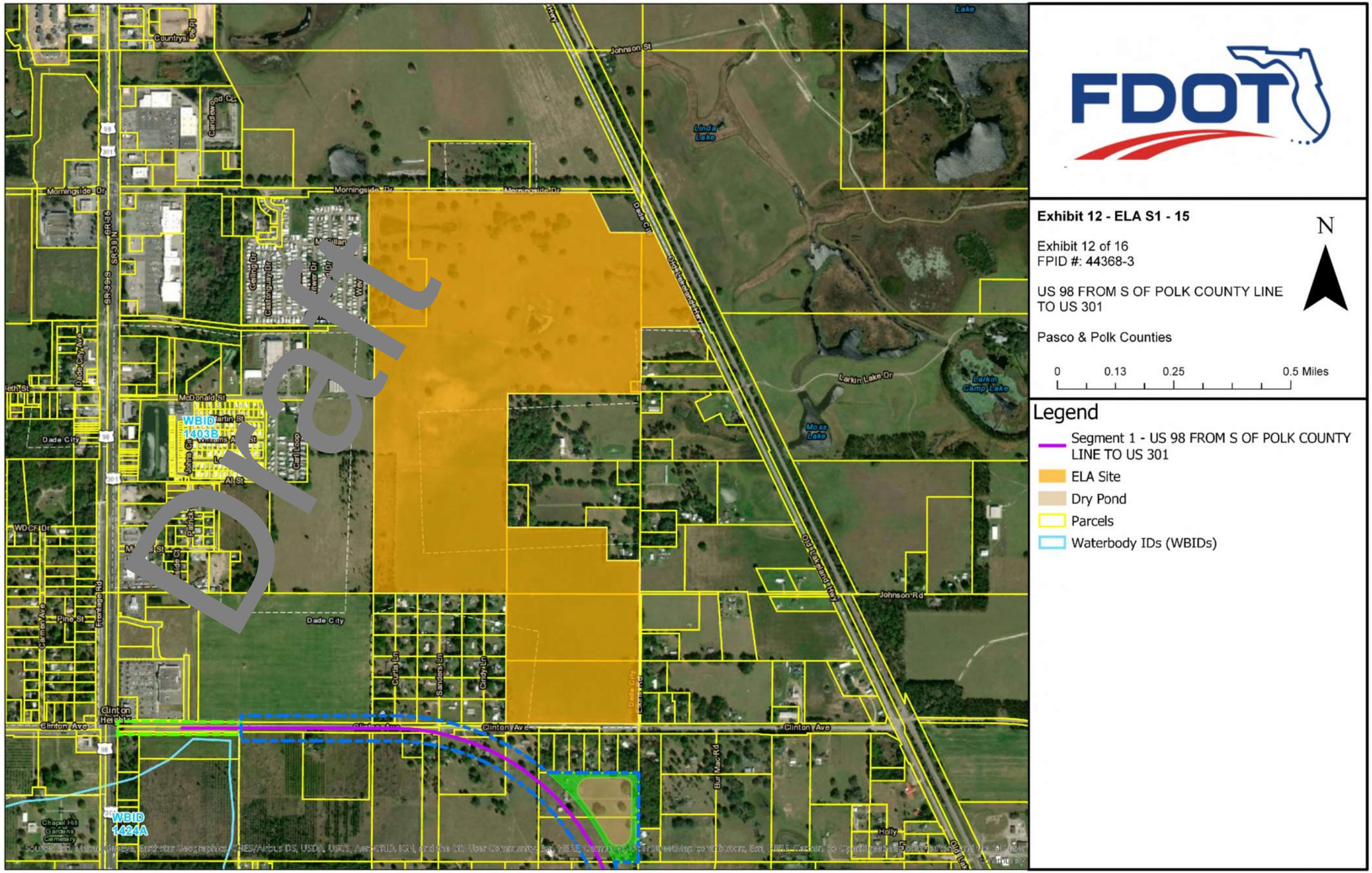
Figure 7: ELA S1 - 15



3 RECOMMENDATION

Based on the ranking criteria in Table 3-3: ELA Matrix Ranking Criteria, 6 preferred ELA Sites were selected from the long list of 18 potential options. As previously mentioned, criteria used to evaluate the preferred ELA sites include - opportunity to provide treatment and attenuation, efficiency at nutrient removal, floodplain compensation volume, and wetland creation opportunities, cost and ownership, required infrastructure, multi-basin potential, and contamination. As seen below, Table 3-2 shows the decision matrix used to rank each ELA site based on these criteria.

The first site to receive Rank 1, was ELA S1-WC (Tree Farm) this resulted primarily from its opportunity to provide a large reduction in nutrient loading by a land use change from tree farm to wetland. This site also has multi-basin potential, wetland compensation, and low cost. ELA Site S1-4 (Mary Coker) was selected as a preferred site due to its ability to provide treatment and attenuation as well as its floodplain compensation and wetland creation. The next site, ELA S1-5 (Antenna LLC) received a high score in the same categories as the previous site, while providing lower [illegible]A Site S1-6 (Robert Hughes) received a Rank 1 due to its ability to directly treat and attenuate runoff from US 98. ELA S1 - 9 (Biston Clyde) was also selected for its direct treatment and attenuation of US 98, but also its compensatory treatment for other untreated basins within WBID 1328F. The final site, ELA S1- 15 (Dune FL Land) received it's rank of 1 due to the size of the land (20 acres) allowing for significant reduction in post-development nutrient loading by converting the land use from agriculture.

Table 3-1: Summary of Preferred ELA Sites

Preferred ELA Sites			
WBID	ELA Name (Property)	Parcel ID	Rank
1449B	ELA S1-WC (Tree Farm) (3 owners)	23-26-15-0000-0004-2010 23-26-15-0000-0002-4010 23-26-15-0000-0002-2010	1
1445	ELA S1 - 4 (Mary Coker)	22-26-01-0000-1000-0290	1
	ELA S1 - 5 (Antenna LLC)	22-26-02-0000-0001-2010 22-26-02-0000-0001-1030	2
1443A	ELA S1 - 6 (Robert Hughes)	34-25-22-0000-00200-0000	1
1329F	ELA S1 - 9 (Biston Clyde)	29-25-22-0000-00100-0010	1
1403B	ELA S1 - 15 (Dune FL Land)	02-25-21-0000-00400-0020 02-25-21-0000-01200-0000 11-25-21-0000-00100-0000 11-25-21-0000-00200-0000	1

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Table 3-2: ELA Decision Matrix (Green is the preferred ELA, Yellow and Red are Alternatives.)

Segment	WBID	ELA Name (Property Owner)	Parcel ID	Size (Acres)	Conv. Treatment		Nutrient Removal		Attenuation		Floodplain Comp.		Wetland Creation		Owner (FS = For Sale ...		Cost (left=total, right=per acre)			Added Infrastructure		Multi-Basin Potential		Contamination		Evaluation Score	Rank
Weighted Factor					16%	4	8%	2	16%	4	4%	1	4%	1	20%	5	Total	12%	3	4%	1	12%	3	4%	1	100 MAX	
1	1449B	ELA S1-WC (Tree Farm) (3 owners)	23-26-15-0000-0004-2010 23-26-15-0000-0002-4010 23-26-15-0000-0002-2010	159	No	0	Yes	3	No	0	Yes	3	Yes	3	Private, FS	2	$780K	$4,906		Minimal	3	Yes	1	No Records	3	41	1
	1445	ELA S1 - 1 (Tomkow Brothers Inc)	23-26-16-[illegible]0001-1010 23-[illegible]21-0[illegible]001-1010	400	Yes	1	Yes	3	Yes	1	Yes	1	Yes	1	Private, FS	2	$1900K	$4,750	2	Minimal	3	Yes	1	No Records	3	55	3
		ELA S1 - 2 (Borrow Pit 1 - Fattoria LLC)	23-[illegible]000-0001[illegible]	6	Yes	2	Yes	1	Yes	2	No	0	No	0	Private, NFS	1	$14K	$2,350	3	Moderate	2	No	0	No Records	3	49	5
		ELA S1 - 3 (Borrow Pit 2 - Crescasa LLC)	22-26-[illegible]0002-1010	18	Yes	2	Yes	2	Yes	2	No	0	No	0	Private, NFS	1	$51K	$2,845	3	Moderate	2	No	0	No Records	3	52	4
		ELA S1 - 4 (Mary Coker)	22-26-01-0000-1[illegible]0290	11	Yes	3	Yes	2	Yes	3	Yes	2	Yes	1	Private, FS	2	$440K	$40,000	1	Moderate	2	No	0	No Records	3	65	1
		ELA S1 - 5 (Antenna LLC)	22[illegible]000-0001-2010 2[illegible]26-02[illegible]001-1030	21	Yes	3	Yes	2	Yes	3	Yes	1	Yes	1	Private, NFS	1	$102K	$4,835	2	Moderate	2	No	0	No Records	3	61	2
	1443A	ELA S1 - 6 (Robert Hughes)	3[illegible]25-2[illegible]0000-00200-0000	15	Yes	3	Yes	3	Yes	3	Yes	3	Yes	3	Private, NFS	1	$112k	$7,466	2	Moderate	2	Yes	2	No Records	3	77	1
		ELA S1 - 7 (SWFWMD)	22-26-[illegible]0000-0003-3010	38	Yes	2	Yes	2	Yes	1	Yes	3	Yes	3	SWFWMD	3	$97K	$2,552	3	Moderate	2	Yes	2	No Records	3	76	2
	1329F	ELA S1 - 8 (25 25 22 Trust)	25-25-22[illegible]-00100-0000	326	No	0	Yes	1	No	0	Yes	3	Yes	2	Private, NFS	1	$675K	$2,070	3	Minimal	3	No	0	No Records	3	36	3
		ELA S1 - 9 (Biston Clyde)	[illegible]9-25-22-0000-00100-0010	50	Yes	3	Yes	2	Yes	3	Yes	3	Yes	3	Private, NFS	1	$360K	$7,200	2	Minimal	3	No	0	No Records	3	68	1
		ELA S1 - 10 (Branham)	31[illegible]2-0000-01200-0000	74	No	0	Yes	2	No	0	No	0	Yes	1	Private, FS	2	$550K	$7,432	2	Minimal	3	No	0	No Records	3	36	3
		ELA S1 - 11 (Pasco County [illegible]anagemen[illegible]	05-25-22-0000-00200-0000	40	No	0	Yes	3	No	0	Yes	3	Yes	2	Pasco Co	3	$332K	$8,300	2	Minimal	3	Yes	1	No Records	3	55	2
	1403B	ELA S1 - 12 (BMI LLC)	[illegible]-25-22-0000-00500-0040	5	Yes	1	Yes	2	No	0	No	0	No	0	Private, FS	2	$175K	$35,000	1	Minimal	3	No	0	No Records	3	36	6
		ELA S1 - 13 (Valerie G[illegible]iel)	[illegible]-25-22-0010-01800-0010	21	No	1	Yes	2	No	0	No	0	No	0	Private, FS	2	$3000K	$142,860	1	Minimal	3	No	0	No Records	3	36	6
		ELA S1 - 14 (Harmony Hei[illegible]	[illegible]1-25-21-0000-01400-0000	30.2	Yes	2	No	0	Yes	2	No	0	No	0	Private, NFS	1	$212K	$7,100	2	Minimal	3	No	0	No Records	3	44	3
		ELA S1 - 15 (Dune FL Land)	02-25-21-0000-00400-0020 02-25-21-0000-01200-0000 11-25-21-0000-00100-0000 11-25-21-0000-00200-0000	200	Yes	3	Yes	3	Yes	3	Yes	2	Yes	1	Private, FS	2	$675K	$3,375	3	Minimal	3	No	0	No Records	3	77	1
		ELA S1 - 16 (Wagenvoord)	03-25-21-0040-01100-0020	7.3	Yes	2	Yes	2	No	0	Yes	2	Yes	1	Private, FS	2	$1300K	$178,100	1	Minimal	3	No	0	No Records	3	45	2
		ELA S1 - 17 (First Community Bank)	02-25-21-0000-00700-0020	4.3	Yes	2	Yes	1	No	0	Yes	2	Yes	1	Private, FS	2	$695K	$161,630	1	Minimal	3	No	0	No Records	3	43	5
		ELA S1 - 18 (Perfection Partners LLC)	03-25-21-0000-00100-0040	13	Yes	2	Yes	2	No	0	Yes	2	Yes	2	Private, NFS	1	$1320K	$101,540	1	Minimal	3	Yes	1	No Records	3	44	4

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3.1 ELA **CRITERIA RANKING KEY**

Table 3-3: ELA Matrix Ranking Criteria

	CRITERIA RANKING KEY									
Rank	Conv. Treatment	Nutrient Removal	Attenuation	Floodplain Comp.	Wetland Creation	Owner	Cost (left=total, right=per acre)		Added Infrastructure	Mulit-Basin Potential	Contamination
0	No	N/A	N/A	No	No	N/A	Total	per acre	N/A	N/A	N/A
1	Yes, low-moderate	No	No	Yes, low-moderate	Yes, low-moderate	Private, NOT FOR SALE	>	>$40k	No	No	Records Found
2	Yes, moderate - high	Partial	Partial	Yes, moderate - high	Yes, moderate - high	Private, FOR SALE	>	>$10k	Moderate	To be determined	Found record but inconclusive
3	Yes	Yes	Yes	Yes	Yes	Public, FOR SALE	>$0	>$0	Minimal	Yes	No Records

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Appendix A: Site Photography

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Figure A8: View of ELA Site 4 from the North East

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Figure A9: Looking towards ELA Site 5 from the East on Old Dade City Rd.

Figure A10: View of driveway next to ELA site [illegible] the North East

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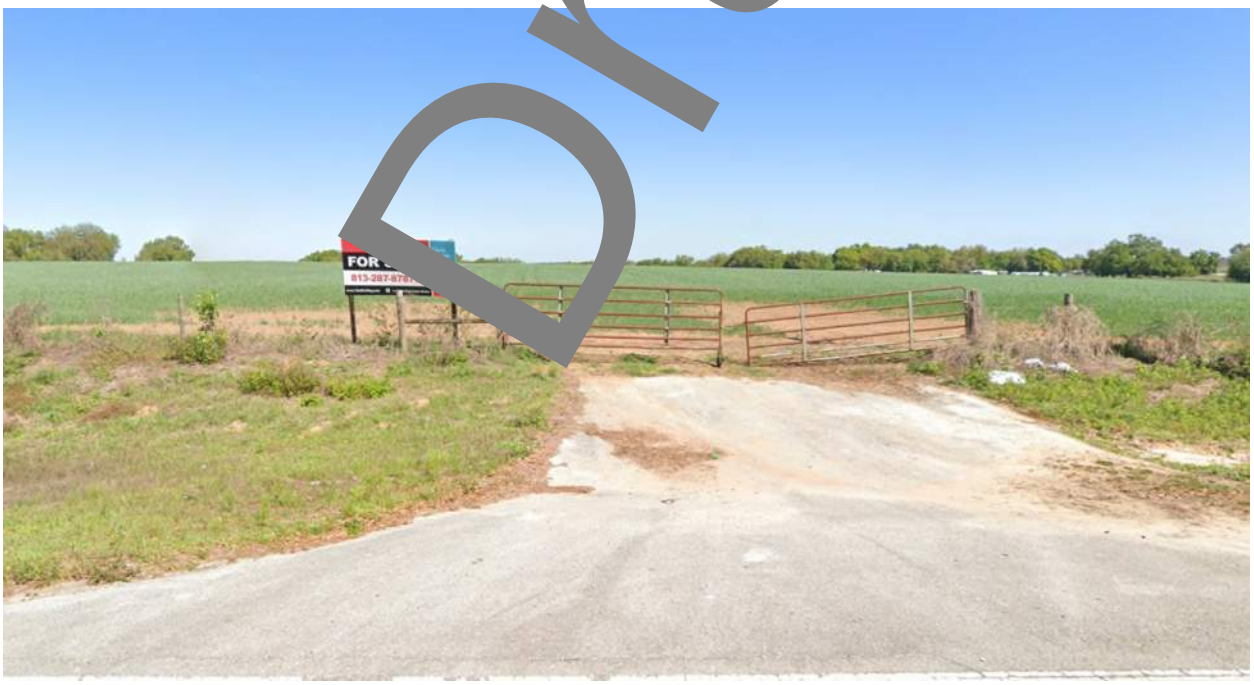
Figure A11: Looking towards ELA Site 9 from the North East.

Figure A12: Southern end of ELA Site 15



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Appendix B: Exhibits

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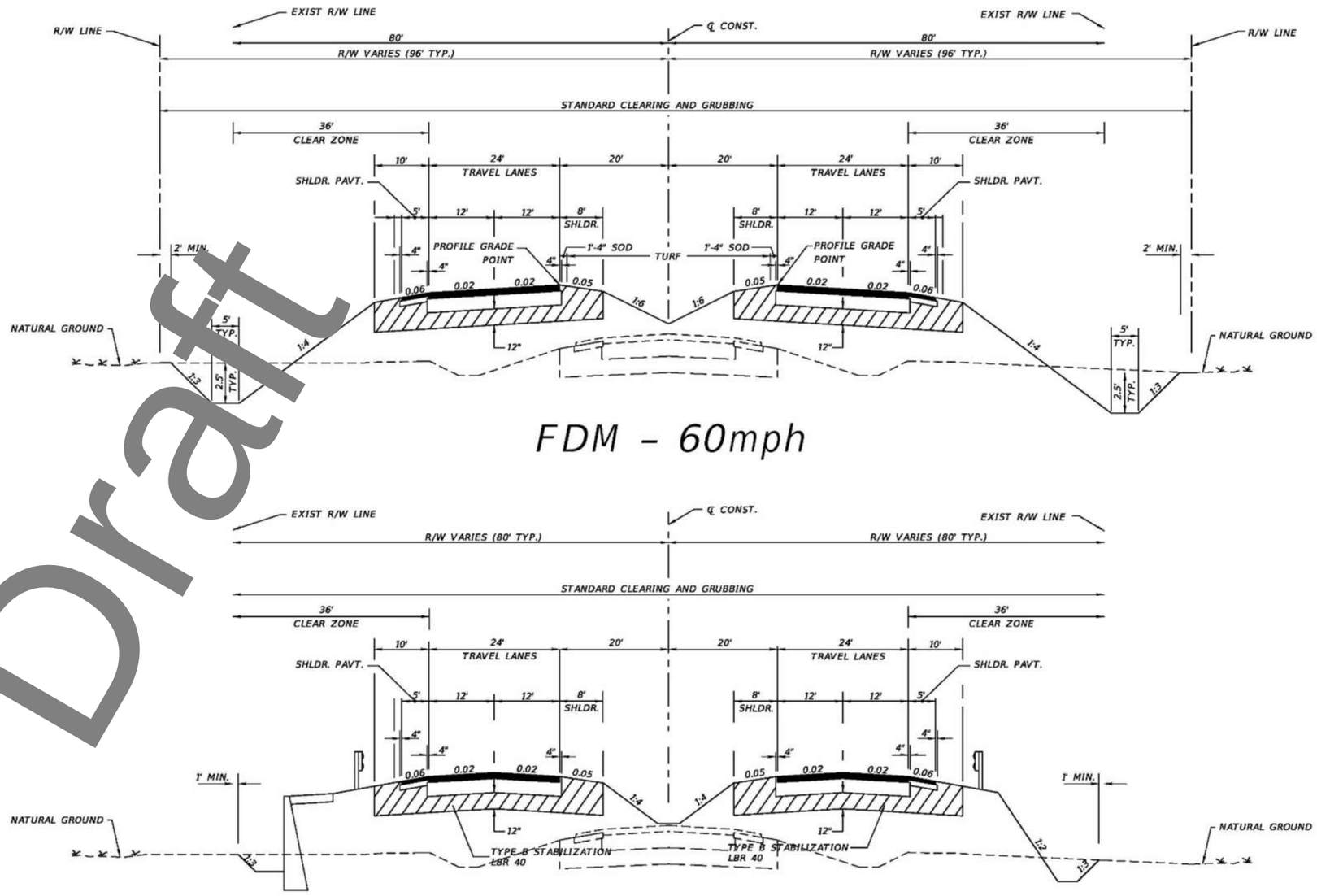
Figure B13: SR 700 Typical Section



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REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 700 (US 98) POLK COUNTY TO US 301	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 700	PASCO	XXXXXX-X-52-01		TS-1

$USER$ $DATE$ $TIME$ $MODELNAME$ $FILE$

Figure B14: National Wetland Inventory Map

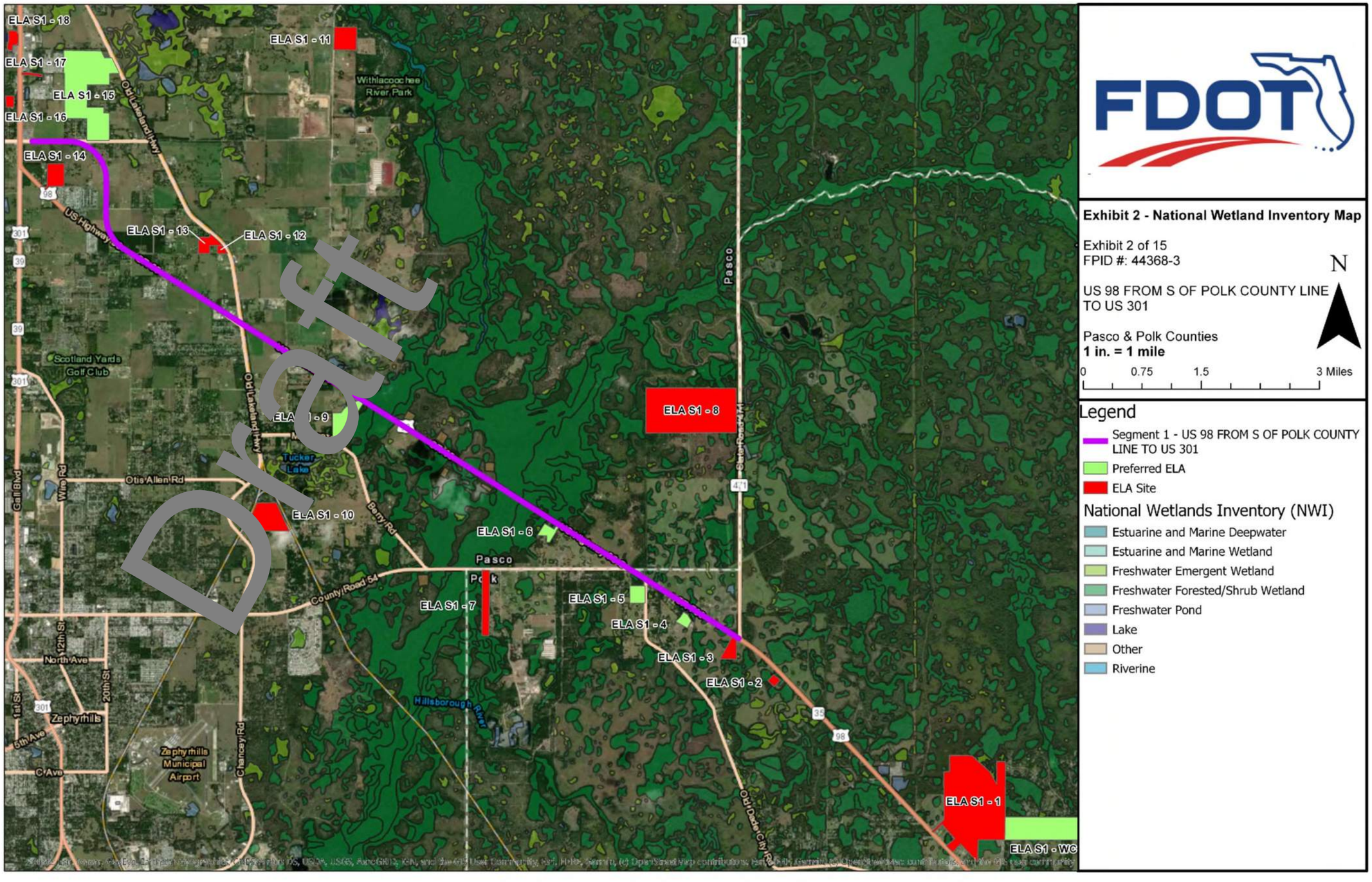


Figure B15: FEMA Map

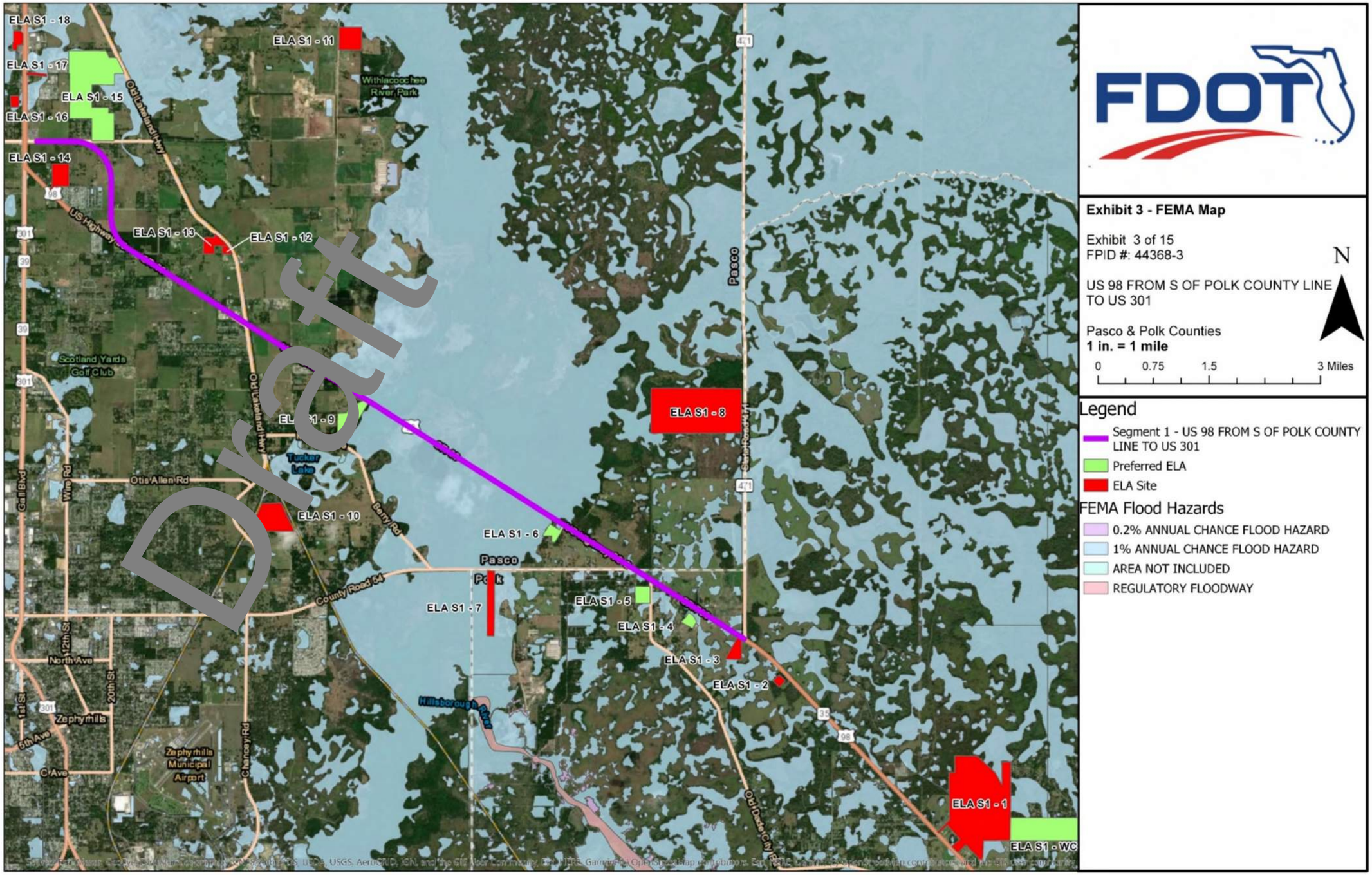


Figure B16: Land Use Map

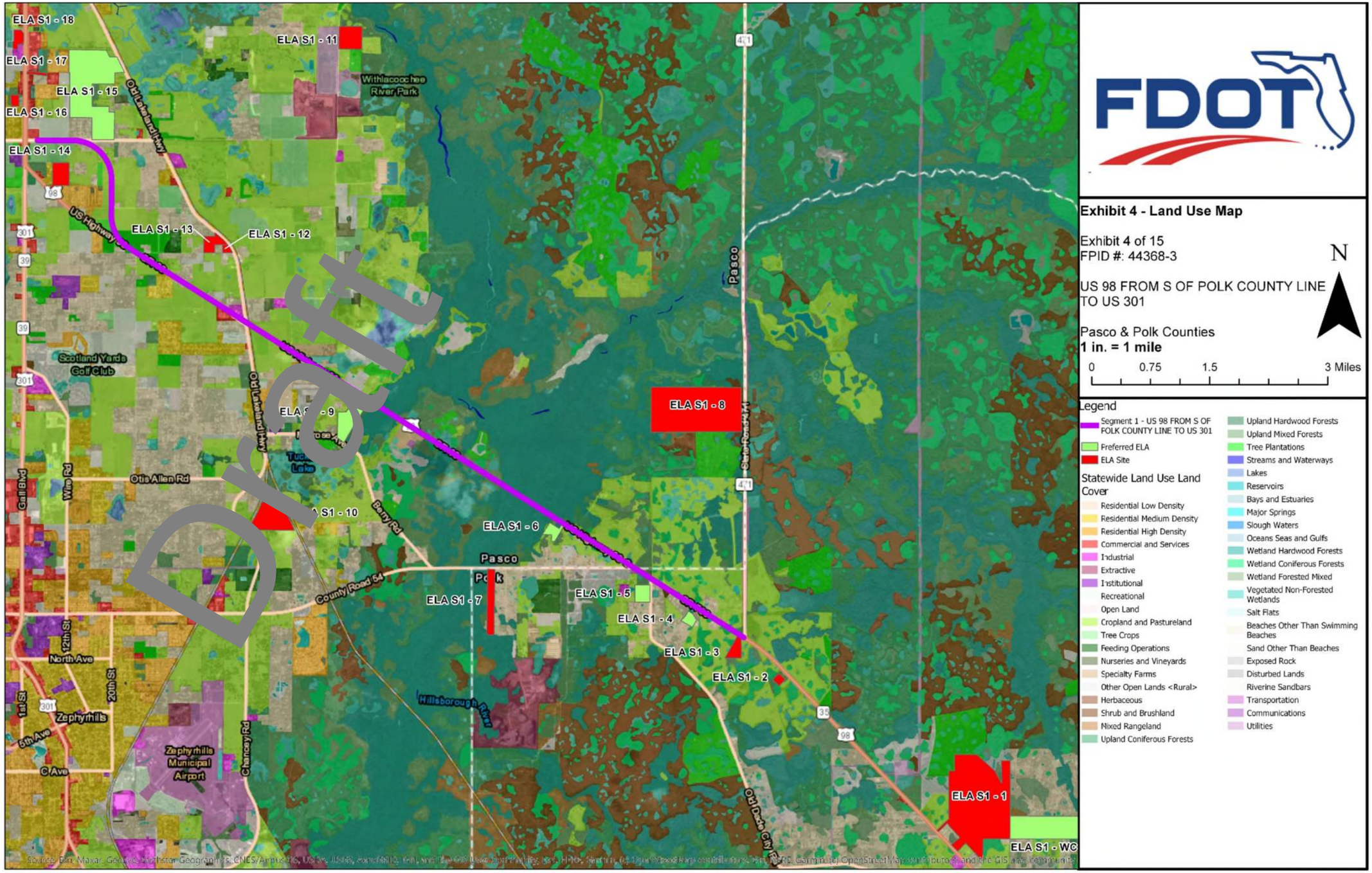


Figure B17: Hydrologic Soil Group Map

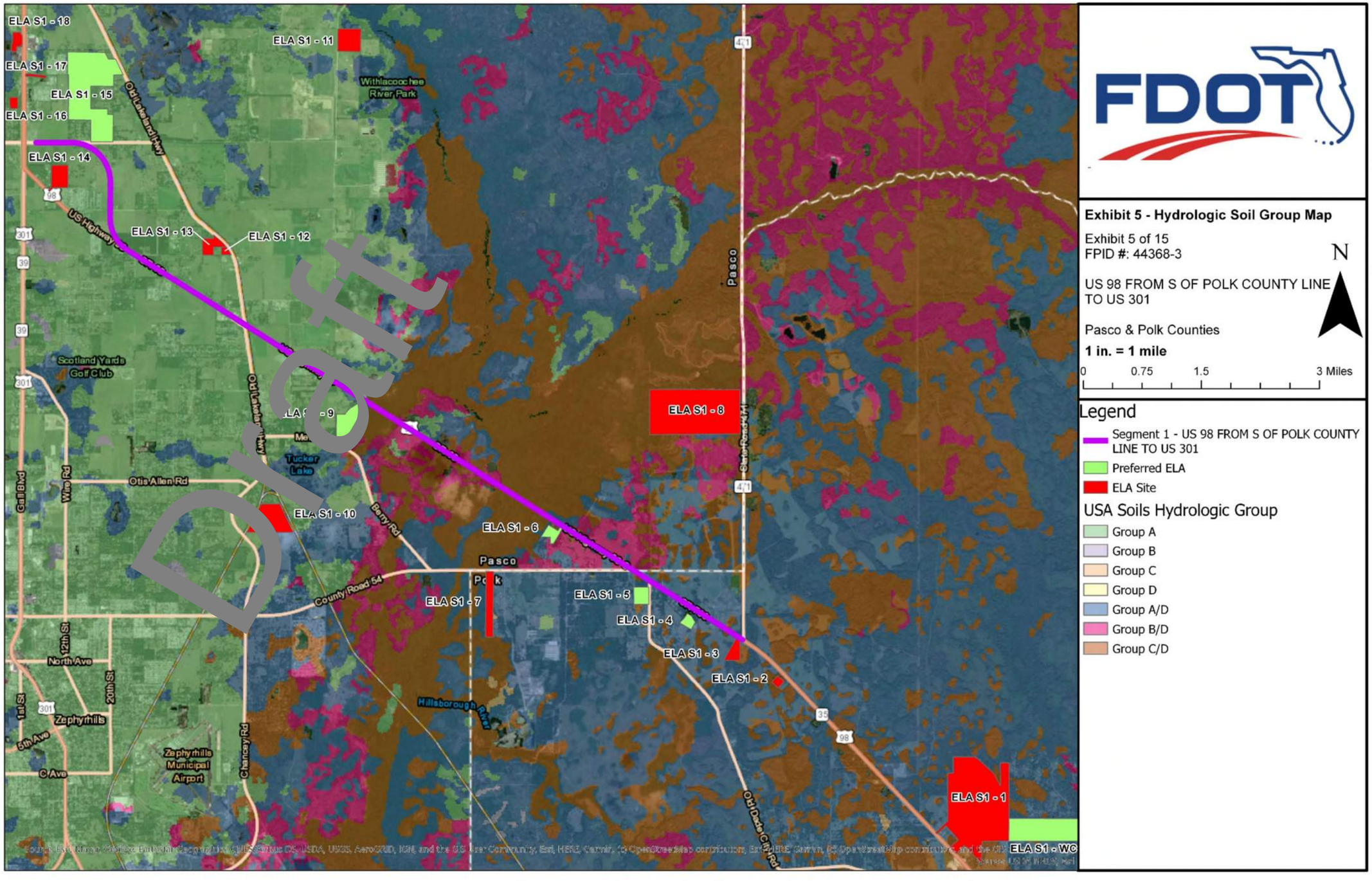


Figure B18: Outstanding Florida Water Map

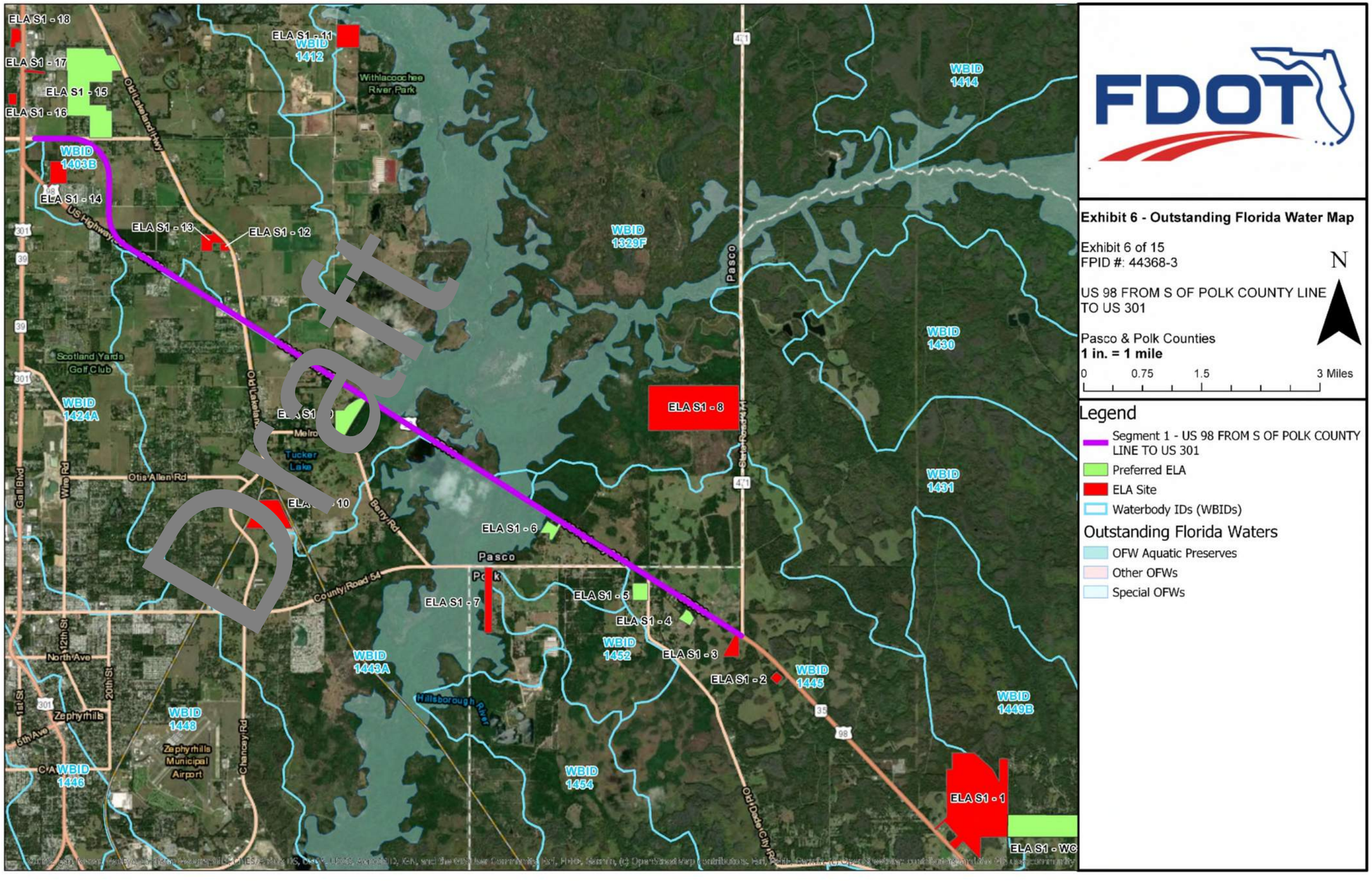
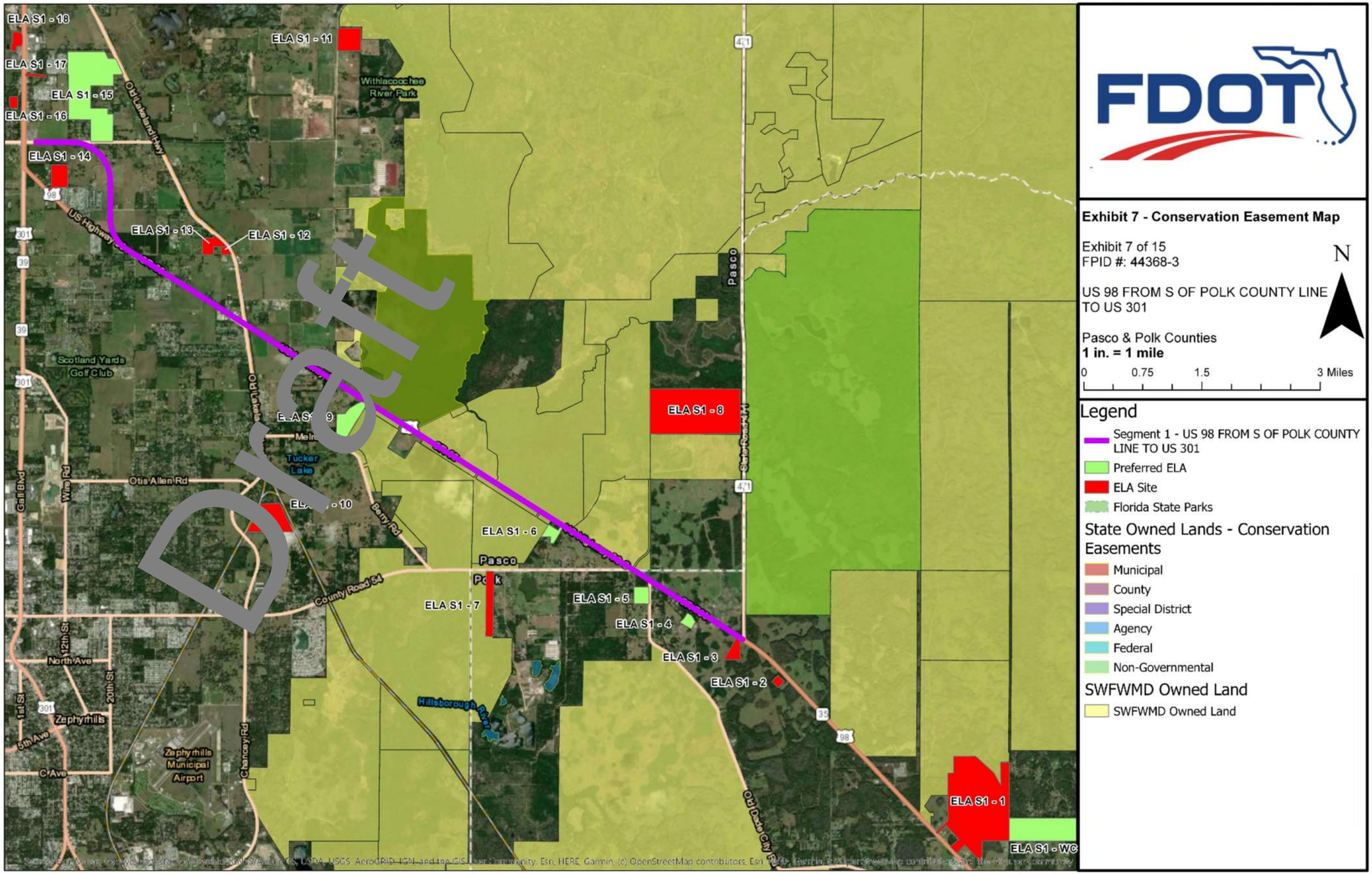


Figure B19: Conservation Easement Map



Appendix C: DRAINAGE MAPS

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Figure B20: Drainage Map 1

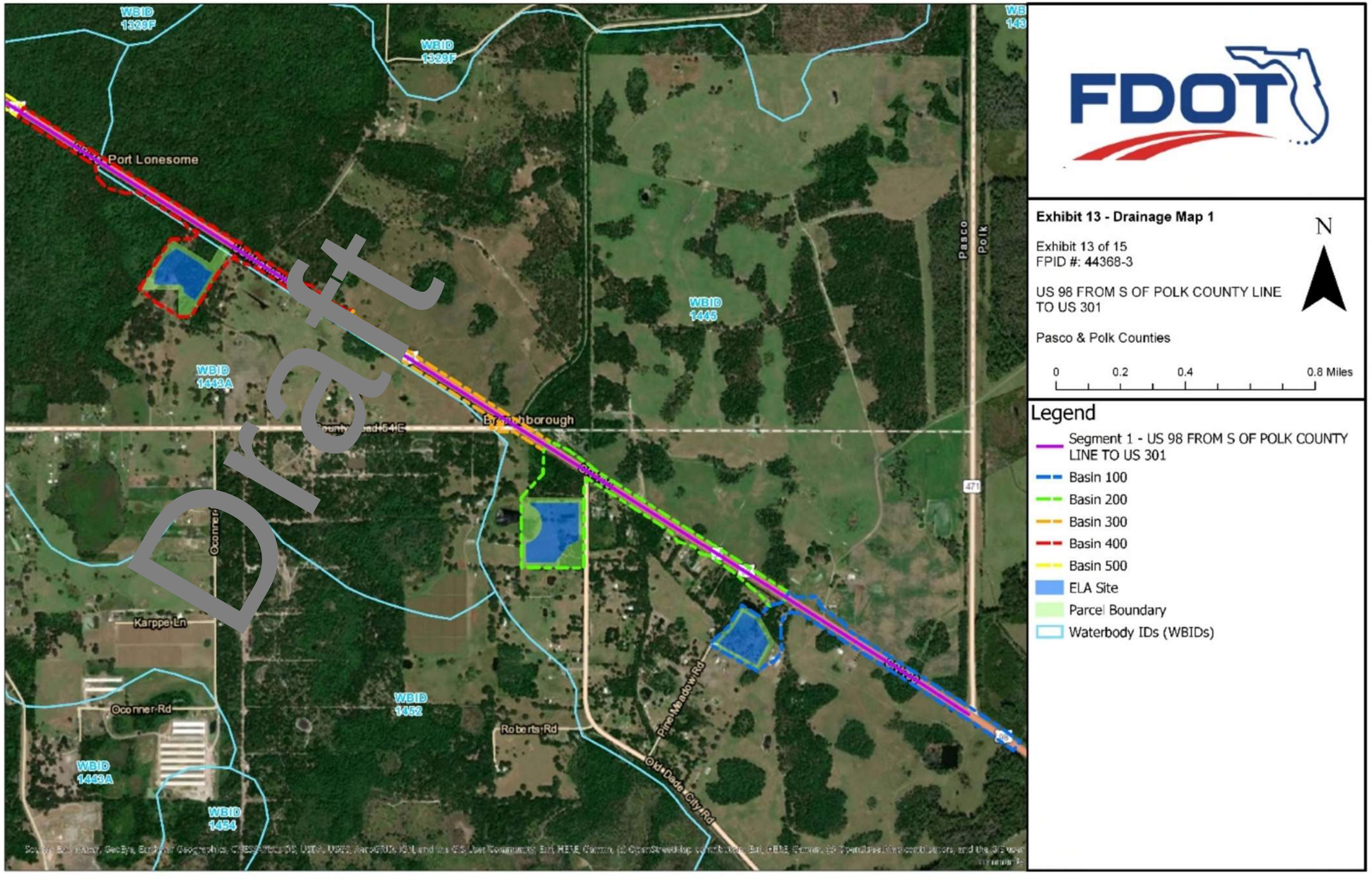


Figure B21: Drainage Map 2

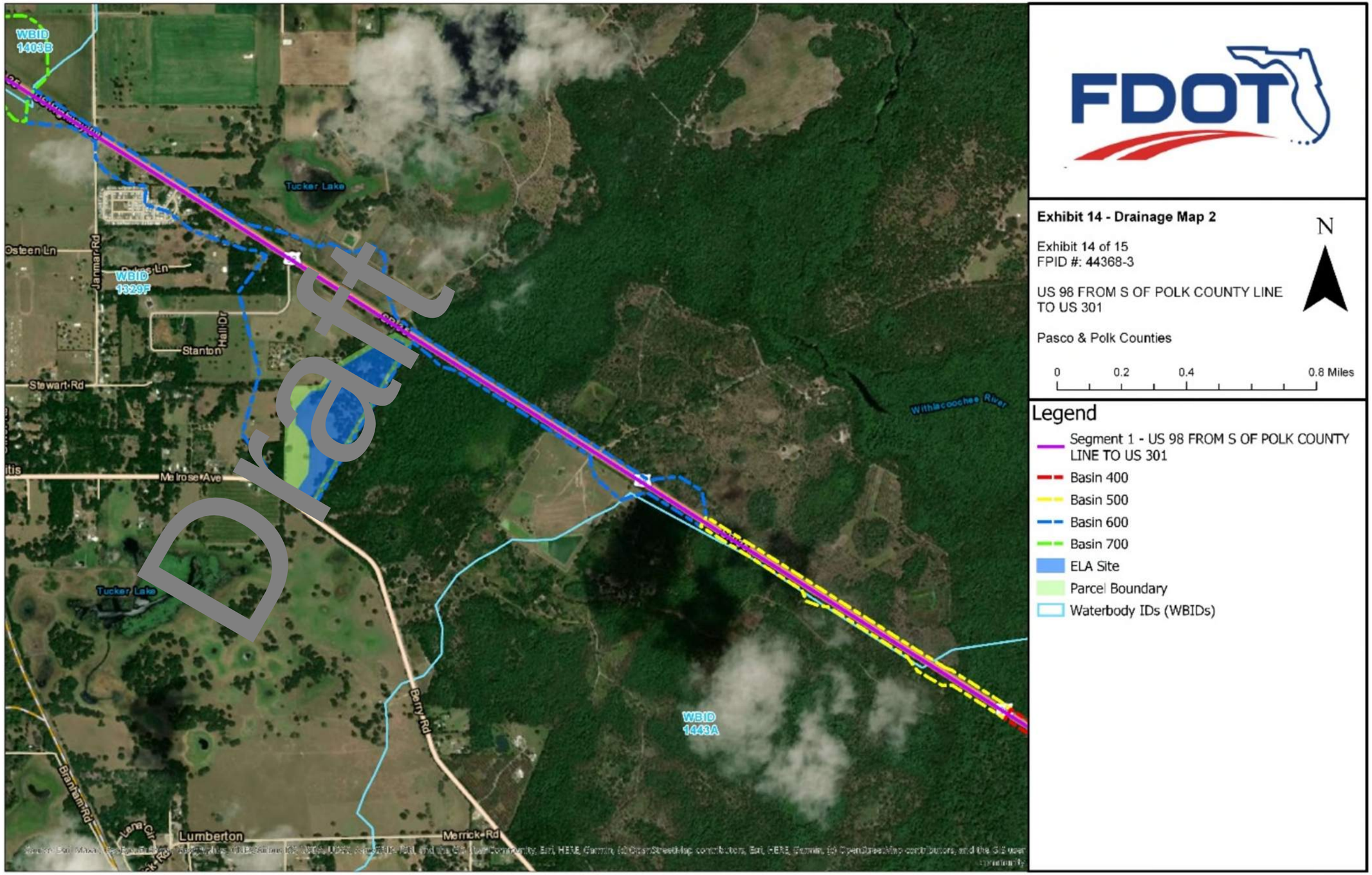
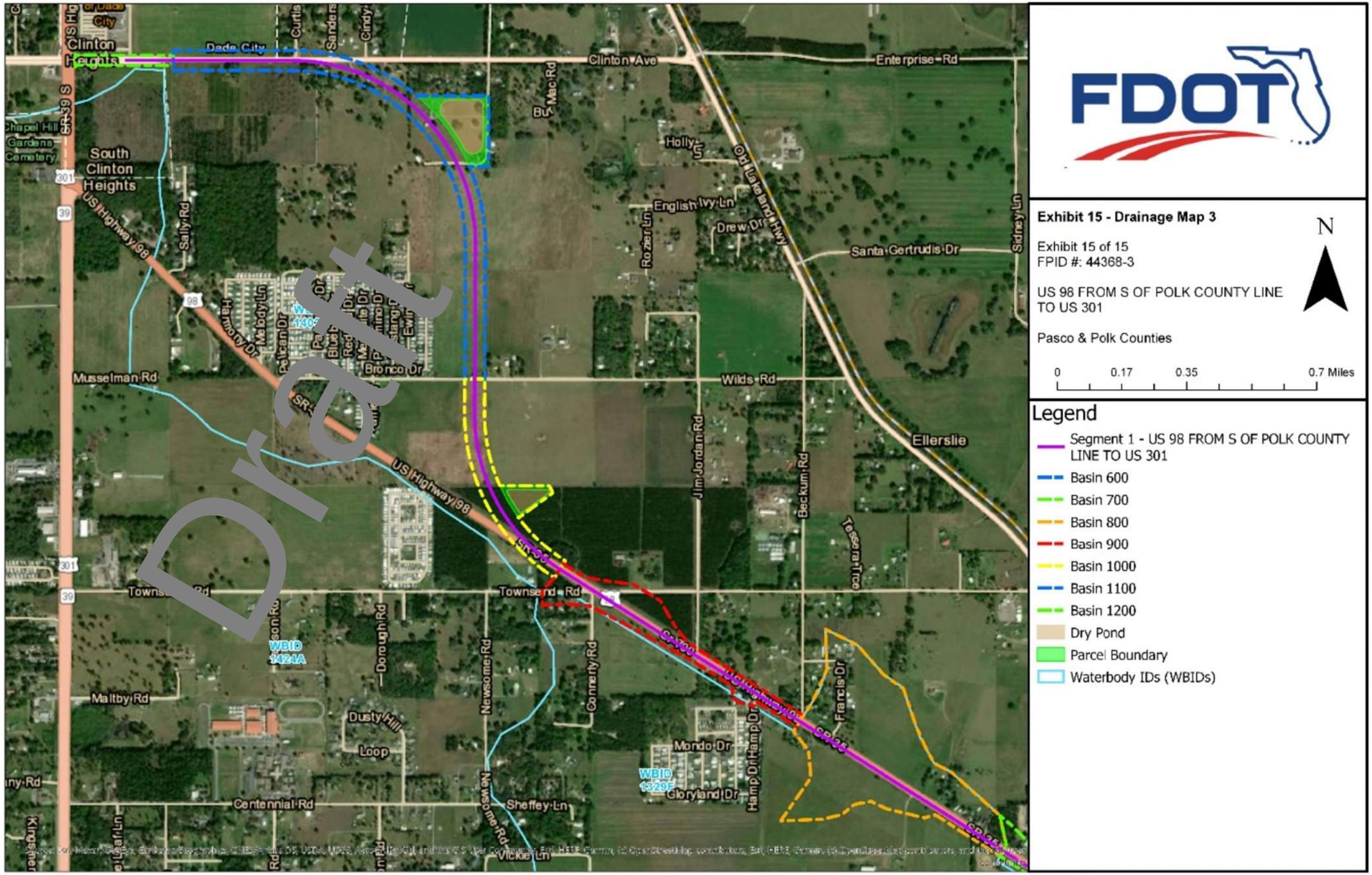


Figure B22: Drainage Map 3



Appendix D: BMP Trains Calculations

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Project: US 98 Segment 1 - 1403B

Date: 10/02/2020

Catchment Information

Analysis: BMP Analysis

Catchment Name	1403B
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall (in)	51.00
Pre-Condition Landuse Information	
Pre-Condition Land use	User Defined Values
Pre-Condition Area (acres)	168.30
Pre-Rational Coefficient (0-1)	0.01
Pre-Non DCIA Curve Number	43.60
Pre-DCIA Percent (0-100)	0.00
Pre-Nitrogen EMC (mg/l)	1.580
Pre-Phosphorus EMC (mg/l)	0.22
Pre-Runoff Volume (ac-ft/yr)	10.4[illegible]3
Pre-Nitrogen Loading (kg/yr)	20.34
Pre-Phosphorus Loading (kg/yr)	[illegible]46
Post-Condition Land Use Information	
Post-Condition Land use	User Defined Values
Post-Condition Area (acres)	168.30
Post-Rational Coefficient (0-1)	0.02
Post-Non DCIA Curve Number	[illegible]
Post-DCIA Percent (0-100)	0.00
Post-Nitrogen EMC (mg/l)	1.520
Post-Phosphorus EMC (mg/l)	0.200
Post-Runoff Volume (ac-ft/yr)	14.723
Post-Nitrogen Loading (kg/yr)	27.594
Post-Phosphorus Loading (kg/yr)	3.631

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Project: US 98 Segment 1 - 1403B

Date: 10/02/2020

Catchment Information

Analysis: BMP Analysis

Catchment Name	1403B
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall (in)	51.00
Pre-Condition Land use Information	
Pre-Condition Land use	Agricultura Ge ral: TN 800 =0.487
Pre-Condition Area (acres)	200.00
Pre-Rational Coefficient (0-1)	0.01
Pre-Non DCIA Curve Number	39.00
Pre-DCIA Percent (0-100)	0.00
Pre-Nitrogen EMC (mg/l)	2.800
Pre-Phosphorus EMC (mg/l)	0.48
Pre-Runoff Volume (ac-ft/yr)	8.67
Pre-Nitrogen Loading (kg/yr)	29.9
Pre-Phosphorus Loading (kg/yr)	06
Post-Condition Land Use Inf mation	
Post-Condition Land use	Highwa TN=1.520 TP=0.200
Post-Condition Area (acres)	200.00
Post-Rational Coefficient (0-1)	0.01
Post-Non DCIA Curve Number	3
Post-DCIA Percent (0-100)	0.00
Post-Nitrogen EMC (mg/l)	1.520
Post-Phosphorus EMC (mg/l)	0.200
Post-Runoff Volume (ac-ft/yr)	8.670
Post-Nitrogen Loading (kg/yr)	16.249
Post-Phosphorus Loading (kg/yr)	2.138

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Project: Tree Farm Segment 1 - 1449B

Date: 10/02/2020

Catchment Information

Analysis: BMP Analysis

Catchment Name	1449B Tree Farm
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall (in)	51.00
Pre-Condition Land use Information	
Pre-Condition Land use	Agricultural General: TR[illegible]800 [illegible]=0.487
Pre-Condition Area (acres)	158.00
Pre-Rational Coefficient (0-1)	0.12
Pre-Non DCIA Curve Number	79.00
Pre-DCIA Percent (0-100)	0.00
Pre-Nitrogen EMC (mg/l)	2.800
Pre-Phosphorus EMC (mg/l)	0.48[illegible]
Pre-Runoff Volume (ac-ft/yr)	82.7[illegible]9
Pre-Nitrogen Loading (kg/yr)	285.[illegible]
Pre-Phosphorus Loading (kg/yr)	[illegible]676
Post-Condition Land Use Information	
Post-Condition Land use	User Defined Values
Post-Condition Area (acres)	158.00
Post-Rational Coefficient (0-1)	0.93
Post-Non DCIA Curve Number	1[illegible]0
Post DCIA Percent (0-100)	0.00
Post-Nitrogen EMC (mg/l)	0.000
Post-Phosphorus EMC (mg/l)	0.000
Post-Runoff Volume (ac-ft/yr)	622.928
Post-Nitrogen Loading (kg/yr)	0.000
Post-Phosphorus Loading (kg/yr)	0.000

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Appendix E: SWFWMD Pre-Application Meeting Minutes

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THIS FORM IS INTENDED TO FACILITATE AND GUIDE THE DIALOGUE DURING A PRE-APPLICATION MEETING BY PROVIDING A PARTIAL "PROMPT LIST" OF DISCUSSION SUBJECTS. IT IS NOT A LIST OF REQUIREMENTS FOR SUBMITTAL BY THE APPLICANT.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
RESOURCE REGULATION DIVISION
PRE-APPLICATION MEETING NOTES

FILE NUMBER:

PA 407789

Date:	07/29/2020		
Time:	10:00		
Project Name:	FDOT US 98 widening from SR 54 to SR 50		
District Engineer:	Scott VanOrsdale		
District ES:	Lauren Greenawalt		
Attendees:	Nate Johnson, Tech Wells, Christian Gyle, Walter Nemecek, Tony Celani, Craig Fox, Ashley Henzel, Todd Laine, Tori Kuba, Abdul Waris,		
County:	Pasco	**Sec/Twp/Rge:**	Multiple S/T/R
Total Land Acreage:	N/A	**Project Acreage:**	acres

Prior On-Site/Off-Site Permit Activity:

- Numerous ERP Permits located within or adjacent to the roadway, all impacted ERPs will need to be modified.

Project Overview:

- FDOT US 98 widening from SR 54 to SR 50 from 2 lanes to 4 lanes. Project will be submitted in segments; it is highly recommended that follow up pre-app meetings are held when more specific design concepts can be provided.
- High overview discussion for the widening on US 98 from SR 54 to SR 50.
- Discussed if there were any CFI or SWIM projects that roadway project can be party to. Contact Pasco County and the other local municipalities for information related to any upcoming or ongoing projects. For projects related to municipalities you can contact our Government Affairs Regional Manager Frank Gargano etx. 4759. For possible SWIM projects contact Will VanGorder ext. 2206.
- Unknown if there are any point source areas within the US 98 limits between SR 54 and SR 50.
- Floodplain limits should be determined utilizing best available information. In areas where a watershed study is not available, it may be required to match the 100-year floodplain limits.
- Storage modeling or cup or cup compensation are both viable options for floodplain compensation. Impacts to a flood way may require modeling in addition to cup for cup compensation.
- Talked about impaired waterbodies in OFWs: The treatment required for an impaired waterbody that is also classified as an OFW will be the required net improvement treatment volumes depending on the treatment type(s) selected. However, this volume must not be less than the presumptive treatment volume plus 50% to meet the OFW Criteria.
- OFW treatment is required for all direct discharges into an OFW.
- Existing land uses for the net improvement analysis will be the historic land uses. Regional net improvement solutions can be considered to compensate for the lack of direct or inline solutions.
- Adding nutrient removal systems to existing drainage system is a viable option, as long as the existing systems are not adversely impacted.
- To consider the pre-development condition/ land use as agriculture pasture, the property would need to be in continuous use as an agriculture pasture for a long period of time. Typically, we consider a historic use as something that has been in operation for many years. I recent land use change of a short period of time, for example two years, would not be sufficient to consider the land use as agriculture.
- Discussed getting a land use change for removing cattle or agriculture practices off existing historical pastures. This may be possible using the BMPTrains and legal instruments to prohibit the land use from agriculture proposes. The post-development land use for properties effected by this change would be the appropriate undeveloped condition. Applicant must have legal control of the property.
- Discussed A/D soil classification; this soil can be classified as Group A when well drained, otherwise this soil type will be classified as group D.
- Also discussed if grass swales would be counted as DCIA. Per Section 4.5, A.H.V.II, grass swales would not be included in the DICA area. Only the new impervious area plus existing impervious area that directly connected would be used to determine the treatment volume.

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Environmental Discussion: (Wetlands On-Site, Wetlands on Adjacent Properties, Delineation, T&E species, Easements, Drawdown Issues, Setbacks, Justification, Elimination/Reduction, Permanent/Temporary Impacts, Secondary and Cumulative Impacts, Mitigation Options, SHWL, Upland Habitats, Site Visit, etc.)

- Provide the limits of jurisdictional wetlands and surface waters. Roadside ditches or other water conveyances, including permitted and constructed water conveyance features, can be claimed as surface waters per Chapter 62-340 F.A.C. if they do not meet the definition of a swale as stated under Rule 403.803 (14) F.S.
- Provide appropriate mitigation using UMAM for impacts, if applicable.
- If the wetland mitigation is appropriate and the applicant is proposing to utilize mitigation bank credit as wetland mitigation, the following applies: Provide letter or credit availability or, if applicable, a letter of reservation from the wetland mitigation bank. The wetland mitigation bank service area and current ledgers can be found out the following link: https://www.swfwmd.state.fl.us/business/epermitting/environmental-resource-permit, Goto "ERP Mitigation Bank Wetland Credit Ledgers"
- Demonstrate elimination and reduction of wetland impacts.
- Maintain minimum 15 foot, average 25 foot wetland conservation area setback or address secondary impacts.
- Determine SHWL's at pond locations, wetlands, and OSWs.
- Determine normal pool elevations of wetlands.
- Determine 'pop-off' locations and elevations of wetlands.
- As of October 1, 2017, the District will no longer send a copy of an application that does not qualify for a State Programmatic General Permit (SPGP) to the U.S. Army Corps of Engineers. If a project does not qualify for a SPGP, you will need to apply separately to the Corps using the appropriate federal application form for activities under federal jurisdiction. Please see the Current Jacksonville District Regulatory Division Sourcebook for more information about federal permitting. Please contact your local Corps office if you have questions about federal permitting. Link: http://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/

Site Information Discussion: (SHW Levels, Floodplain, Tailwater Conditions, Adjacent Off-Site Contributing Sources, Receiving Waterbody, etc.)

- Existing roadway/intersections – US 98 from SR 50 to SR 50
- Watersheds – project will involve several watershed studies. Contact the watershed group for more information related to the watershed studies.
- WBIDs need to be independently verified by consultant – Please review the following link to determine the impaired waterbodies, TMDLs or BMAPs associated with the project. Water Quality Assessments, TMDLs, and BMAPs
- Portions of the project will be discharging to impaired waters.
- Portions of the project may discharge to closed basins, applicant to determine.
- OFW – Withlacoochee River System
- Document/justify SHWE's at pond locations, wetlands, and OSWs.
- Determine normal pool elevations of wetlands.
- Determine 'pop-off' locations and elevations of wetlands.
- Provide documentation to support tailwater conditions for quality and quantity design
- Proposed control structures in wetlands should be consistent with existing 'pop-off' elevations of wetlands; demonstrate no adverse impacts to wetland hydroperiod for up to 2.33yr mean annual storm.
- Minimum flows and levels of receiving waters shall not be disrupted.
- Contamination issues need to be resolved with the FDEP. Check FDEP MapDirect layer for possible contamination points within/adjacent to the project area. FDEP MapDirect Link
  For known contamination within the site or within 500' beyond the proposed stormwater management system:
  - after the application is submitted, please contact FDEP staff listed below and provide them with the ERP Application ID # along with a mounding analysis (groundwater elevation versus distance) of the proposed stormwater management system that shows the proposed groundwater mound will not adversely impact the contaminated area. FDEP will review the plans submitted to the District and mounding analysis to determine any adverse impacts. Provide documentation from FDEP that the proposed construction will not result in adverse impacts. This is required prior to the ERP Application being deemed complete.
  - If a SWMS is to be constructed within a contamination zone area, a groundwater sample collected from the first aquifer water bearing zone (i.e. zone of saturation or first zone that the water table is encountered) will most likely be required.
  For known offsite contamination between 500' and 1500' beyond the site:

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- FDEP may also require a mounding analysis (groundwater elevation versus distance) for the proposed stormwater systems. SWFWMD will issue the permit when contamination sites are located outside the 500 ft radius prior to concurrence from DEP, however, it is the Permittee's responsibility to resolve contaminated site assessment concerns with the FDEP prior to beginning any construction activities. A permit condition will be used to reiterate this. You are advised to contact DEP as soon as possible, preferably during permit application period.

FDEP Contacts:

- For projects located within Citrus, Hernando, Pasco, Hillsborough, Pinellas, Manatee, Polk and Hardee Counties: Yanisa Angulo yanisa.angulo@floridadep.gov

- District owned lands adjacent to project area. Contact Steven Blaschka ext. 4459, if a work license or easement is required on District. You may also want to contact land management, Manger for that section is Chris Reed, ext 4466 or Carmen Sanders, ext 4477.
- Stormwater retention and detention systems are classified as moderate sanitary hazards with respect to public and private drinking water wells. Stormwater treatment facilities shall not be constructed within 100 feet of an existing public water supply well and shall not be constructed within 75 feet of an existing private drinking water well. Subsection 4.2, A.H.V.II.
- Any wells on site should be identified and their future use/abandonment must be designated.
- District data collection site may be impacted by proposed construction. Contact data.maps@watermatters.org to coordinate relocation of District data collection site.

Water Quantity Discussions: (Basin Description, Storm Event, Pre/Post Volume, Pre/Post Discharge, etc.)

- Demonstrate that post development peak discharges from proposed project area will not cause an adverse impact for a 25-year, 24-hour storm event.
- For projects or portions of projects that discharge to a closed basin, limit the post-development 100-year discharge volume to the pre-development 100-year, 24-hour volume.
- Demonstrate that site will not impede the conveyance of contributing off-site flows.
- Demonstrate that the project will not increase flood stages up- or down-stream of the project area(s).
- Provide equivalent compensating storage for all 100-year, 24-hour riverine floodplain impacts if applicable. Providing cup-for-cup storage in dedicated areas of excavation is the preferred method of compensation. if no impacts to flood conveyance are proposed and storage impacts and compensation occur within the same basin. In this case, tabulations should be provided at 0.5-foot increments to demonstrate encroachment and compensation occur at the same levels. Otherwise, storage modeling will be required to demonstrate no increase in flood stages will occur on adjacent properties using the mean annual, 10-year, 25-year, and 100-year storm events for the pre- and post-development conditions.
- Please be aware that if there is credible historical evidence of past flooding or the physical capacity of the downstream conveyance or receiving waters indicates that the conditions for issuance will not be met without consideration of storm events of different frequency or duration, applicants shall be required to provide additional analyses using storm events of different duration or frequency than the 25-year 24-hour storm event, or to adjust the volume, rate or timing of discharges. [Section 3.0 Applicant's Handbook Volume II]

Water Quality Discussions: (Type of Treatment, Technical Characteristics, Non-presumptive Alternatives, etc.)

- If the project discharges to an impaired water body, must provide a net environmental improvement.
- Applicant must demonstrate a net improvement for the parameters of concern by performing a pre/post pollutant loading analysis based on existing land use and the proposed land use.
- Also, replace treatment function of existing ditches to be filled.
- Presumptive Water Quality Treatment for Alterations to Existing Public Roadway Projects:
  -Refer to Section 4.5 A.H.V.II for Alterations to Existing Public Roadway Projects.
  -Refer to Sections 4.8, 4.8.1 and 4.8.2 A.H.V.II for Compensating Stormwater Treatment, Overtreatment, and Offsite Compensation.
  -All co-mingled existing & new impervious that is proposed to be connected to a treatment pond will require treatment for an area equal to the co-mingled existing & new impervious (times ½" for dry treatment or 1" for wet treatment). This applies whether or not equivalent treatment concepts are used.
  -However, if equivalent treatment concepts are used it is possible to strategically locate the pond(s) so that the minimum treatment requirement may be for an area equivalent to the new impervious area only. That is, co-mingled existing & new impervious that is not connected to a treatment pond may bypass treatment (as per Section 4.5(2), A.H.V.II); if the 'total impervious area' that is connected to the treatment pond(s) is at

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least equivalent to the area of new impervious only. The 'total impervious area' that is connected to the pond(s) may be composed of co-mingled existing & new impervious.
-Offsite impervious not required to be treated; but may be useful to be treated when using equivalent treatment concepts.
-Existing treatment capacity displaced by any road project will require additional compensating volume. Refer to Subsection 4.5(c), A.H.V.II.

- Will acknowledge compensatory treatment to offset pollutant loads associated with portions of the project area that cannot be physically treated.
- Provide additional 50% treatment for any direct discharges to OFW. Refer to ERP Applicant's Handbook Vol. II Subsection 4.1(f).
- Please be advised that although use of isolated wetlands for ERP treatment purposes is permittable as per Section 4.1(a)(3), A.H.V.II, use of isolated wetlands for treatment purposes may not necessarily meet US Army Corps criteria.

Sovereign Lands Discussion: (Determining Location, Correct Form of Authorization, Content of Application, Assessment of Fees, Coordination with FDEP)

- The project may be located within state owned sovereign submerged lands (SSSL). Be advised that a title determination will be required from FDEP to verify the presence and/or location of SSSL.
- If use of SSSL is proposed, authorization will be required. Refer to Chapter 18-21, F.A.C. and Chapter 18-20, F.A.C. for guidance on projects that impact SSSL and Aquatic Preserves.
- Include discussion on the potential type of SSSL authorization that may be required. Refer to Chapter 18-21.005, F.A.C.
- Coordination with the Tampa Port Authority for projects located in Hillsborough County is recommended.

Operation and Maintenance/Legal Information: (Ownership or Perpetual Control, O&M Entity, O&M Instructions, Homeowner Association Documents, Coastal Zone requirements, etc.)

- The permit must be issued to entity that owns or controls the property.
- Provide evidence of ownership or control by deed, easement, contract for purchase, etc. Evidence of ownership or control must include a legal description. A Property Appraiser summary of the legal description is NOT acceptable.

Application Type and Fee Required:

- SWERP Individual Permit – Sections A, C, and F of the ERP Application. Roadway improvements will likely be submitted in segments. Some common fees for large roadway projects listed below.
- < 100 acres of project area and < 1 acre of wetland or surface water impacts - $2,798.25 Online Submittal
- < 640 acres of project area and < 50 acre of wetland or surface water impacts - $3,105.75
- Consult the fee schedule for different thresholds

Other: (Future Pre-Application Meetings, Fast Track, Submittal Date, Construction Start Date, Required District Permits – WUP, WOD, Well Construction, etc.)

- An application for an individual permit to construct or alter a dam, impoundment, reservoir, or appurtenant work, requires that a notice of receipt of the application must be published in a newspaper within the affected area. Provide documentation that such noticing has been accomplished. Note that the published notices of receipt for an ERP can be in accordance with the language provided in Rule 40D-1.603(10), F.A.C.

- Provide a copy of the legal description (of all applicable parcels within the project area) in one of the following forms:
  a. Deed with complete Legal Description attachment.
  b. Plat.
  c. Boundary survey of the property(ies) with a sketch.

- The plans and drainage report submitted electronically must include the appropriate information required under Rules 61G15-23.005 and 61G15-23.004 (Digital), F.A.C. The following text is required by the Florida Board of Professional Engineers (FBPE) to meet this requirement when a digitally created seal is not used and must appear where the signature would normally appear:

  ELECTRONIC (Manifest): *[NAME] State of Florida, Professional Engineer, License No. [NUMBER] This item has been electronically signed and sealed by [NAME] on the date indicated here using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies*

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DIGITAL: *[NAME] State of Florida, Professional Engineer, License No. [NUMBER]; This item has been digitally signed and sealed by [NAME] on the date indicated here; Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.*

- Provide soil erosion and sediment control measures for use during construction. Refer to ERP Applicant's Handbook Vol. 1 Part IV Erosion and Sediment Control.
- Demonstrate that excavation of any stormwater ponds does not breach an aquitard (see Subsection 2.1.1, A.H.V.II) such that it would allow for lesser quality water to pass, either way, between the two systems. In those geographical areas of the District where there is not an aquitard present, the depth of the pond(s) shall not be excavated to within two (2) feet of the underlying limestone which is part of a drinking water aquifer. [Refer to Subsection 5.4.1(b), A.H.V.II]
- If lowering of SHWE is proposed, then burden is on Applicant to demonstrate no adverse onsite or offsite impacts as per Subsection 3.6, A.H.V.II. Groundwater drawdown 'radius of influence' computations may be required to demonstrate no adverse onsite or offsite impacts. Please note that new roadside swales or deepening of existing roadside swales may result in lowering of SHWE. Proposed ponds with control elevation less than SHWE may result in adverse lowering of onsite or offsite groundwater.

Disclaimer: The District ERP pre-application meeting process is a service made available to the public to assist interested parties in preparing for submittal of a permit application. Information shared at pre-application meetings is superseded by the actual permit application submittal. District permit decisions are based upon information submitted during the application process and Rules in effect at the time the application is complete.

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THIS FORM IS INTENDED TO FACILITATE AND GUIDE THE DIALOGUE DURING A PRE-APPLICATION MEETING BY PROVIDING A PARTIAL "PROMPT LIST" OF DISCUSSION SUBJECTS. IT IS NOT A LIST OF REQUIREMENTS FOR SUBMITTAL BY THE APPLICANT.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
RESOURCE REGULATION DIVISION
PRE-APPLICATION MEETING NOTES

FILE NUMBER:

PA 407957

Date:	10/1/2020
Time:	10:00
Project Name:	FDOT US 98 widening from SR 54 to SR 50
District Engineer:	Monte Ritter
District ES:	Kim Dymond
Attendees:	Nate Johnson Nathan.Johnson@arcadis.com , Tech Wells, Walter Nemecek, Christian Gyle, Tony Celani
County:	Pasco/Hernando
Total Land Acreage:	
Sec/Twp/Rge:	11,13,14/25/21; 18-20,27-29,34,35/25/22 26,27,35/24/21; 11-14,22,23,26/23/21
Project Acreage:	acres

Prior On-Site/Off-Site Permit Activity:

- Previous Pre App 407789; Numerous ERP's within the project corridor.

Project Overview:

- Proposed road widening from two to four lanes along US 98 and 301 between CR 54 at the Pasco/Polk county line and SR 50 in Hernando County. Project will be completed in four segments: (1) US 98 from CR 54 to US 301, (2) The US 301 Dade City Bypass, (3) US 301 from US 98 to the Withlacoochee River, (4) US 301 from the Withlacoochee River to SR 50.
- Meeting focused on a high-level discussion of regional facilities for treatment and floodplain compensation. Regional treatment facilities may be feasible if treatment facility is placed upstream of project and is connected to the same waterbody which receives untreated runoff. BMPTRAINS will be used to show treatment removal efficiencies of regional system will be equal to, or greater than presumptive criteria. Wetlands and wet ponds will not be included as part of the catchment areas in the BMPTRAINS analyses.

Environmental Discussion: (Wetlands On-Site, Wetlands on Adjacent Properties, Delineation, T&E species, Easements, Drawdown Issues, Setbacks, Justification, Elimination/Reduction, Permanent/Temporary Impacts, Secondary and Cumulative Impacts, Mitigation Options, SHWL, Upland Habitats, Site Visit, etc.)

- Not discussed.

Site Information Discussion: (SHW Levels, Floodplain, Tailwater Conditions, Adjacent Off-Site Contributing Sources, Receiving Waterbody, etc.)

- Watersheds – New River/Upper Hillsborough, East Pasco, Duck Lake, Dade City, Eastern Hernando. 100-year floodplain onsite per watershed studies. Contact Jessica Hendrix at Ext 4217 if copies of the watershed studies are needed. Section 3.4 of the ERP AHVII requires that flood elevation need to be determined from the most accurate information available.
- WBIDs – 1445, 1443A, 1329F, 1403B, 1424A, 1399, 1396, 1390. WBID 1443A is currently listed as impaired for Dissolved Oxygen. WBIDs need to be independently verified by the consultant
- Portions of project discharge to closed or volume sensitive basins
- OFW – Hillsborough River and Withlacoochee River System.
- Document/justify SHWE's at pond locations, wetlands, and OSWs.
- Provide documentation to support tailwater conditions for quality and quantity design. Can use data from watershed studies.
- Contamination issues need to be resolved with the FDEP. Check FDEP MapDirect layer for possible contamination points within/adjacent to the project area. FDEP Map Direct
  For known contamination within the site or within 500' beyond the proposed stormwater management system:
  - After the application is submitted, please contact FDEP staff listed below and provide them with the ERP Application ID # along with a mounding analysis (groundwater elevation versus distance) of the proposed stormwater management system that shows the proposed groundwater mound will not adversely impact the contaminated area. FDEP will review the plans submitted to the District and mounding analysis to

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determine any adverse impacts. Provide documentation from FDEP that the proposed construction will not result in adverse impacts. This is required prior to the ERP Application being deemed complete.
- If a SWMS is to be constructed within a contamination zone area, a groundwater sample collected from the first aquifer water bearing zone (i.e. zone of saturation or first zone that the water table is encountered) will most likely be required.
For known offsite contamination between 1500' and 500' beyond the site: - FDEP may also require a mounding analysis (groundwater elevation versus distance) for the proposed stormwater systems. SWFWMD will issue the permit when contamination sites are located outside the 500 ft radius prior to concurrence from DEP, however, it is the Permittee's responsibility to resolve contaminated site assessment concerns with the FDEP prior to beginning any construction activities. A permit condition will be used to reiterate this. You are advised to contact DEP as soon as possible, preferably during permit application period.
- FDEP Contacts:
- For projects located within Citrus, Hernando, Pasco, Hillsborough, Pinellas, Manatee, Polk and Hardee Counties: Yanisa Angulo Yanisa.angulo@floridadep.gov

- Any wells on site should be identified and their future use/abandonment must be designated.
- Stormwater retention and detention systems are classified as moderate sanitary hazards with respect to public and private drinking water wells. Stormwater treatment facilities shall not be constructed within 100 feet of an existing public water supply well and shall not be constructed within 75 feet of an existing private drinking water well. Subsection 4.2, A.H.V.II.
- District data collection sites (Site ID's 17716, 17717, [illegible] and 17[illegible]) at southern end of project between SR 54 and Stanton Hall Drive may be impacted by proposed construction. Contact the District's Data Steward at Data.Maps@watermatters.org under the subject line "PRIORITY ERP Data Evaluation" to coordinate protection or relocation of the data collection sites.

Water Quantity Discussions: (Basin Description, Storm Event, Pre/Post Volumes, Pre/Post Discharge, etc.)

- Demonstrate that post development peak discharges from proposed project area will not cause an adverse impact for a 25-year, 24-hour storm event.
- For projects or portions of projects that discharge to a closed or volume sensitive basin, limit the post-development 100-year, 24-hour discharge volume to the pre-development 100-year, 24-hour volume.
- Demonstrate that site will not impede the conveyance of contributing off-site flows.
- Demonstrate that the project will not increase flood stages up- or down-stream of the project area(s).
- Provide equivalent compensating storage for all 100-year, 24-hour floodplain impacts if applicable. Providing cup-for-cup storage in dedicated areas of excavation is the preferred method of compensation, if no impacts to flood conveyance are proposed and storage impacts and compensation occur within the same basin. In this case, tabulations should be provided at 0.5-foot increments to demonstrate encroachment and compensation occur at the same levels. Otherwise, storage modeling will be required to demonstrate no increase in flood stages will occur off-site properties, using the mean annual, 10-year, 25-year, and 100-year storm events for the pre- and post-development conditions.

Water Quality Discussions: (Type of Treatment, Technical Characteristics, Non-presumptive Alternatives, etc.)

- Presumptive Water Quality Treatment for Alterations to Existing Public Roadway Projects:
-Refer to Section 4.5 A.H.V.II for Alterations to Existing Public Roadway Projects.
-Refer to Sections 4.8, 4.8.1 and 4.8.2 A.H.V.II for Compensating Stormwater Treatment, Overtreatment, and Offsite Compensation.
-All co-mingled existing & new impervious that is proposed to be connected to a treatment pond will require treatment for an area equal to the co-mingled existing & new impervious (times ½" for dry treatment or 1" for wet treatment). This applies whether or not equivalent treatment concepts are used.
-However, if equivalent treatment concepts are used it is possible to strategically locate the pond(s) so that the minimum treatment requirement may be for an area equivalent to the new impervious area only. That is, co-mingled existing & new impervious that is not connected to a treatment pond may bypass treatment (as per Section 4.5(2), A.H.V.II); if the 'total impervious area' that is connected to the treatment pond(s) is at least equivalent to the area of new impervious only. The 'total impervious area' that is connected to the pond(s) may be composed of co-mingled existing & new impervious.
-Offsite impervious not required to be treated; but may be useful to be treated when using equivalent treatment concepts.
-Existing treatment capacity displaced by any road project will require additional compensating volume. Refer to Subsection 4.5(c), A.H.V.II.

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-Regional treatment systems can be used if they are strategically placed and benefit the same waters which receive untreated runoff from the project.

- Net improvement
  -Refer to rule 62-330.301(2), F.A.C.
  -Please verify accuracy of WBID boundaries and status of impairment.
  -The application must demonstrate a net improvement for nutrients for discharges into WBID 1443A. Applicant may demonstrate a net improvement for the parameters of concern by performing a pre/post pollutant loading analysis based on existing land use and the proposed land use. Refer to ERP Applicant's Handbook Vol. II Subsection 4.1(g).
  -Effluent filtration is known to be ineffective for treating nutrient related impairments, unless special nutrient adsorption media provided. However, please note special nutrient adsorption media has extremely low conductivity values compared to typical sand type effluent filtration filter media. Note: if treatment volume required for net improvement is less than the treatment volume required for 'presumptive' treatment, then use of effluent filtration is ok.

Sovereign Lands Discussion: (Determining Location, Correct Form of Authorization, Content of Application, Assessment of Fees, Coordination with FDEP)

- The project may be located within state owned sovereign submerged lands (SSSL). Be advised that a title determination will be required from FDEP to verify the presence and/or location of SSSL.
- If use of SSSL is proposed, authorization will be required. Refer to Chapter 18-21, F.A.C. and Chapter 18-20, F.A.C. for guidance on projects that impact SSSL and Aquatic Preserves.
- Include discussion on the potential type of SSSL authorization that may be required. Refer to Chapter 18-21.005, F.A.C.

Operation and Maintenance/Legal Information: (Ownership or Perpetual Control, O&M Entity, O&M Instructions, Homeowner Association Documents, Coastal Zone requirements, etc.)

- The permit must be issued to entity that owns or controls the property. FDOT will be the permittee.
- Provide evidence of ownership or control by deed, easement, contract for purchase, etc.

Application Type and Fee Required:

- SWERP Individual – Sections A, C, and E of the ERP Application. Fee will be dependent upon project size and amount of wetland or surface water impacts.
- Consult the fee schedule for different thresholds.

Other: (Future Pre-Application Meetings, Fast Track, Subdivision, Construction Start Date, Required District Permits – WUP, WOD, Well Construction, etc.)

- An application for an individual permit to construct or alter a dam, impoundment, reservoir, or appurtenant work, requires that a notice of receipt of the application must be published in a newspaper within the affected area. Provide documentation that such noticing has been accomplished. Note that the published notices of receipt for an ERP can be in accordance with the language provided in Rule 40D-1.603(10), F.A.C.

- The plans and drainage report submitted electronically must include the appropriate information required under Rules 61G15-23.005 and 61G15-23.004 (Digital), F.A.C. The following text is required by the Florida Board of Professional Engineers (FBPE) to meet this requirement when a digitally created seal is not used and must appear where the signature would normally appear:

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  DIGITAL: *[NAME] State of Florida, Professional Engineer, License No. [NUMBER]; This item has been digitally signed and sealed by [NAME] on the date indicated here; Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.*

- Provide soil erosion and sediment control measures for use during construction. Refer to ERP Applicant's Handbook Vol. 1 Part IV Erosion and Sediment Control.
- Demonstrate that excavation of any stormwater ponds does not breach an aquitard (see Subsection 2.1.1, A.H.V.II) such that it would allow for lesser quality water to pass, either way, between the two systems. In those geographical areas of the District where there is not an aquitard present, the depth of the pond(s) shall

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not be excavated to within two (2) feet of the underlying limestone which is part of a drinking water aquifer. [Refer to Subsection 5.4.1(b), A.H.V.II]

- If lowering of SHWE is proposed, then burden is on Applicant to demonstrate no adverse onsite or offsite impacts as per Subsection 3.6, A.H.V.II. Groundwater drawdown 'radius of influence' computations may be required to demonstrate no adverse onsite or offsite impacts. Please note that new roadside swales or deepening of existing roadside swales may result in lowering of SHWE. Proposed ponds with control elevation less than SHWE may result in adverse lowering of onsite or offsite groundwater.

Disclaimer: The District ERP pre-application meeting process is a service made available to the public to assist interested parties in preparing for submittal of a permit application. Information shared at pre-application meetings is superseded by the actual permit application submittal. District permit decisions are based upon information submitted during the application process and Rules in effect at the time the application is complete.

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APPENDIX 18
Land Use M

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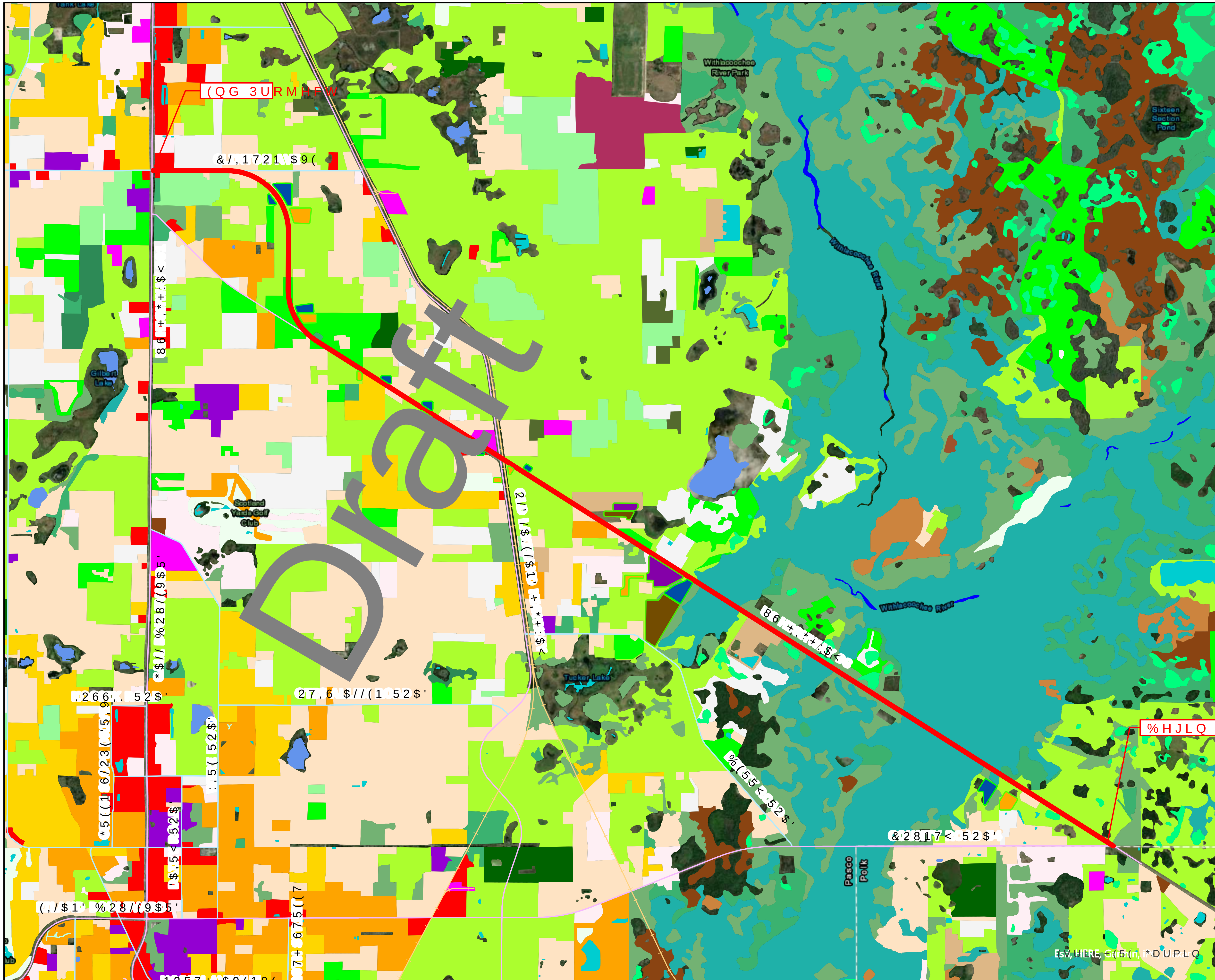

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APPENDIX 19

Geotechnical Reports:

Geotechnical Exploration Data Report – Roadway, dated July 15, 2021

Geotechnical Exploration Data Report - Structures, dated July 15, 2021

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GEOTECHNICAL EXPLORATION DATA REPORT - ROADWAY

US 98 FROM POLK COUNTY LINE TO US 301

FPN NO. 443368-3

TEST LAB PROJECT NO. GE-2[illegible]13

Draft

Prepared for:

FLORIDA DEPARTMENT OF TRANSPORTATION
FDOT DISTRICT 1/7 MATERIALS OFFICE
P.O. BOX 1249, 2[illegible]0 STATE ROAD 60 WEST

Prepared by:

TEST LAB INC.
GEOTECHNICAL & MATERIALS
ENGINEERING, TESTING & INSPECTION

P.O. Box 15732
Tampa, Florida 33684
Florida Certificate of Authorization No. 1450

TEST LAB INC.
GEOTECHNICAL & MATERIALS
ENGINEERING, TESTING & INSPECTION

July 15, 2021

Florida Department of Transportation
FDOT District 1/7 Materials Office
P.O. Box 1249, 2730 State Road 60 West

Attention: Ms. Teresa (Terry) Puckett, P.E.

Subject: **Geotechnical Exploration Data Report - Roadway**
Contract No. C-9S21 – Tas[illegible]
US 98 from Polk County Li[illegible] US 301
Pasco County, Flori[illegible]
FPN No. 443368-3
Test Lab Project No. GE[illegible]5131

Dear Ms. Puckett:

Test Lab, Inc. (Test Lab) has completed a Geotechn[illegible]al Ex[illegible]orati[illegible]ta Report for the above referenced project. This report presents the findings of our field explora[illegible]n and l[illegible]oratory testing program.

Test Lab appreciates the opportunity of provi[illegible]our services to the Florida Department of Transportation (FDOT) on this project. If there are any questions co[illegible]ning this exploration, or if we may be of any further assistance, please do not hesitate to [illegible]ntact u[illegible]

Respectfully submitted,
Test Lab, Inc.
4112 West Osborne Avenue, Tampa, Florida 336[illegible]
Florida Certificate of Authorization No. 1450

Draft

IGOR KRATSER
LICENSE
No 73129
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Connie Johnson-Gearhart

Igor Kratser
2021.07.16
10:51:09 -04'00'

Connie Johnson-Gearhart, P.E.
Geotechnical Engineer
Florida License No. 69013

Igor (Igon) Kratser, P.E.
Senior Geotechnical Engineer
Florida License No. 73129

This item has been digitally signed and sealed by Igor (Igon) Kratser, P.E. on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Copies Submitted: (1) PDF

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PROJECT INFORMATION

Project Description

This report focuses on a subsurface exploration along the referenced alignment of US 98. The subsurface information obtained to date is provided herein.

General Site Conditions

The existing roadway section of US 98 along the referenced alignment consists of a two-lane road that is supported by a slightly raised embankment with right turn lanes, left turn lanes and crossovers. There are two (2) bridge crossings along the alignment, one at the Hillsborough River and one over Old Lakeland Highway. The stormwater conveyance system within the project alignment consists of linear swales and culvert crossings adjacent to the existing roadway. A portion of the project corridor extends through undeveloped private parcels and along Clinton Avenue. Land use adjacent to the alignment is generally considered rural with occasional residential developmen

PURPOSE AND SCOPE OF SERVICES

The geotechnical exploration presented herein was performed to obtain subsurface information at the above referenced site. The following services were pro[illegible]order to achieve the preceding objective:

i. Reviewed readily available published topographic and soils information. This information included Florida Quadrangle maps published by the United States Geological Survey (USGS), the "Soil Survey of Pasco County, Fl[illegible]nd "Soil Survey of Polk County", both published by the United Stat[illegible]epartment of Agriculture (USDA) Natural Resource Conservation Services (NRCS), and th[illegible]otentiometric Surface of the Upper Floridan Aquifer in the Southwest Flori[illegible] Water[illegible]agement District – September 2015" map produced by Southwest Florida W[illegible]ater Managemen[illegible]istrict.

ii. Completed a pr[illegible]m of subsurface e[illegible]oration consisting of one hundred eighty-three (183) hand and power auge[illegible]rings adv[illegible]ced to depths of 6 to 11½ feet. Estimated Seasonal High Groundwater Table (S[illegible]T[illegible]at the boring locations.

iii. Collected bulk samples at 18 locations along the project alignment. Transported the bulk samples to the State Materials Office in Gainesville for Resilient Modulus (M_r) testing.

iv. Visually classified the recovered soil samples in the laboratory. Performed laboratory tests on selected representative samples to develop the soil legend for the project using the American Association of State Highway and Transportation Officials (AASHTO) Soil Classification System.

v. Prepared this Geotechnical Exploration Data Report for the project.

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REVIEW OF AVAILABLE DATA

Regional Geology

Pasco County is in the central or mid-peninsular physiographic zone of the Florida Peninsula. The county is characterized by discontinuous highlands in the form of ridges separated by broad valleys. The ridges are above the static level of the water in the aquifer but the broad valleys are below it. Broad shallow lakes are common on the valley floors, and smaller deep lakes are on the ridges. Based on physiography, the county can be divided into five areas: the Coastal Swamps, the Gulf Coastal Lowlands, the Brooksville Ridge, the Tsala Apopka Plain and the Western Valley.

The county is underlain by several thousand feet of sedimentary rock, principally various limestone formations. A very gently sloping, very flat limestone terrain extends inland from the Gulf of Mexico. This is the Coastal Swamps area. It extends the length of the county and ranges up to about 2 miles in width. As one goes inland from the coast, the terrain changes very gradually from shallow salt water to salt marshes to fresh water swamps. Much of the area is shallow to limestone and because there are no clastic formations, sands did not accumulate and beaches did not form. In some areas, the limestone has dissolved and pockets of organic materials have accumulated. As a result, some places have a mixture of organic and mineral soils.

The soils of the Coastal Swamps area are very poorly drained, and the marsh areas are subject to daily flooding by normal tides. The vegetation ranges from salt-tolerant grasses in the marshes to stands of mixed hardwoods on more elevated areas. Elevation ranges from sea level to about 10 feet above sea level. Some urban development has taken place in the area. In some places limestone is mined.

The Gulf Coastal Lowlands lie between the Coastal Swamps and the Brooksville Ridge and the Western Valley. In the northern part of the county they adjoin the Brooksville Ridge, and in the southern part they conjoin the Western Valley area at Zephyrhills Gap. The elevation ranges between about 10 and 50 feet above sea level. The area consists mainly of pine and saw palmetto flatwoods and has numerous small ponds and broad grassy sloughs. The soils are predominantly nearly level, wet and sandy. Some areas have deep, well drained and excessively drained sands which are mostly sand dunes. Much of the urban development in the county has occurred on the better drained parts of the lowlands. Much of the wetter acreage is used as pastureland.

The Brooksville Ridge extends south from Hernando County to about the area of Zephyrhills. It extends about from Florida Highway 581 on the west to U.S. Highway 301 on the east. Considerable local relief has developed along the ridge as a result of the numerous sinkholes. The elevation varies from about 70 to 300 feet over short distances Clay Hill, 6 miles northwest of Dade City, reaches an altitude of 301 feet, while Lake Dowling, a sinkhole lake 0.7 mile away, is at an altitude of only 75 feet. There is little surface drainage. Most of the surface is covered by a few feet of sand. Near the western side of the ridge are thicker deposits of sand that may be old stabilized dunes. Natural vegetation on the deep sands is mainly turkey oak and scattered longleaf pine. Other areas consist of poorly drained to well drained, sandy to clayey soils that support pine and hardwoods. Much of the Brooksville Ridge has been cleared and is used for cultivated crops and pasture.

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The Tsala Apopka Plain extends south from Hernando County east of U.S. Highway 301 to about 3 miles north of Dade City. It is about 6 miles wide and ranges in elevation from about 75 to 85 feet above sea level. The area consists mostly of pine and saw palmetto flatwoods. Numerous ponds, depressions and broad grassy sloughs are present. The soils are mainly nearly level and wet and generally have a loamy subsoil. Most of this area remains in natural vegetation and is used primarily as woodland and wildlife habitat.

The Western Valley extends the length of the county on its eastern side. The Western Valley turns west at the termination of the Brooksville Ridge and unites with the Gulf Coastal Lowlands at Zephyrhills Gap. It contains the valleys of the Withlacoochee and Hillsboro Rivers and consists mainly of poorly drained sandy soils. The vegetation is mainly longleaf pine and saw palmetto.

Most of the soils in the Western Valley have loamy subsoil ranging from acid to alkaline over short distances. Outcroppings of limestone are common in some parts. Scattered throughout the Western Valley area are small to large, slightly depressional areas of sandy soils that support mixed stands of hardwoods and cypress. Much of the area remains in natural vegetation but some areas have been cleared and planted to improve pasture and cultivated crops.

The drainage of the area has been studied. Much of the water falling on the county is returned to the atmosphere by evaporation and transpiration. The remainder enters the ground. Ultimately, all of this ground water flows into the Gulf of Mexico. It drains from the area through the underlying limestone and via a few surface streams. Streams are present only where materials of slow permeability overlie the limestone or the water level in the limestone is near the ground surface. The Pithlachascotee and Anclote Rivers drain the area west of U.S. Highway 41 and south of Florida Highway 52. The southeastern and south-central parts of the county are drained by tributaries of the Hillsborough River. The Withlacoochee River drains the eastern part of the county.

Some areas of the county have sinkhole drainage patterns. Bear Creek, for example, drains into Bear Sink and, when Bear Sink is full, into a second sinkhole. In periods when both of these sinks cannot drain the full water flow, the excess flows westward, via a poorly developed channel, across U.S. Highway 19 to the Gulf of Mexico. Several lakes east of Port Richey are drained by Rocky Sink.

Some parts of the county are drained by closed depressions. These are common in the drainage area of streams. These closed depressions, which drain internally, generally provide adequate subsurface drainage during periods of normal rainfall. During very wet periods, however, the closed depressional drains may receive more water than they can release into the underlying limestone formation. Then, the closed depressions become flowing springs.

Groundwater drainage emerges as spring flow at or near the coast. Spring flow increases during wet periods, but there is a lag period in relation to the periods of rainfall inland. The water from the springs has a bicarbonate level of about 100 to 200 parts per million. The chloride content of the inland springs is low, and that of springs near the coast is much greater.

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USGS Quadrangle Maps

Based on a review of the Florida Quadrangle Maps, it appears that the natural ground surface elevations within the project corridor range from approximately +80 feet to +155 feet North American Vertical Datum of 1988 (NAVD88) as illustrated on the **USGS Vicinity Map (Sheet 1)** in **Appendix A**. The existing ground surface elevations have been slightly altered due to road grading and embankment, however, based on the survey information for the project the current ground elevations are generally near or within the range provided on the Quadrangle Maps.

USDA/NRCS Soil Survey

Based on a review of the Pasco County Soil Survey and Polk County Soil Survey, published by the USDA/NRCS, it appears that there are thirteen (13) soil-mapping units and one (1) soil-mapping unit, respectively, noted within the project alignment. A reproduction of the **USDA Vicinity Map (Sheet 1)** is illustrated in **Appendix A** and the soil mapping units are summarized in **Appendix B**.

It should be noted that information contained in the USDA/NRCS Soil Survey may not be reflective of actual soil and groundwater conditions, particularly if recent development in the project vicinity has modified soil conditions or surface/subsurface drainage.

Potentiometric Surface Maps

Based on a review of the "Potentiometric Surface of the Upper Floridan Aquifer" (published in 2015) produced by Southwest Florida Water Management District, the potentiometric surface elevation of the upper Floridan Aquifer in the project alignment appears to be approximately +80 to +90 feet, NGVD29. Artesian conditions were not encountered at the time of our field activities.

SUBSURFACE EXPLORATION

Boring Location Plan

Prior to commencing our subsurface exploration, a boring location plan was prepared based on team needs, accessible areas and our engineering judgment. The borings were located in the field using hand-held Global Positioning System (GPS) equipment. The borings were generally performed at the proposed boring locations.

Utility clearances were coordinated by Test Lab and updated as required prior to performing the soil borings in order to reduce the potential for damage to utilities during our subsurface explorations. The subsurface explorations were performed in general compliance with the applicable FDOT Roadway and Traffic Design Standard Indices.

Borings

Test Lab performed one hundred eighty-three (183) hand and power auger borings along the project corridor. The borings were performed to evaluate the shallow subsurface soil conditions and measure the ground water table level. In areas where shallow groundwater table was present and required boring depth could not be achieved by hand auger method due to "cave-in" of borehole were extended utilizing power auger. The hand auger borings were performed by manually twisting and advancing a bucket auger into

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the ground, typically in 4 to 6 inch increments. Representative samples were collected and returned to our laboratory to be evaluated and classified by a geotechnical engineer. The power auger borings were performed by advancing a rotating flight auger slowly into the ground in a “corkscrew” fashion, so as not to mix the soils. The flight auger was then retrieved and a representative samples were collected and returned to our laboratory for review and classification by a geotechnical engineer. The soil profiles of the borings performed are shown on the **Soil Profiles (Sheets 16 - 24)** in **Appendix A**.

The latitude, longitude and elevation of each boring were provided by the project surveyor. The roadway boring locations are shown on the **Boring Location Plan (Sheets 3 - 15)** in **Appendix A**.

LABORATORY TESTING

Representative soil samples collected from the borings were classified and stratified in general accordance with the American Association of State Highway and Transportation Officials (AASHTO) Soil Classification System. The classification was based on visual observations using the results of laboratory testing as confirmation. These tests included grain-size analyses, Atterberg Limits, natural moisture content, organic content and environmental corrosion series.

Test Designation

The following list summarizes the laboratory tests performed and the respective test methods utilized.

i. Grain-Size Analyses - The grain-size analyses were conducted in general accordance with the AASHTO test designation T-088 (ASTM test designation D-422).

ii. Atterberg Limits - The liquid limit and the plastic limit tests ("Atterberg Limits") were conducted in general accordance with the AASHTO test designations T-089 and T-090, respectively (ASTM test designation D-4318).

iii. Natural Moisture Content - The moisture content tests were conducted in general accordance with the AASHTO test designation T-265 (ASTM test designation D-2216).

iv. Organic Content – The organic content tests were conducted in general accordance with the ASSHTO test designation T-267 (ASTM test designation D-2974).

v. Environmental Corrosion Series – The environmental corrosion tests were conducted in general accordance with the FDOT test designations FM 5-550, FM 5-551, FM 5-552 and FM 5-553.

A summary of the laboratory test results for each soil stratum is presented on the **Roadway Soils Survey (Sheet 2)** in **Appendix A**. This sheet includes ranges of laboratory test results for different soil strata. A detailed summary of the laboratory test results is presented in **Appendix C**.

In addition, eighteen (18) bulk samples were collected along the referenced alignment. The samples were delivered to the State Materials Office for Resilient Modulus testing. The Resilient Modulus testing results are shown in **Appendix C** of this Report.

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RESULTS OF SUBSURFACE EXPLORATION

General Soil Conditions

The near surface soils along the project corridor have been grouped into seven (7) strata, based on borings and laboratory testing. Each stratum exhibits a range of engineering properties related to suitability for roadway construction as outlined by FDOT Standard Index 120-0010. The **Roadway Soils Survey (Sheet 2)** in **Appendix A** shows the general range of engineering properties measured in the laboratory for the various soil strata encountered during our exploration.

The detailed results of the soil borings performed within the project corridor are presented in **Appendix A** in the form of soil profiles, along with the profile legend and other pertinent information such as measured groundwater levels. Soil stratification is based on an examination of the recovered soil samples, the laboratory testing, and interpretation of field boring logs by a geotechnical engineer. The stratification lines represent the approximate boundaries between soil types of significantly different engineering properties. The actual transition may be gradual. In some cases, small variations in properties not considered pertinent to our engineering evaluation may have been abbreviated or omitted for clarity. The profiles represent the conditions at the boring locations only and variations may occur among and between the borings.

In general, the soil strata encountered in the soil borings performed along the project corridor are summarized in the following table:

Stratum Number	Typical Soil Description	AASHTO Classification
1	Light Gray to Very Dark Gray to Dark Yellowish-Brown to Very Pale Brown to Black SAND to SAND with SILT with occasional to some limerock rock fragments	A-3/A-2-4
2	Light Gray to Very Dark Gray to Dark Yellowish-Brown to Very Pale Brown to Black SAND to SAND with SILT	A-3/A-2-4
3	Brownish-Yellow and Light Gray Mosaic to Light Brownish-Gray to Dark Gray to Yellowish-Brown to Brown Silty SAND	A-2-4
4	Brownish-Yellow and Light Gray Mosaic to Light Brownish-Gray to Dark Gray to Yellowish-Brown to Brown CLAY to Silty-Clayey SAND	A-7-6/A-6/A-4
5	Very Dark Brown to Black Muck	A-8
6	Very Dark Brown to Black SAND to Silty SAND with Organics to Trace Organics	A-3/A-2-4

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Stratum Number	Typical Soil Description	AASHTO Classification
7	Weathered LIMESTONE	*

**AASHTO does not provide classification designation for Weathered Limestone.*

Some of the borings contained rootlets, clayey lenses or clay, decayed wood fragments and/or vegetative matter and cemented sand and/or limestone fragments. Where discernable amounts of these materials were encountered, the soil profiles are amended with an A, B, C, and D subscript, respectively.

Groundwater

The groundwater, when encountered, was measured in the borings at depths ranging from 1½ feet to 9½ feet below existing grade. Groundwater table depths at the time of the field exploration are presented graphically on the **Soil Profiles (Sheets 16 – 24)** in **Appendix A**. The groundwater table was mostly not encountered in borings B-78 through B-183 and was noted with GNE on the **Soil Profiles (Sheets 16 – 24)** and **Seasonal High Groundwater Estimates Summary Table** in **Appendix B**.

Groundwater conditions will vary with environmental variations and seasonal conditions, such as the frequency and magnitude of rainfall patterns, as well as man-made influences (i.e. existing water management canals, swales, drainage ditch, underdrains and areas of covered soils, such as paved parking lots and sidewalks).

Seasonal High Groundwater Estimates

The seasonal high groundwater table (SHGWT) us typically encountered during late summer following the rainy season. Several factors affect the seasonal high groundwater table including the amount of rainfall; the drainage characteristics of the soils; the land surface elevation; relief points such as lakes, river or swamps; and distance to relief points are some more important factors influencing the seasonal high groundwater table. The USDA soil survey provides the historical SHGWT based on the soil type. The reported SHGWT ranges from the natural ground surface to greater than 6 feet below natural ground, based on the soil type. However, portions of the alignment have been previously developed; therefore the USDA data may not reflect the current site conditions.

The estimated seasonal high groundwater table levels along the alignment ranged from 1 foot to greater than 6 feet below the existing ground surface. The estimated SHGWT could not be determined due to the in-situ disturbed soil conditions in borings B-35, B-36, B-47, B-72, B-73 and B-74. In boring B-63 the seasonal high groundwater table was determined considering the perched condition above clayey soil.

The SHGWT summary are presented adjacent to the soil profile on the **Soil Profile Sheets** in **Appendix A** and in a **Seasonal High Groundwater Estimates Summary Table** in **Appendix B**.

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Resilient Modulus Testing

Bulk soil samples were retrieved for Resilient Modulus, M_r, testing at 18 locations along the project alignment. These samples were delivered in coordination with the FDOT to the State Materials Office in Gainesville. The results of these test are provided in **Appendix C** of this report along with FDOT's recommendations on the design M_r value.

LIMITATIONS

Our professional services have been performed in accordance with generally accepted geotechnical engineering principles and practices at the time of this report. This company is not responsible for the conclusions, opinions or recommendations made by others based on these data.

The scope of the exploration was intended to evaluate general soil conditions within the project corridor. This report presents the geotechnical conditions based on the data obtained from the soil borings performed at the locations indicated in this report and does not reflect any variations which may occur among these borings. If any variations become evident during the course of design and/or construction, a re-evaluation of the conditions contained in this report is the responsibility of the design team.

The data presented in this report is for information purposes only. Project specific geotechnical evaluations should be completed by the design team for design and construction of this project. It should be noted that the design team will be responsible for interpretation of the data presented in this report.

The scope of services, included herein, did not include any environmental assessment for the presence or absence of hazardous or toxic materials in the soil, surface water, groundwater, air, on the site, below and around the site. Any statements in this report on the boring logs regarding odors, colors, unusual or suspicious items and conditions are strictly for the information of our client.

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APPENDIX A

USDA & USGS Vicinity Map (Sheet 1)
Roadway Soils Survey (Sheet 2)
Boring Location Plan (Sheets 3 - 15)
Soil Profiles (Sheets 16 - 24)

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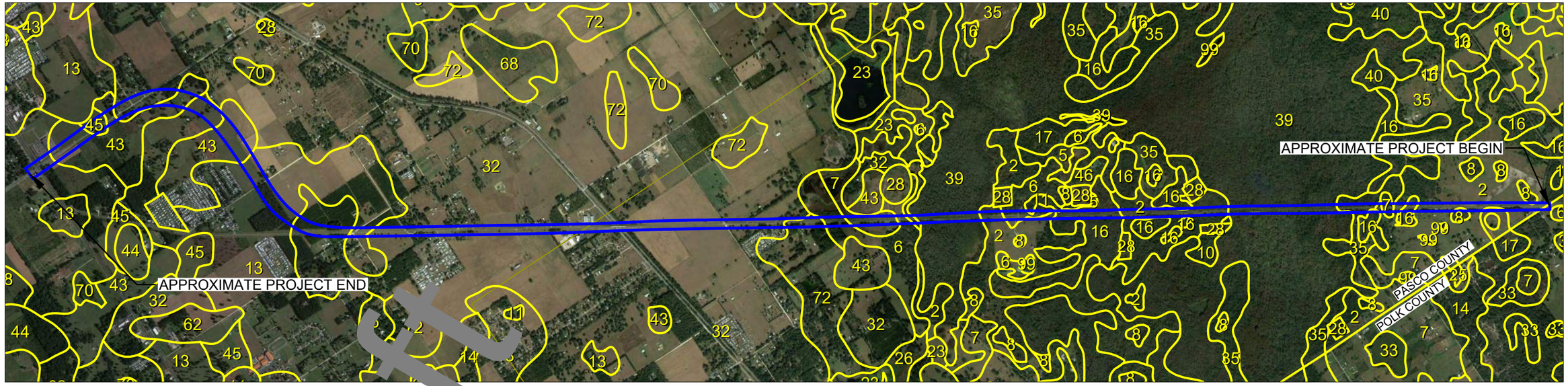
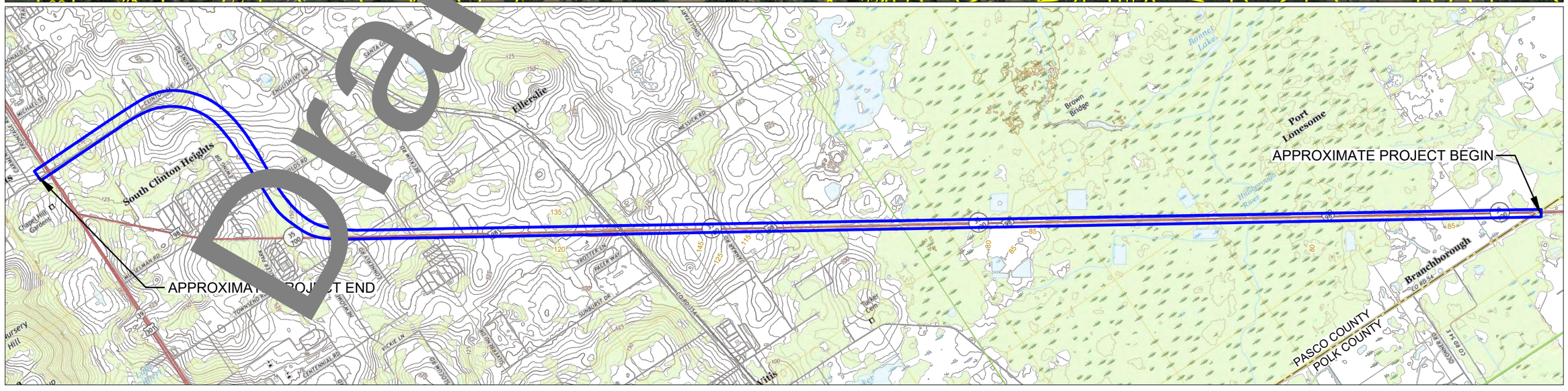
USDA NRCS SOIL MAP & USGS QUADRANGLE MAP

Reference: USDA Soil Survey of Pasco & Polk County, Florida





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Reference: United States Geological Survey (USGS) - Pasco County, Florida

N

0 3,000'

APPROXIMATE SCALE

LEGEND

- Soil Map Unit Lines
- Approximate Project Limits
- x 78 — North American Vertical Datum of 1988 (NAVD) Spot Elevation
- 80 — NAVD Elevation Contour
- 2 — Pomona Fine Sand
- 5 — Myakka-Myakka, Wet, Fine Sands, 0 to 2 Percent Slopes
- 6 — Tavares Sand, 0 to 5 Percent Slopes
- 7 — Sparr Fine Sand, 0 to 5 Percent Slopes
- 7 — Pomona Fine Sand (Polk County)
- 8 — Sellers Mucky Loamy Fine Sand
- 13 — Candler Fine Sand, 0 to 5 Percent Slopes
- 16 — Zephyr Muck
- 32 — Lake Fine Sand, 0 to 5 Percent Slopes
- 35 — EauGallie Fine Sand
- 39 — Chobee Soils, Frequently Flooded
- 43 — Arredondo Fine Sand, 0 to 5 Percent Slopes
- 45 — Kendrick Fine Sand, 0 to 5 Percent Slopes
- 72 — Orlando Fine Sand, 0 to 5 Percent Slopes

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Engineer of Record:
Igor (Igon) Kratser, P.E.
License #73129

US 98 From Polk County Line to US 301
Pasco County, Florida
FPID No.: 443368-3

USDA NRCS Soil Map & USGS Quadrangle Map

Project #: GE-20-5131	Sheet: 1
Date: November 2020	
Scale: As Shown	

DATE OF SURVEY: AUGUST TO SEPTEMBER 2020
SURVEY MADE BY: TEST LAB, INC.
SUBMITTED BY: IGOR (IGON) KRATSER, P.E.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIALS AND RESEARCH

DISTRICT: 7
ROAD NO.: US 98
COUNTY : PASCO

PROJECT NAME: US 98 FROM POLK COUNTY LINE TO US 301

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SURVEY BEGINS STA. : N/A SURVEY ENDS STA. : N/A

	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS (%)						ATTERBERG LIMITS (%)					CORROSION TEST RESULTS				
STRATUM NO.	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1.	-	-	1	13	3	88 - 99	85 - 97	57 - 78	35 - 36	9 - 11	-	-	-	A-3/ A-2-4	LIGHT GRAY TO VERY DARK GRAY TO DARK YELLOWISH-BROWN TO VERY PALE BROWN TO BLACK SAND TO SAND WITH SILT WITH OCCASIONAL TO SOME LIMEROCK OR ROCK FRAGMENTS	1	12,000	50	≤ 2	7.4
2.	-	-	-	-	11	92 - 100	99	71 - 86	50	4 - 11	-	-	-	A-3/ A-2-4	LIGHT GRAY TO VERY DARK GRAY TO DARK YELLOWISH-BROWN TO VERY PALE BROWN TO BLACK SAND TO SAND WITH SILT	4	17,000 - 32,000	48 - 59	≤ 2 - 6	7.8 - 8.2
3.	-	-	7	13 - 44	8	99 - 100	91 - 99	53 - 3	33 - 57	19 - 28	7	NP - 23	NP - 9	A-2-4	BROWNISH-YELLOW AND LIGHT GRAY MOSAIC TO LIGHT BROWNISH-GRAY TO DARK GRAY TO YELLOWISH-BROWN TO BROWN SILTY SAND	1	7,200	52	≤ 2	8.0
4.	-	-	7	15 - 21	7	98 - 100	- 98	80 - 86	49 - 63	35 - 44	7	20 - 43	6 - 23	A-7-6/A-6/ A-4	BROWNISH-YELLOW AND LIGHT GRAY MOSAIC TO LIGHT BROWNISH-GRAY TO DARK GRAY TO YELLOWISH-BROWN TO BROWN CLAY TO SILTY-CLAYEY SAND	-	-	-	-	-
5.	1	16	1	43	1	100	97	83	46	23	-	-	-	A-8	VERY DARK BROWN TO BLACK MUCK	-	-	-	-	-
6.	7	2 - 5	7	12 - 32	7	100	92-98	74 - 84	36 - 47	9 - 31	-	-	-	A-3/ A-2-4	VERY DARK BROWN TO BLACK SAND TO SILTY SAND WITH ORGANICS TO TRACE ORGANICS	-	-	-	-	-
7.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WEATHERED LIMESTONE	-	-	-	-	-

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NOTES:

1. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED.
2. THE MATERIAL FROM STRATUM 1 (A-3/A-2-4) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001.
2. THE MATERIAL FROM STRATUM 2 (A-3/A-2-4) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001.
3. THE MATERIAL FROM STRATUM 3 (A-2-4) APPEARS SATISFACTORY FOR USE IN EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH INDEX 120-001. HOWEVER, THIS MATERIAL IS LIKELY TO RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. IT SHOULD BE USED IN THE EMBANKMENT ABOVE THE WATER LEVEL EXISTING AT TIME OF CONSTRUCTION.

EMBANKMENT AND SUBGRADE MATERIAL

THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER

GNE GROUNDWATER TABLE NOT ENCOUNTERED

▽ GROUNDWATER LEVEL AT TIME OF DRILLING

▼ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE (SHGWT)

▼+ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE (SHGWT) GREATER THAN DESIGNATED DEPTH

▼P ESTIMATED SEASONAL HIGH GROUNDWATER TABLE (SHGWT) WITH PERCHED CONDITIONS

A - WITH ROOTLETS

B - WITH CLAY LENSES OR CLAY

C - WITH DECAYED WOOD FRAGMENTS AND/OR VEGETATIVE MATTER

D - WITH CEMENTED SAND AND/OR LIMESTONE FRAGMENTS

4. THE MATERIAL FROM STRATUM 4 (A-7-6/A-6/A-2-6/A-4) IS PLASTIC MATERIAL AND SHALL BE REMOVED IN ACCORDANCE WITH INDEX 120-002 AND UTILIZED IN ACCORDANCE WITH INDEX 120-001.
5. THE MATERIAL FROM STRATUM 5 (A-8) IS ORGANIC MATERIAL AND SHALL BE REMOVED IN ACCORDANCE WITH INDEX 120-002.
6 THE MATERIAL FROM STRATUM 6 (A-3/A-2-4) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH INDEX 120-001. HOWEVER, THIS MATERIAL MAY NOT BE USED IN THE SUBGRADE PORTION OF THE ROADBED DUE TO ITS ORGANIC CONTENT.
7. THE MATERIAL FROM STRATUM 7 (WEATHERED LIMESTONE) IS ROCK-LIKE AND IS LOCATED IN SOME AREAS WITHIN THE PROJECT VICINITY. FOUNDATION, UTILITY, AND STORMWATER POND EXCAVATIONS IN THOSE AREAS MAY BE DIFFICULT. IN ADDITION, THE MATERIAL FROM STRATUM 7 MAY BE POROUS AND DIFFICULT TO DEWATER.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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TEST LAB, INC.
4112 WEST OSBORNE AVENUE
TAMPA, FL 33614

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

ROADWAY SOILS SURVEY

SHEET NO. 2

Draft

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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TAMPA, FL 33614

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

TEST LOCATION PLAN (1)

SHEET NO. 3

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

TEST LOCATION PLAN (2)

SHEET NO. 4

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

TEST LOCATION PLAN (3)

SHEET NO. 5

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

IGOR (IGON) KRATSER, P.E.
P.E. NO.: 73129
TEST LAB, INC.
4112 WEST OSBORNE AVENUE
TAMPA, FL 33614

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

TEST LOCATION PLAN (4)

SHEET NO. 6

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US 98	PASCO	443368-3

TEST LOCATION PLAN (5)

SHEET NO. 7

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US 98	PASCO	443368-3

TEST LOCATION PLAN (6)

SHEET NO. 8

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TEST LOCATION PLAN (7)

SHEET NO. 9

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TEST LOCATION PLAN (8)

SHEET NO. 10

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US 98	PASCO	443368-3

TEST LOCATION PLAN (9)

SHEET NO. 11

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TEST LOCATION PLAN (10)

SHEET NO. 12

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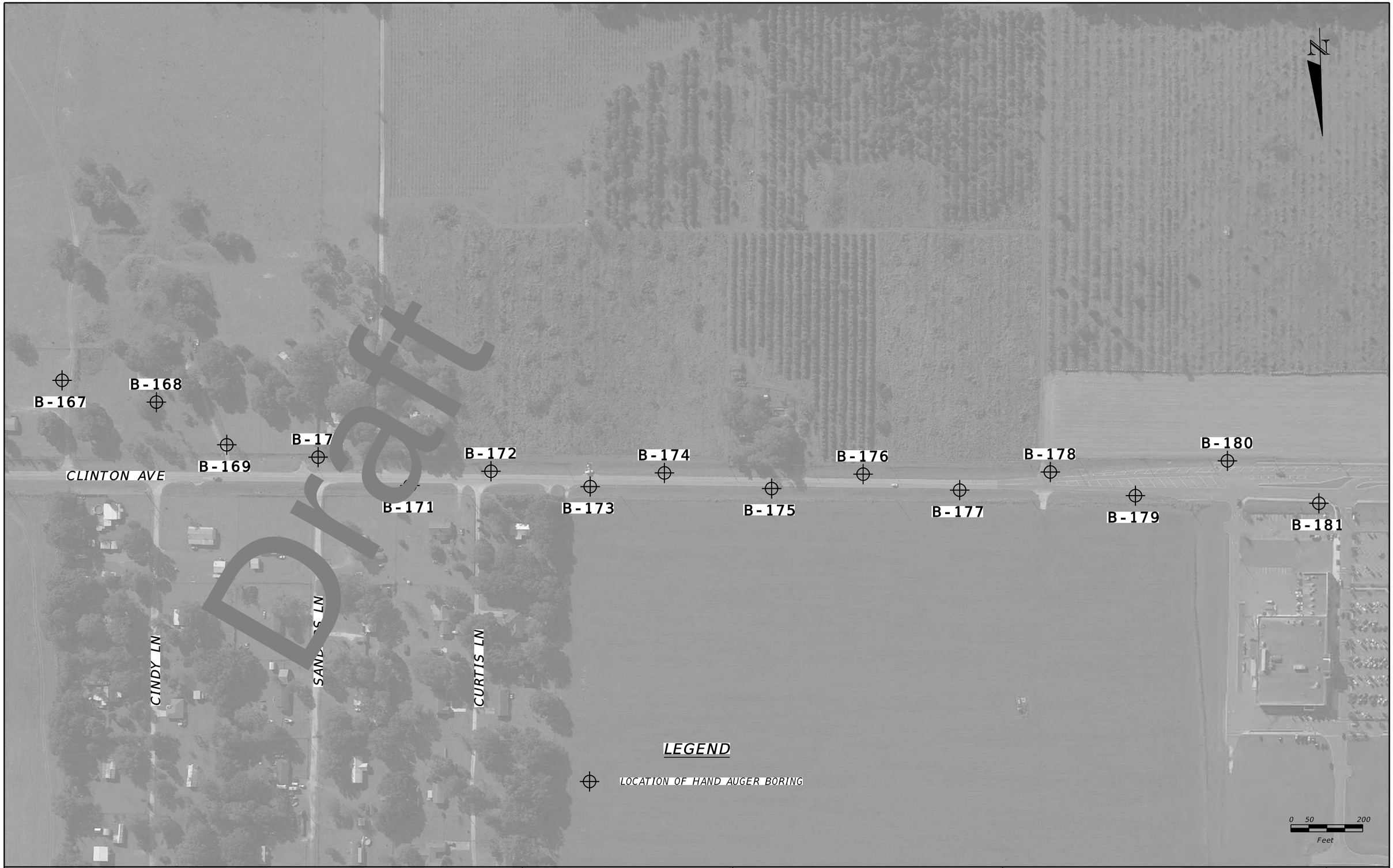
TEST LOCATION PLAN (11)

SHEET NO. 13

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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TEST LOCATION PLAN (12)

SHEET NO. 14

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TEST LOCATION PLAN (13)

SHEET NO. 15

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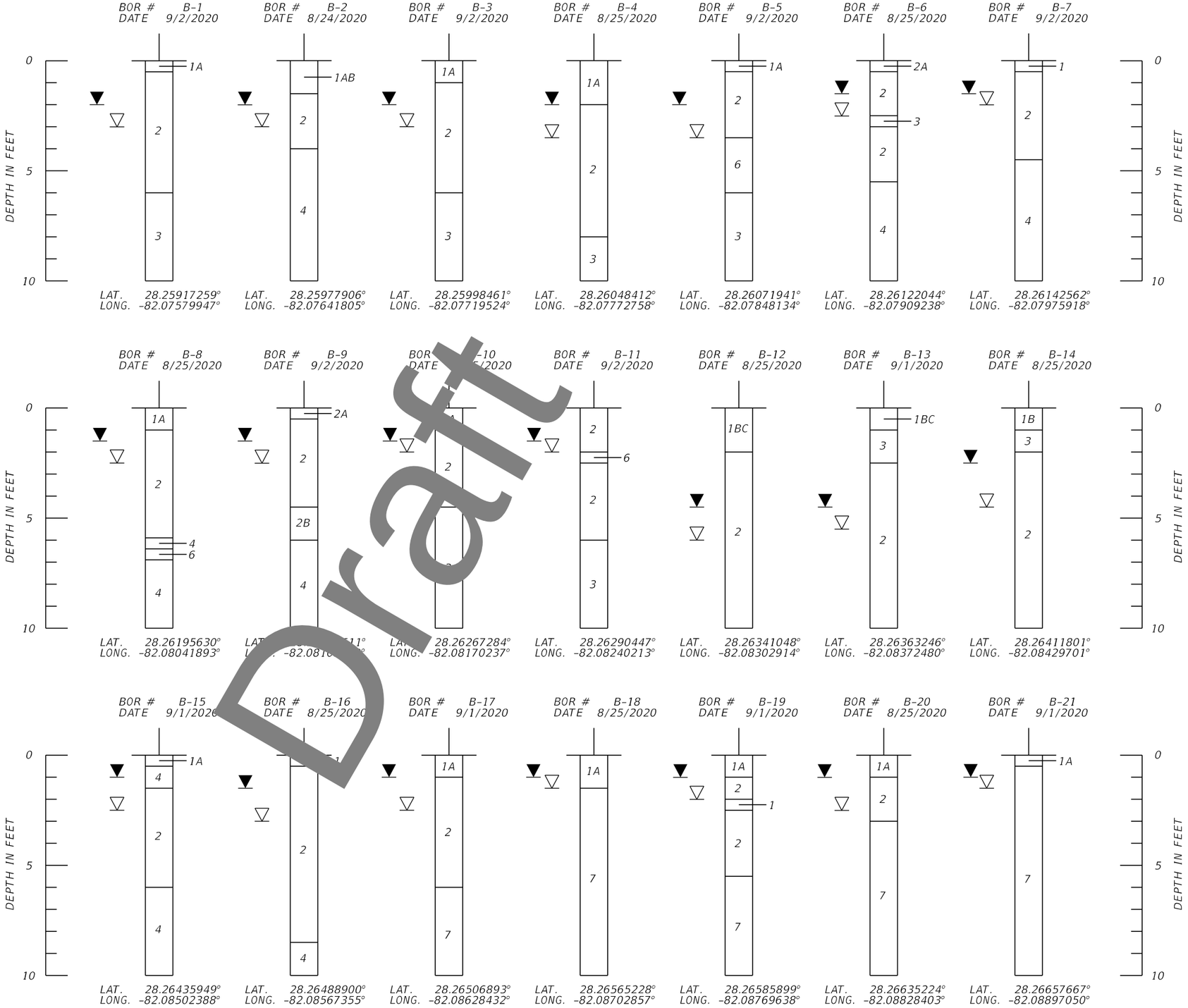

Draft

LEGEND

1	LIGHT GRAY TO VERY DARK GRAY TO DARK YELLOWISH-BROWN TO VERY PALE BROWN TO BLACK SAND TO SAND WITH SILT WITH OCCASIONAL TO SOME LIMEROCK OR ROCK FRAGMENTS (A-3/A-2-4)
2	LIGHT GRAY TO VERY DARK GRAY TO DARK YELLOWISH-BROWN TO VERY PALE BROWN TO BLACK SAND TO SAND WITH SILT (A-3/A-2-4)
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A	WITH ROOTLETS
B	WITH CLAY LENSES OR CLAY
C	WITH DECAYED WOOD FRAGMENTS AND/OR VEGETATIVE MATTER
D	WITH CEMENTED SAND AND/OR LIMESTONE FRAGMENTS
A-3	AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND/OR LABORATORY TESTING
GNE	GROUNDWATER TABLE NOT ENCOUNTERED
▽	GROUNDWATER TABLE AT TIME OF DRILLING
▼	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE (SHGWT)
▼P	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE (SHGWT) WITH PERCHED CONDITIONS

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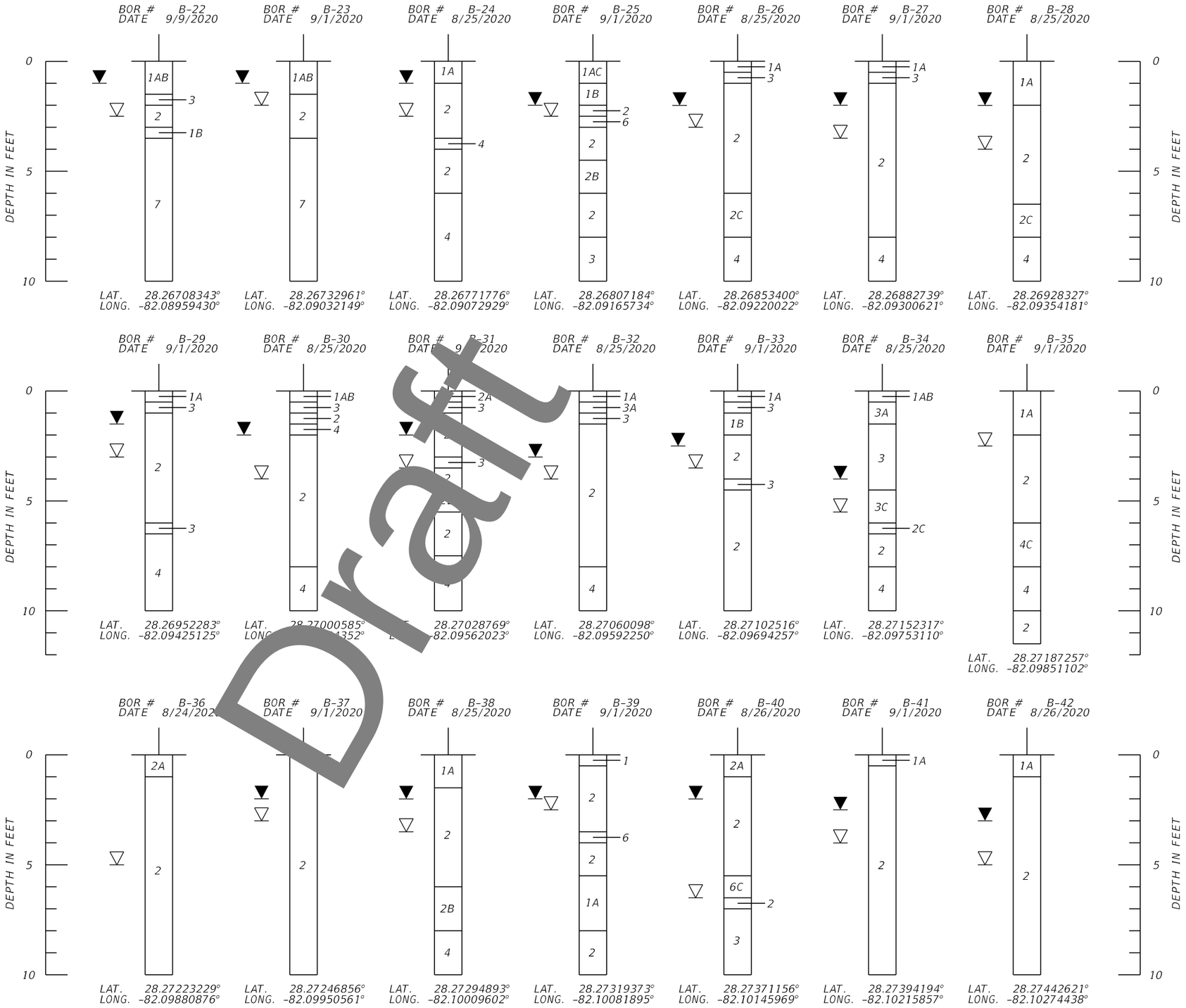
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

SOIL PROFILES (1)

SHEET NO. 16



Draft

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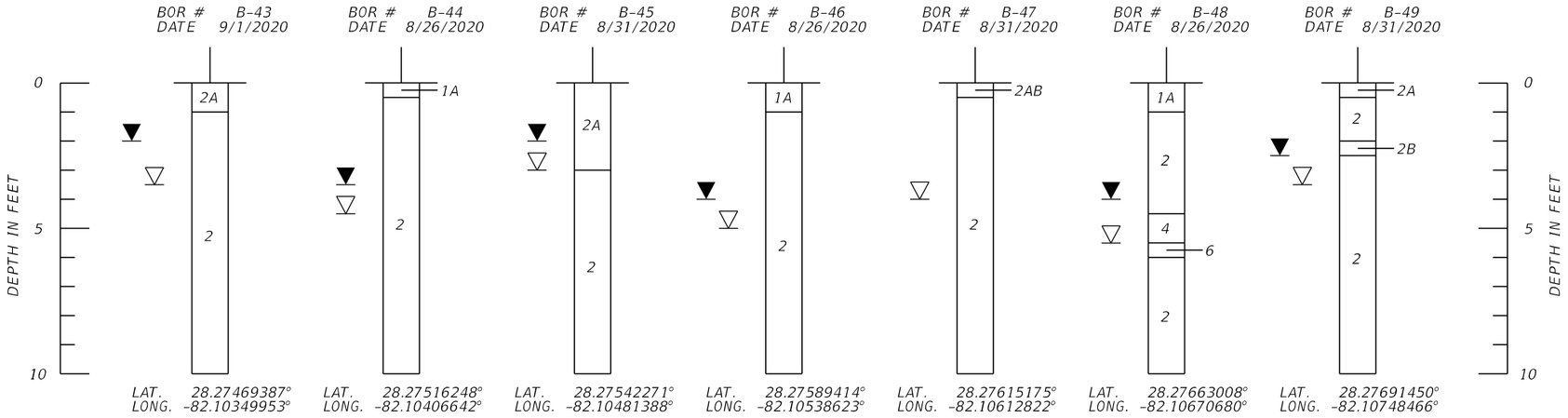
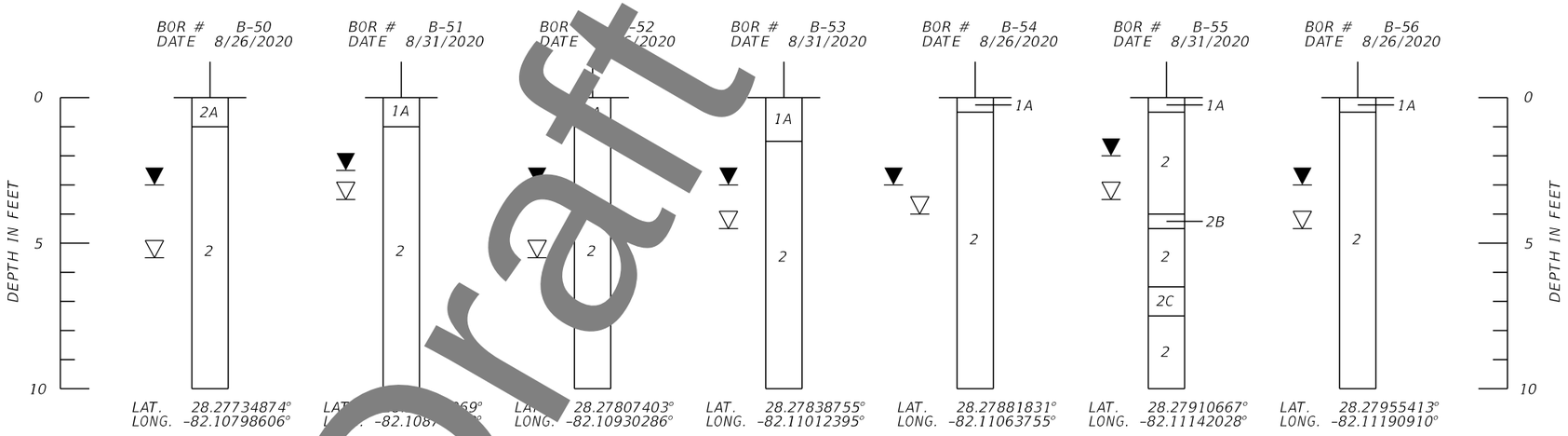
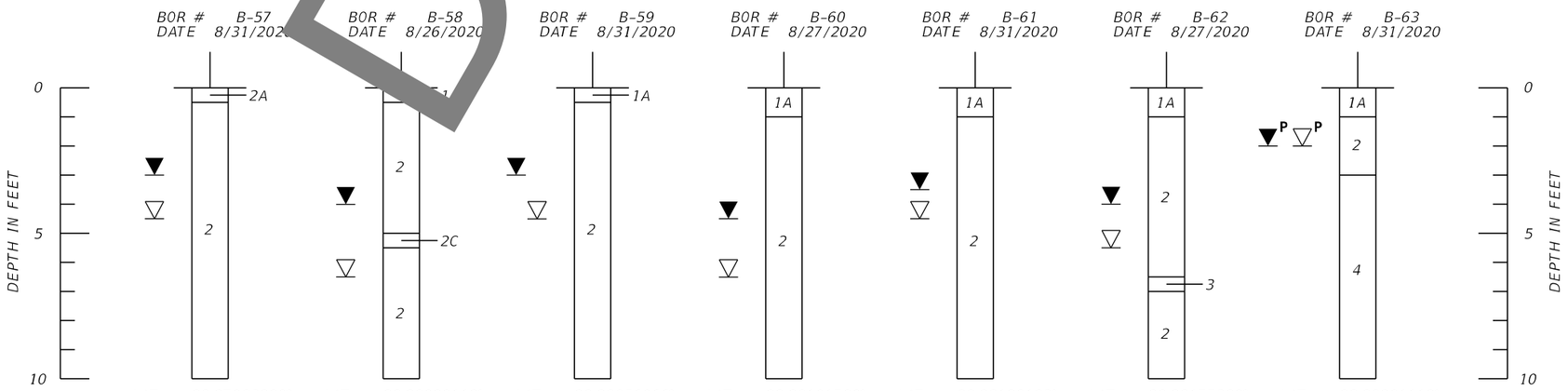
US 98	PASCO	443368-3

SOIL PROFILES (2)

SHEET NO. 17







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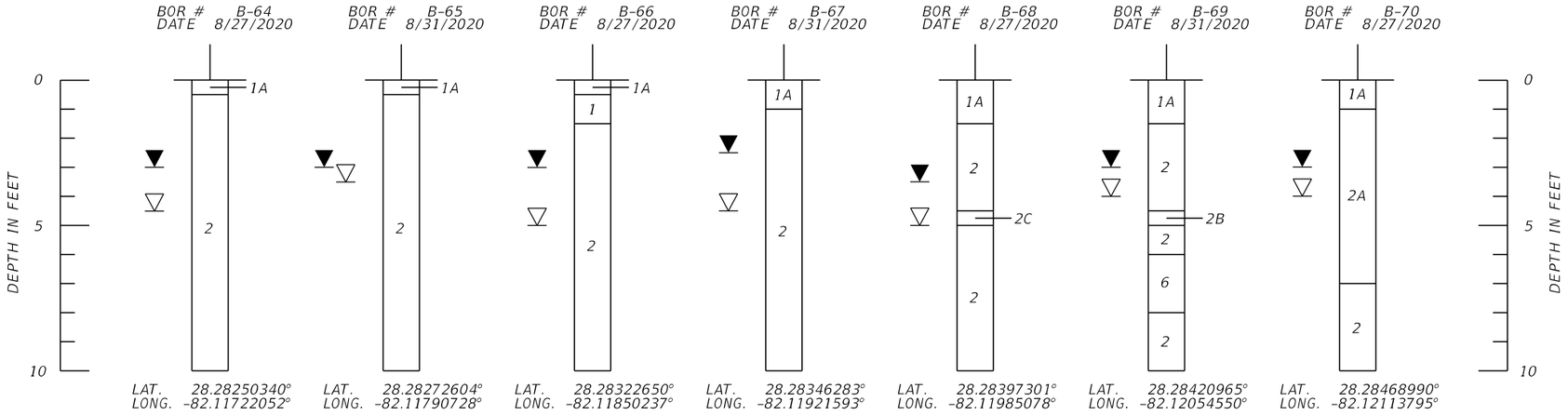
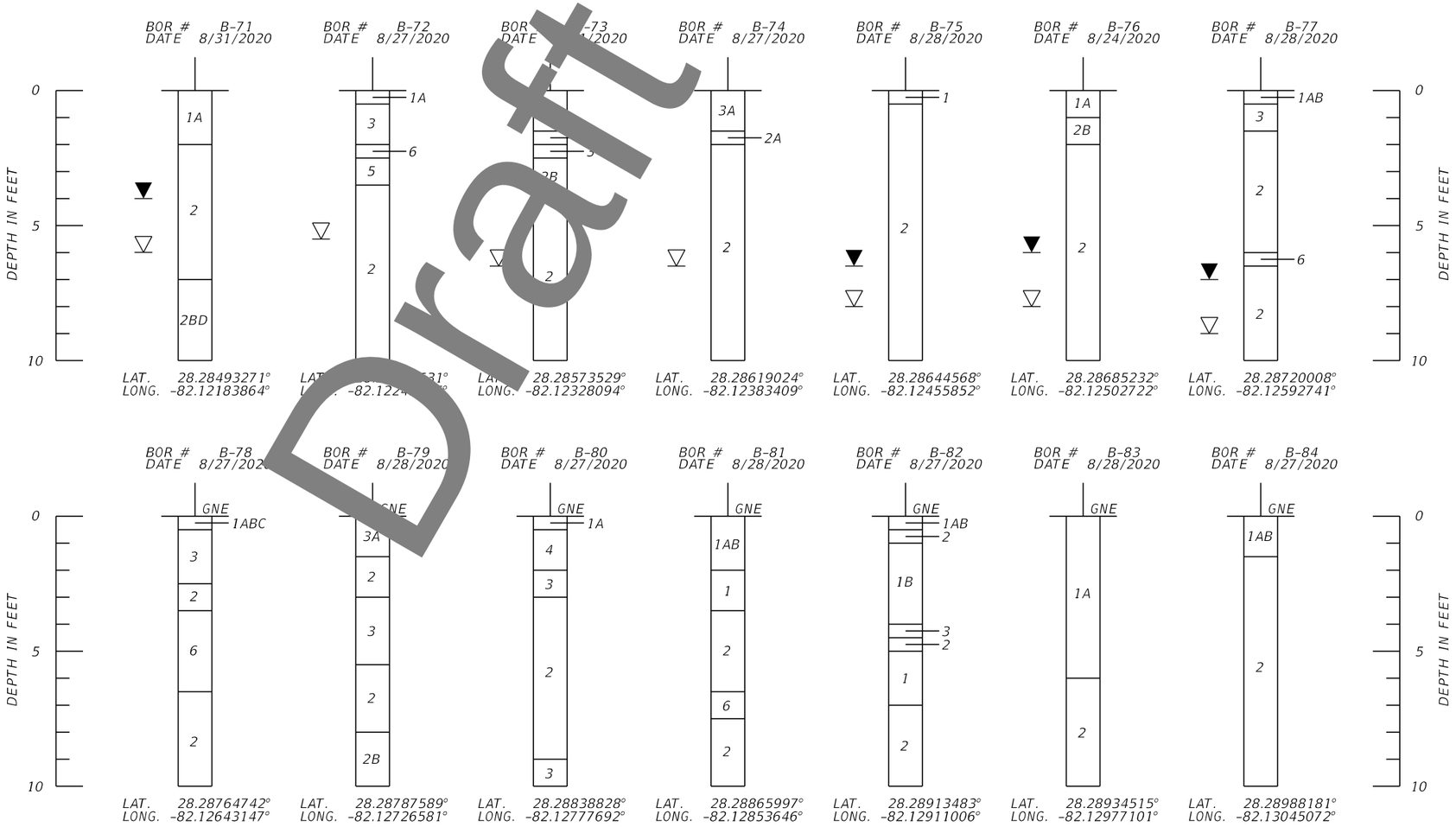
US 98	PASCO	443368-3

SOIL PROFILES (3)

SHEET NO. 18





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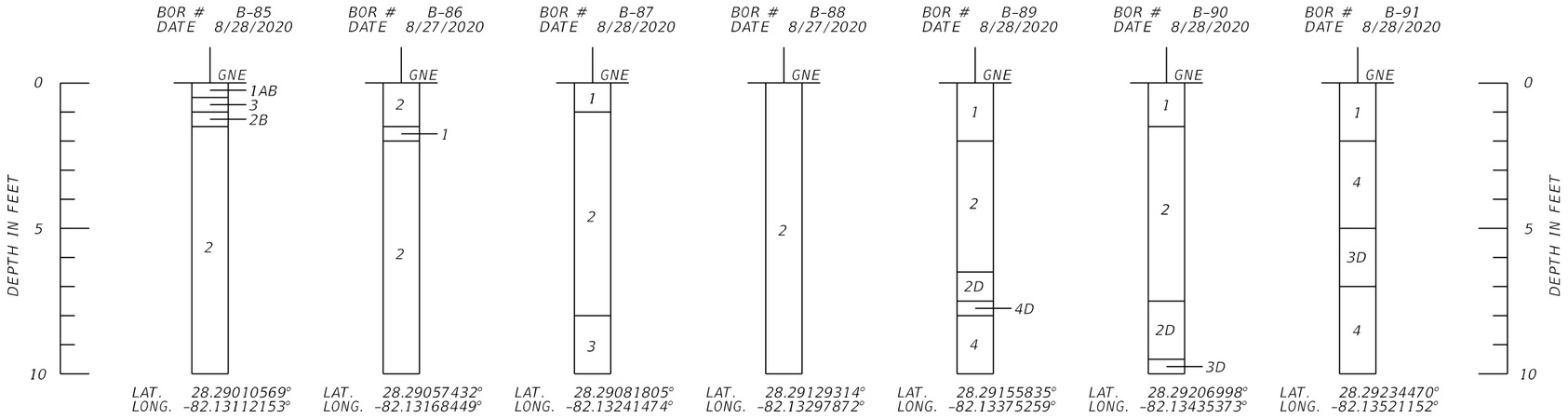
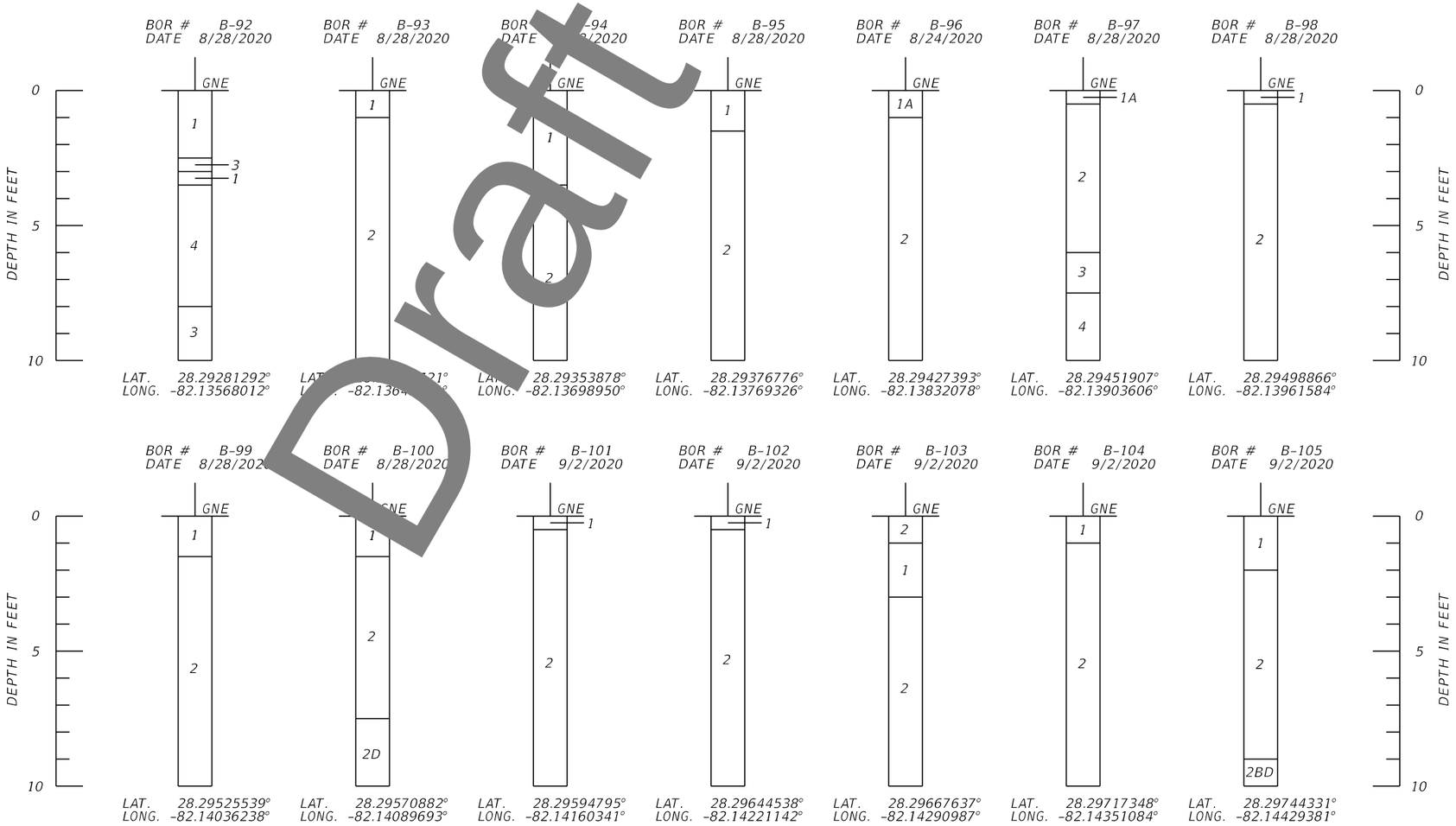
US 98	PASCO	443368-3

SOIL PROFILES (4)

SHEET NO. 19





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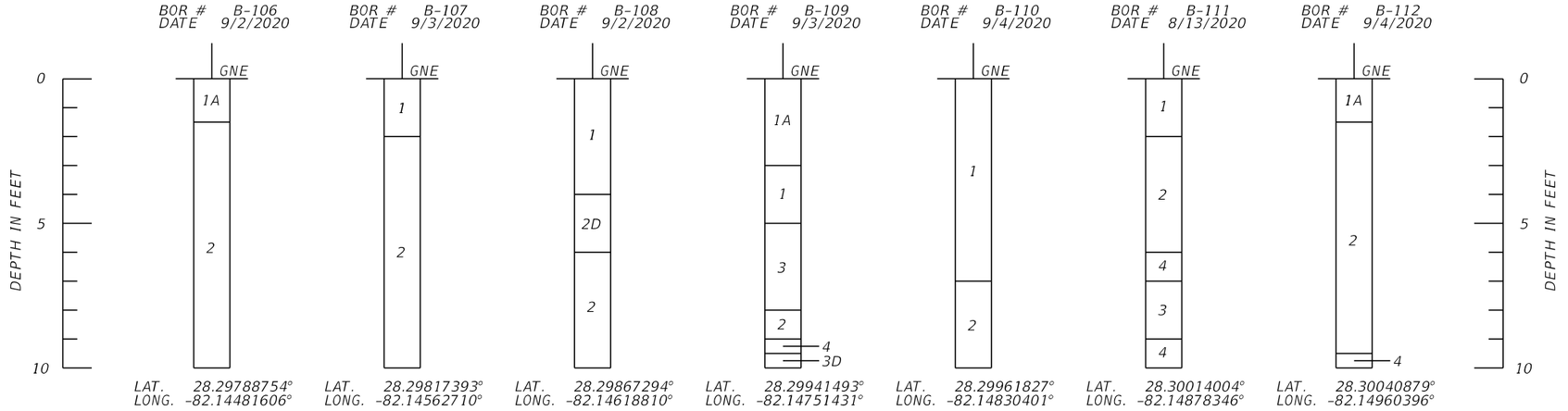
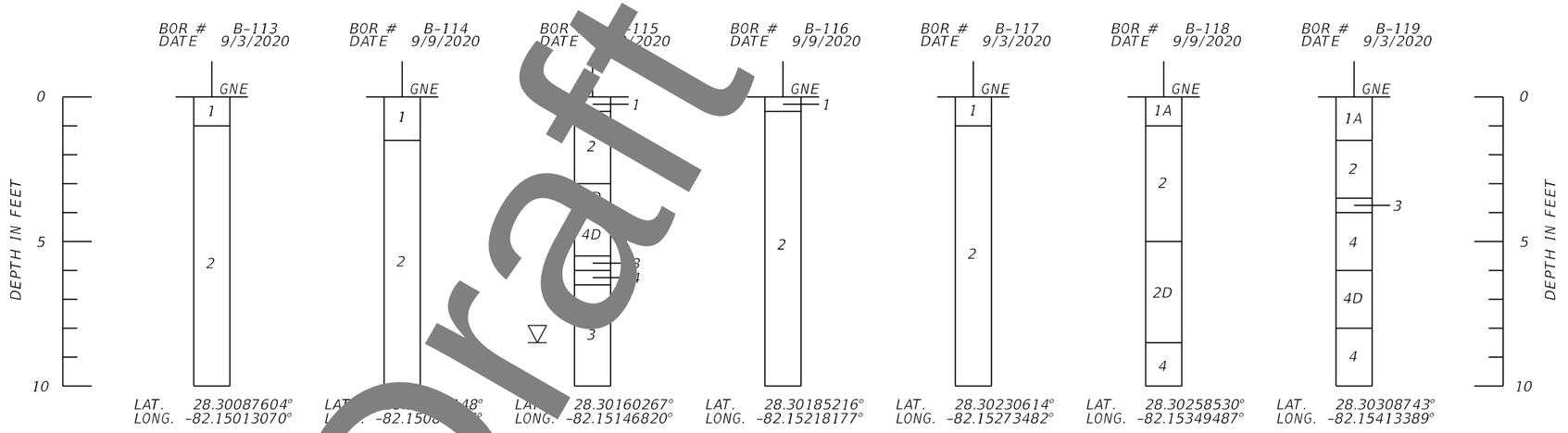
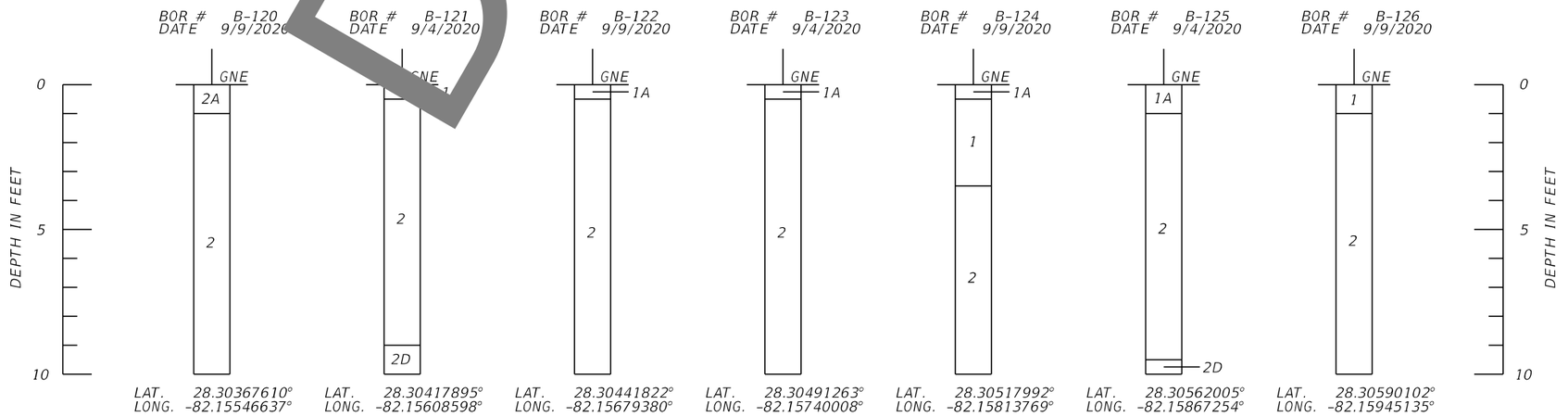
US 98	PASCO	443368-3

SOIL PROFILES (5)

SHEET NO. 20







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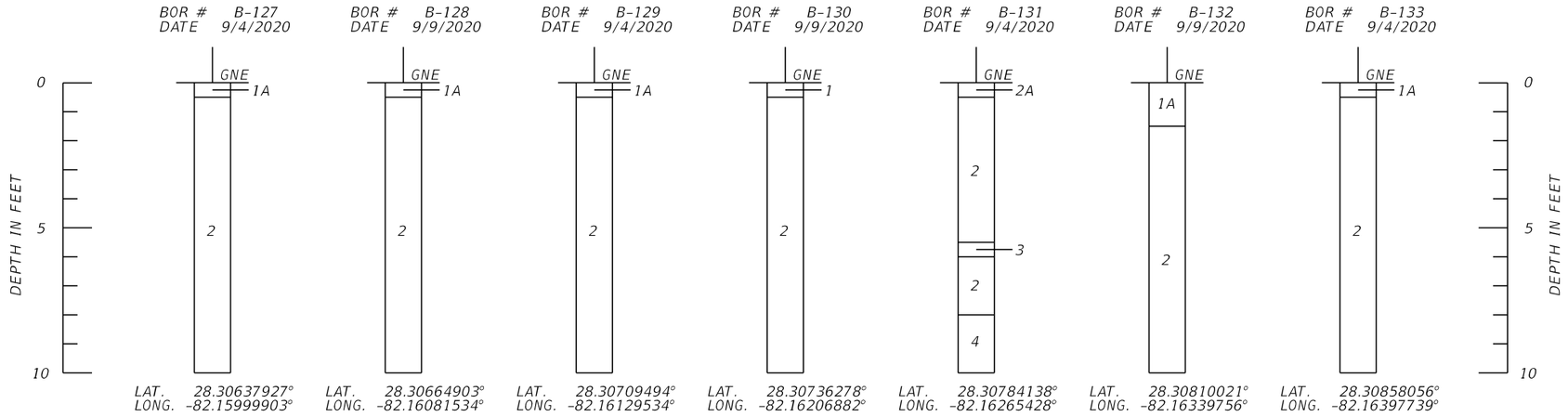
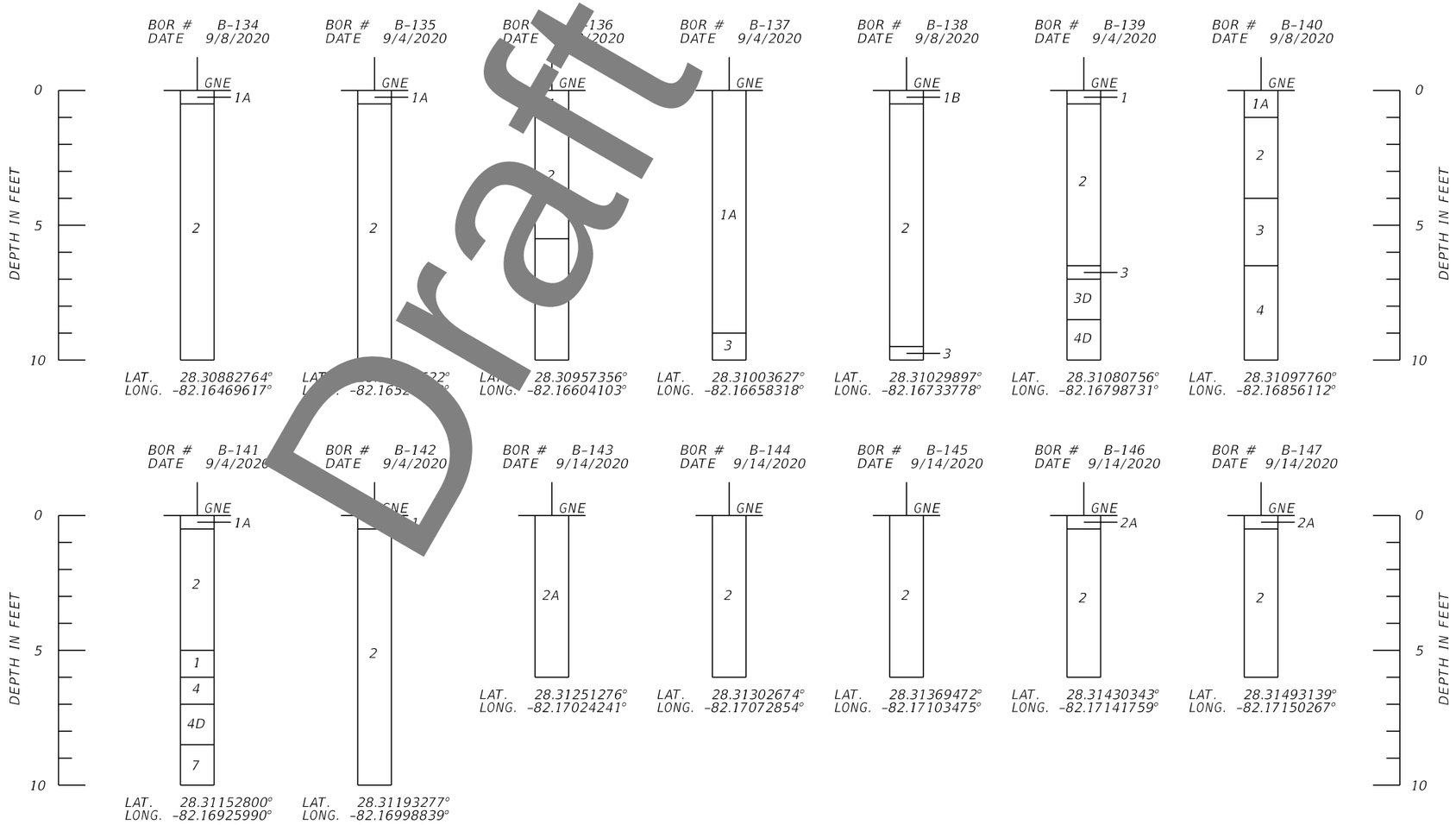
US 98	PASCO	443368-3

SOIL PROFILES (6)

SHEET NO. 21





Draft

LEGEND

1	LIGHT GRAY TO VERY DARK GRAY TO DARK YELLOWISH-BROWN TO VERY PALE BROWN TO BLACK SAND TO SAND WITH SILT WITH OCCASIONAL TO SOME LIMEROCK OR ROCK FRAGMENTS (A-3/A-2-4)
2	LIGHT GRAY TO VERY DARK GRAY TO DARK YELLOWISH-BROWN TO VERY PALE BROWN TO BLACK SAND TO SAND WITH SILT (A-3/A-2-4)
3	BROWNISH-YELLOW AND LIGHT GRAY MOSAIC TO LIGHT BROWNISH-GRAY TO DARK GRAY TO YELLOWISH-BROWN TO BROWN SILTY SAND (A-2-4)
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5	VERY DARK BROWN TO BLACK MUCK (A-8)
6	VERY DARK BROWN TO BLACK SAND TO SILTY SAND WITH ORGANICS TO TRACE ORGANICS (A-3/A-2-4)
7	WEATHERED LIMESTONE
A	WITH ROOTLETS
B	WITH CLAY LENSES OR CLAY
C	WITH DECAYED WOOD FRAGMENTS AND/OR VEGETATIVE MATTER
D	WITH CEMENTED SAND AND/OR LIMESTONE FRAGMENTS
A-3	AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND/OR LABORATORY TESTING
GNE	GROUNDWATER TABLE NOT ENCOUNTERED
▽	GROUNDWATER TABLE AT TIME OF DRILLING
▼	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE (SHGWT)
▼P	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE (SHGWT) WITH PERCHED CONDITIONS

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

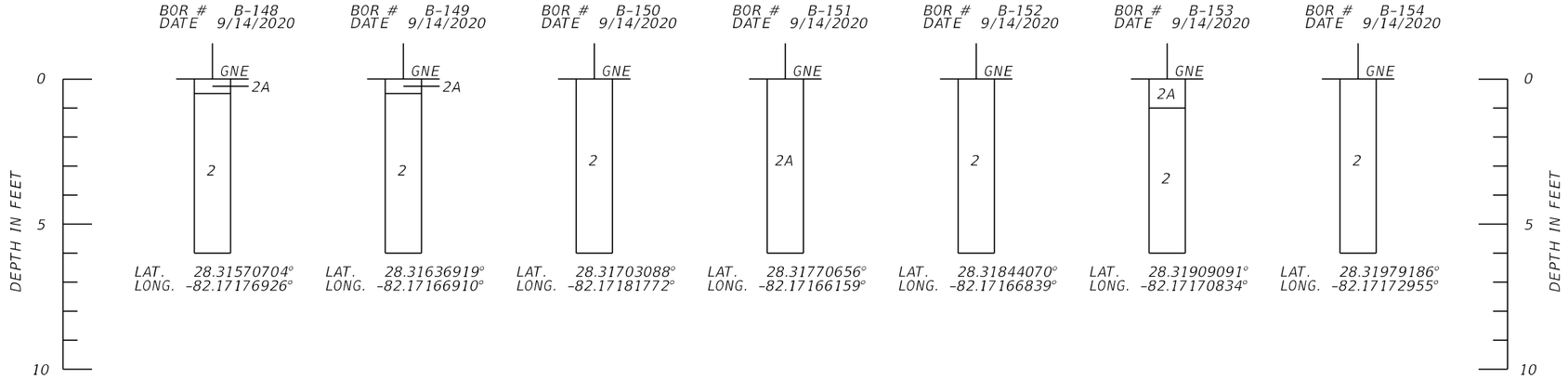
IGOR (IGON) KRATSER, P.E.
P.E. NO.: 73129
TEST LAB, INC.
4112 WEST OSBORNE AVENUE
TAMPA, FL 33614

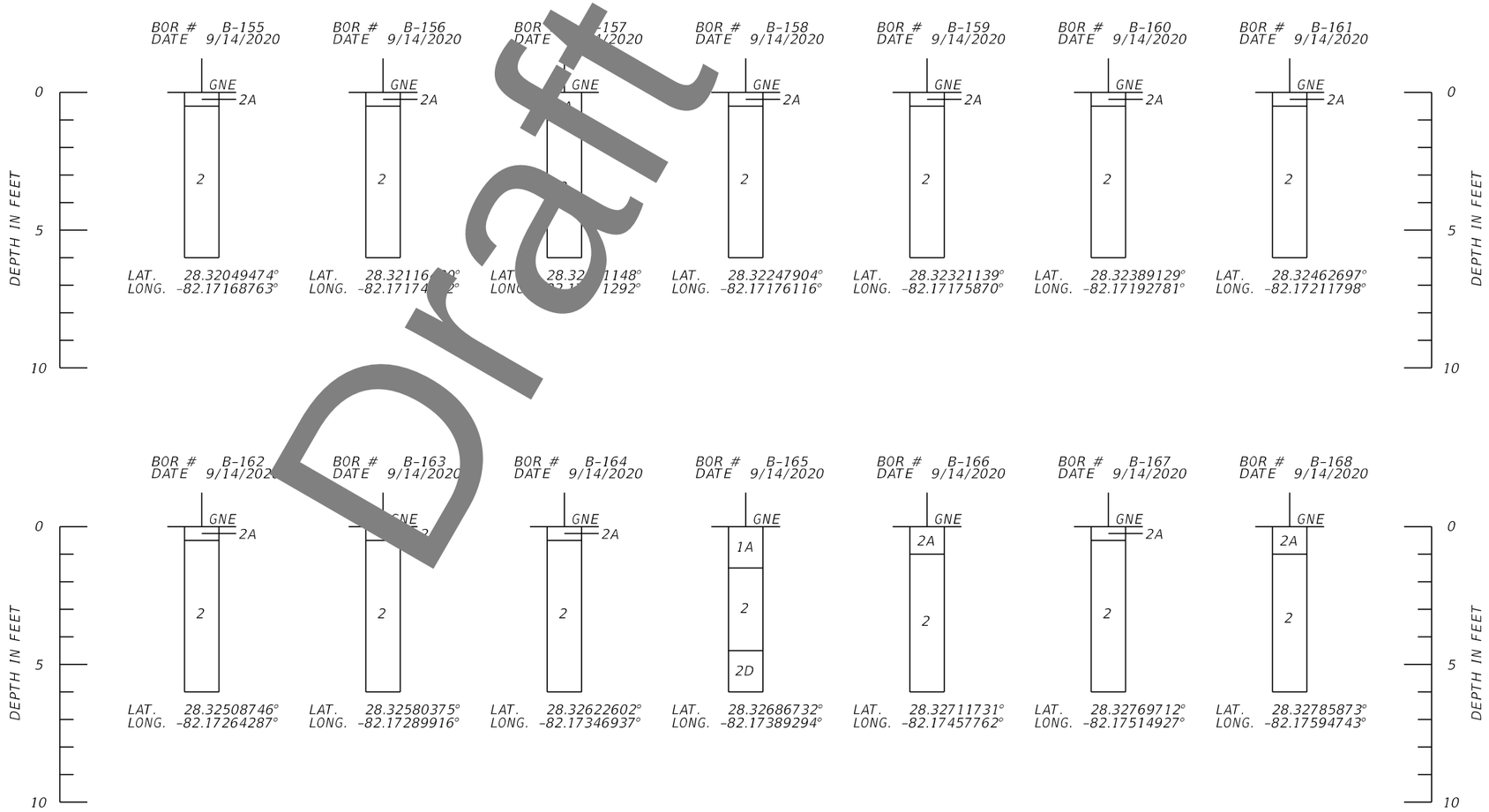
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

SOIL PROFILES (7)

SHEET NO. 22





Draft

LEGEND

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IGOR (IGON) KRATSER, P.E.
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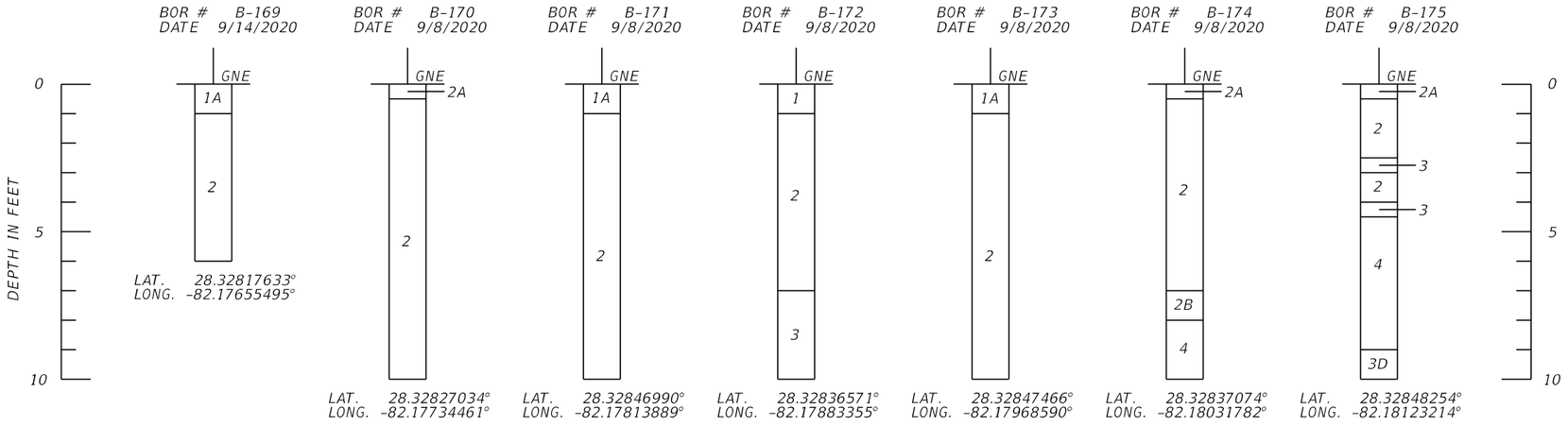
TEST LAB, INC.
4112 WEST OSBORNE AVENUE
TAMPA, FL 33614

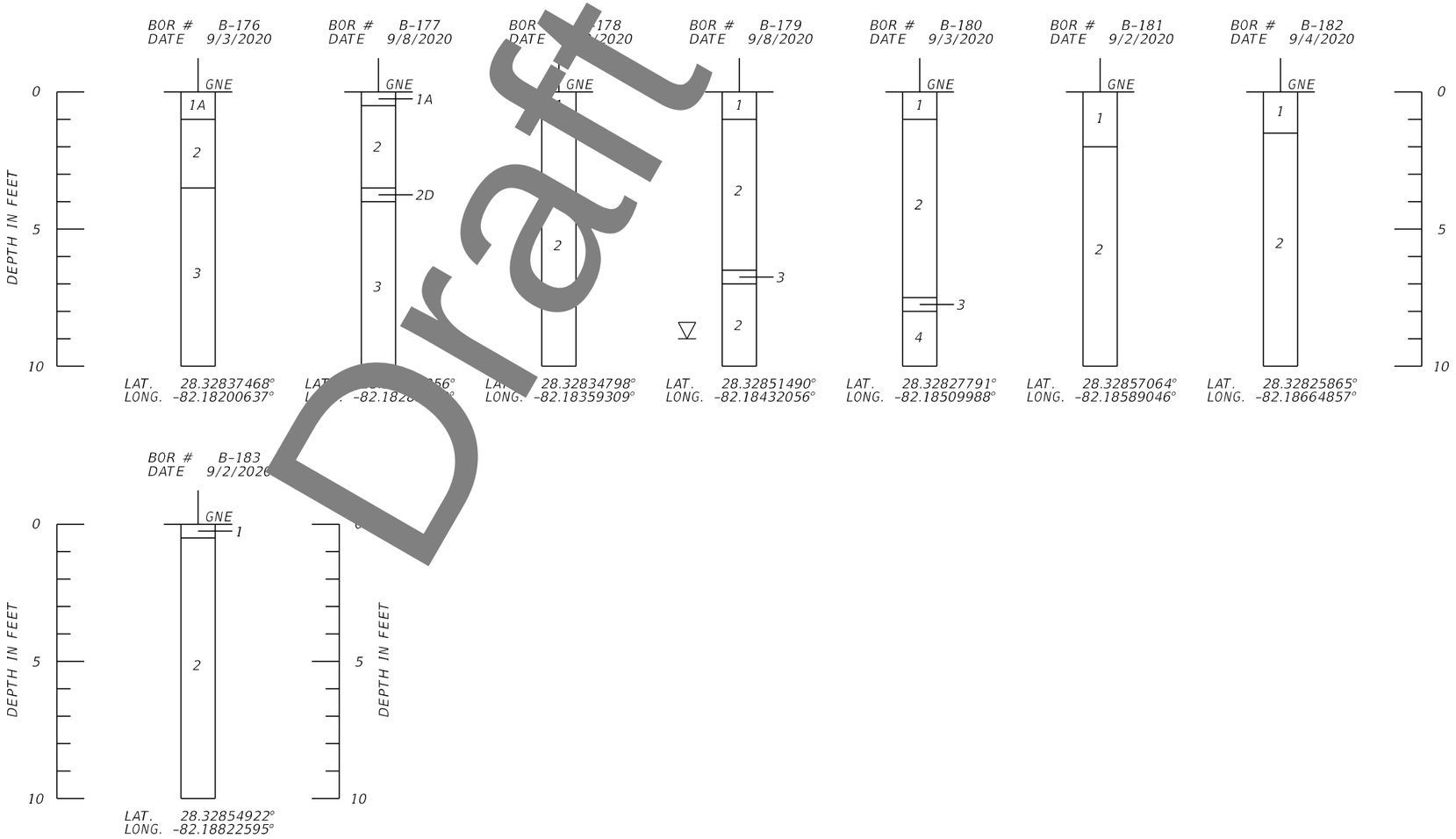
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

SOIL PROFILES (8)

SHEET NO. 23





Draft

LEGEND

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P.E. NO.: 73129
TEST LAB, INC.
4112 WEST OSBORNE AVENUE
TAMPA, FL 33614

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

SOIL PROFILES (9)

SHEET NO. 24

APPENDIX B

Summary of USDA Soil Survey-Polk County
Summary of USDA Soil Survey-Pasco County
Summary of Seasonal High Groundwater Table Estimates

Draft

SUMMARY OF USDA SOIL SURVEY
US 98 FROM POLK COUNTY LINE TO US 301
PASCO COUNTY, FLORIDA
FPN: 443368-3
TEST LAB PROJECT NO: 20-5131

USDA Soil Name	Depth (in)	Soil Classification		Permeability (in/hr)	pH	Seasonal High Water Table	
		USCS	AASHTO			Depth (feet)	Months
(2) Pomona fine sand							
Pomona, non-hydric	0-6	SP, SP-SM	A-2-4, A-3	5.95 - 19.98	3.5-5.5	0.5-1.5	Jul-Sep
	6-22						
	22-36	SM, SP-SM		0.57 - 1.98			
	36-52	SP, SP-SM		5.95 - 19.98			
	52-60	SC, SC-SM, SM	A-2-4, A-4, A-6	0.20 - 0.57			
	60-80	SM, SP-SM	A-2-4, A-3	5.95 - 19.98			
Pomona, hydric	0-6	SP, SP-SM	A-2-4, A-3	5.95 - 19.98	3.5-5.5	0.0-0.5	Feb-Oct
	6-22						
	22-36	SM, SP-SM		0.57 - 1.98			
	36-52	SP, SP-SM		5.95 - 19.98			
	52-60	SC, SC-SM, SM	A-2-4, A-4, A-6	0.20 - 0.57			
	60-80	SM, SP-SM	A-2-4, A-3	5.95 - 19.98			
(5) Myakka-Myakka, wet, fine sand, 0 to 2 percent slopes							
Myakka	0-6	SM, SP-SM	A-3, A-2-4	5.95 - 19.98	3.5-6.5	0.5-1.5	Jun-Nov
	6-20						
	20-36			0.57 - 5.95			
	36-80			5.95 - 19.98			
Myakka, wet	0-6	SM, SP-SM	A-3, A-2-4	5.95 - 19.98	3.5-6.5	0.3-1.5	Jul-Oct
	6-20						
	20-36			0.57 - 5.95			
	36-80			5.95 - 19.98			
(6) Tavares sand, 0 to 5 percent slopes							
Tavares	0-7	SM, SP-SM	A-2-4, A-3	6.00 - 50.03	3.5-6.0	3.5-6.0	Jun-Dec
	7-80	SP-SM, SM					
(7) Sparr fine sand, 0 to 5 percent slopes							
Sparr	0-6	SM, SP-SM	A-2-4, A-3	5.95 - 19.98	4.5-6.5	1.5-3.5	Jul-Oct
	6-43	SP-SM					
	43-48	SC, SC-SM, SM	A-2, A-4, A-6	0.57 - 1.98	4.5-6.0		
	48-59	SC, SC-SM					
	59-80	SC, SC-SM, SM					
(8) Sellers mucky loamy fine sand							
Sellers	0-9	SM, SP-SM	A-2-4, A-3	5.95 - 19.98	6.5-5.5	0.0	Jun-Sep
	9-24						
	24-80						
(13) Candler fine sand, 0 to 5 percent slopes							
Candler	0-5	SM, SP, SP-SM	A-2-4, A-3	5.95 - 50.03	4.5-6.0	—	—
	5-74						
	74-80	SP-SM, SM, SP, SC-SM		5.95 - 19.98			

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SUMMARY OF USDA SOIL SURVEY
US 98 FROM POLK COUNTY LINE TO US 301
PASCO COUNTY, FLORIDA
FPN: 443368-3
TEST LAB PROJECT NO: 20-5131

USDA Soil Name	Depth (in)	Soil Classification		Permeability (in/hr)	pH	Seasonal High Water Table	
		USCS	AASHTO			Depth (feet)	Months
(16) Zephyr muck							
Zephyr	0-13	PT	A-8	5.95 - 19.98	3.5-5.5	0.0	Jun-Nov
	13-31	SP-SM, SM	A-2-4, A-3				
	31-61	SC-SM, SM	A-2-4, A-6	0.06 - 0.20			
	61-80	SM, SC-SM	A-2-4	0.57 - 5.95			
(32) Lake fine sand, 0 to 5 percent slopes							
Lake	0-9	SP-SM	A-2-4, A-3	6.00 - 50.03	4.5-5.5	—	Jan-Dec
	9-80						
(35) EauGallie fine sand							
Eaugallie, non-hydric	0-7	SP, SP-SM	A-3	5.9[illegible] - [illegible]	4.5-6.5	0.5-1.5	Jun-Sep
	7-22						
	22-30	SM, SP-SM	A-2-4, A-3	0.[illegible] - 5.95	[illegible]		
	30-51	SP, SP-SM		5.95 - 19.98	5.6-7.8		
	51-80	SC, SC-SM, SM	A-2-4, A-6	0.57 - 5.[illegible]			
Eaugallie, hydric	0-5	SP, SP-SM	A-2-4, A-3	5.[illegible] - 19.98	3.5-5.0	0.0-0.5	Jun-Sep
	5-13						
	13-25	SM, SP-SM		0.57 - 5.[illegible]			
	25-80	SP, SP-SM	A-3	5.95 - 19.[illegible]	4.5-5.5		
(39) Chobee soils, frequently flooded							
Chobee	0-11	SM, SP-SM	A-2-4	1.98 - [illegible]	6.1-7.3	0.0-0.5	Jan-Feb, Jun-Dec
	11-56	SC	A-2-6, [illegible], A-6, A[illegible]	0.00 - 0.20	7.4-9.0		
	56-80	SC, SC-SM, SM, SP-SM	A-2-4, A-2-6, [illegible]	[illegible] - 5.95			
(43) Arredondo fine sand, 0 to 5 percent slopes							
Arredondo	0-8	SM, SP-SM	A-3, A-2-4	5.95 - 19.98	4.5-6.0	—	Jan-Dec
	8-62						
	62-69	SC-SM, SC	A-2-4, A-2-6	1.98 - 5.95			
	69-80	SC	A-6, A-7-6, [illegible]-4	0.57 - 5.95			
(45) Kendrick fine sand, 0 to 5 percent slopes							
Kendrick	0-7	SM, SP-SM	A-2-4, A-3	6.00 - 20.00	4.5-6.0	—	Jan-Dec
	7-28						
	28-73	SC	A-2-4, A-6, A-2-6	0.60 - 6.00			
	73-80		A-6, A-2-6, A-2-4	0.60 - 2.00			
(72) Orlando fine sand, 0 to 5 percent slopes							
Orlando	0-20	SP-SM, SM	A-2-4, A-3	5.95 - 19.98	5.1-6.0	—	Jan-Dec
	20-80	SP-SM, SM, SC-SM					

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SUMMARY OF USDA NRCS SOIL SURVEY - POLK COUNTY
US 98 FROM POLK COUNTY LINE TO US 301
PASCO COUNTY, FLORIDA
FPN: 443368-3
TEST LAB PROJECT NO: 20-5131

USDA Soil Name	Depth (in)	Soil Classification		Permeability (in/hr)	pH	Seasonal High Water Table	
		USCS	AASHTO			Depth (feet)	Months
(7) Pomona fine sand							
Pomona, non-hydric	0-6	SP, SP-SM	A-2-4, A-3	5.95 - 19.98	3.5-5.5	0.5-1.5	Jun-Oct
	6-21						
	21-26	SM, SP-SM		0.57 - 5.95			
	26-48	SP, SP-SM		1.98 - 19.98	3.5-6.0		
	48-73	SM, SC-SM, SC	A-2, A-4, A-6	0.20 - 1.98	3.5-5.5		
	73-80	SM, SP-SM	A-2-4, A-3	0.57 - 5.95			
Pomona, hydric	0-6	SP, SP-SM	A-2-4, A-3	5.95 - 19.98	3.5-5.5	0.0-1.0	Jun-Oct
	6-21						
	21-26	SM, SP-SM		0.57 - 5.95			
	26-48	SP, SP-SM		1.98 - 19.98	3.5-6.0		
	48-73	SM, SC-SM, SC	A-2, A-4, A-6	0.20 - 1.98	3.5-5.5		
	73-80	SM, SP-SM	A-2-4, A-3	0.57 - 5.95			

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SUMMARY OF SEASONAL HIGH GROUNDWATER TABLE ESTIMATES
US 98 FROM POLK COUNTY LINE TO US 301
PASCO COUNTY, FLORIDA
FPID NO.: 443368-3
TEST LAB PROJECT NO: 20-5131

Boring Name	Boring Location[1]		Boring Depth	Date Recorded	Ground Elevation[2]	Measured Groundwater Table		USDA Soil Survey		Estimated SHGWT[5]	
	Latitude	Longitude	(feet)		(feet, NAVD)	Depth[3] (feet)	Elevation (feet, NAVD	Map Symbol	Estimated SHGWT[4] Depth (feet)	Depth[3] (feet)	Elevation (feet , NAVD)
B-1	28.259173	-82.075799	10.0	9/2/2020	89.8	3.0	86.8	7	0.0-1.0	2.0	87.8
B-2	28.259779	-82.076418	10.0	8/24/2020	89.9	3.0	86.9	2	0.5-1.5	2.0	87.9
B-3	28.259985	-82.077195	10.0	9/2/2020	89.3	3.0	86.3	2	0.5-1.5	2.0	87.3
B-4	28.260484	-82.077728	10.0	8/25/2020	89.1	3.5	85.6	2	0.5-1.5	2.0	87.1
B-5	28.260719	-82.078481	10.0	9/2/2020	88.7	3.5	85.2	2	0.5-1.5	2.0	86.7
B-6	28.261220	-82.079092	10.0	8/25/2020	88.4	2.5	85.9	2	0.5-1.5	1.5	86.9
B-7	28.261426	-82.079759	10.0	9/2/2020	88.4	2.0	86.4	2	0.5-1.5	1.5	86.9
B-8	28.261956	-82.080419	10.0	8/25/2020	88.1	2.5	85.6	2	0.5-1.5	1.5	86.6
B-9	28.262145	-82.081035	10.0	9/2/2020	88.0	2.5	85.5	2	0.5-1.5	1.5	86.5
B-10	28.262673	-82.081702	10.0	8/25/2020	88.2	2.0	86.2	2	0.5-1.5	1.5	86.7
B-11	28.262904	-82.082402	10.0	9/2/2020	88.7	2.0	86.	2	0.5-1.5	1.5	87.2
B-12	28.263410	-82.083029	10.0	8/25/2020	91.4	6.0	85.4	2	0.5-1.5	4.5	86.9
B-13	28.263632	-82.083725	10.0	9/1/2020	91.4	5.5	85.	2	0.5-1.5	4.5	86.9
B-14	28.264118	-82.084297	10.0	8/25/2020	89.3	4.5	84.	2	0.5-1.5	2.5	86.8
B-15	28.264359	-82.085024	10.0	9/1/2020	86.8	2.5	84.	2	0.5-1.5	1.0	85.8
B-16	28.264889	-82.085674	10.0	8/25/2020	86.8	3.0	83.8	2	0.5-1.5	1.5	85.3
B-17	28.265069	-82.086284	10.0	9/1/2020	86.2	2.5	83.7	16	0.0	1.0	85.2
B-18	28.265652	-82.087029	10.0	8/25/2020	86.5	1.	84.	2	0.5-1.5	1.0	85.5
B-19	28.265859	-82.087696	10.0	9/1/2020	86.4	.0	84.	7	1.5-3.5	1.0	85.4
B-20	28.266352	-82.088284	10.0	8/25/2020	86.1	.5	83.6	7	1.5-3.5	1.0	85.1
B-21	28.266577	-82.088971	10.0	9/1/2020	85.5	.5	84.0	16	0.0	1.0	84.5
B-22	28.267083	-82.089594	10.0	9/9/2020	85.5	2.5	83.0	35	0.0-0.5	1.5	84.0
B-23	28.267330	-82.090321	10.0	9/1/2020	85.	2.0		35	0.0-0.5	1.0	84.0
B-24	28.267718	-82.090729	10.0	8/25/2020		2.5	82.3	35	0.0-0.5	1.0	83.8
B-25	28.268072	-82.091657	10.0	9/1/2020	84.8	.5	82.3	39	0.0-0.5	2.0	82.8
B-26	28.268534	-82.092200	10.0	8/25/202	84.9		81.9	39	0.0-0.5	2.0	82.9
B-27	28.268827	-82.093006	10.0			3.5	81.1	39	0.0-0.5	2.0	82.6
B-28	28.269283	-82.093542	10.0	/25/2020	84.6	4.0	80.6	39	0.0-0.5	2.0	82.6
B-29	28.269523	-82.094251	10.0	9/1/2020	84.3	3.0	81.3	39	0.0-0.5	1.5	82.8
B-30	28.270006	-82.094844	10	8/25/2020	84.8	.0	80.8	39	0.0-0.5	2.0	82.8
B-31	28.270288	-82.095620	10.	/1/2020	84.0	3.5	80.5	39	0.0-0.5	2.0	82.0
B-32	28.270601	-82.095923	10.0		85.1	4.0	81.1	39	0.0-0.5	3.0	82.1
B-33	28.271025	-82.096943	10.0	9/1/202	84.4	3.5	80.9	39	0.0-0.5	2.5	81.9
B-34	28.271523	-82.097531	10.0	8/25/2020		5.5	80.4	39	0.0-0.5	4.0	81.9
B-35	28.271873	-82.098511	10.0	9/1/2020	85.0	2.5	82.5	39	0.0-0.5	ND	ND
B-36	28.272232	-82.098809	10.0	8/24/2020	84.2	5.0	79.2	39	0.0-0.5	ND	ND
B-37	28.272469	-82.099506	10.0	9/1/2020	84.5	3.0	81.5	39	0.0-0.5	2.0	82.5
B-38	28.272949	-82.100096	10.0	8/25/2020	84.2	3.5	80.7	2	0.5-1.5	2.0	82.2
B-39	28.273194	-82.100819	10.0	9/1/2020	84.1	2.5	81.6	2	0.5-1.5	2.0	82.1
B-40	28.273712	-82.101460	10.0	8/26/2020	83.7	6.5	77.2	2	0.5-1.5	2.0	81.7
B-41	28.273942	-82.102159	10.0	9/1/2020	84.0	4.0	80.0	2	0.5-1.5	2.5	81.5
B-42	28.274426	-82.102744	10.0	8/26/2020	84.5	5.0	79.5	2	0.5-1.5	3.0	81.5
B-43	28.274694	-82.103500	10.0	9/1/2020	84.6	3.5	81.1	2	0.5-1.5	2.0	82.6
B-44	28.275162	-82.104066	10.0	8/26/2020	84.1	4.5	79.6	2	0.5-1.5	3.5	80.6
B-45	28.275423	-82.104814	10.0	8/31/2020	84.1	3.0	81.1	2	0.5-1.5	2.0	82.1
B-46	28.275894	-82.105386	10.0	8/26/2020	84.6	5.0	79.6	2	0.5-1.5	4.0	80.6
B-47	28.276152	-82.106128	10.0	8/31/2020	84.1	4.0	80.1	2	0.5-1.5	ND	ND
B-48	28.276630	-82.106707	10.0	8/26/2020	84.7	5.5	79.2	2	0.5-1.5	4.0	80.7
B-49	28.276915	-82.107485	10.0	8/31/2020	84.1	3.5	80.6	2	0.5-1.5	2.5	81.6
B-50	28.277349	-82.107986	10.0	8/26/2020	84.4	5.5	78.9	2	0.5-1.5	3.0	81.4
B-51	28.277620	-82.108749	10.0	8/31/2020	84.3	3.5	80.8	16	0.0	2.5	81.8

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SUMMARY OF SEASONAL HIGH GROUNDWATER TABLE ESTIMATES
US 98 FROM POLK COUNTY LINE TO US 301
PASCO COUNTY, FLORIDA
FPID NO.: 443368-3
TEST LAB PROJECT NO: 20-5131

Boring Name	Boring Location[1]		Boring Depth	Date Recorded	Ground Elevation[2]	Measured Groundwater Table		USDA Soil Survey		Estimated SHGWT[5]	
	Latitude	Longitude	(feet)		(feet, NAVD)	Depth[3] (feet)	Elevation feet, NAVD	Map Symbol	Estimated SHGWT[4] Depth (feet)	Depth[3] (feet)	Elevation (feet , NAVD)
B-52	28.278074	-82.109303	10.0	8/26/2020	84.7	5.5	79.2	16	0.0	3.0	81.7
B-53	28.278388	-82.110124	10.0	8/31/2020	84.4	4.5	79.9	16	0.0	3.0	81.4
B-54	28.278818	-82.110638	10.0	8/26/2020	84.8	4.0	80.8	16	0.0	3.0	81.8
B-55	28.279107	-82.111420	10.0	8/31/2020	83.8	3.5	80.3	16	0.0	2.0	81.8
B-56	28.279554	-82.111909	10.0	8/26/2020	83.5	4.5	79.0	16	0.0	3.0	80.5
B-57	28.279832	-82.112709	10.0	8/31/2020	84.1	4.5	79.6	16	0.0	3.0	81.1
B-58	28.280291	-82.113255	10.0	8/26/2020	84.1	6.5	77.6	16	0.0	4.0	80.1
B-59	28.280561	-82.114036	10.0	8/31/2020	83.5	4.5	79.0	2	0.5-1.5	3.0	80.5
B-60	28.281018	-82.114561	10.0	8/27/2020	84.9	6.5	78.4	6	3.5-6.0	4.5	80.4
B-61	28.281282	-82.115320	10.0	8/31/2020	84.4	4.5	79.9	2	0.5-1.5	3.5	80.9
B-62	28.281774	-82.115910	10.0	8/27/2020	84.5	5.5	79.	6	3.5-6.0	4.0	80.5
B-63	28.282011	-82.116617	10.0	8/31/2020	84.8	2.0P	82.8P		3.5-6.0	2.0P	82.8P
B-64	28.282503	-82.117221	10.0	8/27/2020	84.4	4.5	79		5-6.0	3.0	81.4
B-65	28.282726	-82.117907	10.0	8/31/2020	84.0	3.5		2	0.5-1.5	3.0	81.0
B-66	28.283227	-82.118502	10.0	8/27/2020	83.7	5.0	8.	2	0.5-1.5	3.0	80.7
B-67	28.283463	-82.119216	10.0	8/31/2020	82.8	4.5	78.3		0.0-0.5	2.5	80.3
B-68	28.283973	-82.119851	10.0	8/27/2020	83.6	5.0	78.6	39	0.0-0.5	3.5	80.1
B-69	28.284210	-82.120546	10.0	8/31/2020	83.6	4		39	0.0-0.5	3.0	80.6
B-70	28.284690	-82.121138	10.0	8/27/2020	83.1	0	1		0.0-0.5	3.0	80.1
B-71	28.284933	-82.121839	10.0	8/31/2020	83.9	0	7.9	39	0.0-0.5	4.0	79.9
B-72	28.285455	-82.122497	10.0	8/27/2020	81.9	5	76.4	39	0.0-0.5	ND	ND
B-73	28.285735	-82.123281	10.0	8/31/2020	84.0	6.5	7.5	39	0.0-0.5	ND	ND
B-74	28.286190	-82.123834	10.0	8/24/2020	83.1	6.5		39	0.0-0.5	ND	ND
B-75	28.286446	-82.124559	10.0	8/28/2020		8.0	76.4	6	3.5-6.0	6.5	77.9
B-76	28.286852	-82.125027	10.0	8/24/2020	84.4	0	76.4	6	3.5-6.0	6.0	78.4
B-77	28.287200	-82.125927	10.0	8/28/20	84.9	9	75.9	7	1.5-3.5	7.0	77.9
B-78	28.287647	-82.126431	10.0	8/ /20		GNE	<76.2	7	1.5-3.5	>6.0	<80.2
B-79	28.287876	-82.127266	10.0	/28/2020	81.6	GNE	<71.6	7	1.5-3.5	>6.0	<75.6
B-80	28.288388	-82.127777	10.0	8/27/2020	87.8	GNE	<77.8	7	1.5-3.5	>6.0	<81.8
B-81	28.288660	-82.128536	10	8/28/2020	85.7	NE	<75.7	7	1.5-3.5	>6.0	<79.7
B-82	28.289135	-82.129110	10.	/27/2020	84.1	NE	<74.1	7	1.5-3.5	>6.0	<78.1
B-83	28.289345	-82.129771	10.0	8/ /20	84.0	GNE	<74.0	6	3.5-6.0	>6.0	<78.0
B-84	28.289882	-82.130451	10.0	8/27/20	84.2	GNE	<74.2	6	3.5-6.0	>6.0	<78.2
B-85	28.290106	-82.131122	10.0	8/28/2020		GNE	<74.4	72	>6.0	>6.0	<78.4
B-86	28.290574	-82.131684	10.0	8/27/2020	84.6	GNE	<74.6	72	>6.0	>6.0	<78.6
B-87	28.290818	-82.132415	10.0	8/28/2020	87.4	GNE	<77.4	72	>6.0	>6.0	<81.4
B-88	28.291293	-82.132979	10.0	8/27/2020	91.5	GNE	<81.5	72	>6.0	>6.0	<85.5
B-89	28.291558	-82.133753	10.0	8/28/2020	97.1	GNE	<87.1	72	>6.0	>6.0	<91.1
B-90	28.292070	-82.134354	10.0	8/28/2020	102.0	GNE	<92.0	32	>6.0	>6.0	<96.0
B-91	28.292345	-82.135212	10.0	8/28/2020	107.2	GNE	<97.2	32	>6.0	>6.0	<101.2
B-92	28.292813	-82.135680	10.0	8/28/2020	109.9	GNE	<99.9	32	>6.0	>6.0	<103.9
B-93	28.293077	-82.136455	10.0	8/28/2020	111.3	GNE	<101.3	32	>6.0	>6.0	<105.3
B-94	28.293539	-82.136990	10.0	8/28/2020	109.5	GNE	<99.5	32	>6.0	>6.0	<103.5
B-95	28.293768	-82.137693	10.0	8/28/2020	111.8	GNE	<101.8	32	>6.0	>6.0	<105.8
B-96	28.294274	-82.138321	10.0	8/24/2020	117.7	GNE	<107.7	32	>6.0	>6.0	<111.7
B-97	28.294519	-82.139036	10.0	8/28/2020	124.8	GNE	<114.8	32	>6.0	>6.0	<118.8
B-98	28.294989	-82.139616	10.0	8/28/2020	131.6	GNE	<121.6	32	>6.0	>6.0	<125.6
B-99	28.295255	-82.140362	10.0	8/28/2020	136.9	GNE	<126.9	32	>6.0	>6.0	<130.9
B-100	28.295709	-82.140897	10.0	8/28/2020	139.4	GNE	<129.4	32	>6.0	>6.0	<133.4
B-101	28.295948	-82.141603	10.0	9/2/2020	139.9	GNE	<129.9	32	>6.0	>6.0	<133.9
B-102	28.296445	-82.142211	10.0	9/2/2020	138.2	GNE	<128.2	32	>6.0	>6.0	<132.2

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Boring Name	Boring Location[1]		Boring Depth	Date Recorded	Ground Elevation[2]	Measured Groundwater Table		USDA Soil Survey		Estimated SHGWT[5]	
	Latitude	Longitude	(feet)		(feet, NAVD)	Depth[3] (feet)	Elevation feet, NAVD	Map Symbol	Estimated SHGWT[4] Depth (feet)	Depth[3] (feet)	Elevation (feet , NAVD)
B-103	28.296676	-82.142910	10.0	9/2/2020	134.4	GNE	<124.4	32	>6.0	>6.0	<128.4
B-104	28.297173	-82.143511	10.0	9/2/2020	127.0	GNE	<117.0	32	>6.0	>6.0	<121.0
B-105	28.297443	-82.144294	10.0	9/2/2020	118.9	9.5	109.4	32	>6.0	>6.0	<112.9
B-106	28.297888	-82.144816	10.0	9/2/2020	116.9	GNE	<106.9	32	>6.0	>6.0	<110.9
B-107	28.298174	-82.145627	10.0	9/3/2020	120.6	GNE	<110.6	32	>6.0	>6.0	<114.6
B-108	28.298673	-82.146188	10.0	9/2/2020	125.7	GNE	<115.7	32	>6.0	>6.0	<119.7
B-109	28.299415	-82.147514	10.0	9/3/2020	126.5	GNE	<116.5	32	>6.0	>6.0	<120.5
B-110	28.299618	-82.148304	10.0	9/4/2020	123.9	GNE	<113.9	32	>6.0	>6.0	<117.9
B-111	28.300140	-82.148783	10.0	9/3/2020	121.5	GNE	<111.5	32	>6.0	>6.0	<115.5
B-112	28.300409	-82.149604	10.0	9/4/2020	121.6	GNE	<111.6	32	>6.0	>6.0	<115.6
B-113	28.300876	-82.150131	10.0	9/3/2020	123.7	GNE	<113	32	>6.0	>6.0	<117.7
B-114	28.301101	-82.150867	10.0	9/9/2020	127.9	GNE	<117.9	[illegible]	>6.0	>6.0	<121.9
B-115	28.301603	-82.151468	10.0	9/3/2020	131.4	8.5	122	[illegible]	>6.0	>6.0	<125.4
B-116	28.301852	-82.152182	10.0	9/9/2020	130.4	GNE	[illegible]4	32	>6.0	>6.0	<124.4
B-117	28.302306	-82.152735	10.0	9/3/2020	128.5	GNE	[illegible]	32	>6.0	>6.0	<122.5
B-118	28.302585	-82.153495	10.0	9/9/2020	126.1	GNE	<116.1	[illegible]	>6.0	>6.0	<120.1
B-119	28.303087	-82.154134	10.0	9/3/2020	122.4	GNE	<112.4	32	>6.0	>6.0	<116.4
B-120	28.303676	-82.155466	10.0	9/9/2020	118.5	G[illegible]	[illegible]	32	>6.0	>6.0	<112.5
B-121	28.304179	-82.156086	10.0	9/4/2020	119.4	[illegible]E	<[illegible].4	[illegible]	>6.0	>6.0	<113.4
B-122	28.304418	-82.156794	10.0	9/9/2020	121.0	[illegible]E	[illegible]11.0	[illegible]	>6.0	>6.0	<115.0
B-123	28.304913	-82.157400	10.0	9/4/2020	125.5	[illegible]E	[illegible]115.5	32	>6.0	>6.0	<119.5
B-124	28.305180	-82.158138	10.0	9/9/2020	129.[illegible]	GNE	[illegible]19.5	32	>6.0	>6.0	<123.5
B-125	28.305620	-82.158673	10.0	9/4/2020	131.[illegible]	GNE	[illegible]	32	>6.0	>6.0	<125.6
B-126	28.305901	-82.159451	10.0	9/9/2020	[illegible]	GNE	<121.8	32	>6.0	>6.0	<125.8
B-127	28.306379	-82.159999	10.0	9/4/2020	129.8	[illegible]NE	<119.8	32	>6.0	>6.0	<123.8
B-128	28.306649	-82.160815	10.0	9/9/[illegible]	128.5	G[illegible]	<118.5	32	>6.0	>6.0	<122.5
B-129	28.307095	-82.161295	10.0	[illegible]020	[illegible]	GNE	[illegible]18.3	32	>6.0	>6.0	<122.3
B-130	28.307363	-82.162069	10.0	[illegible]9/2020	128.6	GNE	<118.6	32	>6.0	>6.0	<122.6
B-131	28.307841	-82.162654	10.0	9/4/2020	129.3	[illegible]NE	<119.3	32	>6.0	>6.0	<123.3
B-132	28.308100	-82.163398	10[illegible]	9/9/2020	131.5	[illegible]NE	<121.5	32	>6.0	>6.0	<125.5
B-133	28.308581	-82.163977	10.[illegible]	[illegible]/4/2020	133.4	[illegible]NE	<123.4	32	>6.0	>6.0	<127.4
B-134	28.308828	-82.164696	10.0	[illegible]	135.8	GNE	<125.8	32	>6.0	>6.0	<129.8
B-135	28.309305	-82.165285	10.0	9/4/202[illegible]	139.3	GNE	<129.3	32	>6.0	>6.0	<133.3
B-136	28.309574	-82.166041	10.0	9/8/2020	[illegible]	GNE	<133.7	13	>6.0	>6.0	<137.7
B-137	28.310036	-82.166583	10.0	9/4/2020	147.8	GNE	<137.8	13	>6.0	>6.0	<141.8
B-138	28.310299	-82.167338	10.0	9/8/2020	152.0	GNE	<142.0	13	>6.0	>6.0	<146.0
B-139	28.310808	-82.167987	10.0	9/4/2020	153.3	GNE	<143.3	32	>6.0	>6.0	<147.3
B-140	28.310978	-82.168561	10.0	9/8/2020	152.9	GNE	<142.9	32	>6.0	>6.0	<146.9
B-141	28.311528	-82.169260	10.0	9/4/2020	150.1	GNE	<140.1	32	>6.0	>6.0	<144.1
B-142	28.311933	-82.169988	10.0	9/4/2020	144.7	GNE	<134.7	32	>6.0	>6.0	<138.7
B-143	28.312513	-82.170242	6.0	9/14/2020	141.1	GNE	<135.1	32	>6.0	>6.0	<135.1
B-144	28.313027	-82.170729	6.0	9/14/2020	137.7	GNE	<131.7	32	>6.0	>6.0	<131.7
B-145	28.313695	-82.171035	6.0	9/14/2020	142.2	GNE	<136.2	13	>6.0	>6.0	<136.2
B-146	28.314303	-82.171418	6.0	9/17/2020	148.8	GNE	<142.8	13	>6.0	>6.0	<142.8
B-147	28.314931	-82.171503	6.0	9/17/2020	152.0	GNE	<146.0	13	>6.0	>6.0	<146.0
B-148	28.315707	-82.171769	6.0	9/17/2020	153.3	GNE	<147.3	13	>6.0	>6.0	<147.3
B-149	28.316369	-82.171669	6.0	9/17/2020	152.9	GNE	<146.9	13	>6.0	>6.0	<146.9
B-150	28.317031	-82.171818	6.0	9/17/2020	151.4	GNE	<145.4	13	>6.0	>6.0	<145.4
B-151	28.317707	-82.171662	6.0	9/14/2020	150.6	GNE	<144.6	13	>6.0	>6.0	<144.6
B-152	28.318441	-82.171668	6.0	9/14/2020	145.5	GNE	<139.5	13	>6.0	>6.0	<139.5
B-153	28.319090	-82.171710	6.0	9/14/2020	137.8	GNE	<131.8	13	>6.0	>6.0	<131.8

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Boring Name	Boring Location[1]		Boring Depth	Date Recorded	Ground Elevation[2]	Measured Groundwater Table		USDA Soil Survey		Estimated SHGWT[5]	
	Latitude	Longitude	(feet)		(feet, NAVD)	Depth[3] (feet)	Elevation (feet, NAVD	Map Symbol	Estimated SHGWT[4] Depth (feet)	Depth[3] (feet)	Elevation (feet , NAVD)
B-154	28.319792	-82.171732	6.0	9/14/2020	130.8	GNE	<124.8	43	>6.0	>6.0	<124.8
B-155	28.320495	-82.171688	6.0	9/14/2020	125.5	GNE	<119.5	43	>6.0	>6.0	<119.5
B-156	28.321165	-82.171746	6.0	9/14/2020	121.1	GNE	<115.1	43	>6.0	>6.0	<115.1
B-157	28.321911	-82.171713	6.0	9/14/2020	119.7	GNE	<113.7	43	>6.0	>6.0	<113.7
B-158	28.322479	-82.171761	6.0	9/14/2020	119.8	GNE	<113.8	43	>6.0	>6.0	<113.8
B-159	28.323211	-82.171759	6.0	9/14/2020	110.5	GNE	<104.5	43	>6.0	>6.0	<104.5
B-160	28.323891	-82.171928	6.0	9/14/2020	100.3	GNE	<94.3	13	>6.0	>6.0	<94.3
B-161	28.32462697	-82.17211798	6.0	9/14/2020	91.8	GNE	<85.8	13	>6.0	>6.0	<85.8
B-162	28.325087	-82.172643	6.0	9/14/2020	91.1	GNE	<85.1	13	>6.0	>6.0	<85.1
B-163	28.325804	-82.172899	6.0	9/14/2020	84.4	GNE	<78.4	13	>6.0	>6.0	<78.4
B-164	28.326226	-82.173469	6.0	9/14/2020	84.7	GNE	<78	43	>6.0	>6.0	<78.7
B-165	28.326867	-82.173893	6.0	9/14/2020	91.3	GNE	<85.3	[illegible]	>6.0	>6.0	<85.3
B-166	28.327117	-82.174578	6.0	9/14/2020	96.4	GNE	<90	4[illegible]	>6.0	>6.0	<90.4
B-167	28.327697	-82.175149	6.0	9/14/2020	103.1	GNE	[illegible]	32	>6.0	>6.0	<97.1
B-168	28.327859	-82.175947	6.0	9/14/2020	91.1	GNE	[illegible]	32	>6.0	>6.0	<85.1
B-169	28.32817633	-82.17655495	6.0	9/14/2020	93.1	GNE	<87.1	[illegible]	>6.0	>6.0	<87.1
B-170	28.328270	-82.177345	10.0	9/8/2020	95.2	GNE	<85.2	32	>6.0	>6.0	<89.2
B-171	28.328470	-82.178139	10.0	9/8/2020	105.1	G[illegible]	[illegible]	32	>6.0	>6.0	<99.1
B-172	28.328366	-82.178834	10.0	9/8/2020	110.2	[illegible]E	[illegible]2	[illegible]	>6.0	>6.0	<104.2
B-173	28.328475	-82.179686	10.0	9/8/2020	117.0	[illegible]E	07.0	[illegible]	>6.0	>6.0	<111.0
B-174	28.328371	-82.180318	10.0	9/8/2020	124.4	[illegible]E	114.4	45	>6.0	>6.0	<118.4
B-175	28.328483	-82.181232	10.0	9/8/2020	135.[illegible]	GNE	25.0	45	>6.0	>6.0	<129.0
B-176	28.328375	-82.182006	10.0	9/3/2020	142.[illegible]	GNE	[illegible]	43	>6.0	>6.0	<136.1
B-177	28.328491	-82.182825	10.0	9/8/2020	[illegible]	GNE	<136.7	43	>6.0	>6.0	<140.7
B-178	28.328348	-82.183593	10.0	9/3/2020	148.7	[illegible]NE	<138.7	43	>6.0	>6.0	<142.7
B-179	28.328515	-82.184321	10.0	9/8/20[illegible]	146.4	[illegible]	137.4	43	>6.0	>6.0	<140.4
B-180	28.328278	-82.185100	10.0	[illegible]020	[illegible]	GNE	132.2	43	>6.0	>6.0	<136.2
B-181	28.328571	-82.185890	10.0	[illegible]/2/2020	135.0	GNE	<125.0	43	>6.0	>6.0	<129.0
B-182	28.328259	-82.186649	10.0	9/4/2020	126.9	[illegible]NE	<116.9	32	>6.0	>6.0	<120.9
B-183	28.328549	-82.188226	10[illegible]	9/2/2020	127.7	[illegible]NE	<117.7	32	>6.0	>6.0	<121.7

(1) Boring latitude & longitude provided by the project surveyor
(2) Boring elevation provided by the project surveyor using the NAVD 19[illegible]
(3) Depth below existing grades at time of field exploration
(4) Seasonal high groundwater table depth presented in the Soil Surveys of Polk & Pa[illegible] Florid[illegible]lished by the USDA/NRCS
(5) Seasonal high groundwater table depth estimated based on soil stratigraphy, measured g[illegible]vels from the borings, the Soil Surveys of Polk & Pasco County published information and past experience with similar soil conditions
(6) GNE = Groundwater Not Encountered within the depth of the boring performed
(7) ND = SHGWT could not be determined due to disturbed soil conditions
(8) P= Indictes perched groundwater table condition above clayey soil

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APPENDIX C

Summary of Corrosion Test Results
Summary of Laboratory Test Results
Summary of Resilient Modulus Testing Results

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SUMMARY OF CORROSION TEST RESULTS
US 98 FROM POLK COUNTY LINE TO US 301
PASCO COUNTY, FLORIDA
FPN NO: 443368-3
TEST LAB PROJECT NO: 20-5131

Sample Location Location		Boring Number/ Sample Type	Sample Depth (ft)	pH (FM 5-550)	Resistivity (ohm-cm) (FM 5-551)	Chlorides (ppm) (FM 5-552)	Sulfates (ppm) (FM 5-553)	Environmental Classification	
Lat:	Long:							Steel	Concrete
28.263548	-82.083456	Surface Water Sample (farm crossing)	N/A	6.5	13,000	41	≤ 2.0	Slightly Aggressive	Slightly Aggressive
28.263784	-82.083609	Soil Sample (farm crossing)	0-1.5	7.4	12,000	50	≤ 2.0	Slightly Aggressive	Slightly Aggressive
28.28787589	-82.12726581	Soil Sample (farm crossing)	0-1.5	8.0	7,200	52	≤ 2.0	Slightly Aggressive	Slightly Aggressive
28.25998461	-82.07719524	Soil Sample B-3	2.5-4.5	8.2	17,000	59	≤ 2.0	Slightly Aggressive	Slightly Aggressive
28.26928327	-82.09354181	Soil Sample B-28	1.5-5	7.8	32,000	53	≤ 2.0	Slightly Aggressive	Slightly Aggressive
28.27761969	-82.10874933	Soil Sample B-51	0.5-4	7.8	[illegible]	[illegible]	≤ 2.0	Slightly Aggressive	Slightly Aggressive
28.28988181	-82.13045072	Soil Sample B-84	2.5-6.5	7.8	[illegible]	50	6	Slightly Aggressive	Slightly Aggressive

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SUMMARY OF LABORATORY TEST RESULTS
US 98 FROM POLK COUNTY LINE TO US 301
PASCO COUNTY, FLORIDA
FPN: 443368-3
TEST LAB PROJECT NO: 20-5131

Boring Number	Sample Depth (ft)*	Stratum Number	AASHTO Symbol	Seive Analysis					Atterberg Limits			Organic Content (%)	Natural Moisture Content (%)
				#10	#40	#60	#100	#200	Liquid Limit	Plastic Limit	Plasticity Index		
B-1	0.0-0.5	1	A-2-4	94.3	86.9	67.0	35.8	11.1	--	--	--	--	--
B-35	0.5-1.0	1	A-3	88.1	85.0	69.2	35.0	9.5	--	--	--	--	12.7
B-110	3.0-3.5	1	A-3	99.3	96.7	77.7	35.9	9.1	--	--	--	--	--
B-15	1.5-2.0	2	A-3	100.0	97.0	77.9	42.4	9.8	--	--	--	--	--
B-29	5.5-6.0	2	A-2-4	99.9	97.5	81.9	49.6	11.1	--	--	--	--	--
B-42	3.0-3.5	2	A-3	100.0	97.5	80.3	47.5	8.4	--	--	--	--	--
B-60	1.0-1.5	2	A-3	100.0	97.4	78.7	37.8	7.2	--	--	--	--	--
B-96	2.0-2.5	2	A-3	100.0	98.9	84.3	39.8	5.4	--	--	--	--	--
B-122	4.0-4.5	2	A-3	100.0	97.6	73.5	32.3	6.6	--	--	--	--	--
B-135	5.0-5.5	2	A-3	100.0	86.4	80.4	36.0	5.8	--	--	--	--	--
B-148	5.5-6.0	2	A-3	100.0	98.7	81.4	36.8	3.9	--	--	--	--	--
B-161	1.0-1.5	2	A-3	100.0	98.3	74.1	32.5	4.1	--	--	--	--	--
B-173	7.0-7.5	2	A-2-4	99.2	98.9	85.7	44.7	[illegible]	--	--	--	--	--
B-183	0.5-1.0	2	A-3	91.9	86.9	70.7	36.8	[illegible]	--	--	--	--	--
B-6	2.5-3.0	3	A-2-4	100.0	97.7	79.[illegible]	50.4	27.9	[illegible]	15	8	--	20.7
B-10	4.5-5.0	3	A-2-4	100.0	97.3	82.[illegible]	[illegible]	27.5	2[illegible]	[illegible]	9	--	20.4
B-14	1.0-1.5	3	A-2-4	99.6	90.8	55.1	[illegible]	20.2	20	[illegible]	6	--	12.5
B-31	3.0-3.5	3	A-2-4	100.0	96.9	69.7	[illegible]	[illegible]	NP	NP	NP	--	18.1
B-62	6.5-7.0	3	A-2-4	100.0	97.2	80.4	45.1	22.[illegible]	[illegible]	--	--	--	--
B-72	1.0-1.5	3	A-2-4	99.9	97.8	83.0	45.0	22.0	[illegible]	NP	NP	--	44.2
B-97	7.0-7.5	3	A-2-4	99.2	98.5	87.[illegible]	[illegible]	26.9	23	16	7	--	18.9
B-175	4.0-4.5	3	A-2-4	99.9	99.4	[illegible]	53.[illegible]	[illegible]	20	14	6	--	17.2
B-2	4.0-4.5	4	A-7-6	100.0	98.0	[illegible].1	63.[illegible]	3[illegible]	[illegible]	20	23	--	21.4
B-63	3.0-3.5	4	A-6	99.9	98.4	[illegible].4	[illegible].0	38.[illegible]	35	17	18	--	21.3
B-80	0.5-1.0	4	A-6	98.7	92.9	[illegible].3	[illegible].4	43.[illegible]	38	21	17	--	20.1
B-91	2.0-2.5	4	A-4	99.5	[illegible]	86.3	[illegible].6	37.[illegible]	20	14	6	--	14.9
B-92	5.0-5.5	4	A-4	99.8	[illegible].0	85.5	[illegible]	[illegible].4	22	15	7	--	15.1
B-119	8.0-8.5	4	A-6	99.8	[illegible].7	80.2	48.9	36.3	37	22	15	--	19.9
B-141	6.0-6.5	4	A-6	97.5	[illegible]	82.3	59.3	39.2	28	16	12	--	19.7
B-72	2.5-3.0	5	A-8	99.8	97.[illegible]	[illegible].6	46.4	23.2	--	--	--	15.8	42.5
B-5	3.5-4.0	6	A-3	[illegible]	96.9	[illegible]	[illegible].6	8.5	--	--	--	2.1	20.3
B-8	6.5-7.0	6	A-2-4	[illegible]	[illegible].3	78.7	[illegible].3	10.1	--	--	--	3.6	12.4
B-11	2.0-2.5	6	A-2-[illegible]	100.0	[illegible]	79.2	44.8	13.3	--	--	--	5.2	29.5
B-25	3.0-3.5	6	A-[illegible]	100.0	97.[illegible]	[illegible].9	46.4	13.0	--	--	--	4.2	31.9
B-39	3.5-4.0	6	A-[illegible]-4	99.7	97.0	[illegible].4	46.6	11.8	--	--	--	4.6	28.5
B-69	6.0-8.0	6	A-[illegible]-4	99.9	97.1	[illegible].0	38.7	11.0				5.2	16.9
B-72	2.0-2.5	6	A-[illegible]	98.7	92.3	[illegible].4	43.3	30.9	--	--	--	4.3	16.0

Draft

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAULT
SECRETARY

MEMORANDUM

DATE: October 20, 2020

TO: Teresa Puckett, District Geotechnical Materials Engineer

FROM: David Horhota, State Geotechnical Materials Engineer

SUBJECT: Embankment Resilient Modulus Pavement Design
District 7, Pasco County
FPN 443368-3: US-98/SR-700 from S of Polk County Line to SR-35/39/700 (US-301/98)

Eighteen (18), 2-bag samples were received by the State Materials Office (SMO) for determination of an embankment (roadbed) resilient modulus for pavement design. Upon visual observation of the eighteen samples, it was determined that the material from each 2-bag sample looked visually similar and the material from each of the bags were combined to form one sample from each location. After combining materials from the bags, samples from each location were obtained for classification tests (Atterberg limits, particle size analysis, and organic content), Proctor density, and resilient modulus. The classification test results are reported in Tables 1 and 2. Information provided for this project by Terracon, Inc. indicated all samples were collected from between 1.0 and 2.0 feet in depth.

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Table 1. Summary of Gradation Results

Sample ID	Passing 3/4" (%)	Passing 1/2" (%)	Passing 3/8" (%)	Passing No. 4 (%)	Passing No. 10 (%)	Passing No. 40 (%)	Passing No. 60 (%)	Passing No. 100 (%)	Passing No. 200 (%)
MR-1	100.0	100.0	99.5	97	94.4	88.7	73.5	43.6	17.9
MR-2	100.0	99.6	99.6	99.1	98.2	94.2	78.3	40.7	10.4
MR-3	100.0	99.3	97.9	96.3	91.8	87.4	73.7	42.5	13.0
MR-4	100.0	100.0	99.7	98.1	95.0	91.3	78.1	42.5	10.4
MR-5	100.0	100.0	99.9	99.5	99.1	95.3	78.8	41.5	10.5
MR-6	100.0	100.0	99.9	99.0	97.3	94.6	80.4	44.0	9.5
MR-7	100.0	100.0	100.0	99.7	99.1	95.5	78.7	37.0	9.8
MR-8	100.0	100.0	99.7	98.8	95.1	90.1	76.0	45.4	22.7
MR-9	100.0	99.1	98.7	98.3	97.7	94.5	78.5	37.9	11.4
MR-10	100.0	100.0	100.0	99.9	99.7	97.6	82.3	38.8	7.5
MR-11	100.0	99.8	99.7	99.2	97.0	92.4	73.1	31.1	8.9

MR-12	100.0	100.0	100.0	99.5	98.8	96.3	80.6	40.2	10.3
MR-13	100.0	100.0	99.9	99.6	98.5	96.1	81.5	15.5	10.5
MR-14	100.0	100.0	99.6	95.2	88.6	84.0	71.1	38.0	12.1
MR-15	100.0	100.0	100.0	100.0	99.9	98.5	81.4	37.2	4.3
MR-16	100.0	100.0	100.0	100.0	99.9	98.5	82.3	37.2	4.3
MR-17	100.0	100.0	100.0	99.8	99.7	97.8	81.3	37.2	6.0
MR-18	100.0	98.8	97.8	95.8	90.9	85.9	74.2	41.6	17.3

Table 2. Summary of Classification Results

Sample ID	Sample Location	Soil Class.	Organic Content (%)	LL/PI
MR-1	28.259427, -82.075694	-2-4	0.6	N.P.
MR-2	28.263090, -82.0827		1.2	N.P.
MR-3	28.267035, -82.0895	A-2-4		N.P.
MR-4	28.270770, -82.096473	-3	0.9	N.P.
MR-5	28.274723, -82.103304	A-2	2.3	N.P.
MR-6	28.278475, -82.110	A-3	1.0	N.P.
MR-7	28.282436, -82.11 138		1.3	N.P.
MR-8	28.286179, -82.12 111	A 2-4	2.7	N.P.
MR-9	28.290166, -8 130975	2-4	2.2	N.P.
MR-10	28.293951, -8 .138017	A-3	2.0	N.P.
MR-11	28.297931, -8 4886	A-3	1.3	N.P.
MR-12	28.30 -82.151	A-3	1.9	N.P.
MR-13	305679, - 158765	A-3	1.9	N.P.
MR-14	28.309405, -82. 5722	A-2-4	2.6	N.P.
MR-15	28.314343, -82.1 1289	A-3	0.6	N.P.
MR-16	31555, -82. 1736	A-3	0.8	N.P.
MR-17	28.32 -8 175182	A-3	1.2	N.P.
MR-18	28.328375, 2.138805	A-2-4	1.2	N.P.

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In addition to the classification testing, the following test program was conducted:

(1) Standard Proctor, AASHTO T 99
(2) Resilient Modulus (M_R), AASHTO T 307.

A summary of laboratory test results is included in Table 3. The resilient modulus values listed in this table were obtained using the relationship developed from each individual test (resilient modulus versus bulk stress - with bulk stress, Θ, defined as $\Theta = \sigma_1 + \sigma_2 + \sigma_3$), and using a bulk stress of 11 psi, which is the recommendation from Dr. Ping's research work in modeling the embankment in-situ stresses for Florida pavement conditions. The resilient modulus samples were compacted to within 1 pound per cubic foot (pcf) of the maximum density and 0.5 percent of the optimum moisture content as determined by AASHTO T99.

Table 3. Summary of T-99 and M_R Test Results

Sample ID	Passing No. 200 (%)	Standard Proctor Density (pcf)	Optimum Moisture Content (%)	Resilient Modulus @ Θ=11psi (psi)
MR-1	18	121.0	9.9	15,127
MR-2	10	114.1	11.3	13,247
MR-3	13	114.6	11.7	13,756
MR-4	10	115.8	11.3	13,388
MR-5	11	112.8	11.5	12,400
MR-6	9	114.8	10.3	13,930
MR-7	10	112.8	11.5	14,064
MR-8	23	119.6	[illegible]	13,681
MR-9	11	113.0	[illegible]	12,238
MR-10	7	111.5	[illegible]2.4	11,689
MR-11	9	114.0	[illegible]	14,140
MR-12	10	114.2	11.1	14,395
MR-13	10	112.6	[illegible].6	12,607
MR-14	12	114.2	[illegible]	12,382
MR-15	4	106.7	12.9	15,001
MR-16	4	106.[illegible]	13.[illegible]	12,813
MR-17	6	111.[illegible]	[illegible].2	13,143
MR-18	17	119.[illegible]	10.2	15,789

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To obtain a design embankment resilient modulus a 90 percent method was used as outlined in both the Flexible Pavement Design Manual and Soils and Foundations Handbook. The resilient modulus values were ranked in ascending order and the percentage of values which were greater than or equal to the individual value were determined. The results of this analysis are recorded in Table 4 and the corresponding graph of these results is included as Figure 1.

Table 4. Ranked M_R Test Results for 90 Percent Method

Rank	Sample ID	% ≥	M_R (psi)
1	MR-10	100	11,689
2	MR-9	94	12,238
3	MR-14	89	12,382
4	MR-5	83	12,400
5	MR-13	78	12,607
6	MR-16	72	12,813
7	MR-17	67	13,143
8	MR-2	61	13,247

9	MR-4	56	13,388
10	MR-8	50	13,681
11	MR-3	44	13,756
12	MR-6	39	13,930
13	MR-7	33	14,064
14	MR-11	28	14,140
15	MR-12	22	14,395
16	MR-15	17	15,001
17	MR-1	11	15,127
18	MR-18	6	15,789

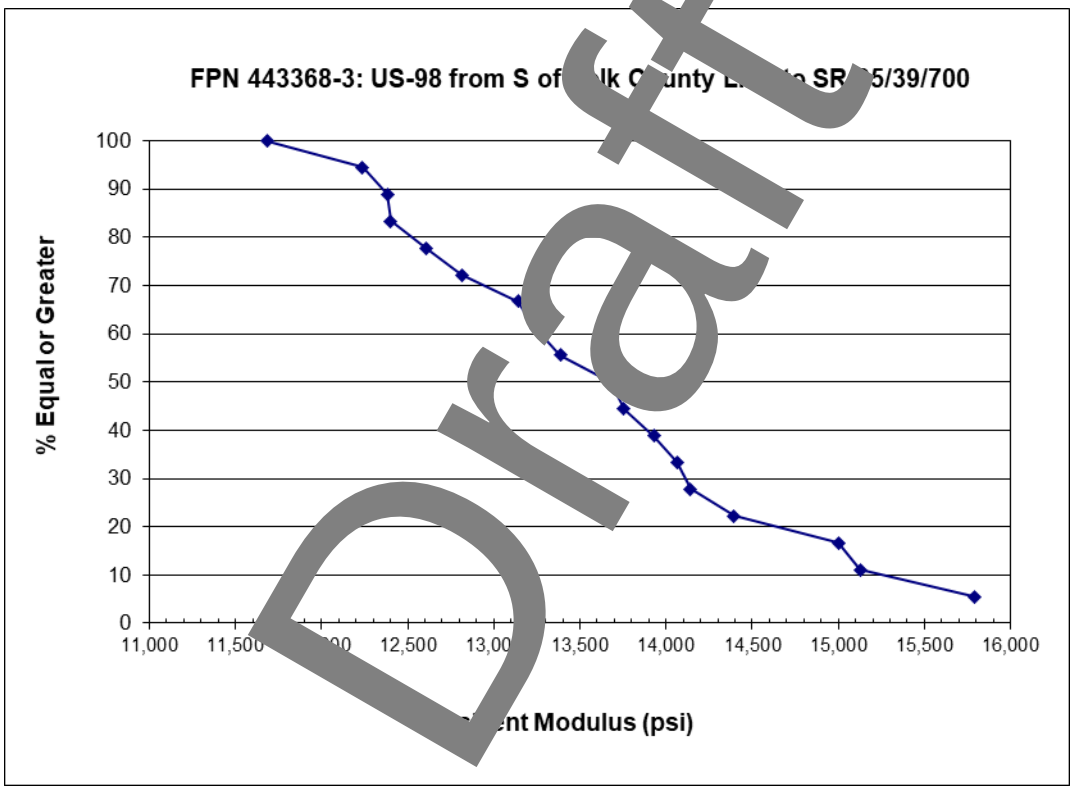

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Figure 1. Ranked M_R Test Results for 90% Method

Based on the results shown in Table 4 and Figure 1, the resilient modulus corresponding to a 90th percentile is **12,400 psi**, which would represent the design embankment M_R value.

GEOTECHNICAL EXPLORATION DATA REPORT - STRUCTURES
US 98 FROM POLK COUNTY LINE TO US 301

FPID NO. 443368-3

TEST LAB PROJECT NO. GE-2[illegible]13

Draft

Prepared for:

FLORIDA DEPARTMENT OF TRANSPORTATION
FDOT DISTRICT 1/7 MATERIALS OFFICE
P.O. BOX 1249, 2[illegible]0 STATE ROAD 60 WEST

Prepared by:

TEST LAB INC.
GEOTECHNICAL & MATERIALS
ENGINEERING, TESTING & INSPECTION

P.O. Box 15732
Tampa, Florida 33684
Florida Certificate of Authorization No. 1450

TEST LAB INC.
GEOTECHNICAL & MATERIALS
ENGINEERING, TESTING & INSPECTION

July 15, 2021

Florida Department of Transportation
FDOT District 1/7 Materials Office
P.O. Box 1249, 2730 State Road 60 West

Attention: Ms. Teresa (Terry) Puckett, P.E.

Subject: **Geotechnical Exploration Data Report - Structures**
Contract No. C-9S21 – Tas
US 98 from Polk Cou y Lin 301
US 98 over Hillsbor gh R ver
US 98 over Old Lakel ighway
Pasco County, Florida
FPN No. 443368-3
Test Lab Project No. GE-20-5131

Draft

Dear Ms. Puckett:

Test Lab, Inc. (Test Lab) has performed a geo chnical e ration at US 98 over the Hillsborough River crossing and US 98 over Old Lakeland Highwa ssing.

Test Lab appreciates the opportunit pr our ser es to the Florida Department of Transportation (FDOT) on this project. If there a any questions ncerning this exploration, or if we may be of any further assistance, please do not hesit to contact us.

Respectfully submitted,
Test Lab, Inc.
4112 West Osborne Avenue, Tampa, Florida 33614
Florida Certificate of Authorization No. 1450

IGOR KRATSER
LICENSE
No 73129
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Connie Johnson-Gearhart

Igor Kratser
2021.07.16
10:51:40 -04'00'

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This item has been digitally signed and sealed by Igor (Igon) Kratser, P.E. on the date adjacent to the seal.

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APPENDIX D
Report of Core Borings - Provided by the Department

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PROJECT INFORMATION

Project Description

This report focuses specifically on US 98 bridge crossings over Hillsborough River and Old Lakeland Highway, Bridge Nos. 140024 and 140025, respectively. The subsurface information obtained to date is provided herein.

General Site Conditions

The existing roadway section of US 98 along the referenced alignment consists of a rural, two-lane road supported by an embankment. The stormwater conveyance system within the project corridor consists of linear swales adjacent to the existing roadway. Land use generally consists of heavily wooded parcels, undeveloped grass covered parcels with isolated stands of trees and sporadic light residential and commercial development.

PURPOSE AND SCOPE OF SERVICES

The geotechnical exploration presented herein was performed to obtain subsurface information at the above referenced site. The following services were provided in order to achieve the preceding objective:

i. Reviewed readily available published topographic and soils information. This information included Florida Quadrangle maps published by the United States Geological Survey (USGS) and the "Soil Survey of Pasco County, Florida" published by the United States Department of Agriculture (USDA) Natural Resource Conservation Services (NRCS), and the "Potentiometric Surface of the Upper Floridan Aquifer in the Southwest Florida Water Management District September 2015" map produced by Southwest Florida Water Management District.

ii. Completed a program of subsurface exploration consisting of five (5) Standard Penetration Test (SPT) borings advanced to depths of 65 to 155 feet.

iii. Visually classified the recovered soil samples in the laboratory. Performed laboratory tests on selected representative samples to develop the soil legend for the project using the Unified Soil Classification System (USCS).

iv. Prepared this Geotechnical Exploration Data Report for the project.

REVIEW OF AVAILABLE DATA

Regional Geology

Based on a review of the publications titled "A Geological Overview of Florida" prepared by the State of Florida Department of Natural Resources, 1992 and the Based on a review of the publication titled "A Geological Overview of Florida" prepared by the State of Florida Department of Natural Resources, 1992, and the USDA Soil Survey, the general project area lies within the area called the Brooksville Ridge, described as follows:

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The Brooksville Ridge occupies most of Hernando County. It extends easterly form about U.S. Highway 19 to U.S. Highway 301. The Brooksville Ridge can be divided into two parts. The rolling, deep, sandy ridges on the western and eastern edges are dominated by deep, sandy soils with numerous depressions and sinks. Elevations range from about 75 to 100 feet in the western part and from about 50 to 100 feet in the eastern part. The central part of the Brooksville Ridge ranges in elevation from about 100 to more than 200 feet. These rolling areas consist of poorly drained to well drained, sandy to clayey soils.

Undifferentiated Pleistocene sand and clays exist from the surface to approximately 10 feet below grade. These soils are underlain by soils of the Miocene age Hawthorne Group that typically occur between 10 and 45 feet below grade. These soils are mostly clay with sand seams. Soils in this group frequently comprise the confining unit of the Floridan aquifer. Below this group is the Ocala Limestone formation of the Eocene period which extends to 1,000 feet or more below surface.USDA Soil Survey, the general project area lies within the areas of Brooksville Ridge and portions of Western Valley. These geomorphologic features are described as follows:

The Brooksville Ridge occupies most of the east portion of Pasco County. It extends from about U.S. Highway 41 to U.S. Highway 301. The Brooksville Ridge can be divided into two parts. The rolling, deep, sandy ridges on the western and eastern edges are dominated by deep, sandy soils with numerous depressions and sinks. Elevations range from about 75 to 100 feet in western part and from about 50 to 100 feet in the eastern part. The central part of the Brooksville Ridge ranges in elevation from about 100 to 200 feet. These rolling areas consist of poorly drained to well drained, sandy to clayey soils.

The Western Valley occupies several counties including the northeast portion of Hillsborough County, eastern Pasco County, northwestern Polk County and Sumter County. The Western Valley includes the valley of the Withlacoochee River and the valley of the Hillsborough River. Elevations generally range from 50 to 100 feet.

Published information from the Florida Department of Environmental Protection shows the bridge over Hillsborough River as located within the geologic unit of Suwannee Limestone (Ts) and the bridge over Old Lakeland Highway as located within the geologic unit of Hawthorn Group, Undifferentiated (Th).

Suwannee Limestone consists of a white to cream, poorly to well indurated, fossiliferous, vuggy to moldic limestone. The dolomitized parts of the Suwannee Limestone are gray, tan, light brown to moderate brown, moderately to well indurated, finely to coarsely crystalline, dolostone with limited occurrences of fossiliferous beds. Silicified limestone is common in Suwannee Limestone. Fossils present in the Suwanee Limestone include mollusks, foraminifers, coals and echinoids.

The Hawthorn Group, Undifferentiated sediments are light olive gray and blue gray in unweathered sections to reddish brown in deeply weathered sections, poorly to moderately consolidated, clayey sands to silty clays and relatively pure clays. These sediments are part of the intermediate confining unit/aquifer system and provide an effective aquitard for the Florida Aquifer System, except where perforated by karst features.

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USDA/NRCS Soil Survey

Based on a review of the Pasco County Soil Survey published by the USDA/NRCS, the soils present below the Hillsborough River Crossing consist of Chobee soils, frequently flooded (Unit 39) and the soil present below the crossing over Old Lakeland Highway consists of Lake fine sand, 0 to 5 percent slopes (Unit 32). A reproduction of the **USDA Vicinity Map (Sheets 1 & 2)** is illustrated in **Appendix A** and the soil mapping units are summarized in **Appendix B**.

Chobee soils has a landform of depressions on flood plains on marine terraces. The parent material is loamy alluvium. The soil profile generally consists of fine sandy loam (SM, SP-SM) to a depth of 11 inches followed by sandy clay loam (SC) to 56 inches and loamy sand, fine sand, sandy clay loam (SC, SC-SM, SM, SP-SM) to 80 inches. The natural drainage class is very poorly drained and water movement in the most restrictive layer is moderately low to low throughout. The seasonal high groundwater table is reported to range from 0 to ½ feet below natural grade.

Lake fine sand has a landform of ridges on marine terraces, on marine terraces. Lake has a parent material of eolian deposits or sandy marine deposits. The soil profile consists of fine sand (SP-SM) to a depth of 80 inches. The natural drainage class of excessively drained and water movement in the most restrictive layer is high to very high. The seasonal high groundwater table is greater than 6 feet below natural grade.

USGS Quadrangle Map

Based on a review of the Florida Quadrangle Map for Branchborough, Florida, and As-Built Roadway plans from 1993, it appears that the natural ground surface elevation around the banks of US 98 over Hillsborough River Crossing ranges from +75 to +80 feet North American Vertical Datum of 1988 (NAVD88) as illustrated on the **USGS Vicinity Map (Sheet 1)** in **Appendix A**. Based on a review of the Florida Quadrangle Map for Dade City, Florida, it appears that the natural ground surface elevation around the US 98 over Old Lakeland Highway Crossing ranges from +100 to +105 feet NAVD88 as illustrated on the **USGS Vicinity Map (Sheet 2)** in **Appendix A**. The existing ground surface elevations have been slightly altered due to road grading and embankment; however, based on survey information for the project, the current ground elevations are generally near or within the range provided on the Quadrangle Maps.

Existing Geotechnical Information

The geotechnical information from previous explorations consisting of Report of Core Borings sheets for bridge structures 140024 and 140025 has been provided by the Department and included in **Appendix D**.

Potentiometric Surface Maps

Based on a review of the "Potentiometric Surface of the Upper Floridan Aquifer" (published in September 2015) produced by Southwest Florida Water Management District, the potentiometric surface elevation of the upper Floridan Aquifer at the US 98 bridge over Hillsborough River is +80 to +90 feet, NGVD29 and at the US 98 bridge over Old Lakeland Highway, the potentiometric surface elevation is +70 to +80 feet, NGVD29. Artesian conditions were not encountered at the time of our field activities.

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SUBSURFACE EXPLORATION

Bridge Borings

The subsurface conditions at the US 98 over Hillsborough River Crossing and US 98 over Old Lakeland Highway Crossing were explored utilizing Standard Penetration Test (SPT) borings advanced to approximately 65 to 155 feet below existing grade. The borings performed were located in the field by representatives of Test Lab using handheld Global Positioning System (GPS) devices and measuring distances from existing site features. The boring locations are illustrated on the **Report of Core Borings (Sheets 3 – 5)** in **Appendix A**.

The SPT borings were performed with the use of a drill rig using Bentonite Mud drilling procedures. The soil sampling was performed in general accordance with American Society for Testing and Materials (ASTM) test designation D-1586 titled "Penetration Test and Split-Barrel Sampling of Soils". The upper 6 feet of the borings were hand augered to verify utility clearance. SPT N-values were then taken continuously to a depth of 10 feet and at intervals of 2.5 feet thereafter. Representative portions of these soil samples were sealed in glass jars, labeled and transferred to our Tampa laboratory for classification and analysis.

LABORATORY TESTING

Representative soil samples collected from the borings performed within the project corridor were classified and stratified in general accordance with the Unified Soil Classification System (USCS). The classification was based on visual observations using the results of laboratory testing as confirmation. These tests included grain-size analyses, Atterberg limits, natural moisture content and environmental corrosion series.

Test Designation

The following list summarizes the laboratory tests performed and respective test methods utilized.

i. Grain-Size Analysis – The grain-size analyses were conducted in general accordance with American Society for Testing and Materials (ASTM) test designation D-422.

ii. Atterberg Limits - The liquid limit and the plastic limit tests ("Atterberg Limits") were conducted in general accordance with ASTM test designation D-4318.

iii. Natural Moisture Content - The moisture content tests were conducted in general accordance with ASTM test designation D-2216.

iv. Environmental Corrosion Series – The environmental corrosion tests were conducted in general accordance with the FDOT test designations FM 5-550, FM 5-551, FM 5-552 and FM 5-553.

The laboratory test results are presented on the **Report of Core Borings (Sheets 3 – 5)** in **Appendix A**. A detailed summary of the Environmental Corrosion Series test results is presented in **Appendix C**.

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RESULTS OF SUBSURFACE EXPLORATION

General Soil Conditions

The subsurface conditions encountered are shown on the **Report of Core Borings** (**Sheets 3 – 5)** in **Appendix A.** The boring results are presented in the form of soil profiles, along with the profile legend and other pertinent information such as measured groundwater levels and laboratory test results. The soil stratification is based on a visual examination of the recovered soil samples, the laboratory testing, and interpretation of field boring logs by a geotechnical engineer. The soil types shown represent observations made at the boring locations and may not reflect variations among the borings and beyond the depths explored. The stratification lines represent the approximate boundaries between soil types of significantly different engineering properties. The actual transition may be gradual.

The following table presents a generalized subsurface soil profile as encountered in the SPT borings performed in the vicinity of the existing bridge structures.

Typical Soil Description	USCS Classification
Very Dark Brown to Pale Brown to Gray to Light Gray SAND to SAND with SILT	SP/SP-SM
Pale Brown to Brown to Gray to Dark Gray Silty SAND to Silty Clayey SAND to Clayey SAND	SM/SC-SM/SC
Weathered Limestone	*

*The USCS does not include a classification for limestone.

Groundwater

The groundwater was encountered at depths of 2½ and 7 feet below existing ground surface at the Hillsborough River Crossing. The groundwater level was not encountered at the Old Lakeland Highway Crossing and is noted as GNE on the **Report of Core Borings (Sheets 3 – 5)**. The groundwater level is presented on the **Report of Core Borings (Sheets 3 – 5)** in **Appendix A.**

Groundwater conditions will vary with environmental variations and seasonal conditions, such as the frequency and magnitude of rainfall patterns, as well as man-made influences (i.e. existing water management canals, swales, drainage ditch, underdrains and areas of covered soils, such as paved parking lots and sidewalks).

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LIMITATIONS

Our professional services have been performed in accordance with generally accepted geotechnical engineering principles and practices at the time of this report. This company is not responsible for the conclusions, opinions or recommendations made by others based on these data.

The scope of the exploration was intended to evaluate soil conditions within the influence of the proposed improvements. This report presents the geotechnical conditions based on the data obtained from the soil borings performed at the locations indicated in this report and does not reflect any variations which may occur among these borings. If any variations become evident during the course of design and/or construction, a re-evaluation of the conditions contained in this report is the responsibility of the design team.

The data presented in this report is for information purposes only. Project specific geotechnical evaluations should be completed by the design team for design and construction of this project. It should be noted that the design team will be responsible for interpretation of the data presented in this report.

The scope of services, included herein, did not include any environmental assessment for the presence or absence of hazardous or toxic materials in the soil, surface water, groundwater, air, on the site, below and around the site. Any statements in this report or on the boring logs regarding odors, colors, unusual or suspicious items and conditions are strictly for the information of our client.

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APPENDIX A

USDA & USGS Vicinity Map – US 98 over Hillsborough River (Sheet 1)

USDA & USGS Vicinity Map – US 98 over Old Lakeland Highway (Sheet 2)

Report of Core Borings (Sheets 3 - 5)

Draft

APPROXIMATE BRIDGE LOCATION

REFERENCE: USDA/NRCS SOIL SURVEY OF PASCO COUNTY, FLORIDA

REFERENCE: "BRANCHBOROUGH, FLORIDA" USGS QUADRANGLE MAP

0 100 400
Feet

US 98 OVER HILLSBOROUGH RIVER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

IGOR (IGON) KRATSER, P.E.
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TEST LAB, INC.
4112 WEST OSBORNE AVENUE
TAMPA, FL 33614

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

USDA & USGS VICINITY MAPS (1)

SHEET NO. 1

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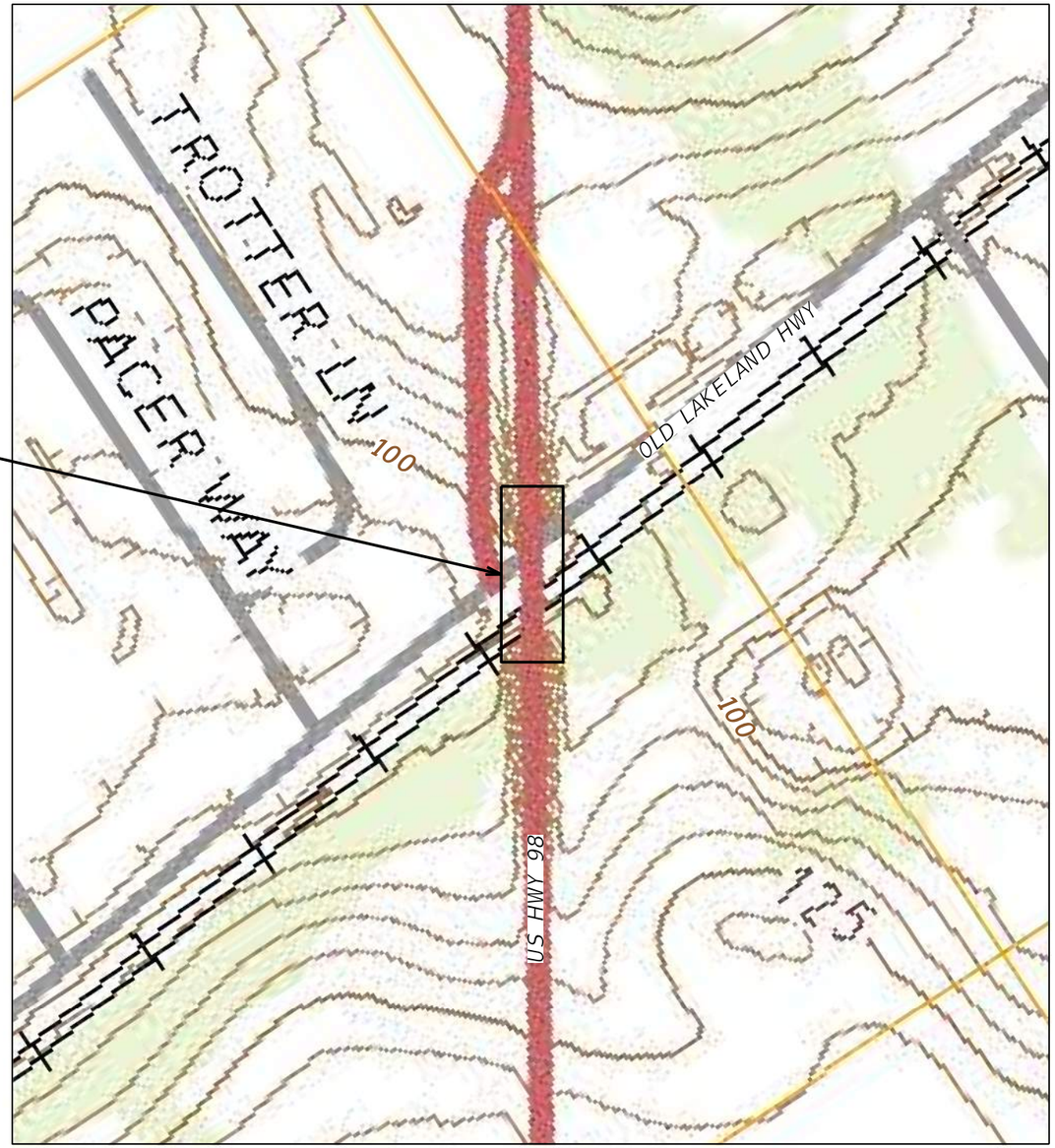
APPROXIMATE BRIDGE LOCATION



REFERENCE: USDA/NRCS SOIL SURVEY OF PASCO COUNTY, FLORIDA

REFERENCE: "DADE CITY, FLORIDA" USGS QUADRANGLE MAP

0 100 400
Feet

US 98 OVER OLD LAKELAND HIGHWAY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

IGOR (IGON) KRATSER, P.E.
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TEST LAB, INC.
4112 WEST OSBORNE AVENUE
TAMPA, FL 33614

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

USDA & USGS VICINITY MAPS (2)

SHEET NO. 2

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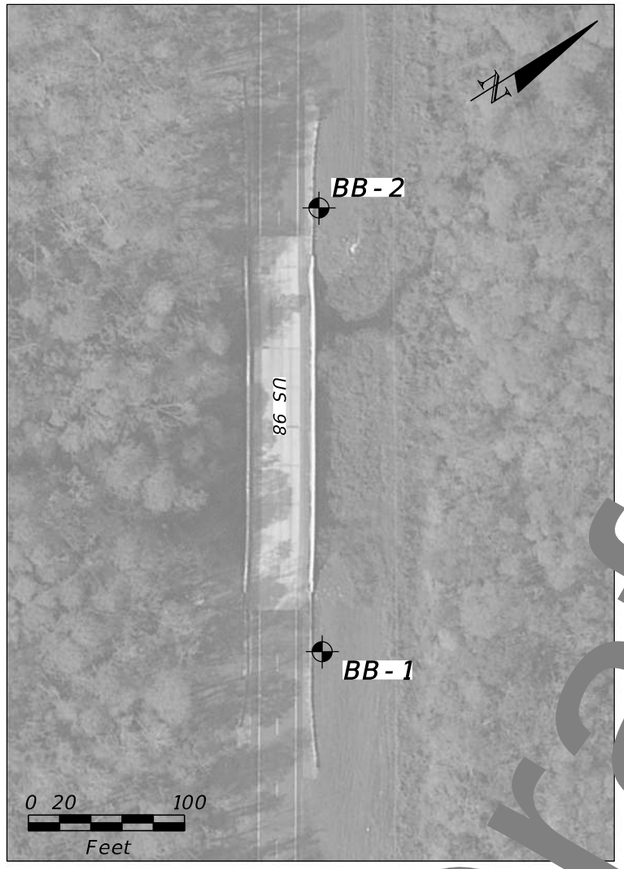
BORING LOCATION PLAN



ENVIRONMENTAL CLASSIFICATION:

SUBSTRUCTURE	CONCRETE: MODERATELY AGGRESSIVE
SUBSTRUCTURE	STEEL: MODERATELY AGGRESSIVE
SUPERSTRUCTURE	SLIGHTLY AGGRESSIVE

WATER TEST RESULTS:

RESISTIVITY	7,100 OHM-CM
CHLORIDES	20 PPM
SULFATES	≤ 2 PPM
pH	6.8

SOIL TEST RESULTS:

RESISTIVITY	1,600 OHM-CM
CHLORIDES	44 PPM
SULFATES	48 PPM
pH	6.3

AUTOMATIC HAMMER

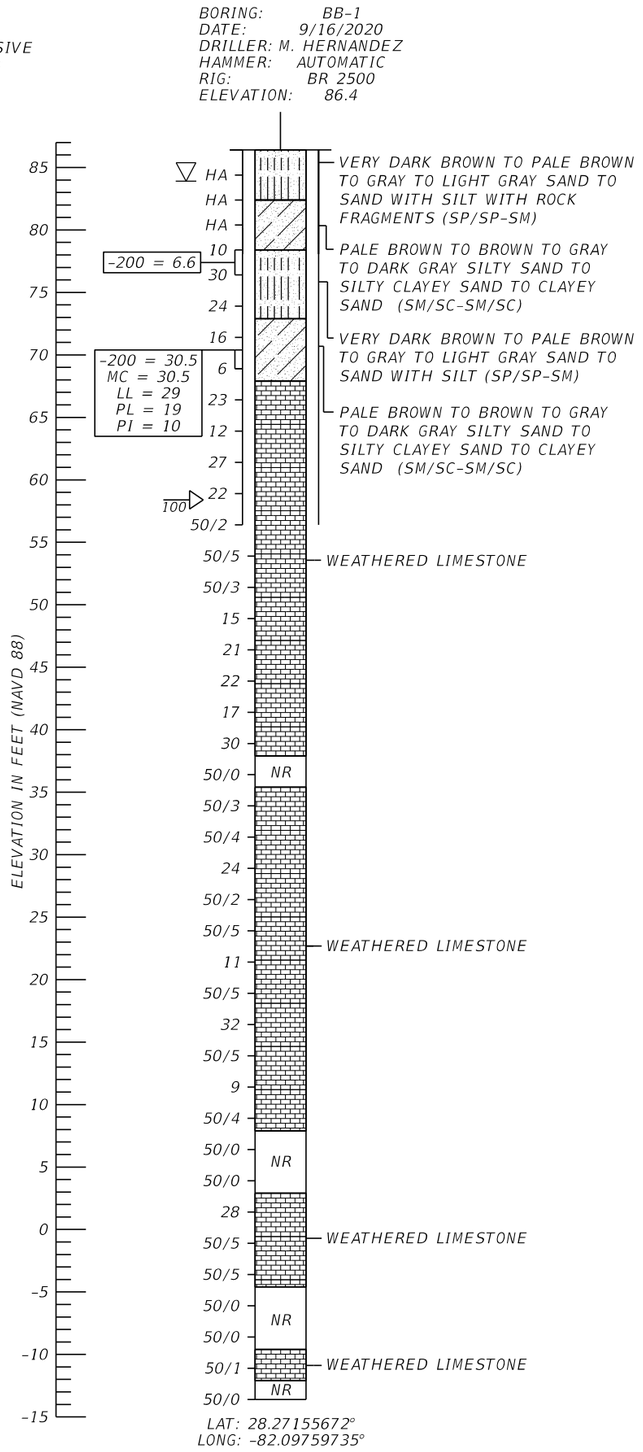
GRANULAR MATERIALS-RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 3
LOOSE	3 to 8
MEDIUM DENSE	8 to 24
DENSE	24 to 40
VERY DENSE	GREATER THAN 40
SILT AND CLAY CONSISTENCY	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 1
FIRM	1 to 3
STIFF	3 to 6
VERY STIFF	6 to 12
HARD	12 to 24
	GREATER THAN 24

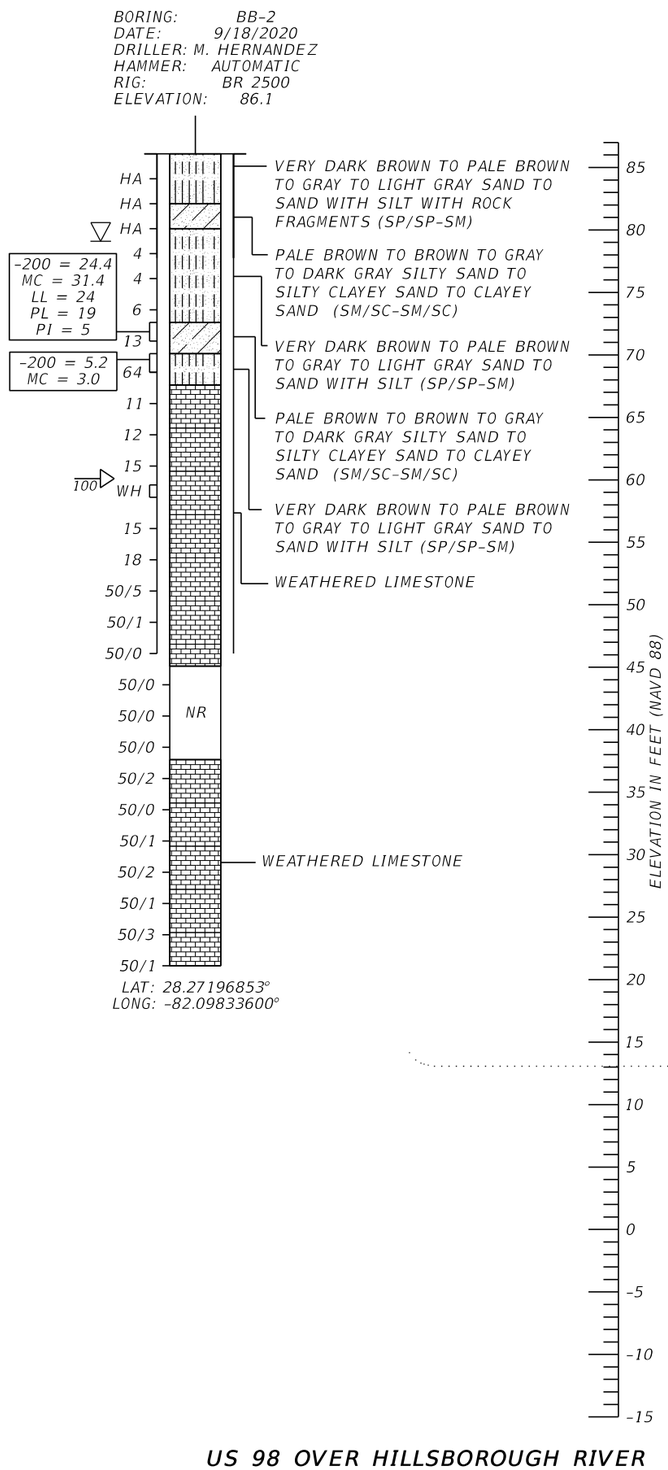
NOTES

1. BORING ELEVATION AND GPS COORDINATES WERE PROVIDED BY SURVEYORS.
2. BASED ON REVIEW OF THE POTENTIOMETRIC SURFACE MAPS, THE POTENTIOMETRIC ELEVATION OF THE UPPER FLORIDAN AQUIFER IS REPORTED AT APPROXIMATELY +80 TO +90 NGVD 29.

LEGEND

- VERY DARK BROWN TO PALE BROWN TO GRAY TO LIGHT GRAY SAND TO SAND WITH SILT (SP/SP-SM)
- PALE BROWN TO BROWN TO GRAY TO DARK GRAY SILTY SAND TO SILTY CLAYEY SAND TO CLAYEY SAND (SM/SC-SM/SC)
- WEATHERED LIMESTONE
- SP — UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2488) SYMBOL AS DETERMINED BY VISUAL REVIEW AND/OR LABORATORY TESTING
- NR — NO RECOVERY OF SAMPLE
- WR — FELL UNDER WEIGHT OF ROD WITH DRILL BIT
- WH — FELL UNDER WEIGHT OF HAMMER
- ELEV. — GROUND SURFACE ELEVATION (NAVD 88) AT TEST LOCATION
- NAVD 88 — NORTH AMERICAN VERTICAL DATUM OF 1988
- HA — GROUNDWATER TABLE NOT APPARENT DUE TO USE OF DRILLING FLUID
- ▽ — GROUNDWATER LEVEL AT TIME OF DRILLING
- -200 — FINES PASSING THE #200 STANDARD SIEVE (%)
- MC — MOISTURE CONTENT (%)
- LL — LIQUID LIMIT (%)
- PL — PLASTIC LIMIT (%)
- PI — PLASTICITY INDEX (%)
- NP — NON-PLASTIC
- || — 3" STEEL CASING (USED TO STABILIZE BORE HOLE FOR SAMPLING
- 100 ▷ — LOSS OF CIRCULATION OF DRILLING FLUID (%)
- ⊕ — APPROXIMATE STANDARD PENETRATION TEST BORING LOCATION





US 98 OVER HILLSBOROUGH RIVER

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

IGOR (IGON) KRATSER, P.E.
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TEST LAB, INC.
4112 WEST OSBORNE AVENUE
TAMPA, FL 33614

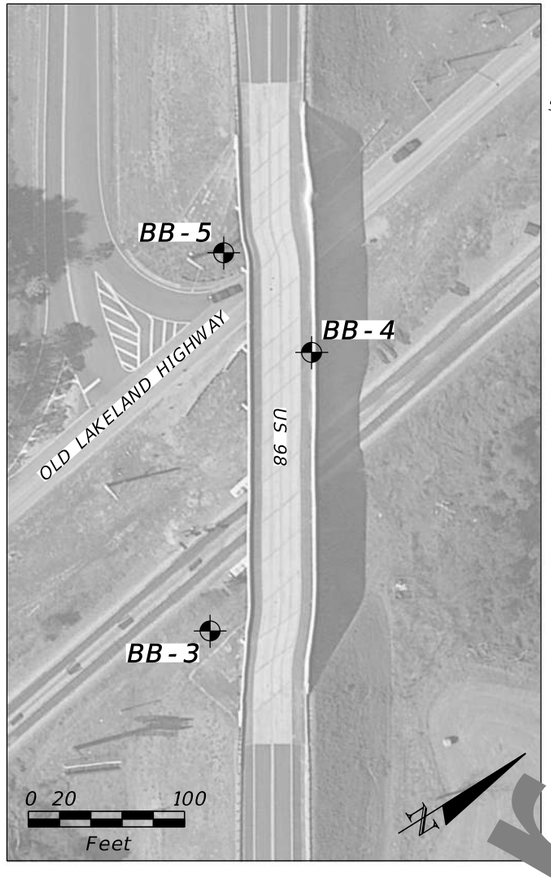
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

REPORT OF CORE BORINGS (1)

SHEET NO. 3

BORING LOCATION PLAN



ENVIRONMENTAL CLASSIFICATION:

SUBSTRUCTURE	CONCRETE: SLIGHTLY AGGRESSIVE
SUBSTRUCTURE	STEEL: SLIGHTLY AGGRESSIVE
SUPERSTRUCTURE	SLIGHTLY AGGRESSIVE

SOIL COMPOSITE TEST RESULTS:

RESISTIVITY	7,600 OHM-CM
CHLORIDES	51 PPM
SULFATES	≤ 2 PPM
pH	7.8

AUTOMATIC HAMMER

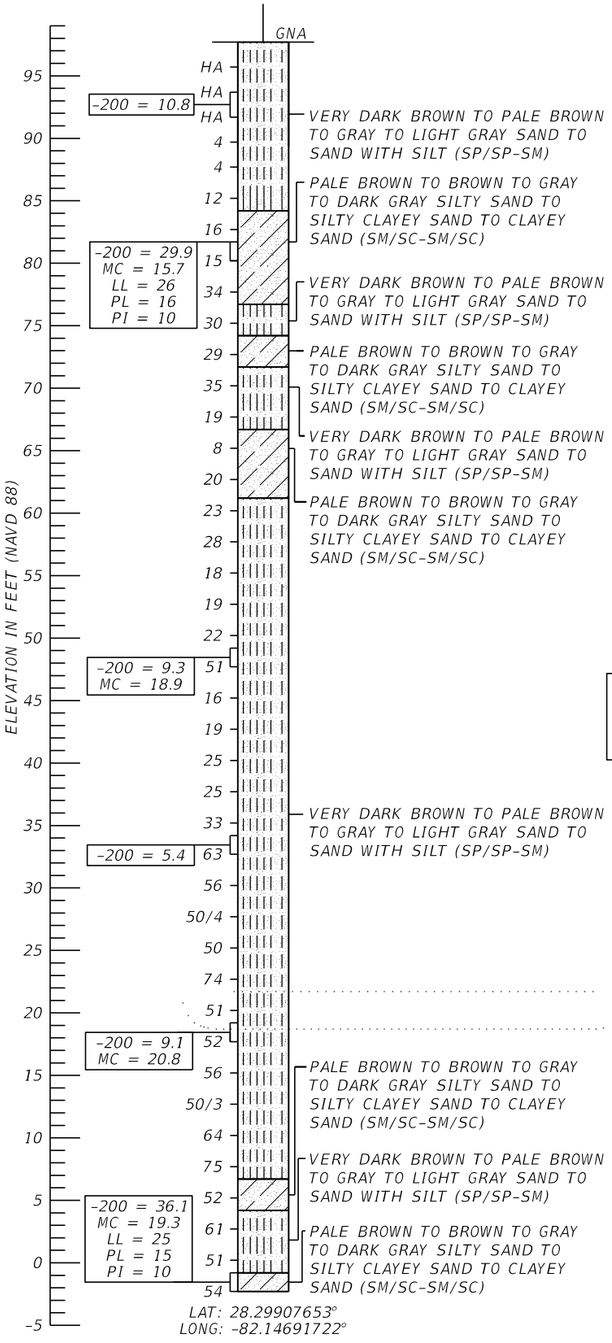
GRANULAR MATERIALS-RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 3
LOOSE	3 to 8
MEDIUM DENSE	8 to 24
DENSE	24 to 40
VERY DENSE	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	**SPT N-VALUE (BLOWS/FT.)**
VERY SOFT	LESS THAN 1
SOFT	1 to 3
FIRM	3 to 6
STIFF	6 to 12
VERY STIFF	12 to 24
HARD	GREATER THAN 24

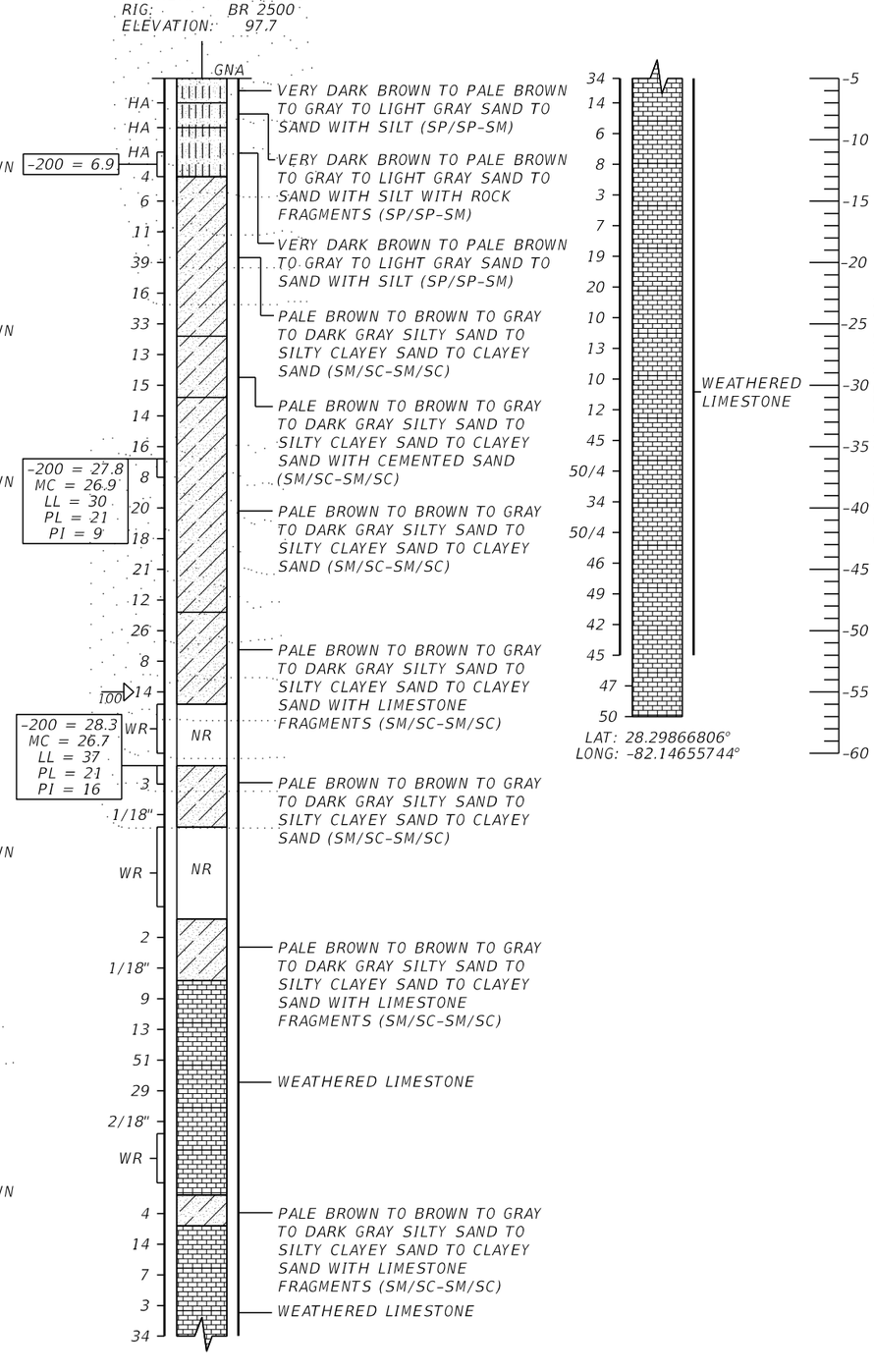
NOTES

1. BORING LOCATION AND GPS COORDINATES PROVIDED BY SURVEYORS.
2. BASED ON REVIEW OF THE POTENTIOMETRIC SURFACE MAPS, THE POTENTIOMETRIC ELEVATION OF THE UPPER FLORIDAN AQUIFER IS REPORTED AT APPROXIMATELY +70 TO +80 NGVD 29.

LEGEND

- VERY DARK BROWN TO PALE BROWN TO GRAY TO LIGHT GRAY SAND TO SAND WITH SILT (SP/SP-SM)
- PALE BROWN TO BROWN TO GRAY TO DARK GRAY SILTY SAND TO SILTY CLAYEY SAND TO CLAYEY SAND (SM/SC-SM/SC)
- WEATHERED LIMESTONE
- SP — UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2488) SYMBOL AS DETERMINED BY VISUAL REVIEW AND/OR LABORATORY TESTING
- NR — NO RECOVERY OF SAMPLE
- WR — FELL UNDER WEIGHT OF ROD WITH DRILL BIT
- WH — FELL UNDER WEIGHT OF HAMMER
- ELEV. 9.8 — GROUND SURFACE ELEVATION (NAVD 88) AT TEST LOCATION
- NAVD 88 — NORTH AMERICAN VERTICAL DATUM OF 1988
- GNA — GROUND WATER TABLE NOT APPARENT DUE TO USE OF DRILLING FLUID
- GROUNDWATER LEVEL AT TIME OF DRILLING
- -200 — FINES PASSING THE #200 STANDARD SIEVE (%)
- MC — MOISTURE CONTENT (%)
- LL — LIQUID LIMIT (%)
- PL — PLASTIC LIMIT (%)
- PI — PLASTICITY INDEX (%)
- NP — NON-PLASTIC
- 3" STEEL CASING (USED TO STABILIZE BORE HOLE FOR SAMPLING)
- 100 — LOSS OF CIRCULATION OF DRILLING FLUID (%)
- APPROXIMATE STANDARD PENETRATION TEST BORING LOCATION





US 98 OVER OLD LAKELAND HIGHWAY

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REVISIONS			
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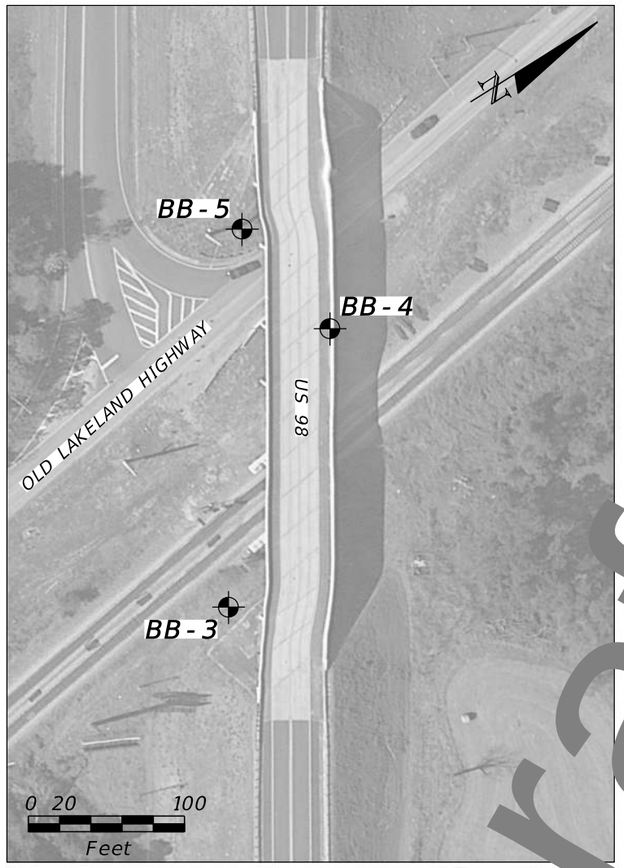
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

REPORT OF CORE BORINGS (2)

SHEET NO. 4

BORING LOCATION PLAN



ENVIRONMENTAL CLASSIFICATION:

SUBSTRUCTURE	CONCRETE: SLIGHTLY AGGRESSIVE
SUBSTRUCTURE	STEEL: SLIGHTLY AGGRESSIVE
SUPERSTRUCTURE	SLIGHTLY AGGRESSIVE

SOIL COMPOSITE TEST RESULTS:

RESISTIVITY	7,600 OHM-CM
CHLORIDES	51 PPM
SULFATES	≤ 2 PPM
pH	7.8

AUTOMATIC HAMMER

GRANULAR MATERIALS-RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 3
LOOSE	3 to 8
MEDIUM DENSE	8 to 24
DENSE	24 to 40
VERY DENSE	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	**SPT N-VALUE (BLOWS/FT.)**
VERY SOFT	LESS THAN 1
SOFT	1 to 3
FIRM	3 to 6
STIFF	6 to 12
VERY STIFF	12 to 24
HARD	GREATER THAN 24

NOTES:

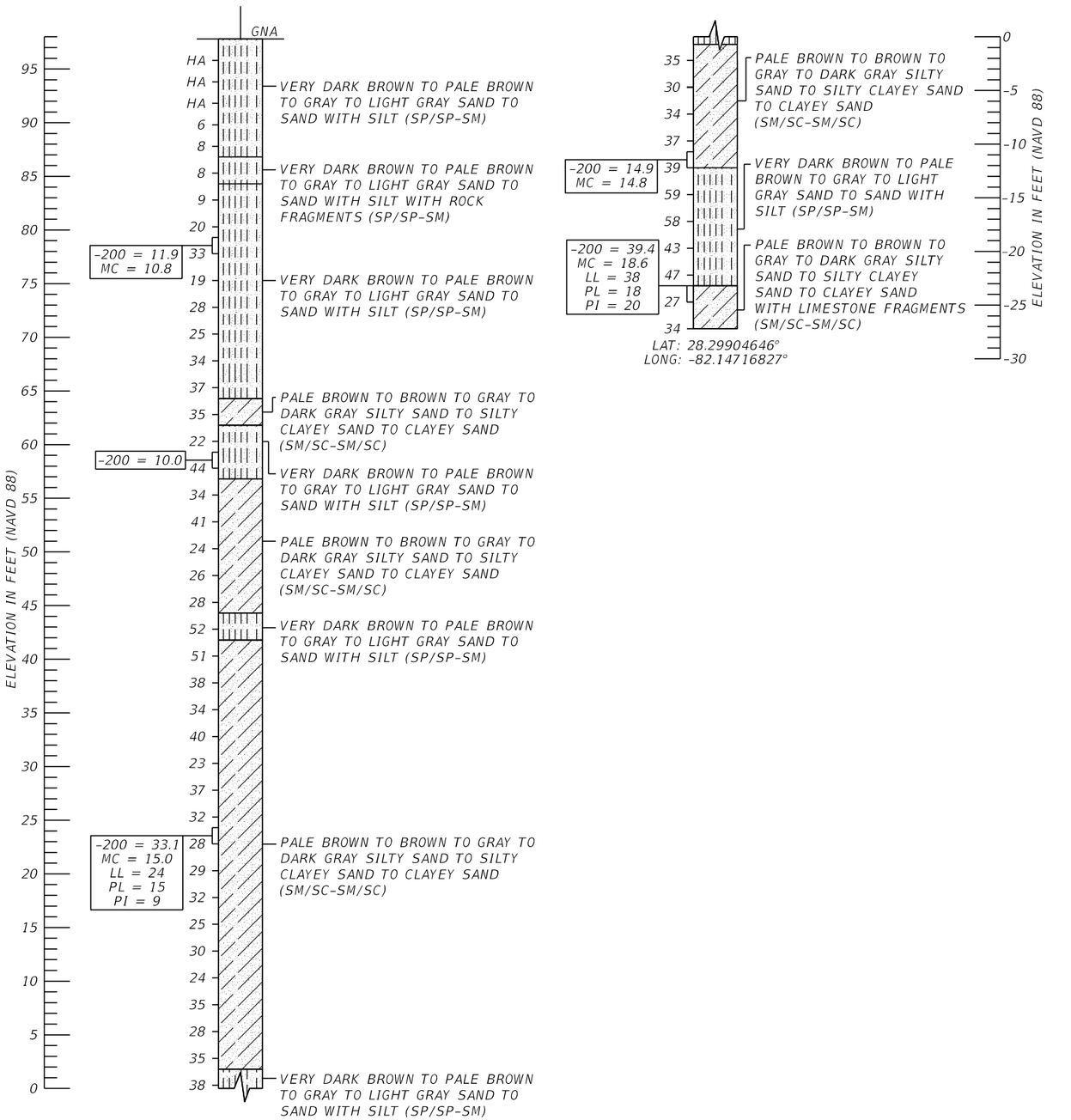
1. BORING ELEVATION AND GPS COORDINATES WERE PROVIDED BY SURVEYORS.

BASED ON REVIEW OF THE POTENTIOMETRIC SURFACE MAPS, THE POTENTIOMETRIC ELEVATION OF THE UPPER FLORIDAN AQUIFER IS REPORTED AT APPROXIMATELY +70 TO +80 NGVD 29.

LEGEND

	VERY DARK BROWN TO PALE BROWN TO GRAY TO LIGHT GRAY SAND TO SAND WITH SILT (SP/SP-SM)
	PALE BROWN TO BROWN TO GRAY TO DARK GRAY SILTY SAND TO SILTY CLAYEY SAND TO CLAYEY SAND (SM/SC-SM/SC)
	WEATHERED LIMESTONE
SP	UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2488) SYMBOL AS DETERMINED BY VISUAL REVIEW AND/OR LABORATORY TESTING
NR	NO RECOVERY OF SAMPLE
WR	FELL UNDER WEIGHT OF ROD WITH DRILL BIT
WH	FELL UNDER WEIGHT OF HAMMER
ELEV.	GROUND SURFACE ELEVATION (NAVD 88) AT TEST LOCATION
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
GNA	GROUNDWATER TABLE NOT APPARENT DUE TO USE OF DRILLING FLUID
▽	GROUNDWATER LEVEL AT TIME OF DRILLING
-200	FINES PASSING THE #200 STANDARD SIEVE (%)
MC	MOISTURE CONTENT (%)
LL	LIQUID LIMIT (%)
PL	PLASTIC LIMIT (%)
PI	PLASTICITY INDEX (%)
NP	NON-PLASTIC
||	3" STEEL CASING (USED TO STABILIZE BORE HOLE FOR SAMPLING
100 ▷	LOSS OF CIRCULATION OF DRILLING FLUID (%)
	APPROXIMATE STANDARD PENETRATION TEST BORING LOCATION

BORING: BB-5
DATE: 8/27/2020
DRILLER: M. HERNANDEZ
HAMMER: AUTOMATIC
RIG: BR 2500
ELEVATION: 97.8



LAT: 28.29904646°
LONG: -82.14716827°

Draft

US 98 OVER OLD LAKELAND HIGHWAY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

IGOR (IGON) KRATSER, P.E.
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TEST LAB, INC.
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TAMPA, FL 33614

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 98	PASCO	443368-3

REPORT OF CORE BORINGS (3)

SHEET NO. 5

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APPENDIX B

Summary of USDA Soil Survey

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SUMMARY OF USDA SOIL SURVEY
US 98 FROM POLK COUNTY LINE TO US 301
PASCO COUNTY, FLORIDA
FPN:443368-3
TEST LAB PROJECT NO: 20-5131

USDA Soil Name	Depth (in)	Soil Classification		Permeability (in/hr)	pH	Seasonal High Water Table	
		USCS	AASHTO			Depth (feet)	Months
(32) Lake fine sand, 0 to 5 percent slopes							
Lake	0-9	SP-SM	A-2-4, A-3	6.00 - 50.03	4.5-5.5	>6.0	-
	9-80						
(39) Chobee soils, frequently flooded							
Chobee	0-11	SM, SP-SM	A-2-4	1.98 - 5.95	6.1-7.3	0.0-0.5	Jun-Feb
	11-56	SC	A-2-6, A-2-7, A-6, A-7	0.00 - 0.20	7.4-9.0		
	56-80	SC, SC-SM, SM, SP-SM	A-2-4, A-2-6, A-6, A-7	0.20 - 5.95			

Draft

APPENDIX C

Summary of Corrosion Test Results

Draft

SUMMARY OF CORROSION TEST RESULTS
US 98 FROM POLK CL TO US 301
PASCO COUNTY, FLORIDA
FPN NO: 443368-3
TEST LAB PROJECT NO: 20-5131

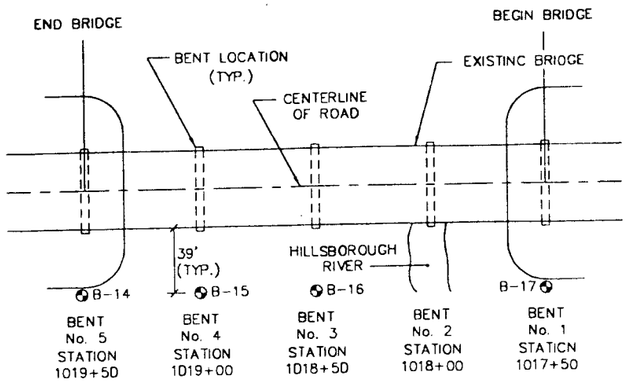
Boring Number / Location	Sample Type	Depth (ft)	pH (FM 5-550)	Resistivity (ohm-cm) (FM 5-551)	Chlorides (ppm) (FM 5-552)	Sulfates (ppm) (FM 5-553)	Environmental Classification	
							Steel	Concrete
(Hills. River)	Water	N/A	6.8	7,100	20	≤ 2	Moderately Aggressive	Slightly Aggressive
BB-1 & BB-2 (Hills. River)	Soil Composite	4.0-6.0	6.3	1,600	44	48	Moderately Aggressive	Moderately Aggressive
BB-3, BB-4 & B-5 (Lakeland Hwy.)	Soil Composite	0.0-8.0	7.8	7,600	51	≤ 2	Slightly Aggressive	Slightly Aggressive

APPENDIX D

Report of Core Borings - Provided by the Department

Draft

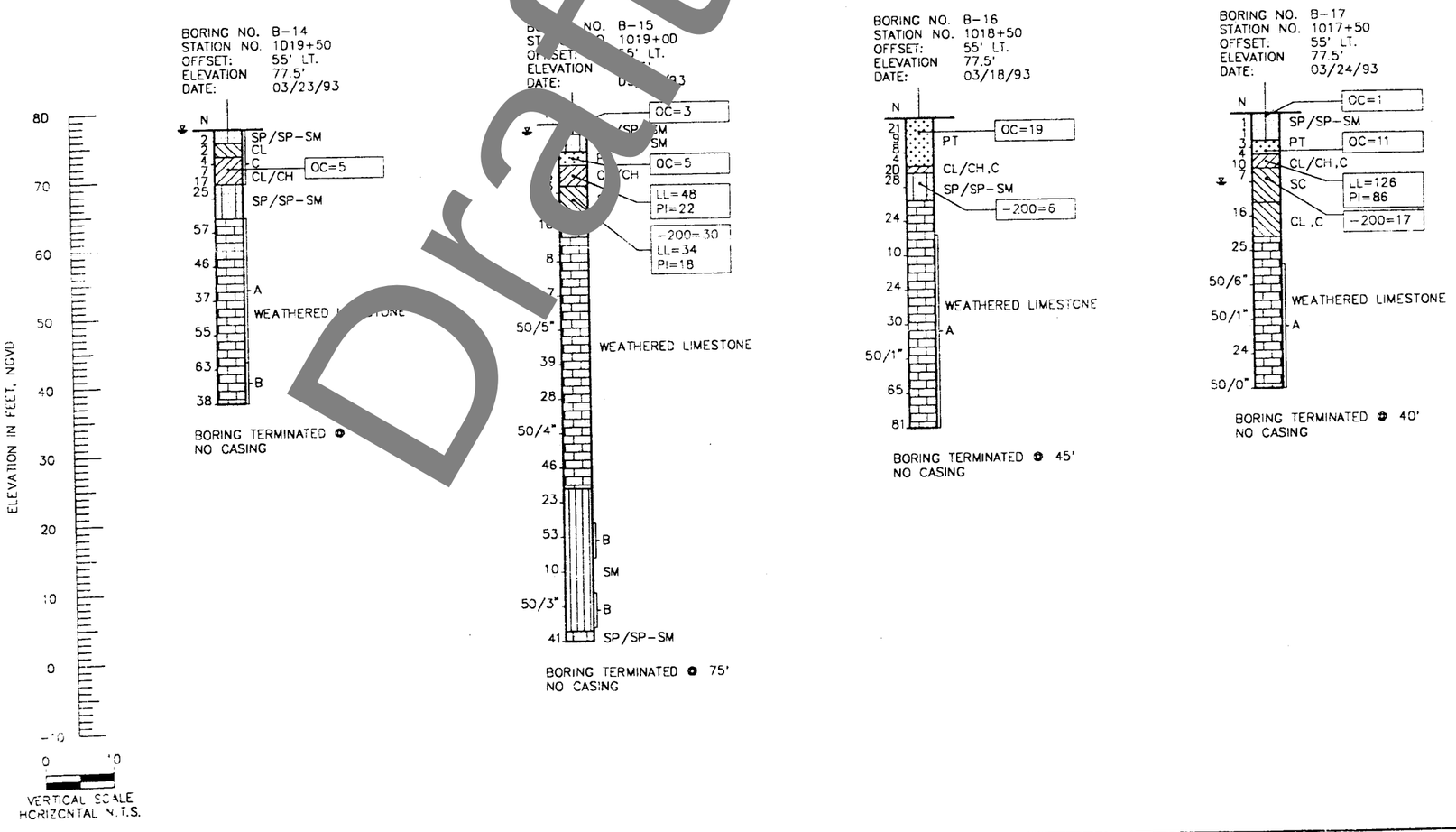
FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
				B-3



BRIDGE OVER HILLSBOROUGH RIVER

SCALE: N.T.S.

LOCATION	
TOWNSHIP:	25 S
RANGE:	22 E
SECTION:	34



LEGEND

- (SP/SP-SM), SLIGHTLY SILTY FINE SAND
- (SP/SP-SM), FINE SAND TO SLIGHTLY SILTY FINE SAND
- (SP), SLIGHTLY CLAYEY FINE SAND
- (CL/CH), SLIGHTLY SANDY CLAY TO CLAY
- (SC), CLAYEY FINE SAND
- (CL), SANDY CLAY
- (SM), CALCAREOUS SILT
- LIMESTONE AND WEATHERED LIMESTONE
- (PT), ORGANIC FINE SAND
- (SM), SANDY SILT TO SLIGHTLY SANDY SILT
- A WITH ROCK FRAGMENTS
- B WITH CEMENTATION
- C WITH TRACE ORGANICS

NOTES:

- WATER TABLE
- N NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12" PENETRATION. (UNLESS OTHERWISE NOTED.)
- APPROXIMATE SPT BORING LOCATION,

TYPE RIG = CME 550

ENVIRONMENTAL CLASSIFICATION

SUBSTRUCTURE: MODERATELY AGGRESSIVE, INLAND
SUPERSTRUCTURE: SLIGHTLY AGGRESSIVE, INLAND

WATER

RESISTIVITY: 2,882-4,386 OHMS-CM
CHLORIDES: 16.9-19.8 PPM
SULFATES: 6.8-7.1 PPM
pH: 6.72-6.86

GRANULAR MATERIALS- RELATIVE DENSITY	SPT (BLOWS/FT.)
VERY LOOSE	LESS THAN 4
LOOSE	4-10
MEDIUM OR COMPACT	10-30
DENSE	30-50
VERY DENSE	GREATER THAN 50

SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/FT.)
VERY SOFT	LESS THAN 2
SOFT	2-4
FIRM	4-8
STIFF	8-15
VERY STIFF	15-30
HARD	GREATER THAN 30

Draft

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAME	DATE
DESIGNED BY		
DRAWN BY	RAJ	10/93
CHECKED BY	SS	10/93

SUPERVISED BY: KERMIT SCHMIDT, P.E.

Professional Service Industries, Inc. Jammal & Associates Division

ROAD NO.	COUNTY	PROJECT NO.
S.R. 35	PASCO	14070-1513

FLORIDA DEPARTMENT OF TRANSPORTATION

APPROVED BY:

DATE:

SHEET TITLE: REPORT OF CORE BORINGS

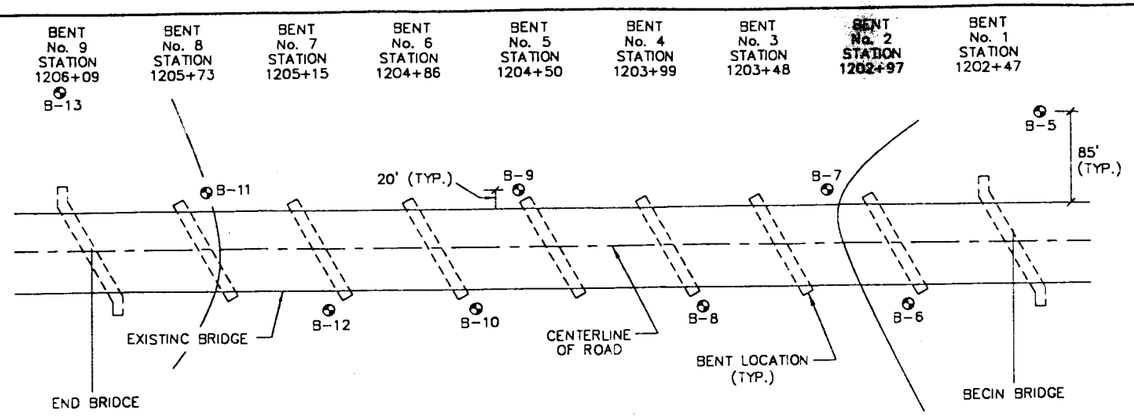
DRAWING NO.

PROJECT NAME: U.S. 98 (S.R. 35)

INDEX NO.

PSI J & A PROJECT No. 775-35039
SHEET B-3

FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
				C-2A



BRIDGE OVER CSX RAILROAD

SCALE: N.T.S.

LOCATION	
TOWNSHIP:	25 S
RANGE:	22 E
SECTION:	19

BORING NO. B-5
STATION NO. 1202+49
OFFSET 105' RT.
ELEVATION 98.5'
DATE 04/02/93

N
AUGER
4
2
3
7
15
27
21
31
21
24
23
21
2
32
67
50/6"
SP/SP-SM
SP/SP-SM
SP
B
SC
CL
SC
WEATHERED LIMESTONE

BORING TERMINATED @ 75'
NO CASING

BORING NO. B-6
STATION NO. 1202+83
OFFSET [illegible] LT.
ELEVATION
DATE 04/[illegible]/93

N
2
3
5
SP
29
25
SP/SP-SM
31
43
25
28
10
17
12
WR
WH
WR
19
50
30
SC
SP
CL
CL/CH
SC
SM
WEATHERED LIMESTONE
-200=5
LL=64
PI=36
-200=14

BORING TERMINATED @ 85'
NO CASING

BORING NO. B-7
STATION NO. 1203+29
OFFSET 36' RT.
ELEVATION 98.5'
DATE 04/01/93

N
16
11
6
3
2
2
12
31
35
27
10
14
16
28
49
8
54
23
33
SP/SP-SM
-200=8
SP/SP-SM
SP
SP
SM
CL/CH
CL
A
SM
SP
WEATHERED LIMESTONE
CL/CH
-200=43
LL=72
PI=42

BORING TERMINATED @ 75'
NO CASING

BORINC NO. B-8
STATION NO. 1203+79
OFFSET 36' LT.
ELEVATION 98.5'
DATE 04/01/93

N
8
5
4
6
10
20
15
14
15
8
16
11
9
33
34
28
28
31
SP/SP-SM
SP/SP-SM
SP
SP/SP-SM
CL
CL/CH
SP/SP-SM
SP
CL/CH
SM
LL=35
PI=17

BORING TERMINATED @ 75'
NO CASING

BORING NO. B-9
STATION NO. 1204+65
OFFSET: 36' RT.
ELEVATION 98.5'
DATE: 04/6/93

N
AUGER
2
3
2
13
17
17
16
18
27
25
28
17
52
50/5"
SP/SP-SM
SP/SP-SM
SP
SP/SP-SM

BORING TERMINATED @ 65'
NO CASING

ELEVATION IN FEET, NGVD
100 90 80 70 60 50 40 30 20 10

0 10
VERTICAL SCALE
HORIZONTAL N.T.S.

LEGEND

- (SP/SP-SM), SLICHTLY SILTY FINE SAND
- (SP/SP-SM), FINE SAND TO SLIGHTLY SILTY FINE SAND
- (SP), SLIGHTLY CLAYEY FINE SAND
- (CL/CH), SLICHTLY SANDY CLAY TO CLAY
- (SC), CLAYEY FINE SAND
- (CL), SANDY CLAY
- (SM), CALCAREOUS SILT
- LIMESTONE AND WEATHERED LIMESTONE
- (PT), ORCANIC FINE SAND
- (SM), SANDY SILT TO SLIGHTLY SANDY SILT

A WITH ROCK FRAGMENTS
B WITH CEMENTATION
C WITH TRACE ORCANICS

NOTES:

WATER TABLE

N NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12" PENETRATION. (UNLESS OTHERWISE NOTED.)

APPROXIMATE SPT BORING LOCATION.

WR FELL UNDER WEIGHT OF ROD

WH FELL UNDER WEICHT OF ROD AND HAMMER

TYPE RIG = CME 550

ENVIRONMENTAL CLASSIFICATION

SUBSTRUCTURE: MODERATELY AGGRESSIVE, INLAND
SUPERSTRUCTURE: SLIGHTLY AGGRESSIVE, INLAND

WATER

RESISTIVITY: N/A
CHLORIDES: N/A
SULFATES: N/A
pH: N/A

GRANULAR MATERIALS– RELATIVE DENSITY	SPT (BLOWS/FT.)
VERY LOOSE	LESS THAN 4
LOOSE	4–10
MEDIUM OR COMPACT	10–30
DENSE	30–50
VERY DENSE	CREATER THAN 50

SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/FT.)
VERY SOFT	LESS THAN 2
SOFT	2–4
FIRM	4–8
STIFF	8–15
VERY STIFF	15–30
HARD	CREATER THAN 30

Draft

REVISIONS								
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAME	DATE		NAME	DATE
DESIGNED BY			DRAWN BY	RAJ	10/93
CHECKED BY			CHECKED BY	SS	10/93

SUPERVISED BY: KERMIT SCHMIOT, P.E.

Professional Service Industries, Inc. Jurnod & Associates Division

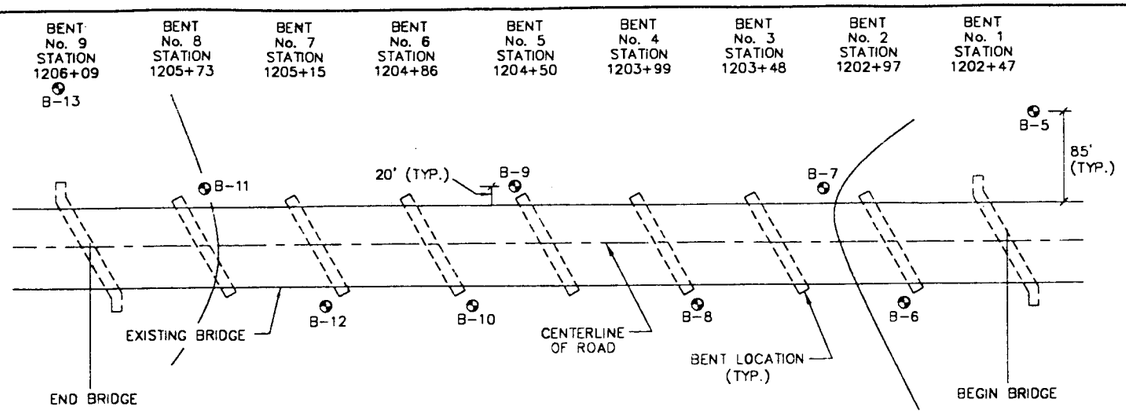
ROAD NO.	COUNTY	PROJECT NO.
S.R. 35	PASCO	14070-1513

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY:
DATE:

SHEET TITLE: REPORT OF CORE BORINGS
DRAWING NO.
PROJECT NAME: U.S. 98 (S.R. 35)
INDEX NO.

PSI J & A PROJECT No. 775-35039
SHEET C-2A

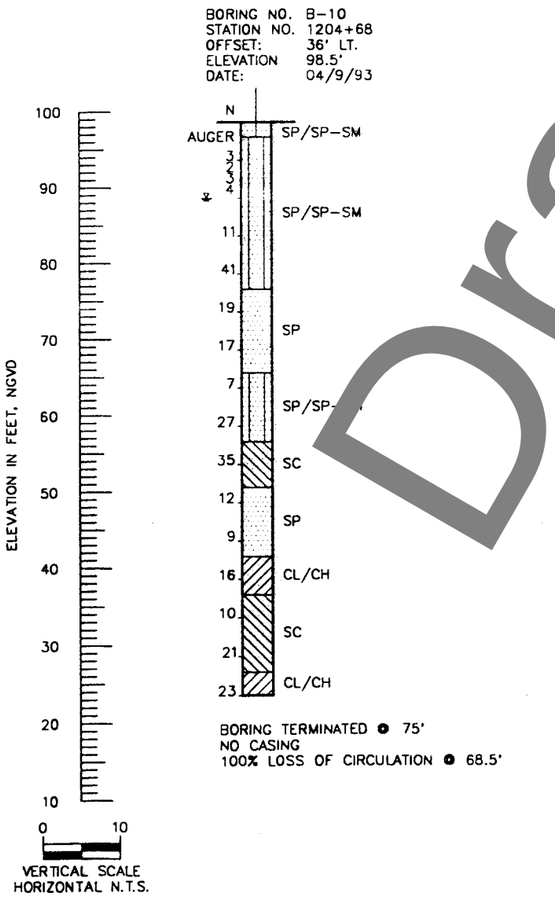
FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
				C-2B



BRIDGE OVER CSX RAILROAD

SCALE: N.T.S.

LOCATION	
TOWNSHIP:	25 S
RANGE:	22 E
SECTION:	19



LEGEND

- (SP/SP-SM), SLIGHTLY SILTY FINE SAND
- (SP/SP-SM), FINE SAND TO SLIGHTLY SILTY FINE SAND
- (SP), SLIGHTLY CLAYEY FINE SAND
- (CL/CH), SLIGHTLY SANDY CLAY TO CLAY
- (SC), CLAYEY FINE SAND
- (CL), SANDY CLAY
- (SM), CALCAREOUS SILT
- LIMESTONE AND WEATHERED LIMESTONE
- (PT), ORGANIC FINE SAND
- (SM), SANDY SILT TO SLIGHTLY SANDY SILT
- A WITH ROCK FRAGMENTS
- B WITH CEMENTATION
- C WITH TRACE ORGANICS

NOTES:

- ⊻ WATER TABLE
- N NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12" PENETRATION. (UNLESS OTHERWISE NOTED.)
- ⊙ APPROXIMATE SPT BORING LOCATION.

TYPE RIG = CME 550

ENVIRONMENTAL CLASSIFICATION

SUBSTRUCTURE: MODERATELY AGGRESSIVE, INLAND
SUPERSTRUCTURE: SLIGHTLY AGGRESSIVE, INLAND

WATER

RESISTIVITY: N/A
CHLORIDES: N/A
SULFATES: N/A
pH: N/A

GRANULAR MATERIALS– RELATIVE DENSITY	SPT (BLOWS/FT.)
VERY LOOSE	LESS THAN 4
LOOSE	4–10
MEDIUM OR COMPACT	10–30
DENSE	30–50
VERY DENSE	GREATER THAN 50

SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/FT.)
VERY SOFT	LESS THAN 2
SOFT	2–4
FIRM	4–8
STIFF	8–15
VERY STIFF	15–30
HARD	GREATER THAN 30

Draft

REVISIONS								
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAME	DATE		NAME	DATE
DESIGNED BY			DRAWN BY	RAJ	10/93
CHECKED BY			CHECKED BY	SS	10/93

SUPERVISED BY: KERMIT SCHMIDT, P.E.

PSI Professional Service Industries, Inc. Jammal & Associates Division

ROAD NO.	COUNTY	PROJECT NO.
S.R. 35	PASCO	14070-1513

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY:
DATE:

SHEET TITLE: REPORT OF CORE BORINGS
PROJECT NAME: U.S. 98 (S.R. 35)
DRAWING NO.
INDEX NO.

PSI*J & A PROJECT No. 775-35039
SHEET C-2B

APPENDIX 20
Cultural Resources

Draft

PRELIMINARY CULTURAL RESOURCE ASSESSMENT
PROBABILITY ANALYSIS
TECHNICAL MEMORANDUM

US 98 / State Road (SR) 35 / SR 700
From Polk County Line/County Road (CR) 54 to
US 301 (SR 39/SR 41)
Project Development & Environment (PD&E) Study
Pasco County, Florida

Work Program Item Segment No. 441568-2
ETDM Project No. 14374

Prepared for:

Florida Department of Transportation
District Seven

Draft

August 2021

PRELIMINARY CULTURAL RESOURCE ASSESSMENT
PROBABILITY ANALYSIS
TECHNICAL MEMORANDUM

US 98 / State Road (SR) 35 / SR 700
From Polk County Line/County Road (CR) 54 to
US 301 (SR 39/SR 41)
Project Development & Environment (PD&E) Study
Pasco County, Florida

Work Program Item Segment No. 443368-2
ETDM Project No. 14374

Draft

Prepared for:

Florida Department of Transportation
District 7
11201 North McKinley Drive
Tampa, Florida 33612-6456

Prepared by:

Archaeological Consultants, Inc.
5026 Blaikie Court, Suite A
Sarasota, Florida 34240

In association with:

Lochner
4350 W. Cypress Street, Suite 800
Tampa, Florida 33607

August 2021

1.0 INTRODUCTION

The purpose of this study was to determine, preliminarily, if any significant or potentially significant cultural resources, including archaeological sites and historic resources, will be impacted by the construction of a total 16 proposed Stormwater Management Facilities (SMF) sites and four (4) Floodplain Compensation (FPC) sites (hereinafter referred to as pond sites), all associated with improvements to US 98 from County Road (CR) 54 to US 301, in Pasco County (**Figure 1**). Known or potentially significant cultural resources are defined as those sites that are listed, determined eligible, or considered potentially eligible for listing in the National Register of Historic Places (NRHP). All work was conducted in compliance with the provisions of the *National Historic Preservation Act of 1966* (Public Law 89-665), as amended, and the implementing regulations 36 CFR 800, as well as with the provisions contained in the revised Chapter 267, *Florida Statutes* (*FS*).

The study methodology included a review of the Efficient Transportation Decision Making (ETDM) Report No. 14374, the Florida Master Site File (FMSF) records, NRHP listings, relevant cultural resource assessment survey (CRAS) reports, the U.S. Department of Agriculture's (USDA) *Soil Survey of Pasco County, Florida* (USDA 1982), as well as the United States Geological Survey (USGS) Dade City and Branchborough quadrangle maps (USGS 1960a, 1960b).

As a result of the preliminary study, there are [redacted] This, combined with the additional background research, resulted in most of the pond sites having low to moderate, moderate, or high archaeological potential.

There are seven (7) historic resources, 46 years of age or older (constructed in or before 1975), identified adjacent to the proposed pond sites and easements. Of these seven historic resources, six were identified, recorded, and evaluated during the Project Development and Environment (PD&E) Cultural Resource Assessment Survey (CRAS). These resources include an update to unrecorded segments of the previously recorded South Florida Railroad – Pemberton Ferry Branch/Richloam Railroad (8PA02802) and the Overland Highway (8PA03343), Culvert Cattle Pass No. 2 (8PA03349), Florida Department of Transportation (FDOT) Bridge No. 140025 (8PA03356), and two buildings (8PA03355 & 8PA03367) constructed in circa (ca.) 1950 and ca. 1960 respectively. One historic building, constructed in ca. 1968, was newly identified adjacent to FPC-300- North-01. No historic resources are located within any proposed pond sites. This information is summarized in **Table 3**.

In conclusion, no proposed pond site should be avoided due to cultural resource issues. Following the selection of preferred pond sites, systematic archaeological field survey is recommended; historical/architectural field survey is also recommended.

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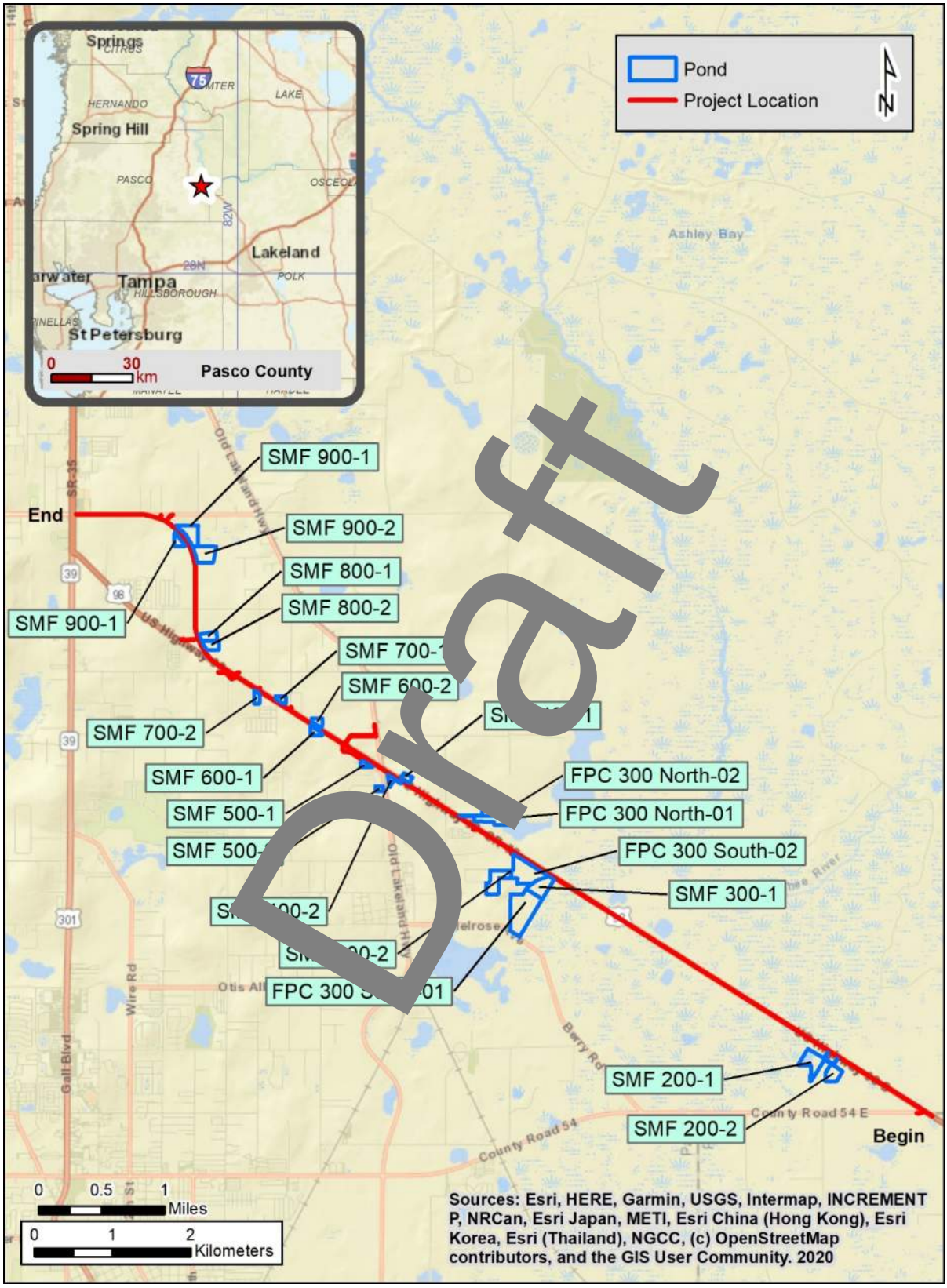

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Figure 1. Location of the proposed pond sites, Polk County.

2.0 DESCRIPTION OF KNOWN ARCHAEOLOGICAL SITES AND HISTORIC RESOURCES POTENTIAL

Archaeological Sites: A check of the FMSF digital database (June 2021) indicated that there are [redacted] All but one of these sites has been evaluated by the State Historic Preservation Officer (SHPO) as not eligible for listing in the NRHP.

Table 1. Previously recorded archaeological sites within and adjacent to the pond sites.

Site No.	Site Name	Site Type	Culture	NRHP Eligible
8PA00046	Upper Hillsborough 1	Lithic Scatter	Prehistoric	Not Evaluated
8PA0144A	Upper Hills Fld Det Area 28 A	Lithic Scatter	Prehistoric	Not Evaluated
8PA0144B	Upper Hills Fld Det Area 28 B	Lithic Scatter	Prehistoric	Not Evaluated
8PA00355	Asphalt Plant	Artifact Scatter	Prehistoric	Ineligible

Based upon the results of previous archaeological surveys in the vicinity (ACI 2006, 2009, 2012; Ambrosino 2015; Estabrook 1990; Wharton 1979, [illegible]), an understanding of known patterns of aboriginal settlement in the general region, as well as examination of the USGS quadrangle maps (USGS 1975a, 1975b) and the USDA soil survey (USDA 1[illegible] **Figures 4-6**), each of the proposed pond sites was evaluated for archaeological site potential. Each was reviewed and assigned to one of four site potential categories: low, low to moderate, moderate and high (**Table 2**).

Many environmental factors had a direct influence upon site location selection. Among these variables are soil drainage, distance to freshwater, relative topography, and proximity to food and other resources including stone and clay. On the basis of the aforementioned projects, it has been repeatedly demonstrated that archaeological sites are most often located near permanent or semi-permanent sources of water. In addition, prehistoric sites are found, more often than not, on better drained soils, and at the better drained margins of wetland features such as swamps, sinkholes, wet prairies, lakes and ponds. In areas characterized by poorly drained soils, sites tend to be located in areas of slightly higher elevation.

Historic Resources: Background research indicated there are seven (7) historic resources, 46 years of age or older (constructed on or before 1975), identified adjacent to the proposed SMF/FPC sites and easements. Of these seven historic resources, six were identified, recorded, and evaluated during the PD&E CRAS in August 2021. These resources include an update to unrecorded segments of the previously recorded South Florida Railroad – Pemberton Ferry Branch/Richloam Railroad (8PA02802) and the Old Lakeland Highway (8PA03343), Culvert Cattle Pass No. 2 (8PA03349), FDOT Bridge No. 140025 (8PA03356), and two buildings (8PA03355 & 8PA03367) constructed in ca. 1950 and ca. 1960 respectively. As a result of the CRAS, all but one was determined ineligible for listing in the NRHP. The South Florida Railroad – Pemberton Ferry Branch/Richloam Railroad (8PA02802) appears eligible for listing in the NRHP at the local level under Criterion A in the areas of Community Planning & Development and Transportation. None of these resources have been evaluated by the SHPO. One historic building, constructed in ca. 1968, was newly identified adjacent to FPC-300- North-01 (**Table 3**). The potential for newly identified historic resources was determined by examining the appropriate USGS quadrangle maps, historic aerial imagery, and property appraiser records (Wells 2021). No historic resources are located within any proposed SMF/FPC sites.

Draft

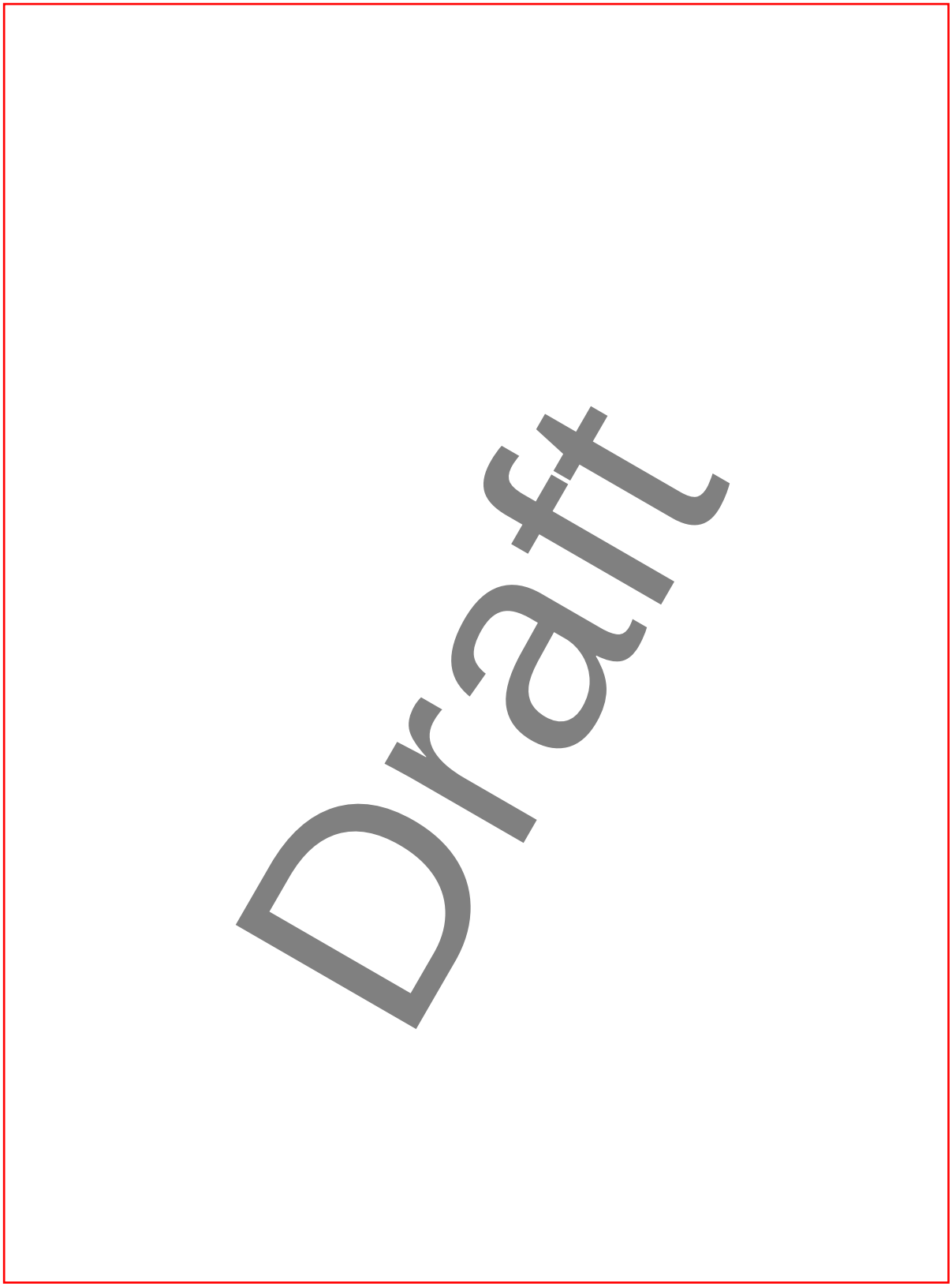

Figure 2. Environmental Setting and previously recorded cultural resources within one half mile.

Figure 3. Environmental Setting and previously recorded cultural resources within one half mile.

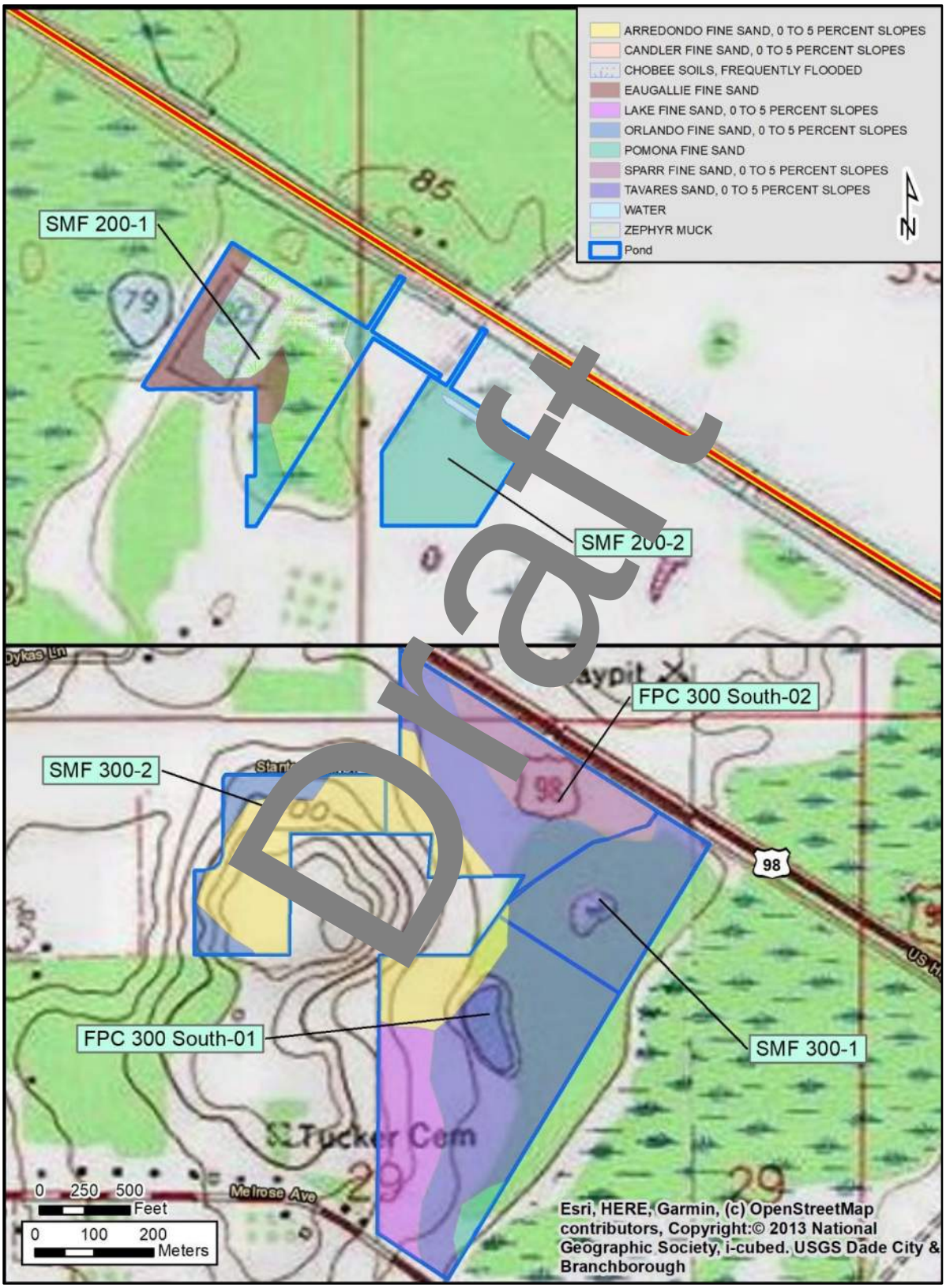

Figure 4. Soils within the Pond/FPC Sites.

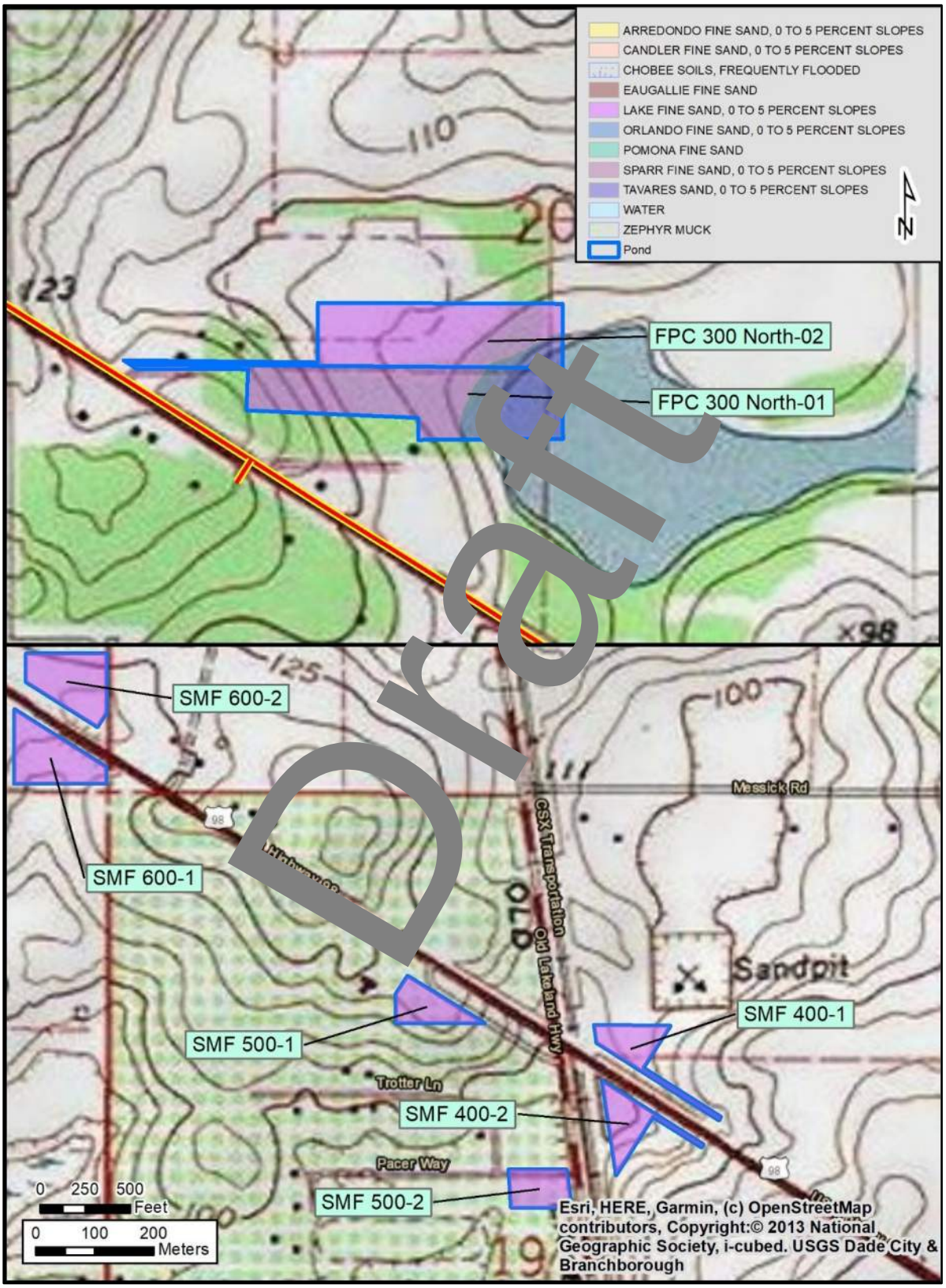

Figure 5. Soils within the Pond/FPC Sites.

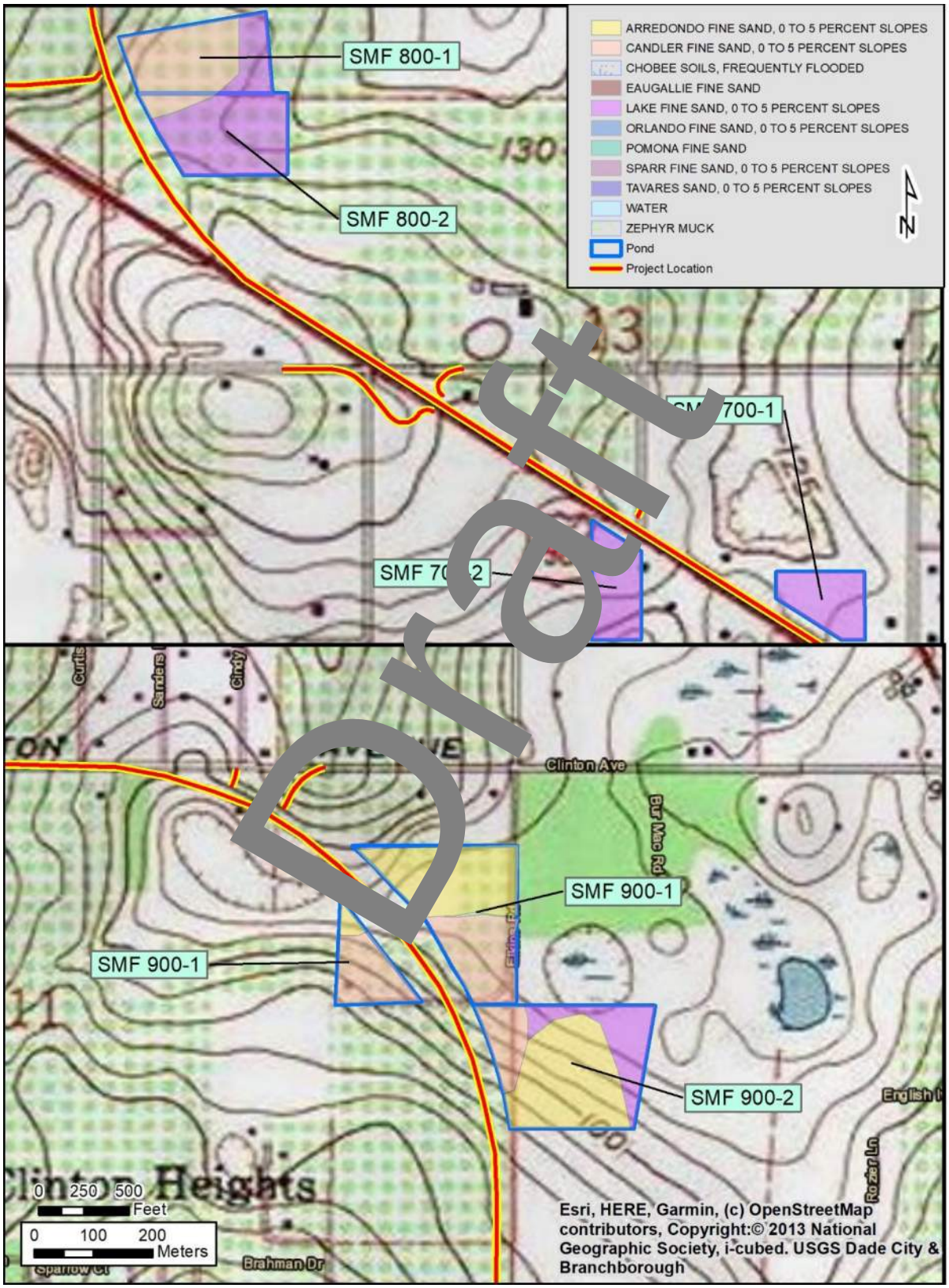

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Figure 6. Soils within the Pond/FPC Sites.

Table 2. Archaeological data.

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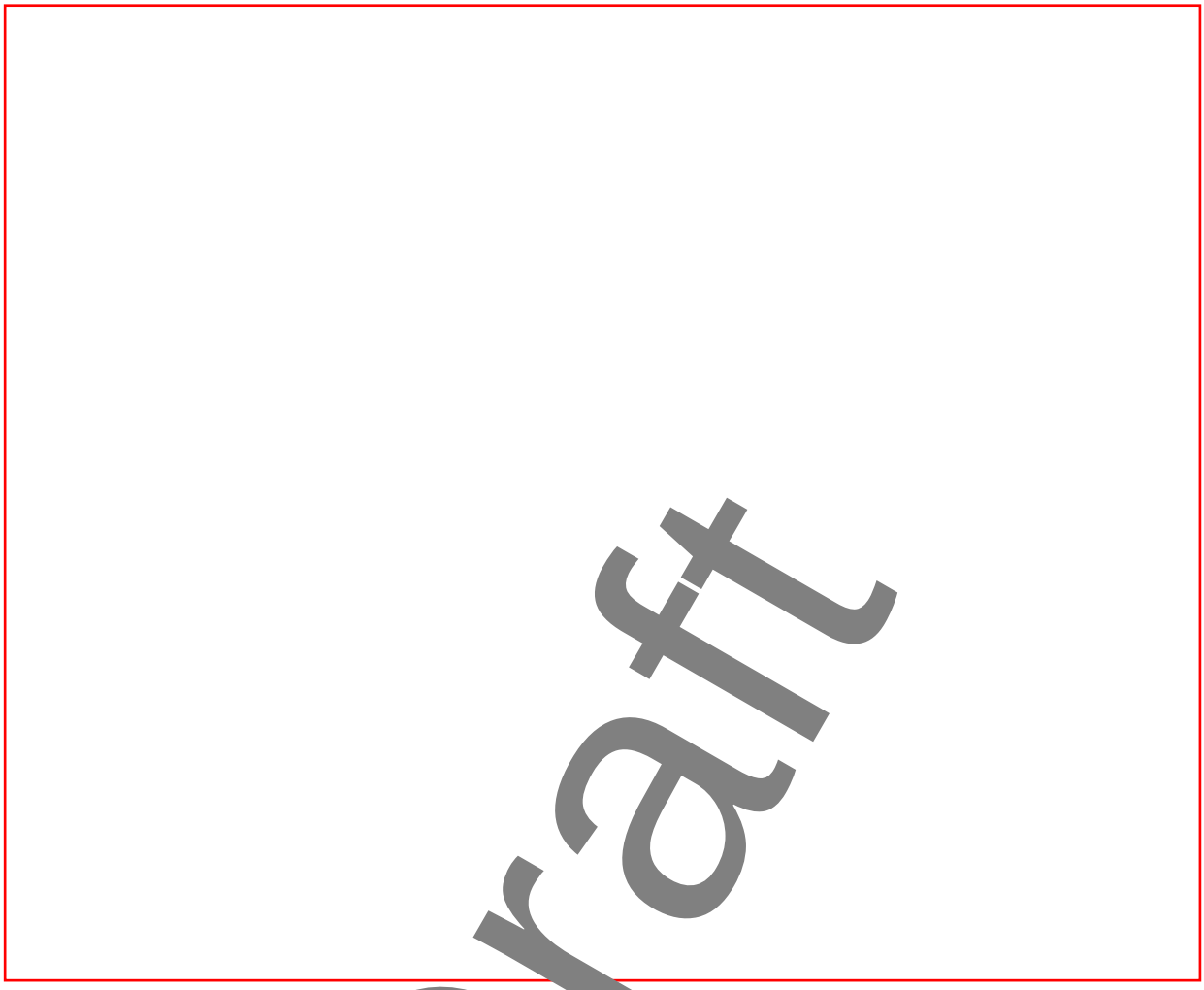

Draft

Table 3. Historic Resources da

Proposed SMF/FPC Site	FMSI No	Address/Site Name	Year Built	Style/Type	Within or Adjacent
SMF 200-2		N/A			N/A
SMF 200-1		N/A			N/A
SMF 300-1		N/A			N/A
SMF 300-2		N/A			N/A
FPC 300-South-01		N/A			N/A
FPC 300-South-02	8PA03349	US 98 Cattle Pass #2	ca. 1950	Culvert	Adjacent
FPC 300-North-01 + Easement		9276 US 98	ca. 1968	Building	Adjacent
FPC 300-North-02 + Easement	8PA03355	9350 US 98	ca. 1950	Masonry Vernacular	Adjacent
SMF 400-1	8PA02802	South Florida Railroad – Pemberton Ferry Branch/Richloam Railroad	ca. 1880	Linear Resource	Adjacent

Proposed SMF/FPC Site	FMSF No.	Address/Site Name	Year Built	Style/Type	Within or Adjacent
SMF 400-1	8PA03356	FDOT Bridge No. 140025	ca. 1951	Stringer (multi-beam) bridge	Adjacent
SMF 400-2	8PA02802	South Florida Railroad – Pemberton Ferry Branch/Richloam Railroad	ca. 1880	Linear Resource	Adjacent
	8PA03356	FDOT Bridge No. 140025	ca. 1951	Stringer (multi-beam) bridge	Adjacent
SMF 500-1		N/A			N/A
SMF 500-2	8PA03343	Old Lakeland Highway	ca. 1925	Linear Resource	Adjacent
SMF 600-1		N/A			N/A
SMF 600-2		N/A			N/A
SMF 700-1		N/A			N/A
SMF 700-2	8PA03367	10325 US 98	ca. 1960	Masonry Vernacular	Adjacent
SMF 800-1		N/A			N/A
SMF 800-2		N/A			N/A
SMF 900-1 + Easement		N/A			N/A
SMF 900-2		N/A			N/A

Draft

3.0 CONCLUSIONS AND RECOMMENDATIONS

In conclusion, no proposed pond site should be avoided due to cultural resource issues. Following the selection of preferred pond sites, systematic archaeological field survey is recommended in accordance with the guidelines and standards promulgated by the FDOT and Florida Division of Historical Resources (FDHR). The rejected pond sites considered to have a low potential also should be surveyed and judgmentally tested. Historical/architectural field survey is also recommended.

4.0 BIBLIOGRAPHY

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Draft

APPENDIX 21
Contamination Map

Draft

Desktop Contamination Analysis - Pond Alternatives

SR 35 (US 98) from CR 54 to US 301

FPIDs 443368-1-22-01 & 443368-2-22-01

Pond ID	Risk Rating	Comments
SMF 200-1	No	no on-site or adjacent contamination sites
SMF 200-2	No	no on-site or adjacent contamination sites
SMF 300-1	No	no on-site or adjacent contamination sites
SMF 300-2	No	no on-site or adjacent contamination sites
FPC 300-south-01	No	no on-site or adjacent contamination sites
FPC 300-south-02	No	no on-site or adjacent contamination sites
FPC 300-north-01	No	no on-site or adjacent contamination sites
FPC 300-north-02	No	no on-site or adjacent contamination sites
SMF 400-1	Low	no on-site or adjacent contamination sites
SMF 400-2	Low	Railroad tra[illegible] least 75 feet or greater west of pond site. Adjacent discharge due to State Farm Insur[illegible] Diesel Spill (vehicle accident). Cleanup complete with no remaining contamination concerns
SMF 500-1	No	Heavy Quip[illegible]jacent northeast (no current active tanks, no discharges reported)
SMF 500-2	No	no on-site or adjacent contamination sites
SMF 600-1	No	no on-site or adjacent contamination sites
SMF 600-2	No	no on-site or adjacent contamination sites
SMF 700-1	No	no on-site or adjacent contamination sites
SMF 700-2	No	no on-site or adjacent contamination sites
SMF 800-1	No	no on-site or adjacent contamination sites
SMF 800-2	No	no on-site or adjacent contamination sites

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Desktop Contamination Analysis - Pond Alternatives

SR 35 (US 98) from CR 54 to US 301

FPIDs 443368-1-22-01 & 443368-2-22-01

Pond ID	Risk Rating	Comments
SMF 900-1	No	no on-site or adjacent contamination sites
SMF 900-2	No	no on-site or adjacent contamination sites

Draft

APPENDIX 22
Natural Resources Technical Memo

Draft

402 S. Kentucky Avenue
Suite 400
Lakeland, FL 33801
Phone 863.682.4081
Fax 863.802.3907
www.rkk.com

TO: Kevin Connor – Project Manager, Lochner

FROM: Gordon Mullen – Senior Planner/Environmental Scientist, RK&K

US 98 / State Road (SR) 35 / SR 700 From Polk County Line/County Road (CR) 54 to US 301 (SR 39/SR 41) Project Development and Environment (PD&E) Study
Natural Resources Technical Memorandum for Pond Siting Report
FPID No.: 443368-2-22-01
Pasco County, Florida
FDOT District 7
Date: September 2, 2021

Draft

PROJECT DESCRIPTION

The Florida Department of Transportation (FDOT) District 7 is conducting a Project Development and Environment (PD&E) study along U.S. Highway 301 (US 301) / State Road (SR) 35 / SR 700 from the Polk County Line / CR 54 to US 301 / SR 39/ SR 41, in Pasco County (see **Figure 1-1**). The study will focus on widening this section of US 98 from a 2-lane undivided facility to a 4-lane divided facility and includes the realignment of US 98 between CR 54/SR 35A to US 301. The realignment allows US 98 to align with the Clinton Avenue (New SR 52) intersection at US 301 and was the result of a separate Alternatives Corridor Evaluation (ACE) study. The study will also evaluate issues related to traffic operations, access management, safety, and include pedestrian and bicycle accommodations. The proposed improvements will include construction of stormwater management facility (SMF) and floodplain compensation (FPC) sites to maintain water quality/quantity in accordance with State and federal rules.

The purpose of this technical memorandum is to provide input on the potential involvement of various SMF and FPC alternatives with local natural resource issues that may impact the siting, selection and/or construction of SMF and FPC alternatives as needed for the project's pond siting documentation. The SMF and FPC sites evaluated are shown graphically within the main Pond Siting Report and were based on the Google Earth KMZ file provided by Lochner on August 8, 2021.

PRELIMINARY ASSESSMENT

Sixteen (16) SMFs within eight drainage basins and four (4) FPC alternatives within basin 300 are being considered to meet the project's water quality/quantity requirements. However, it is anticipated that only one SMF alternative per basin and two total FPC alternatives (one south and one north) will be selected and ultimately constructed to meet the project's needs. **Table 1-1** below provides a brief summary of the natural resource occurrences and constraints applicable to each alternative.

Table 1-1. Summary of Potential SMF and FPC involvement with Listed/Protected Species, Wetlands and Estimated Resource Mitigation Costs

Alternative	Right-of-Way (ROW) Acreage Required / Provided[1]	Anticipated Involvement listed/Protected Species Involvement	Anticipated Species Mitigation Cost ($)[2]	Estimated Wetland & Surface Water Involvement / Impact Acreage[3]	Estimated Wetland Mitigation Cost ($)[4]
SMF 200-1	8.37 / 14.65	Moderate (wood stork, FL sandhill crane, state-listed wading birds)	See Wetland Mitigation Cost	Very High 6.85 (direct), 1.35 (secondary) 1.60 (hydric soil cut) and 0.27 (upland cut)	$1.08M (wetland & hydric soil cut features)
SMF 200-2	8.15 / 9.04	Moderate (wood stork, FL sandhill crane, state-listed wading birds)	See Wetland Mitigation Cost	Moderate 0.48 (direct), 0.04 (secondary) 0.10 (hydric soil cut and 0.81 (upland cut)	$77,091 (wetland & hydric soil cut features)
SMF 300-1	12.41 / 50.43	Moderate (wood stork, FL sandhill crane, state-listed wading birds)	None	Moderate 0.59 (pond excavated in upland soils)	None
SMF 300-2	11.50 / 34.76	Low	None	None	None
FPC 300-SOUTH-01	34.63 / 37.37	Moderate (wood stork, FL sandhill crane, state-listed wading birds)	None	Moderate 0.49 (excavated in upland soils)	None

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Table 1-1 (cont.)

Alternative	ROW Acreage Required / Provided[1]	Anticipated Involvement listed/Protected Species Involvement	Anticipated Species Mitigation Cost ($)[2]	Estimated Wetland-Surface Water Involvement / Impact Acreage[3]	Estimated Wetland Mitigation Cost ($)[4]
FPC 300-SOUTH-02	20.47 / 23.79	Low	None	None	None
FPC 300-NORTH-01	5.59 / 10.75	Moderate (1 potentially occupied gopher tortoise burrow), wood stork, FL sandhill crane, state-listed wading birds)	$334	None	None
FPC 300-NORTH-02	5.84 / 9.61	Moderate (1 potentially occupied gopher tortoise burrow), wood stork, FL sandhill crane, state-listed wading birds)	$33	None	None
SMF-400-1	1.09 / 1.74	Low	None	None	None
SMF-400-2	1.10 / 1.77	Low	None	None	None
SMF 500-1	1.51 / 1.66	Low	None	None	None
SMF 500-2	1.27 / 1.35	Low	None	None	None
SMF-600-1	2.46/ 2.97	Mod (1 potentially occupied gopher tortoise burrow)	$334	None	None
SMF-600-2	2.41 / 3.03	Low	None	None	None
SMF-700-1	2.01 / 2.53	High (5 potentially occupied gopher tortoise burrows)	$1,002 (3 tortoises)	None	None
SMF-700-2	1.43 / 2.78	Low	None	None	None
SMF-800-1	4.49 / 5.48	Low	None	None	None
SMF-800-2	4.58 / 5.76	Low	None	None	None

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Table 1-1 (cont.)

Alternative	ROW Acreage Required / Provided[1]	Anticipated Involvement listed/Protected Species Involvement	Anticipated Species Mitigation Cost ($)[2]	Estimated Wetland-Surface Water Involvement / Impact Acreage[3]	Estimated Wetland Mitigation Cost ($)[4]
SMF-900-1	7.03 / 10.76	Very High (17 potentially occupied gopher tortoise burrows)	$3,006 (9 tortoises)	None	None
SMF-900-2	8.38 / 12.97	Low	None	None	None

[1]= "Provided" includes total additional ROW acquisition and drainage easement acreages needed for each alternative from Summary of ROW Cost Tables 6-1 and 6-2 in the study's Pond Siting Report document (FDOT 2021a)

[2]= Assumes FWC Gopher Tortoise Conservation Permit for relocation to long-term protected site (assumes approx. 50% burrow occupancy at $334/relocated tortoise) (FWC 2020). **Note:** Cost estimate does not include tortoise mitigation bank recipient site fee, which is estimated between $1,500-2,000.

[3]= Impact acreage obtained from Table 4-2 (see **Attachment 1**) in the study's Natural Resources Evaluation document (FDOT 2021b).

[4]= Assumes a cost of $132,915/acre for direct impacts based on the latest Fiscal Year 2024/2025 estimate available from the FDOT Environmental Mitigation Payment Processing Handbook (FDOT 2019). Assumes $66,458 cost per acre for secondary impacts.

CONCLUSION

Please note the impacts and mitigation estimates noted herein are preliminary and subject to change at any time. These figures are based on preliminary pedestrian field reviews only. Detailed species surveys, establishment of jurisdictional wetland boundaries and detailed coordination with regulatory permitting agencies and mitigation entities have not occurred. Additionally, the location of SMF and FPC sites are subject to change between the PD&E study and Future Design phase.

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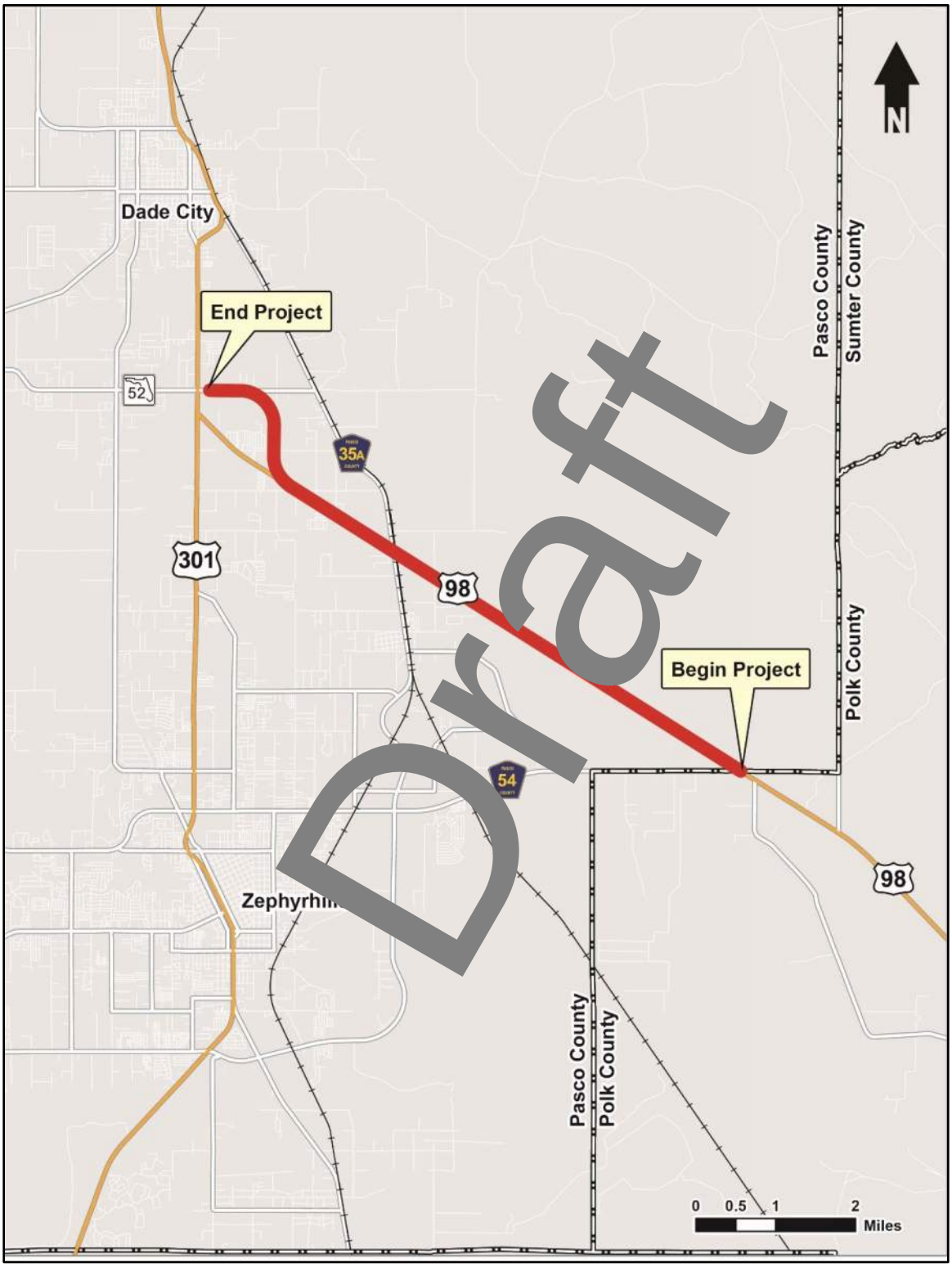
Draft

Figure 1. US 98 PD&E Study (WPIS# 443368-2-22-01) project location map.



ATTACHMENT 1. PROJECT WETLANDS AND [illegible]M ANALYSIS SUMMARY

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Table 4-1 Project Wetland Impacts and UMAM Analysis Summary

Project Feature	Impacted Systems	FLUCFCS Classification	Herbaceous/ Forested Systems	Direct Impact Area Per Basin (Acres)	Direct Impact Area Total (Acres)	Secondary Impact Area Per Basin (Acres)	Secondary Impact Area Total (Acres)	Total Impact Areas Per Basin (Acres)	Total Impact Area (Acres)	Delta	Direct Functional Loss Per Basin	Total Direct Functional Loss	Secondary Functional Loss Per Basin	Total Secondary Functional Loss	Total Functional Loss Per Basin	Total Functional Loss
Roadway	D-1, D-2, D-3, D-4, D-9, D-10, and D-11	5100: Streams and Waterways	N/A	Withlacoochee: 4.66 (2.56 in hydric soils & 2.1 in upland soils) Hillsborough River: 6.55 (1.22 in hydric soils & 5.33 in upland soils)	11.21 total (3.78 in hydric soils and 7.43 in upland soils)	N/A	N/A	Withlacoochee: 4.66 (2.56 in hydric soils & 2.1 in upland soils) Hillsborough River: 6.55 (1.22 in hydric soils & 5.33 in upland soils)	11.21 total (3.78 in hydric soils & 7.43 in upland soils)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	P-4	5300: Reservoirs	N/A	Withlacoochee: 0.04 in upland soils	0.04 (upland soils)	N/A	N/A	Withlacoochee: 0.04 in upland soils	0.04	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Other Surface Waters Total		**N/A**	**Withlacoochee: 4.70 Hillsborough River: 6.55**	**11.25**	**N/A**	**N/A**	**Withlacoochee: 4.70 Hillsborough River: 6.55**	**11.25**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
	WL-1	6300: Wetland Forested Mixed	Forested	Hillsborough River: 0.51	0.51	Hillsborough River: 0.41	0.41	Hillsborough River: 0.92	0.92	-0.73	Hillsborough River: 0.37	0.37	Hillsborough River: 0.30	0.30	Hillsborough River: 0.67	0.67
	WL-4, WL-21, WL-22, and WL-33	6150: Stream and Lake Swamp (Bottomland)	Forested	Withlacoochee: 1.75 Hillsborough River: 6.77	8.52	Withlacoochee: 3.25 Hillsborough River: 6.80	10.05	Withlacoochee: 5.00 Hillsborough River: 13.57	18.57	-0.73	Withlacoochee: 1.28 Hillsborough River: 4.94	6.22	Withlacoochee: 2.38 Hillsborough River: 4.96	7.34	Withlacoochee: 3.66 Hillsborough River: 9.90	13.56
	WL-2 and WL-	6430: Freshwater Marshes	Herbaceous	Hillsborough River: 0.06	0.06	Hillsborough River: 0.05	0.05	Hillsborough River: 0.11	0.11	-0.70	Hillsborough River: 0.04	0.04	Hillsborough River: 0.04	0.04	Hillsborough River: 0.08	0.08
		6430: Wet Prairies	Herbaceous	Hillsborough River: 0.20	0.20	Hillsborough River: 0.43	0.43	Hillsborough River: 0.63	0.63	-0.70	Hillsborough River: 0.14	0.14	Hillsborough River: 0.30	0.30	Hillsborough River: 0.44	0.44
	Wetlands Total		**N/A**	**Withlacoochee: 1.75 (forested) Hillsborough River: 7.54 (7.28 forested & 0.26 herbaceous)**	**9.29**	**Withlacoochee: 3.25 (forested) Hillsborough River: 7.69 (7.21 forested & 0.48 herbaceous)**	**10.94**	**Withlacoochee: 5.00 (forested) Hillsborough River: 15.23 (14.49 forested & 0.74 herbaceous)**	**20.23**	**N/A**	**Withlacoochee: 1.28 (forested) Hillsborough River: 5.49 (5.31 forested & 0.18 herbaceous)**	**6.77**	**Withlacoochee: 2.38 (forested) Hillsborough River: 5.60 (5.26 forested & 0.34 herbaceous)**	**7.98**	**Withlacoochee: 3.66 (forested) Hillsborough River: 11.09 (10.57 forested & 0.52 herbaceous)**	**14.75**
SMF 200-1	D-7 and D-8	5100: Streams and Waterways	N/A	Hillsborough River 0.87 (0.60 in hydric soils & 0.27 in uplands soil)	0.87 (0.60 in hydric soils & 0.27 in uplands soil)	N/A	N/A	Hillsborough River 0.87 (0.60 in hydric soils & 0.27 in uplands soil)	0.87 (0.60 in hydric soils & 0.27 in uplands soil)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Other Surface Waters Total		**N/A**	**Hillsborough River: 0.87**	**0.87**	**N/A**	**N/A**	**Hillsborough River: 0.87**	**0.87**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

Draft

Project Feature	Impacted Systems	FLUCFCS Classification	Herbaceous/ Forested Systems	Direct Impact Area Per Basin (Acres)	Direct Impact Area Total (Acres)	Secondary Impact Area Per Basin (Acres)	Secondary Impact Area Total (Acres)	Total Impact Areas Per Basin (Acres)	Total Impact Area (Acres)	Delta	Direct Functional Loss Per Basin	Total Direct Functional Loss	Secondary Functional Loss Per Basin	Total Secondary Functional Loss	Total Functional Loss Per Basin	Total Functional Loss
	WL-22 and WL-23	6150: Stream and Lake Swamps (Bottomland)	Forested	Hillsborough River: 6.85 (forested)	6.85	Hillsborough River: 1.35 (forested)	1.35	Hillsborough River: 8.20 (forested)	8.20	-0.73	Hillsborough River: 5.00 (forested)	5.00	Hillsborough River: 0.99 (forested)	0.99	Hillsborough River: 5.99 (forested)	5.99
	Wetlands Total		N/A	Hillsborough River: 6.85 (forested)	6.85	Hillsborough River: 1.35 (forested)	1.35	Hillsborough River: 8.20 (forested)	8.20	N/A	Hillsborough River: 5.00 (forested)	5.00	Hillsborough River: 0.99 (forested)	0.99	Hillsborough River: 5.99 (forested)	5.99
SMF 300-1	P-2	5300: Reservoirs	N/A	0.59 (Withlacoochee)	0.59 (upland soils)	N/A	N/A	0.59 (Withlacoochee)	0.59	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FPC 300-South-01	P-2	5300: Reservoirs	N/A	0.49 (Withlacoochee)	0.49 (upland soils)	N/A	N/A	0.49 (Withlacoochee)	0.49	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FPC 300-North-01, SMF 400-1, SMF 500-1, SMF 600-2, SMF 700-1, SMF 800-1, SMF 900-1	None	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Draft

APPENDIX 23
FDOT District 7 Right-of-Way Cost Estimates

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10316529-8.18

FM#:	443368-3	Alternate:	SMF 200-1	District:	Seven
County:	Pesco	Segment:	N/A	Date:	31-Aug-21
Stete Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequance	N/A
Project Oes.	US 98/SR 35/SR 700 from Polk Co Line to Old Lakeland Hwy				

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	2	2
Total Parcels	2	2

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Direct Labor Cost	(Parcels	2	x	20,000 =	Rete)		40,000
2. Indirect Overheed	(Parcels	2	x	0 =	Rete)		0
3.						TOTAL PHASE 41	$40,000

R/W OPS (PHASE 4B)

						Amount
4. Appraisal Fees Through Triel				2	Parcels x 30,000 =	60,000
5. Business Oamege CPA Fees Through Trial				0	Parcels x 19,000 =	0
6. Court Reporter & Process Servers	50%	x	2	1	Parcels x 500 =	500
7. Expert Witness	75%	x	2	2	Parcels x 30,000 =	60,000
8. Mediators	75%	x	2 =		Parcels x 2,400 =	4,800
9. Demolition, Asb. Abate., Survey, etc.					Parcymet x 15,000 =	0
10. Miscelleneous Contracts				1	Parcel ject x 15,000 =	15,000
11. Appraisel Fee Review				1	Parcel x 5,000 =	5,000
12.					TOTAL PHASE 4B	$145,300

R/W LAND COSTS (PHASE 43)

						Amount	Subtotal
13. Land, Improvements & Severance Oemages and Cost to Cure Amount		0	x	12	* Design plan stage =	0	
14. Water Retention & Mit. (1 Ponds)		313,083	x	120	(0 P els w/o R / Acq)	375,700	
15. SUBTOTAL (638,154 SF)					(13 &1		375,700
16. Admin. Settlements	(Factor	20%	x	60%	of Line =	45,100	
17. Litigation Awards	(Fector	45%	x	40%	of Line 15) =	67,600	
18. Business Oameges	(Claims	0	x	0	) =	0	
19. Bus. Oemeges Incrs.	(Fector	25%	x	$	=	0	
20. Owner Appr. Fees	(Parcels			$15,000	) =	30,000	
21. Owner CPA Fees	(Claims	0	x	5,000	) =	0	
22. Oefend.Atty Fees	(Sum of Lines 16, 17 & 19)	12,700	x	%	) =	37,200	
23. Owner Expert Witness	(Comm.+Unimp.)	0	+	2	) x 18,000 =	36,000	
24. Other Condemn. Costs		2	x	$	=	2,000	
25. SUBTOTAL					(Lines 16 thru 24) =		217,900
26.						TOTAL PHASE 43	$593,600

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% ns -105% (5) 268 Date -100%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

					Number		Amount
	Replecement Housing						
28. Owner		$35,000	x	0	=		0
29. Tenant		$25,000	x	0	=		0
	Move Costs						
30. Residential		$5,000	x	0	=		0
31. Business/Ferm		$40,000	x	0	=		0
32. Personal Property		$3,000	x	0	=		0
33. (Lines 28 thru 32)							
34. Relocation Services Cost				$0	(Not in Phase Total)	TOTAL PHASE 45	$0
35.							
36.							
37.					(All Phases)	TOTAL ESTIMATE	$778,900

Real Estate:	Roger D. Patton	Signed:		Oate: 09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21
Relocation:	Roger D. Patton	Signed:		Date: 09/13/21
Overall Review:	Alfred J. Thompson	Signed:	A.J. Thompson	Oete: 09/13/21

Cost Estimete Sequence #: Deted: In the Amount of $ Data Input Completion Date:

REMARKS:

This estimate represents the RW costs associeted with SMF 200-1.

The pond further isolates a portion of Parcel 1 end damages were applied.

The following indicates the estimator's confidence in the above estimete:

- Type A - indicetes the most confidence
- Type B - indicetes above average confidence
- x Type C - indicetes below average confidence
- Type O - indicates the least or no confidence

The following indicates the Department's purpose for this estimate:

Work Program Update: Gaming 1: Special Purpose: x Docs to RW:

Comments:

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10310529-8.18

FM#:	443368-3	Alternate:	SMF 200-2	District:	Seven
County:	Pasco	Segmant:	N/A	Data:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequance	N/A
Project Des.	US 98/SR 35/SR 700 from Polk Co Line to Old Lakeland Hwy				

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	2	2
Total Parcels	2	2

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Direct Labor Cost	(Parcels	2	x	20,000 =	Rata)		40,000
2. Indirect Overhead	(Parcels	2	x	0 =	Rate)		0
3.						TOTAL PHASE 41	$40,000

R/W OPS (PHASE 4B)

						Amount
4. Appraisal Fees Through Trial				2	rcels x 30,000 =	60,000
5. Business Damage CPA Fees Through Trial				0	x 19,000 =	0
6. Court Reporter & Process Servers	50%	x	2	1	Parc x 500 =	500
7. Expert Witness	75%	x	2		Parcals 30,000 =	60,000
8. Madiators	75%	x	2	=	Parcels x 2,400 =	4,800
9. Damolition, Asb. Abate., Survay, etc.				0	rvmet x 15,000 =	0
10. Miscellaneous Contracts				1	ct x 15,000 =	15,000
11. Appraisal Fee Review				1	Parce x 5,000 =	5,000
12.					TOTAL PHASE 4B	$145,300

R/W LAND CDSTS (PHASE 43)

							Amount	Subtotal
13. Land, Improvements & Severanca Damages and Cost to Cure Amount		0	x	1	* sign plan age	=	0	
14. Water Ratantion & Mit. (1 Ponds)		136,700	x	120%	(0 P els w/o W Acq)		164,000	
15. SUBTDTAL (393,783 SF)					13.8			164,000
16. Admin. Settlements	(Factor	20%	x	60%	of Line	=	19,700	
17. Litigation Awards	(Factor	45%	x	40%	of Line 15)	=	29,500	
18. Business Damages	(Claims	0	x	0	)	=	0	
19. Bus. Damages Incrs.	(Factor	25%	x	$	)	=	0	
20. Dwner Appr. Fees	(Parcels			$15,000	)	=	30,000	
21. Dwnar CPA Fees	(Claims	0	x	5,000	)	=	0	
22. Defend.Atty Feas	(Sum of Lines 16, 17 & 19)	49,200	x	3%	)	=	16,200	
23. Dwner Expert Witness	(Comm.+Unimp.)	0	+	2	) x 18,000	=	36,000	
24. Dther Condemn. Costs		2	x	$ 0		=	2,000	
25. SUBTDTAL					(Lines 16 thru 24)	=		133,400
26.						TOTAL PHASE 43		$297,400

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% ans -105% (5) 268 Date -100%

R/W ACQUISITIDN CDNSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION CDSTS (PHASE 45)

					Number		Amount
	Replacement Housing						
28. Dwner		$35,000	x	0	=		0
29. Tenant		$25,000	x	0	=		0
	Move Costs						
30. Residential		$5,000	x	0	=		0
31. Business/Farm		$40,000	x	0	=		0
32. Personal Property		$3,000	x	0	=		0
33. (Lines 28 thru 32)							
34. Relocation Services Cost				$0	(Not in Phase Total)	TOTAL PHASE 45	$0
35.							
36.							
37.					(All Phases)	TOTAL ESTIMATE	$482,700

Real Estate:	Roger D. Patton	Signed:		Data: 09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21
Relocation:	Roger D. Patton	Signed:		Date: 09/13/21
Overall Review:	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21

Cost Estimate Sequence #: Dated: In the Amount of $ Data Input Completion Data:

REMARKS:

This estimate represents the RW costs associatad with SMF 200-2.

The following indicates the estimator's confidence in the above estimate:

	Type A - indicates tha most confidance
	Type B - indicates above average confidence
x	Type C - indicates below average confidence
	Type D - indicatas the least or no confidence

The following indicates the Department's purpose for this estimate:

Work Program Update: Gaming 1: Special Purpose: x Docs to RW:

Comments:

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10310529-8.18

FM#:	443368-3	Alternate:	SMF 300-1/FPC 300 S-1	District:	Seven
County:	Pasco	Segment:	N/A	Oete:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequence	N/A
Project Oes.	US 98/SR 35/SR 700 from Polk Co Line to Old Lakeland Hwy				

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	1	1
Total Parcels	1	1

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Oirect Labor Cost	(Parcels	1	x	20,000 =	Rate)		20,000
2. Indirect Overheed	(Percels	1	x	0 =	Rete)		0
3.						TOTAL PHASE 41	$20,000

R/W OPS (PHASE 4B)

						Amount
4. Appraisel Fees Through Triel				1 Parcels	x 30,000 =	30,000
5. Business Damage CPA Fees Through Trial				0 Parcels	x 19,000 =	0
6. Court Reporter & Process Servers	50%	x 1	=	1 Parcels	x 500 =	500
7. Expert Witness	75%	x 1	=	1 Parcels	x 30,000 =	30,000
8. Medietors	75%	x 1	=	1 Parcels	x 2,400 =	2,400
9. Oemolition, Asb. Abate., Survey, etc.				1 Parcels	x 15,000 =	0
10. Miscellaneous Contracts				1 Parcels	x 15,000 =	15,000
11. Appraisal Fee Review				0 Parcels	x 5,000 =	0
12.					TOTAL PHASE 4B	$77,900

R/W LAND COSTS (PHASE 43)

							Amount	Subtotal
13. Land, Improvements & Severence Oemages end Cost to Cure Amount		0	x	1	* Design plan stage	=	0	
14. Water Retention & Mit. (1 Ponds)		878,692	x	120%	(0 Parcels w/o R/W Acq)	=	1,054,400	
15. SUBTOTAL (2,196,731 SF)					(Lines 13 &14)			1,054,400
16. Admin. Settlements	(Fector	20%	x	0%	of Line 15)	=	0	
17. Litigation Awerds	(Factor	45%	x	100%	of Line 15)	=	474,500	
18. Business Oemages	(Claims	0	x	0	)	=	0	
19. Bus. Oemages Incrs.	(Fector	25%	x	$	)	=	0	
20. Owner Appr. Fees	(Percels			$15,000	)	=	15,000	
21. Owner CPA Fees	(Claims	0	x	$6,000	)	=	0	
22. Defend.Atty Fees	(Sum of Lines 16, 17 & 19)	474,500	x	33%	)	=	156,600	
23. Owner Expert Witness	(Comm.+Unimp.)	0	+	1	) x 18,000	=	18,000	
24. Other Condemn. Costs		1	x	$1,000		=	1,000	
25. SUBTOTAL					(Lines 16 thru 24)	=		665,100
26.						TOTAL PHASE 43		$1,719,500

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% (4) 90% plans -105% (5) 268 Date -100%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

					Number		Amount
	Replacement Housing						
28. Owner		$35,000	x	0	=		0
29. Tenant		$25,000	x	0	=		0
	Move Costs						
30. Residential		$5,000	x	0	=		0
31. Business/Ferm		$40,000	x	0	=		0
32. Personel Property		$3,000	x	0	=		0
33. (Lines 28 thru 32)						TOTAL PHASE 45	$0
34. Relocation Services Cost				$0	(Not in Phase Total)		
35.							
36.							
37.					(All Phases)	TOTAL ESTIMATE	$1,817,400

Real Estate:	Roger D. Petton	Signed:	Date:	09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:	Date:	09/13/21
Relocation:	Roger D. Patton	Signed:	Date:	09/13/21
Overall Review:	Alfred J. Thompson	Signad:	Oete:	09/13/21

Cost Estimate Sequence #: Oeted: In the Amount of $ Oeta Input Completion Oate:

REMARKS:

This estimete represents the RW costs associeted with SMF 300-1 end FPC 300 -South 01.

Administrative Settlement and Litigetion Awards heve been adjusted to reflect one ownership. Administrative settlement is considered to be zero, while litigetion is fectored at 45%.

The following indicates the estimator's confidence in the ehove estimete:

- ____ Type A - indicetes the most confidence
- ____ Type B - indicates ehove everege confidence
- x Type C - indicetes below everege confidence
- ____ Type O - indicetes the leest or no confidence

The following indicates the Oepertment's purpose for this estimate:

Work Program Update: ____ Gaming 1: ____ Special Purpose: x Oocs to RW: ____

Comments: ____

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10316529-8.18

FM#:	443368-3	Alternate:	SMF 300-2/FPC 300 S-2	District:	Seven
County:	Pesco	Segment:	N/A	Dete:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequence	N/A
Project Des.	US 98/SR 35/SR 700 from Polk Co Line to Old Lakeland Hwy				

Parcels	Gross	Net
Commercial	0	0
Residential	5	5
Unimproved	1	1
Total Parcels	6	6

Estimated Relocatees:	
Business	0
Residential	5
Signs	0
Special	0
Total Relocatees	5

R/W SUPPDRT COSTS (PHASE 41)

							Amount
1. Direct Labor Cost	(Parcels	6	x	20,000 =	Rete)		120,000
2. Indirect Overheed	(Parcels	6	x	0 =	Rete)		0
3.						TOTAL PHASE 41	$120,000

R/W OPS (PHASE 4B)

						Amount
4. Appraisal Fees Through Triel						
5. Business Damage CPA Fees Through Trial						
6. Court Reporter & Process Servers	50%	x	6	=	3 Parcels x 500 =	1,500
7. Expert Witness	75%	x	6	=	Parcels x 30,000 =	150,000
8. Mediators	75%	x	6	=	Parcels x 2,400 =	12,000
9. Demolition, Asb. Abate., Survey, etc.					x 15,000 =	75,000
10. Miscellaneous Contracts					1 x 15,000 =	15,000
11. Appraisel Fee Review					2 Parcels x 5,000 =	10,000
12.					TOTAL PHASE 4B	$443,500

R/W LAND COSTS (PHASE 43)

						Amount	Subtotel
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	*	sign plan stage =	0	
14. Water Retention & Mit. (1 Ponds)		2,486,000	x	12% (0 cels w/o N Acq)		2,983,200	
15. SUBTOTAL (1,635,678 SF)				s 13			2,983,200
16. Admin. Settlements	(Factor	20%	x	60% of Lin	=	358,000	
17. Litigation Awerds	(Factor	45%	x	40% of Line 15)	=	537,000	
18. Business Demages	(Cleims	0	x	0)	=	0	
19. Bus. Damages Incrs.	(Factor	25%	x	$	=	0	
20. Dwner Appr. Fees	(Parcels			$15,000)	=	90,000	
21. Dwner CPA Fees	(Cleims	0	x	16,000)	=	0	
22. Defend.Atty Fees	(Sum of Lines 16, 17 & 19)	295,000	x	3%)	=	295,400	
23. Owner Expert Witness	(Comm.+Unimp.)	0	+	1) x 18,000	=	18,000	
24. Dther Condemn. Costs		6	x	00	=	6,000	
25. SUBTDTAL				(Lines 16 thru 24)	=		1,304,400
26.					TOTAL PHASE 43		$4,287,600

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% ans -105% (5) 268 Date -100%

R/W ACQUISITIDN CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

	Replacement Housing		Number	Amount	
28. Dwner	$35,000	x	5	= 175,000	
29. Tenent	$25,000	x	0	= 0	
	Move Costs				
30. Residentiel	$5,000	x	5	= 25,000	
31. Business/Farm	$40,000	x	0	= 0	
32. Personal Property	$3,000	x	0	= 0	
33. (Lines 28 thru 32)					TOTAL PHASE 45 $200,000
34. Relocetion Services Cost			$20,000	(Not in Phese Total)	
35.					
36.					
37.				(All Phases)	TOTAL ESTIMATE $5,051,100

Real Estate:	Roger D. Patton	Signed:	Date:	09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:	Dete:	09/13/21
Relocation:	Roger D. Patton	Signed:	Date:	09/13/21
Overall Review:	Alfred J. Thompson	Signed:	Dete:	09/13/21

Cost Estimete Sequence #: Deted: In the Amount of $ Dete Input Completion Dete:

REMARKS:

This estimate represents the RW costs essocieted with SMF 300-2 and FPC 300 -South 02.

SMF 300-2:

Parcels 2 thru 6 are currently vacant lots in the Tara Oaks subdivision that are being sold and developed with upper bracket single femily homes.
The estimate assumes these lots will be developed by the time acquisition is underway.
The improvement values are estimated on the basis of current average listing price of $400,000 for improved lots in the subdivision.

The following indicates the estimator's confidence in the above estimate:

	Type A - indicates the most confidence
	Type B - indicetes ebove everege confidence
x	Type C - indicetes below everege confidence
	Type D - indicates the leest or no confidence

The following indicates the Department's purpose for this estimete:

Work Program Update: _____ Gaming 1: _____ Special Purpose: x Docs to RW: _____

Comments: _____

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10318529-8.18

FM#:	443368-4	Alternete:	SMF 400-1	District:	Seven
County:	Pasco	Segment:	N/A	Date:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequence	N/A
Project Des.	US 98/SR 35/SR 700 from South of Old Lakeland Hwy to SR35				

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	1	1
Total Parcels	1	1

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocetees	0

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Direct Labor Cost	(Percels	1	x	20,000 =	Rete)		20,000
2. Indirect Overheed	(Percels	1	x	0 =	Rete)		0
3.						TOTAL PHASE 41	$20,000

R/W OPS (PHASE 4B)

						Amount
4. Appraisel Fees Through Triel				arcels	x 30,000 =	30,000
5. Business Demege CPA Fees Through Trial			0	ims	x 19,000 =	0
6. Court Reporter & Process Servers	50%	x 1	1	Pe	x 500 =	500
7. Expert Witness	75%	x 1		Parcels	30,000 =	30,000
8. Medietors	75%	x 1		Percels	2,400 =	2,400
9. Demolition, Asb. Abate., Survey, etc.				mprvmet	x 15,000 =	0
10. Miscellaneous Contracts			1	niect	x 15,000 =	15,000
11. Appraisal Fee Review			0	Parc	x 5,000 =	0
12.					TOTAL PHASE 4B	$77,900

R/W LAND COSTS (PHASE 43)

							Amount	Subtotal
13. Lend, Improvements & Severanca Damages and Cost to Cure Amount		0	x	% *	sign plan stage	=	0	
14. Weter Retention & Mit. (1 Ponds)		59,182	x	% (0	rcels w/o W Acq)		71,000	
15. SUBTOTAL (111,949 SF)					es 13			71,000
16. Admin. Settlements	(Fector	20%	x	0% of Li		=	0	
17. Litigation Awerds	(Factor	45%	x	100% of Line 15)		=	32,000	
18. Business Demeges	(Cleims	0	x	0)		=	0	
19. Bus. Dameges Incrs.	(Factor	25%	x	$		=	0	
20. Owner Appr. Faes	(Parcels			$15,000		=	15,000	
21. Owner CPA Fees	(Claims	0	x	$16,000)		=	0	
22. Defend.Atty Fees	(Sum of Lines 16, 17 & 19)	32,000	x	33%)		=	10,600	
23. Owner Expert Witness	(Comm.+Unimp.)	0	+	1) x	18,000	=	18,000	
24. Other Condemn. Costs		1	x	00		=	1,000	
25. SUBTOTAL					(Lines 16 thru 24)	=		76,600
26.							TOTAL PHASE 43	$147,600

** Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% lans -105% (5) 268 Date -100%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

				Number		Amount
	Replecement Housing					
28. Owner	$35,000	x	0	=	0	
29. Tenent	$25,000	x	0	=	0	
	Move Costs					
30. Residentiel	$5,000	x	0	=	0	
31. Business/Ferm	$40,000	x	0	=	0	
32. Personel Property	$3,000	x	0	=	0	
33. (Lines 28 thru 32)						
34. Relocation Services Cost			$0	(Not io Phase Total)	TOTAL PHASE 45	$0
35.						
36.						
37.				(All Phases)	TOTAL ESTIMATE	$245,500

Real Estate:	Roger D. Patton	Signed:		Date: 09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:		Dete: 09/13/21
Relocation:	Roger D. Patton	Signed:		Dete: 09/13/21
Overall Review:	Alfred J. Thompson	Signed:		Dete: 09/13/21

Cost Estimate Sequence #: Deted: In the Amount of $ Dete Input Completion Date:

REMARKS:

This estimete represents the RW costs esociated with SMF 400-1.

Administrative Settlement and Litigetion Awards heve been adjusted to reflect one ownership. Administrative settlement is considered to be zero, while litigetion is factored at 45%.

The following indicates the estimator's confidence in the above estimate:

	Type A - indicates the most confidence
	Type B - indicetes above averege confidence
x	Type C - indicates below average confidence
	Type D - indicetes the leest or no confidence

The following indicates the Department's purpose for this estimate:

Work Progrem Updete: Gaming 1: Special Purpose: x Docs to RW:

Comments:

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10310529-8.18

FM#:	443368-4	Alternate:	SMF 400-2	District:	Seven
County:	Pasco	Segment:	N/A	Date:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequence	N/A
Project Des.	US 98/SR 35/SR 700 from South of Old Lakeland Hwy to SR35				

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	1	1
Total Parcals	1	1

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Diract Labor Cost	(Parcels	1	x	20,000 =	Rate)		20,000
2. Indiract Overhaad	(Parcels	1	x	0 =	Rate)		0
3.						TOTAL PHASE 41	$20,000

R/W OPS (PHASE 4B)

						Amount
4. Appraisal Fees Through Trial						
5. Business Damage CPA Feas Through Trial						
6. Court Reporter & Process Sarvers	50%	x	1	=	0 Parcels x 30,000 =	30,000
7. Expart Witnass	75%	x	1	=	0 Parcels x 19,000 =	0
8. Mediators	75%	x	1	=	1 Parcels x 500 =	500
9. Demolition, Asb. Abate., Survay, etc.					1 Parcels x 30,000 =	30,000
10. Miscellaneous Contracts					0 Parcels x 2,400 =	2,400
11. Appraisal Fea Review					1 Improvmet x 15,000 =	0
12.					0 Parcel x 15,000 =	15,000
					0 Parcel x 5,000 =	0
					TOTAL PHASE 4B	$77,900

R/W LAND COSTS (PHASE 43)

							Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	% *	sign plan stage	=	0	
14. Water Retention & Mit. (1 Ponds)		26,789	x	12.0% (0	rcels w/o W Acq)		32,100	
15. SUBTOTAL (77,101 SF)					s 13)			32,100
16. Admin. Settlements	(Factor	20%	x	0% of Line		=	0	
17. Litigation Awards	(Factor	45%	x	100% of Line 15)		=	14,400	
18. Business Oamages	(Claims	0	x	0)		=	0	
19. Bus. Oamagas Incrs.	(Factor	25%	x	$		=	0	
20. Owner Appr. Fees	(Parcels			$15,000		=	15,000	
21. Owner CPA Fees	(Claims	0	x	16,000)		=	0	
22. Defend.Atty Fees	(Sum of Linas 16, 17 & 19)	14,400	x	33%)		=	4,800	
23. Owner Expert Witness	(Comm.+Unimp.)	0	+	1) x	18,000	=	18,000	
24. Other Condemn. Costs		1	x	00		=	1,000	
25. SUBTOTAL					(Linas 16 thru 24)	=		53,200
26.							TOTAL PHASE 43	$85,300

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% lans -105% (5) 268 Date -100%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

	Replacement Housing		Number		Amount
28. Owner	$35,000	x	0	=	0
29. Tenant	$25,000	x	0	=	0
	Move Costs				
30. Residential	$5,000	x	0	=	0
31. Business/Farm	$40,000	x	0	=	0
32. Personal Property	$3,000	x	0	=	0
33. (Lines 28 thru 32)					TOTAL PHASE 45 $0
34. Relocation Services Cost			$0	(Not in Phase Total)	
35.					
36.					
37.				(All Phases)	TOTAL ESTIMATE $183,200

Real Estate:	Roger D. Patton	Signed:	Data:	09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed: A.J. Thompson	Date:	09/13/21
Relocation:	Roger D. Patton	Signed:	Date:	09/13/21
Overall Review:	Alfred J. Thompson	Signed: A.J. Thompson	Date:	09/13/21

Cost Estimate Sequence #: Oated: In the Amount of $ Oata Input Completion Date:

REMARKS:

This estimate represents the RW costs associated with SMF 400-1.

Administrative Settlement and Litigation Awards have been adjusted to reflect one ownership. Administrative settlement is considered to be zero, while litigation is factored at 45%.

The following indicates the estimator's confidence in the above estimate:

	Type A - indicatas the most confidence
	Type B - indicates above averaga confidence
x	Type C - indicates below average confidence
	Type O - indicates the least or no confidence

The following indicates the Oepartment's purpose for this estimate:

Work Program Update: Gaming 1: Special Purpose: x Docs to RW:

Comments:

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10316529-8.18

FM#:	443368-4	Alternate:	SMF 500-1	District:	Seven
County:	Pasco	Segment:	N/A	Date:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequence	N/A
Project Des.	US 98/SR 35/SR 700 from South of Old Lakeland Hwy to SR35				

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	0	0
Total Percels	0	0

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Direct Labor Cost	(Percels	0	x	20,000	=	Rate)	0
2. Indirect Overhead	(Parcels	0	x	0	=	Rate)	0
3.							
						TOTAL PHASE 41	$0

R/W OPS (PHASE 4B)

							Amount
4. Appraisal Fees Through Trial						rcels x 30,000 =	0
5. Business Damage CPA Fees Through Triel						ims x 19,000 =	0
6. Court Reporter & Process Servers						x 500 =	0
7. Expert Witness	50%	x	0			Parcel x 30,000 =	0
8. Mediators	75%	x	0			Parcels 2,400 =	0
9. Demolition, Asb. Abate., Survey, etc.	75%	x	0			Imprvmet x 15,000 =	0
10. Miscellaneous Contracts					1	Project x 15,000 =	15,000
11. Appraisel Fee Review					0	Par x 5,000 =	0
12.						TOTAL PHASE 4B	$15,000

R/W LAND COSTS (PHASE 43)

							Amount	Subtotal
13. Land, Improvements & Severence Demages and Cost to Cure Amount		0	x	%* esign pla stage	=		0	
14. Water Retention & Mit. (1 Pond)		289,240	x	% (0 rcels w/ W Acq)	=		347,100	
15. SUBTOTAL (72,310 SF)								347,100
16. Admin. Settlements	(Fector	20%	x	60% of L	=		41,700	
17. Litigetion Awerds	(Factor	45%	x	40% of Line 15)	=		62,500	
18. Business Demeges	(Claims	0	x	0)	=		0	
19. Bus. Damages Incrs.	(Factor	25%	x	$)	=		0	
20. Owner Appr. Fees	(Percels			$15,000	=		0	
21. Owner CPA Fees	(Cleims	0	x	$16,000)	=		0	
22. Defend.Atty Fees	(Sum of Lines 16, 17 & 19)	104,200	x	33%)	=		34,400	
23. Owner Expert Witness	(Comm.+Unimp.)	0	÷	0) x 18,000	=		0	
24. Other Condemn. Costs		0	x	000	=		0	
25. SUBTOTAL				(Lines 16 thru 24)	=			138,600
26.						TOTAL PHASE 43		$485,700

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 11 lans -105% (5) 268 Date -100%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

	Replecement Housing		Number		Amount
28. Owner	$35,000	x	0	=	0
29. Tenant	$25,000	x	0	=	0
	Move Costs				
30. Residential	$5,000	x	0	=	0
31. Business/Ferm	$40,000	x	0	=	0
32. Personel Property	$3,000	x	0	=	0
33. (Lines 28 thru 32)					
34. Relocation Services Cost			$0	(Not in Phase Total)	TOTAL PHASE 45 $0
35.					
36.					
37.				(All Phases)	TOTAL ESTIMATE $500,700

Real Estate:	Roger D. Patton	Signed:		Date: 09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:	A. J. Thompson	Dete: 09/13/21
Relocation:	Roger D. Patton	Signed:		Date: 09/13/21
Overall Review:	Alfred J. Thompson	Signed:	A. J. Thompson	Date: 09/13/21

Cost Estimete Sequence #: Dated: In the Amount of $ Deta Input Completion Date:

REMARKS:

This estimete represents the RW costs associated with SMF 500-1.

The following indicates the estimator's confidence in the above estimate:

- ____ Type A - indicetes the most confidence
- ____ Type B - indicates above average confidence
- x Type C - indicates below everage confidence
- ____ Type D - indicates the least or no confidence

The following indicates the Department's purpose for this estimate:

Work Progrem Update: ____ Gaming 1: ____ Speciel Purpose: x Docs to RW: ____

Comments: ____

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10310529-8.18

FM#:	443368-4	Alternata:	SMF 500-2	District:	Seven
County:	Pasco	Segmeat:	N/A	Date:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequanca	N/A
Project Des.	US 98/SR 35/SR 700 from South of Old Lakeland Hwy to SR35				

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	1	1
Total Parcels	1	1

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Diract Labor Cost	(Parcels	1	x	20,000 =	Rate)		20,000
2. Indirect Overhead	(Parcals	1	x	0 =	Rate)		0
3.						TOTAL PHASE 41	$20,000

R/W OPS (PHASE 4B)

							Amount
4. Appraisel Fees Through Trial					1	cals x 30,000 =	30,000
5. Business Damage CPA Fees Through Trial					0	x 19,000 =	0
6. Ceurt Reporter & Process Servers		50%	x	1	1	Par x 500 =	500
7. Expart Witness		75%	x	1	1	Parcels 30,000 =	30,000
8. Mediators		75%	x	1 =		Parcels 2,400 =	2,400
9. Damolition, Asb. Abata., Survey, atc.						prvmet x 15,000 =	0
10. Miscellanaous Contracts					1	ject x 15,000 =	15,000
11. Appraisal Fee Raview					0	Parce x 5,000 =	0
12.						TOTAL PHASE 4B	$77,900

R/W LAND COSTS (PHASE 43)

						Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	1	* Design plan stage =	0	
14. Watar Ratention & Mit. (1 Ponds)		130,000	x	12	(0 P cels w/o R W Acq)	156,000	
15. SUBTOTAL (70,132 SF)					s 13 &		156,000
16. Admin. Settlements	(Factor	20%	x	0% of Lin	=	0	
17. Litigation Awards	(Factor	45%	x	100% of Line 15)	=	70,200	
18. Business Damages	(Claims	0	x	0)	=	0	
19. Bus. Damages Incrs.	(Factor	25%	x	$	=	0	
20. Owner Appr. Faas	(Parcals			$15,000)	=	15,000	
21. Ownar CPA Fees	(Claims	0	x	6,000)	=	0	
22. Dafend.Atty Fees	(Sum of Lines 16, 17 & 19)	70,200	x	3%)	=	23,200	
23. Ownar Expert Witness	(Comm.+Unimp.)	0	+	1) x 18,000	=	18,000	
24. Othar Condemn. Costs		1	x	$ 0	=	1,000	
25. SUBTOTAL				(Linas 16 thru 24)	=		127,400
26.						TOTAL PHASE 43	$283,400

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% ans -105% (5) 268 Date -100%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

					Number		Amount
	Replacement Housing						
28. Owner		$35,000	x	0	=		0
29. Tenant		$25,000	x	0	=		0
	Move Costs						
30. Residential		$5,000	x	0	=		0
31. Businass/Farm		$40,000	x	0	=		0
32. Personal Property		$3,000	x	0	=		0
33. (Lines 28 thru 32)						TOTAL PHASE 45	$0
34. Relocation Sarvices Cost				$0	(Not in Phase Total)		
35.							
36.							
37.					(All Phases)	TOTAL ESTIMATE	$381,300

Real Estate:	Roger D. Patton	Signed:	[signature]	Data:	09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:	[signature] A.J. Thompson	Data:	09/13/21
Relocation:	Roger D. Patton	Signed:	[signature]	Data:	09/13/21
Overall Review:	Alfred J. Thompson	Signed:	[signature] A.J. Thompson	Date:	09/13/21

Cost Estimate Sequence #: Dated: In the Amount of $ Data Input Completion Date:

REMARKS:

This estimate represents the RW costs associated with SMF 500-2.

Administrative Settlement and Litigation Awards have been adjusted to reflect one ownership. Administrative settlement is considered to be zero, while litigation is factored at 45%.

The following indicates the estimator's confidence in tha above estimate:

	Type A - indicates the most confidence
	Type B - indicates above average confidence
x	Typa C - indicates below average confidence
	Type D - indicates the least or no confidence

The following indicates the Department's purpose for this estimate:

Work Program Update: Gaming 1: Special Purpose: x Docs to RW:

Comments:

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10310529-8.18

FM#:	443368-4	Alternate:	SMF 600-1	District:	Seven
County:	Pesco	Segment:	N/A	Dete:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequence	N/A
Project Des.	US 98/SR 35/SR 700 from South of	Old Lakeland Hwy to SR35			

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	0	0
Total Parcels	0	0

Estimated Relocetees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Diract Labor Cost	(Parcels	0	x	20,000 =	Rate)		0
2. Indirect Dverheed	(Parcels	0	x	0 =	Rate)		0
3.						TOTAL PHASE 41	$0

R/W OPS (PHASE 4B)

						Amount
4. Appraisel Fees Through Triel					0 Parcels x 30,000 =	0
5. Business Demege CPA Fees Through Trial					0 Parcels x 19,000 =	0
6. Court Reporter & Process Servers	50%	x	0	0 Parcels x 500 =		0
7. Expert Witness	75%	x	0	0 Parcels 30,000 =		0
8. Mediators	75%	x	0 =	0 Parcels 2,400 =		0
9. Demolition, Asb. Abate., Survey, etc.				0 Improvmet x 15,000 =		0
10. Miscellaneous Contracts				1 Project x 15,000 =		15,000
11. Appraisel Fee Review				0 Parcels x 5,000 =		0
12.					TOTAL PHASE 4B	$15,000

R/W LAND CDSTS (PHASE 43)

						Amount	Subtotel
13. Land, Improvements & Severance Demages and Cost to Cure Amount		0	x	[illegible] * Design plan stage	=	0	
14. Weter Retention & Mit. (1 Pond)		70,281	x	12[illegible] (0 Parcels w/o ROW Acq)		84,300	
15. SUBTDTAL (129,373 SF)				[illegible]s 13 &			84,300
16. Admin. Settlements	(Fector	20%	x	60% of Lin[illegible]	=	10,100	
17. Litigation Awerds	(Factor	45%	x	40% of Line 15)	=	15,200	
18. Business Demages	(Cleims	0	x	0)	=	0	
19. Bus. Demages Incrs.	(Factor	25%	x	$	=	0	
20. Dwner Appr. Fees	(Percels			$15,000)	=	0	
21. Dwner CPA Fees	(Claims	0	x	16,000)	=	0	
22. Defend.Atty Fees	(Sum of Lines 16, 17 & 19)	25,300	x	3%)	=	8,300	
23. Dwner Expert Witness	(Comm.+Unimp.)	0	+	0) x 18,000	=	0	
24. Dther Condemn. Costs		0	x	[illegible]0	=	0	
25. SUBTDTAL				(Lines 16 thru 24)	=		33,600
26.						TOTAL PHASE 43	$117,900

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% [illegible]ans -105% (5) 268 Date -100%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION CDSTS (PHASE 45)

				Number		Amount
	Replacement Housing					
28. Dwner	$35,000	x	0	=	0	
29. Tenent	$25,000	x	0	=	0	
	Move Costs					
30. Residential	$5,000	x	0	=	0	
31. Business/Farm	$40,000	x	0	=	0	
32. Personal Property	$3,000	x	0	=	0	
33. (Lines 28 thru 32)					TOTAL PHASE 45	$0
34. Relocetion Services Cost			$0	(Not in Phese Total)		
35.						
36.						
37.				(All Phases)	TOTAL ESTIMATE	$132,900

Real Estate:	Roger D. Patton	Signed:		Dete: 09/13/21
Bus. Dem. :	Alfred J. Thompson	Signed:		Date: 09/13/21
Relocation:	Roger D. Patton	Signed:	A. J. Thompson	Data: 09/13/21
Overall Review:	Alfred J. Thompson	Signed:	A. J. Thompson	Date: 09/13/21

Cost Estimate Sequence #: Deted: In the Amount of $ Data Input Completion Dete:

REMARKS:

This estimete represents the RW costs associated with SMF 600-1.

The following indicates the estimetor's confidence in the above estimate:

	Type A - indicates the most confidence
	Type B - indicetes above average confidence
x	Type C - indicetes below average confidence
	Type D - indicates the least or no confidence

The following indicates the Department's purpose for this estimate:

Work Program Update: x Gaming 1: Special Purpose: x Docs to RW:

Comments:

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 18316529-8.18

FM#:	443368-4	Alternate:	SMF 600-2	District:	Seven
County:	Pasco	Segment:	N/A	Date:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequenca	N/A
Project Des.	US 98/SR 35/SR 700 from South of Old Lakeland Hwy to SR35				

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	1	1
Total Parcels	1	1

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Direct Labor Cost	(Parcals	1	x	20,000 =	Rate)		20,000
2. Indirect Ovarhaad	(Parcels	1	x	0 =	Rate)		0
3.						TOTAL PHASE 41	$20,000

R/W OPS (PHASE 4B)

						Amount
4. Appraisal Fees Through Trial					arcels x 30,000 =	30,000
5. Business Damage CPA Fees Through Trial					0 ims x 19,000 =	0
6. Court Raporter & Process Servers		50%	x	1	1 Pa x 500 =	500
7. Expert Witness		75%	x	1	Parcels 30,000 =	30,000
8. Mediators		75%	x	1	Parcels 2,400 =	2,400
9. Oemolition, Asb. Abate., Survey, etc.					mprvmet x 15,000 =	0
10. Miscellaneous Contracts					1 oject x 15,000 =	15,000
11. Appraisal Fee Review					0 Par x 5,000 =	0
12.					TOTAL PHASE 4B	$77,900

R/W LAND COSTS (PHASE 43)

							Amount	Subtotal
13. Land, Improvements & Saverance Oamages and Cost to Cure Amount		0	x	% * sign pla stage		=	0	
14. Water Retantion & Mit. (1 Pond)		103,434	x	% (0 rcels w/o W Acq)		=	124,100	
15. SUBTOTAL (131,987 SF)				es 13)				124,100
16. Admin. Sattlemants	(Factor	20%	x	0% of Li		=	0	
17. Litigation Awards	(Factor	45%	x	100% of Line 15)		=	55,800	
18. Business Oamagas	(Claims	0	x	0)		=	0	
19. Bus. Oamages Incrs.	(Factor	25%	x	$		=	0	
20. Ownar Appr. Faes	(Parcels			$15,000		=	15,000	
21. Owner CPA Fees	(Claims	0	x	$16,000)		=	0	
22. Oefend.Atty Fees	(Sum of Lines 16, 17 & 19)	55,800	x	33%)		=	18,400	
23. Owner Expert Witness	(Comm.+Unimp.)	0	+	1) x	18,000	=	18,000	
24. Other Condamn. Costs		1	x	00		=	1,000	
25. SUBTOTAL					(Lines 16 thru 24)	=		108,200
26.						TOTAL PHASE 43		$232,300

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% lans -105% (5) 268 Date -100%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

				Number		Amount
	Replacement Housing					
28. Owner	$35,000	x	0	=	0	
29. Tenant	$25,000	x	0	=	0	
	Move Costs					
30. Residential	$5,000	x	0	=	0	
31. Businass/Farm	$40,000	x	0	=	0	
32. Personal Property	$3,000	x	0	=	0	
33. (Linas 28 thru 32)						
34. Relocation Services Cost			$0	(Not in Phase Total)	TOTAL PHASE 45	$0
35.						
36.						
37.				(All Phases)	TOTAL ESTIMATE	$330,200

Real Estate:	Roger O. Patton	Signed:		Date: 09/13/21
Bus. Oam. :	Alfred J. Thompson	Signed:	A.J. Thompson	Oata: 09/13/21
Relocation:	Roger D. Patton	Signed:		Oate: 09/13/21
Overall Review:	Alfred J. Thompson	Signed:	A.J. Thompson	Oate: 09/13/21

Cost Estimate Sequence #: Oatad: In the Amount of $ Oata Input Completion Data:

REMARKS:

This estimate represents the RW costs associated with SMF 600-2.

Administrative Settlement and Litigation Awards have been adjusted to reflact one ownership. Administrative settlement is considered to be zero, while litigation is factored at 45%.

The following indicates the estimator's confidence in the above estimate:

- ____ Type A - indicates the most confidence
- ____ Type B - indicates above average confidence
- x Type C - indicates below average confidence
- ____ Type O - indicates tha least or no confidence

The following indicates the Oepartment's purpose for this estimate:

Work Program Update: ____ Gaming 1: ____ Special Purpose: x Oocs to RW: ____

Comments: ____

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10310529-0.18

FM#:	443368-4	Alternate:	SMF 700-1	District:	Seven
County:	Pasco	Segment:	N/A	Date:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequence	N/A
Project Des.	US 98/SR 35/SR 700 from South of Old Lakeland Hwy to SR35				

Parcels	Gross	Net
Commercial	0	0
Residential	1	1
Unimproved	0	0
Total Parcels	1	1

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Diract Labor Cost	(Parcels	1	x	20,000 =	Rate)		20,000
2. Indirect Overhead	(Parcals	1	x	0 =	Rate)		0
3.						TOTAL PHASE 41	$20,000

R/W OPS (PHASE 4B)

						Amount
4. Appraisal Fees Through Trial				1	Parcels x 30,000 =	30,000
5. Business Damage CPA Fees Through Trial				0	Parcels x 19,000 =	0
6. Court Reporter & Procass Servers	50%	x	1	1	Parcels x 500 =	500
7. Expert Witness	75%	x	1	1	Parcels 30,000 =	30,000
8. Mediators	75%	x	1 =		Parcals x 2,400 =	2,400
9. Demolition, Asb. Abate., Survay, etc.					Improvmet x 15,000 =	0
10. Miscellaneous Contracts				1	Project x 15,000 =	15,000
11. Appraisal Fee Review				0	Parcels x 5,000 =	0
12.					TOTAL PHASE 4B	$77,900

R/W LAND COSTS (PHASE 43)

							Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	1	* Design plan stage	=	0	
14. Water Ratention & Mit. (1 Pond)		160,207	x	120%	(0 Parcels w/o R/W Acq)		192,200	
15. SUBTOTAL (110,207 SF)					(Lines 13 & 14)			192,200
16. Admin. Settlements	(Factor	20%	x	0%	of Line 15)	=	0	
17. Litigation Awards	(Factor	45%	x	100%	of Line 15)	=	86,500	
18. Business Damages	(Claims	0	x	0	)	=	0	
19. Bus. Damages Incrs.	(Factor	25%	x	$	)	=	0	
20. Owner Appr. Fees	(Parcels			$15,000	)	=	15,000	
21. Owner CPA Fees	(Claims	0	x	6,000	)	=	0	
22. Defend.Atty Fees	(Sum of Lines 16, 17 & 19)	86,500	x	33%	)	=	28,500	
23. Owner Expert Witness	(Comm.+Unimp.)	0	+	0	) x 18,000	=	0	
24. Other Condemn. Costs		1	x	$ 0		=	1,000	
25. SUBTOTAL					(Lines 16 thru 24)	=		131,000
26.						TOTAL PHASE 43		$323,200

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% (4) 90% plans -105% (5) 268 Date -100%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

					Number		Amount
	Replacement Housing						
28. Owner		$35,000	x	0	=		0
29. Tenant		$25,000	x	0	=		0
	Move Costs						
30. Residential		$5,000	x	0	=		0
31. Businass/Farm		$40,000	x	0	=		0
32. Parsonal Property		$3,000	x	0	=		0
33. (Lines 28 thru 32)						TOTAL PHASE 45	$0
34. Relocation Services Cost				$0	(Not in Phase Total)		
35.							
36.							
37.					(All Phases)	TOTAL ESTIMATE	$421,100

Real Estate:	Roger D. Patton	Signed:		Date: 09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:	A. J. Thompson	Date: 09/13/21
Relocation:	Roger D. Patton	Signed:		Date: 09/13/21
Overall Review:	Alfred J. Thompson	Signed:	A. J. Thompson	Date: 09/13/21

Cost Estimate Sequence #: Dated: In the Amount of $ Data Input Completion Date:

REMARKS:

This estimate represents the RW costs associated with SMF 700-1.

Administrative Settlement and Litigation Awards have been adjusted to reflect one ownership. Administrative settlement is considered to be zero, while litigation is factored at 45%.

The following indicates the estimator's confidence in the above estimate:

	Type A - indicates tha most confidence
	Type B - indicates above average confidence
x	Type C - indicates below average confidance
	Type D - indicates the least or no confidence

The following indicates the Department's purpose for this estimate:

Work Program Update: Gaming 1: Special Purpose: x Docs to RW:

Comments:

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10316529-8.18

FM#:	443368-4	Alternate:	SMF 700-2	District:	Seven
County:	Pasco	Segment:	N/A	Date:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Saquanca	N/A
Project Des.	US 98/SR 35/SR 700 from South of Old Lakeland Hwy to SR35				

Parcels	Gross	Net
Commercial	0	0
Residential	1	1
Unimproved	0	0
Total Parcels	1	1

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Direct Labor Cost	(Parcels	1	x	20,000 =	Rate)		20,000
2. Indirect Overhead	(Parcels	1	x	0 =	Rate)		0
3.						TOTAL PHASE 41	$20,000

R/W OPS (PHASE 4B)

						Amount
4. Appraisal Fees Through Trial					Parcels x 30,000 =	30,000
5. Business Damage CPA Fees Through Trial					0 ims x 19,000 =	0
6. Court Reporter & Process Servers	50%	x	1		1 Pa x 500 =	500
7. Expert Witness	75%	x	1		1 Parcels 30,000 =	30,000
8. Mediators	75%	x	1		Parcels 2,400 =	2,400
9. Demolition, Asb. Abate., Survay, etc.					Imprvmat x 15,000 =	0
10. Miscellaneous Contracts					1 roject x 15,000 =	15,000
11. Appraisal Fee Review					0 Par x 5,000 =	0
12.					TOTAL PHASE 4B	$77,900

R/W LAND COSTS (PHASE 43)

							Amount	Subtotal
13. Land, Improvements & Savaranca Damages and Cost to Cure Amount		0	x	% * sign plan stage	=		0	
14. Water Retention & Mit. (1 Pond)		110,823	x	1 % (0 cels w/o W Acq)	=		133,000	
15. SUBTOTAL (121,097 SF)				es 13 &				133,000
16. Admin. Settlements	(Factor	20%	x	60% of Li	=		16,000	
17. Litigation Awards	(Factor	45%	x	40% of Line 15)	=		23,900	
18. Business Damages	(Claims	0	x	0)	=		0	
19. Bus. Damages Incrs.	(Factor	25%	x	$)	=		0	
20. Owner Appr. Fees	(Parcels			$15,000)	=		15,000	
21. Owner CPA Fees	(Claims	0	x	$16,000)	=		0	
22. Defend.Atty Fees	(Sum of Lines 16, 17 & 19)	39,900	x	33%)	=		13,200	
23. Owner Expert Witness	(Comm.+Unimp.)	0	+	0) x	18,000	=	0	
24. Other Condemn. Costs		1	x	00		=	1,000	
25. SUBTOTAL					(Lines 16 thru 24)	=		69,100
26.						TOTAL PHASE 43		$202,100

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% ans -105% (5) 268 Date -100%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

					Number		Amount
	Replacemant Housing						
28. Owner		$35,000	x	0	=		0
29. Tenant		$25,000	x	0	=		0
	Move Costs						
30. Residential		$5,000	x	0	=		0
31. Business/Farm		$40,000	x	0	=		0
32. Personal Property		$3,000	x	0	=		0
33. (Lines 28 thru 32)							
34. Relocation Services Cost				$0	(Not in Phase Total)	TOTAL PHASE 45	$0
35.							
36.							
37.					(All Phases)	TOTAL ESTIMATE	$300,000

Real Estate:	Roger D. Patton	Signed:		Date: 09/13/21
Bus. Dam.:	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21
Relocation:	Roger D. Patton	Signed:		Date: 09/13/21
Overall Review:	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21

Cost Estimate Sequence #: Dated: In the Amount of $ Data Input Completion Date:

REMARKS:

This estimate represents the RW costs associated with SMF 700-2.

The following indicatas tha estimator's confidance in the above estimate:

- ____ Type A - indicates tha most confidence
- ____ Type B - indicates above average confidence
- x Typa C - indicates below average confidence
- ____ Type D - indicates the least or no confidence

The following indicates the Department's purpose for this estimate:

Work Program Updata: ____ Gaming 1: ____ Special Purpose: x Docs to RW: ____

Comments: ____

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10310529-8.18

FM#:	443368-4	Alternate:	SMF 800-1	District:	Seven
County:	Pasco	Segment:	N/A	Date:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequanca	N/A
Project Des.	US 98/SR 35/SR 700 from South of	Old Lakeland Hwy to SR35			

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	0	0
Total Parcels	0	0

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT COSTS (PHASE 41)

								Amount
1. Diract Labor Cost	(Parcels	0	x	20,000 =	Rate)			0
2. Indirect Overhead	(Parcels	0	x	0 =	Rata)			0
3.							TOTAL PHASE 41	$0

R/W OPS (PHASE 4B)

						Amount
4. Appraisal Fees Through Trial				0	rcals x 30,000 =	0
5. Business Damage CPA Fees Through Trial				0	x 19,000 =	0
6. Court Reporter & Procass Servars	50%	x	0	0	Parcels x 500 =	0
7. Expart Witness	75%	x	0	0	Parcels 30,000 =	0
8. Mediators	75%	x	0 =		Parcals 2,400 =	0
9. Demolition, Asb. Abate., Survey, etc.				0	nprvmet x 15,000 =	0
10. Miscellaneous Contracts				1	ject x 15,000 =	15,000
11. Appraisal Fee Review				0	Parce x 5,000 =	0
12.					TOTAL PHASE 4B	$15,000

R/W LAND CDSTS (PHASE 43)

						Amount	Subtotal
13. Land, Improvaments & Saveranca Damagas and Cost to Cure Amount		0	x	1 *	sign plan stage =	0	
14. Water Retantion & Mit. (1 Pond)		103,548	x	12	(0 cels w/o W Acq)	124,300	
15. SUBTDTAL (238,709 SF)					13.8		124,300
16. Admin. Sattlements	(Factor	20%	x		60% of Line =	14,900	
17. Litigation Awards	(Factor	45%	x		40% of Lina 15) =	22,400	
18. Business Damages	(Claims	0	x		0) =	0	
19. Bus. Damages Incrs.	(Factor	25%	x	$	=	0	
20. Dwnar Appr. Fees	(Parcels				$15,000) =	0	
21. Dwner CPA Fees	(Claims			0	x 16,000) =	0	
22. Defend.Atty Fees	(Sum of Lines 16, 17 & 19)	37,300	x		3%) =	12,300	
23. Dwner Expert Witness	(Comm.+Unimp.)	0	+		0) x 18,000 =	0	
24. Dther Condemn. Costs		0	x	$	0 =	0	
25. SUBTDTAL					(Lines 16 thru 24) =		49,600
26.						TOTAL PHASE 43	$173,900

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% ans -105% (5) 268 Date -100%

R/W ACQUISITIDN CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION CDSTS (PHASE 45)

	Replacament Housing			Number		Amount
28. Dwner		$35,000	x	0	=	0
29. Tenant		$25,000	x	0	=	0
	Move Costs					
30. Residential		$5,000	x	0	=	0
31. Business/Farm		$40,000	x	0	=	0
32. Personal Property		$3,000	x	0	=	0
33. (Lines 28 thru 32)						TOTAL PHASE 45 $0
34. Relocation Servicas Cost				$0	(Not in Phase Total)	
35.						
36.						
37.					(All Phases)	TOTAL ESTIMATE $188,900

Real Estate:	Roger D. Patton	Signed:		Data: 09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:	A.J. Thompson	Data: 09/13/21
Relocation:	Roger D. Patton	Signed:		Date: 09/13/21
Overall Raview:	Alfred J. Thompson	Signed:	A.J. Thompson	Data: 09/13/21

Cost Estimate Sequence #: Dated: In the Amount of $ Data Input Completion Date:

REMARKS:

This estimata represents the RW costs associated with SMF 800-1.

The following indicates the estimator's confidence in the above estimate:

- ____ Type A - indicates tha most confidence
- ____ Typa B - indicates above average confidence
- x Type C - indicates below average confidence
- ____ Type D - indicatas the least or no confidence

The following indicates the Department's purpose for this estimate:

Work Program Update: ____ Gaming 1: ____ Special Purpose: x Docs to RW: ____

Comments: ____

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10310529-8.18

FM#:	443368-4	Altarnata:	SMF 800-2	District:	Seven
County:	Pasco	Sagment:	N/A	Data:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequanca	N/A
Project Des.	US 98/SR 35/SR 700 from South of Old Lakeland Hwy to SR35				

Parcels	Gross	Nat
Commercial	0	0
Residential	0	0
Unimproved	0	0
Total Parcals	0	0

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Ralocataes	0

R/W SUPPDRT COSTS (PHASE 41)

							Amouat
1. Direct Labor Cost	(Parcals	0	x	20,000 =	Rata)		0
2. Indirect Overhaad	(Parcals	0	x	0 =	Rate)		0
3.						TOTAL PHASE 41	$0

R/W OPS (PHASE 4B)

						Amount
4. Appraisal Fees Through Trial					Parcels x 30,000 =	0
5. Businass Damage CPA Fees Through Trial					0 ims x 19,000 =	0
6. Court Raporter & Process Servars		50%	x	0	0 Pa x 500 =	0
7. Expart Witness		75%	x	0	Parcels 30,000 =	0
8. Mediators		75%	x	0	Parcels 2,400 =	0
9. Demolition, Asb. Abate., Survey, etc.					Improvmet x 15,000 =	0
10. Miscellaneous Contracts					1 iect x 15,000 =	15,000
11. Appraisal Fea Raview					0 Parc x 5,000 =	0
12.					TOTAL PHASE 4B	$15,000

R/W LAND COSTS (PHASE 43)

							Amount	Subtotal
13. Land, Improvaments & Severance Damages and Cost to Cure Amount		0	x	% * sign plan stage		=	0	
14. Water Retantion & Mit. (1 Pond)		122,217	x	% (0 rcels w/o W Acq)			146,700	
15. SUBTOTAL (250,906 SF)				as 13				146,700
16. Admin. Sattlemants	(Factor	20%	x	60% of Li		=	17,600	
17. Litigation Awards	(Factor	45%	x	40% of Line 15)		=	26,400	
18. Business Damagas	(Claims	0	x	0)		=	0	
19. Bus. Damages Incrs.	(Factor	25%	x	$		=	0	
20. Ownar Appr. Faes	(Parcels			$15,000)		=	0	
21. Owner CPA Fees	(Claims	0	x	$16,000)		=	0	
22. Defend.Atty Fees	(Sum of Lines 16, 17 & 19)	44,000	x	33%)		=	14,500	
23. Owner Expert Witness	(Comm.+Unimp.)	0	+	0) x	18,000	=	0	
24. Othar Condemn. Costs		0	x	00		=	0	
25. SUBTOTAL					(Lines 16 thru 24)	=		58,500
26.							TOTAL PHASE 43	$205,200

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% lans -105% (5) 268 Date -100%

R/W ACQUISITIDN CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

				Number		Amount
	Replacement Housing					
28. Owner		$35,000	x	0	=	0
29. Tenant		$25,000	x	0	=	0
	Move Costs					
30. Residential		$5,000	x	0	=	0
31. Business/Farm		$40,000	x	0	=	0
32. Personal Proparty		$3,000	x	0	=	0
33. (Lines 28 thru 32)						
34. Relocation Services Cost				$0	(Not in Phasa Total)	TOTAL PHASE 45 $0
35.						
36.						
37.					(All Phases)	TOTAL ESTIMATE $220,200

Real Estate:	Roger D. Patton	Signed:		Data: 09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21
Relocation:	Roger D. Patton	Signed:		Data: 09/13/21
Overall Reviaw:	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21

Cost Estimata Sequence #: Dated: In the Amount of $ Data Input Completion Data:

REMARKS:

This estimate represents the RW costs associated with SMF 800-2.

The following indicatas the astimator's confidence in the above estimate:

- ____ Type A - indicatas the most confidence
- ____ Type B - indicates above average confidenca
- x Type C - indicates below average confidence
- ____ Typa D - indicates the least or no confidence

The following indicates the Department's purpose for this estimate:

Work Program Update: ____ Gaming 1: ____ Special Purpose: x Docs to RW: ____

Comments: ____

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10316529-8.18

FM#:	443368-4	Alternate:	SMF 900-1	District:	Seven
County:	Pasco	Segment:	N/A	Date:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequence	N/A
Project Des.	US 98/SR 35/SR 700 from South of Old Lakeland Hwy to SR35				

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	0	0
Total Parcels	0	0

Estimated Relocatees:	
Business	0
Residential	1
Signs	0
Special	0
Total Relocatees	1

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Direct Labor Cost	(Parcels	0	x	20,000 =	Rate)		0
2. Indirect Overhead	(Parcels	0	x	0 =	Rate)		0
3.						TOTAL PHASE 41	$0

R/W OPS (PHASE 4B)

							Amount
4. Appraisal Fees Through Triel					0	Parcels x 30,000 =	0
5. Business Demage CPA Fees Through Triel					0	ims x 19,000 =	0
6. Court Reporter & Process Servers	50%	x	0		0	Pa x 500 =	0
7. Expert Witness	75%	x	0		0	Parcels 30,000 =	0
8. Mediators	75%	x	0	=	0	Parcels 2,400 =	0
9. Demolition, Asb. Abate., Survey, etc.					3	Imprvmet x 15,000 =	45,000
10. Miscellaneous Contracts					1	roject x 15,000 =	15,000
11. Appreisal Fee Review					0	Par x 5,000 =	0
12.						TOTAL PHASE 4B	$60,000

R/W LAND COSTS (PHASE 43)

						Amount	Subtotal
13. Land, Improvements & Severance Dameges and Cost to Cure Amount		0	x	% * (sign plan stage	=	0	
14. Water Retention & Mit. (1 Pond)		192,897	x	12 % (0 Parcels w/o R/W Acq)	=	231,500	
15. SUBTOTAL (571,942 SF)				es 13 &			231,500
16. Admin. Settlements	(Fector	20%	x	60% of Li	=	27,800	
17. Litigation Awards	(Factor	45%	x	40% of Line 15)	=	41,700	
18. Business Demeges	(Cleims	0	x	0)	=	0	
19. Bus. Dameges Incrs.	(Fector	25%	x	$	=	0	
20. Owner Appr. Fees	(Parcels			$15,000)	=	0	
21. Owner CPA Fees	(Claims	0	x	$16,000)	=	0	
22. Defend.Atty Fees	(Sum of Lines 16, 17 & 19)	69,500	x	33%)	=	22,900	
23. Owner Expert Witness	(Comm.+Unimp.)	0	+	0) x 18,000	=	0	
24. Other Condemn. Costs		0	x	00	=	0	
25. SUBTOTAL				(Lines 16 thru 24)	=		$2,400
26.						TOTAL PHASE 43	$323,900

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% (4) 90% plans -105% (5) 268 Date -100%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

					Number		Amount
	Replacement Housing						
28. Owner		$35,000	x	1	=		35,000
29. Tenant		$25,000	x	0	=		0
	Move Costs						
30. Residential		$5,000	x	1	=		5,000
31. Business/Farm		$40,000	x	0	=		0
32. Personel Property		$3,000	x	0	=		0
33. (Lines 28 thru 32)						TOTAL PHASE 45	$40,000
34. Relocation Services Cost				$4,000	(Not in Phese Total)		
35.							
36.							
37.					(All Phases)	TOTAL ESTIMATE	$423,900

Real Estate:	Roger D. Patton	Signed:		Date: 09/13/21
Bus. Dem. :	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21
Relocation:	Roger D. Patton	Signed:		Date: 09/13/21
Overall Review:	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21

Cost Estimate Sequence #: Dated: In the Amount of $ Deta Input Completion Date:

REMARKS:

This estimete represents the RW costs associeted with SMF 900-1.

Costs reflect remeinder velues after the meinline impacts.

The following indicates the estimetor's confidence in the above estimate:

	Type A - indicates the most confidence
	Type B - indicetes above average confidence
x	Type C - indicetes below average confidence
	Type D - indicetes the least or no confidence

The following indicates the Department's purpose for this estimate:

Work Program Update: _____ Gaming 1: _____ Special Purpose: x Docs to RW: _____

Comments: _____

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10316529-8.18

FM#:	443368-4	Alternate:	SMF 900-2	District:	Seven
County:	Pasco	Segment:	N/A	Date:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequence	N/A
Project Des.	US 98/SR 35/SR 700 from South of Old Lakeland Hwy to SR35				

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	1	1
Total Parcels	1	1

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT CDSTS (PHASE 41)

							Amount
1. Direct Labor Cost	(Parcels	1	x	20,000 =	Rate)		20,000
2. Indirect Dverhead	(Parcels	1	x	0 =	Rate)		0
3.						TOTAL PHASE 41	$20,000

R/W OPS (PHASE 4B)

						Amount
4. Appraisal Fees Through Trial						
5. Business Damage CPA Fees Through Trial						
6. Court Raporter & Process Servers	50%	x	1	1	Parcels x 30,000 =	30,000
7. Expert Witness	75%	x	1	0	ims x 19,000 =	0
8. Mediators	75%	x	1	1	Pa... x 500 =	500
9. Demolition, Asb. Abate., Survey, etc.					Parcels 30,000 =	30,000
10. Miscellaneous Contracts					Parcels 2,400 =	2,400
11. Appraisal Fee Raview					...prvmet x 15,000 =	0
12.				1	...niect x 15,000 =	15,000
				0	Parc... x 5,000 =	0
					TOTAL PHASE 4B	$77,900

R/W LAND CDSTS (PHASE 43)

							Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	...%	* ...sign plan...tage	=	0	
14. Water Retention & Mit. (1 Pond)		197,878	x	12...%	(0 ...cals w/o ...N Acq)	=	237,500	
15. SUBTDTAL (564,973 SF)					...es 13 8...			237,500
16. Admin. Settlements	(Factor	20%	x	60% of Li...		=	28,500	
17. Litigation Awards	(Factor	45%	x	40% of Line 15)		=	42,800	
18. Business Damages	(Claims	0	x	0)		=	0	
19. Bus. Damages Incrs.	(Factor	25%	x	$		=	0	
20. Owner Appr. Fees	(Parcels			$15,000)		=	15,000	
21. Dwnar CPA Fees	(Claims	0	x	$16,000)		=	0	
22. Defend.Atty Faes	(Sum of Lines 16, 17 & 19)	71,300	x	...3%)		=	23,500	
23. Dwner Expert Witness	(Comm.+Unimp.)	0	+	1) x	18,000	=	18,000	
24. Other Condemn. Costs		1	x	$...00		=	1,000	
25. SUBTDTAL					(Lines 16 thru 24)	=		128,800
26.							TOTAL PHASE 43	$366,300

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% ...ans -105% (5) 268 Date -100%

R/W ACQUISITIDN CDNSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION CDSTS (PHASE 45)

					Number		Amount
	Replacement Housing						
28. Owner		$35,000	x	0	=		0
29. Tanant		$25,000	x	0	=		0
	Move Costs						
30. Residential		$5,000	x	0	=		0
31. Business/Farm		$40,000	x	0	=		0
32. Parsonal Property		$3,000	x	0	=		0
33. (Lines 28 thru 32)						TOTAL PHASE 45	$0
34. Relocation Services Cost				$0	(Not in Phase Total)		
35.							
36.							
37.					(All Phases)	TOTAL ESTIMATE	$464,200

Real Estate:	Roger D. Patton	Signed:		Date: 09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:	A. J. Thompson	Date: 09/13/21
Relocation:	Roger D. Patton	Signed:		Date: 09/13/21
Overall Review:	Alfred J. Thompson	Signed:	A. J. Thompson	Date: 09/13/21

Cost Estimate Sequence #: Dated: In the Amount of $ Data Input Completion Date:

REMARKS:

This estimata represents the RW costs associated with SMF 900-2.

The following indicates the astimator's confidence in the above estimate:

- ____ Typa A - indicates the most confidence
- ____ Type B - indicatas above avarage confidence
- x Type C - indicatas below average confidence
- ____ Type D - indicates the least or no confidence

The following indicates the Department's purposa for this estimate:

Work Program Update: ____ Gaming 1: ____ Special Purpose: x Docs to RW: ____

Comments: ____

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10318529-9.18

FM#:	443368-3	Alternate:	FPC 300 N-01	District:	Seven
County:	Pasco	Segment:	N/A	Date:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Saquence	N/A
Project Des.	US 98/SR 35/SR 700 from Polk Co Line to Old Lakeland Hwy				

Parcels	Gross	Net
Commercial	0	0
Residential	1	1
Uoimproved	0	0
Total Parcels	1	1

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocataas	0

R/W SUPPORT COSTS (PHASE 41)

								Amount
1. Direct Labor Cost	(Parcals	1	x	20,000	=	Rata)		20,000
2. Indirect Overhead	(Parcels	1	x	0	=	Rata)		0
3.							TOTAL PHASE 41	$20,000

R/W OPS (PHASE 4B)

								Amount
4. Appraisal Faes Through Trial						1	Parcels x 30,000 =	30,000
5. Businass Damaga CPA Faes Through Trial						0	s x 19,000 =	0
6. Court Reportar & Procass Servars		50%	x	1		1	Par x 500 =	500
7. Expert Witnass		75%	x	1		1	Parcels 30,000 =	30,000
8. Mediators		75%	x	1	=		Parcals 2,400 =	2,400
9. Demolition, Asb. Abate., Survey, etc.							nprvmat x 15,000 =	0
10. Miscellaneous Contracts						1	iect x 15,000 =	15,000
11. Appraisal Fee Review						0	Parc x 5,000 =	0
12.							TOTAL PHASE 4B	$77,900

R/W LAND CDSTS (PHASE 43)

							Amount	Subtotal
13. Land, Improvamaots & Savarance Damagas and Cost to Cura Amount		0	x	1	* Design plan stage	=	0	
14. Water Ratention & Mit. (0 Ponds)		193,592	x	12	(0 Parcels w/o ROW Acq)	=	232,300	
15. SUBTDTAL (444,312 SF)					s 13 &			232,300
16. Admin. Settlemants	(Factor	20%	x	0%	of Line	=	0	
17. Litigation Awards	(Factor	45%	x	100%	of Line 15)	=	104,500	
18. Business Damagas	(Claims	0	x	0	)	=	0	
19. Bus. Damages Incrs.	(Factor	25%	x	$		=	0	
20. Dwner Appr. Fees	(Parcels			$15,000	)	=	15,000	
21. Dwner CPA Fees	(Claims	0	x	16,000	)	=	0	
22. Defend.Atty Fees	(Sum of Lines 16, 17 & 19)	34,500	x	3%	)	=	34,500	
23. Dwner Expart Witness	(Comm.+Unimp.)	0	+	0	) x 18,000	=	0	
24. Dthar Condemn. Costs		1	x	$ 0		=	1,000	
25. SUBTDTAL					(Lines 16 thru 24)	=		155,000
26.							TOTAL PHASE 43	$387,300

* *Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% ans -105% (5) 268 Date -100%

R/W ACQUISITIDN CDNSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0		TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

						Numbar		Amount
	Replacament Housing							
28. Dwner		$35,000	x	0	=	0		
29. Tenant		$25,000	x	0	=	0		
	Move Costs							
30. Rasidential		$5,000	x	0	=	0		
31. Business/Farm		$40,000	x	0	=	0		
32. Parsonal Property		$3,000	x	0	=	0		
33. (Lines 28 thru 32)							TOTAL PHASE 45	$0
34. Relocation Services Cost				$0	(Not in Phase Total)			
35.								
36.								
37.						(All Phases)	TOTAL ESTIMATE	$485,200

Real Estate:	Roger D. Patton	Signed:		Date: 09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21
Relocation:	Roger D. Patton	Signed:		Date: 09/13/21
Overall Review:	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21

Cost Estimate Sequence #: Dated: In the Amount of $ Data Input Completion Date:

REMARKS:

This estimate represents the RW costs associated with FPC 300 -North 01.

Administrative Settlement and Litigation Awards hava been adjusted to reflect one ownership. Administrative settlament is considered to be zero, whila litigation is factored at 45%.

The following indicates the estimator's confidence in the above estimate:

	Typa A - indicatas the most confidence
	Type B - indicates above average confidence
x	Type C - indicatas below average confidenca
	Type D - indicates the least or no confidence

The following indicates the Department's purpose for this estimate:

Work Program Update: Gaming 1: Special Purpose: x Docs to RW:

Comments:

Draft

FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE

HDR#: 10310529-8.18

FM#:	443368-3	Alternate:	FPC 300 N-02	District:	Seven
County:	Pasco	Segment:	N/A	Date:	31-Aug-21
State Rd.:	SR 35/SR 700	FAP#:	N/A	C.E. Sequence	N/A
Project Des.	US 98/SR 35/SR 700 from Polk Co Line to Old Lakeland Hwy				

Parcels	Gross	Net
Commercial	0	0
Residential	2	2
Unimproved	0	0
Total Parcels	2	2

Estimated Relocatees:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocatees	0

R/W SUPPORT COSTS (PHASE 41)

							Amount
1. Direct Labor Cost	(Parcels	2	x	20,000	=	Rate)	40,000
2. Indirect Overhead	(Parcels	2	x	0	=	Rate)	0
3.							
						TOTAL PHASE 41	$40,000

R/W OPS (PHASE 4B)

							Amount
4. Appraisal Fees Through Trial					2	Parcels x 30,000 =	60,000
5. Business Damage CPA Fees Through Trial					0	x 19,000 =	0
6. Court Reporter & Process Servers		50%	x	2	1	x 500 =	500
7. Expert Witness		75%	x	2	2	Parcels x 30,000 =	60,000
8. Mediators		75%	x	2	2	Parcels x 2,400 =	4,800
9. Demolition, Asb. Abata., Survey, etc.						x 15,000 =	0
10. Miscellaneous Contracts						x 15,000 =	15,000
11. Appraisal Fee Review					1	Parcel x 5,000 =	5,000
12.							
						TOTAL PHASE 4B	$145,300

R/W LAND COSTS (PHASE 43)

						Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount		15,000	x	12	* Design plan stage =	18,000	
14. Water Retention & Mit. (0 Ponds)		190,934	x	120	(0 Parcels w/o R/W Acq) =	229,100	
15. SUBTOTAL (388,991 SF)					(Lines 13 &14)		247,100
16. Admin. Sattlaments	(Factor	20%	x	60%	of Line =	29,700	
17. Litigation Awards	(Factor	45%	x	40%	of Line 15) =	44,500	
18. Business Damages	(Claims	0	x	0	) =	0	
19. Bus. Damages Incrs.	(Factor	25%	x	$	) =	0	
20. Owner Appr. Fees	(Parcels			$15,000	) =	30,000	
21. Owner CPA Fees	(Claims	0	x	6,000	) =	0	
22. Oefand.Atty Fees	(Sum of Lines 16, 17 & 19)	4,200	x	%	) =	24,500	
23. Owner Expert Witness	(Comm.+Unimp.)	0	+		) x 18,000 =	0	
24. Other Condemn. Costs		2	x	$1	=	2,000	
25. SUBTOTAL					(Lines 16 thru 24) =		130,700
26.						TOTAL PHASE 43	$377,800

** Design contingency for design plan stage:*
(1) PD&E plans - 120% (2) 30% plans - 115% (3) 60% plans - 110% (4) 90% plans -105% (5) 268 Date -100%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant-50% of parcels	$20,000	x	0	TOTAL PHASE 42	$0

RELOCATION COSTS (PHASE 45)

	Replacement Housing			Number		Amount
28. Owner		$35,000	x	0	=	0
29. Tenant		$25,000	x	0	=	0
	Move Costs					
30. Residential		$5,000	x	0	=	0
31. Business/Farm		$40,000	x	0	=	0
32. Personal Property		$3,000	x	0	=	0
33. (Lines 28 thru 32)						
					TOTAL PHASE 45	$0
34. Relocation Services Cost				$0	(Not in Phase Total)	

35.		
36.		
37.	(All Phases)	TOTAL ESTIMATE $563,100

Real Estate:	Roger D. Patton	Signed:		Date: 09/13/21
Bus. Dam. :	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21
Relocation:	Roger D. Patton	Signed:		Date: 09/13/21
Overall Review:	Alfred J. Thompson	Signed:	A.J. Thompson	Date: 09/13/21

Cost Estimate Sequence #: Oated: In the Amount of $ Data Input Completion Oate:

REMARKS:

This estimate represents the RW costs associated with FPC 300 -North 02.

The esitimate assumes the ingress easement on adjoinging parcel to the FPC, will be for access only and assumes no disturbance to site improvemants including the traes.

The following indicates the estimator's confidence in the above estimate:

	Type A - indicates the most confidence
	Type B - indicates above average confidence
x	Type C - indicates below average confidence
	Type D - indicates the least or no confidence

The following indicates the Department's purpose for this estimate:

Work Program Update: Gaming 1: Special Purpose: x Oocs to RW:

Comments:

Draft

APPENDIX 24
Field Visit Notes

Draft

FIELD SITE PHOTOS

CROSS DRAIN SITE PHOTOS:

1. CD-01 (Station 963+10)

Cattle Crossing, Right side.

Cattle Crossing, Left side.

Draft

2. CD-02 (Station 1111+04)

Cross drain, Right side.

Cross drain, Left side.

Draft

3. CD-03 (Station 1130+00)

Cattle Crossing, Right side.

Cattle Crossing, Left side.

Draft

4. CD-04 (Station 1139+03)

Cross drain, Right side.

Cross drain, Left side.

Draft

5. CD-05 (Station 1236+01)

Cross drain, Right side.

Cross drain, Left side.

Draft

6. CD-07 (Station 1360+28)

)

Cross drain, Right side.

Cross drain, Left side.

Draft

7. CD-08 (Station 1390+29)

Cross drain inlets, looking south.

8. CD-09 (Station 1393+22)

Cross drain inlets, looking south.

Draft

BRIDGE SITE PHOTOS:

1. BR-01 (Station 1018+44)

Bridge, Right side.

Bridge, Left side.

Draft

2. BR-02 (Station 1203+78)

Bridge, Left side.

Bridge, Right side.

Draft

APPROXIMATE PROPOSED POND SITE LOCATION PHOTOS:

1. **SMF 200-1**

2. **SMF 200-2**

Draft

3. **SMF 300-1**

4. **FPC 300-South-02**

Draft

5. **SMF 400-1**

6. **SMF 400-2**

Draft

7. **SMF 500-1**

8. **SMF 500-2**

Draft

9. **SMF 600-1**

10. **SMF 600-2**

Draft

11. SMF 700-1

12. SMF 700-2

Draft

13. SMF 800-2

14. SMF 900-1

Draft