PRELIMINARY DESIGN - DRAFT

STORMWATER REPORT

FOR THE

TOWN OF LONGBOAT KEY

BAYVIEW, DE NARVAEZ, JUAN ANASCO

SLEEPY LAGOOD STORMWATER IMPROVEMENTS

AUGUST 2025

Prepared By:

INFRASTRUCTURE SOLUTION SERVICES

An HR Green Company

Infrastructure Solution Services, LLC (an HR Green Company)

7319 Merchant Court

Sarasota, FL 34240

Certificate of Authorization # 29992

Prepared For:

Town of Longboat Key

600 General Harris Street

Longboat Key, FL 34228

"This is to certify to the best of my belief and knowledge that the contents of this stormwater report represent sound engineering principles."

Project: Bayview Drive, De Narvaez Drive, and Juan Anasco Drive Stormwater Improvements

Limits: From Gulf D[illegible]e to the end of Bayview, De Narvaez, and Juan Anasco

Devyn M. Brown, P.E.
#68380

Date

DEVYN M. BROWN, P.E. STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 68380; THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DEVYN M. BROWN, P.E. 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.

Infrastructure Solution Services, LLC (an HR Green Company)
Florida Engineering Business No. 29992
7319 Merchant Court
Sarasota, FL 34240

STORMWATER REPORT

FOR THE

TOWN OF LONGBOAT KEY SLEEPY LAGOON
BAYVIEW, DE NARVAEZ, JUAN ANASCO

1.1 Purpose

The Town of Longboat Key, Town, has identified Bayview Drive, De Narvaez Drive and Juan Anasco Drive in the Sleepy Lagoon neighborhood as the locations of concern that are subject to sunny day flooding due to high tides and king tides and subject to increasing flood risks due to SLR. The Town previously contracted with Kimley-Horn Associates, Inc., KHA, to evaluate the impacts of rainfall, tidal events and SLR on the roadways and infrastructure in these areas within Sleepy Lagoon, and to identify projects to mitigate impacts.

A list of general recommendations, mitigation, and adaptation strategies were developed and discussed in the KHA report and were reviewed in the design of this project to improve resiliency.

1.2 Site/Project Description

The project site is located along various roads in the Town of Longboat Key, Florida as delineated on the project's construction cover sheet. The project area is a fully developed single-family residential development, in the Sleepy Lagoon neighborhood, consisting of 1/4 & 1/5-acre sized lots. The existing streets are about 16-feet of existing pavement within an approximately 25-foot right-of-way with minimal drainage infrastructure.

The proposed project includes reconstruction of the existing roadways and drainage improvements to reduce the flood risk within these streets. The design considers the finished floor elevations of the adjacent homes and is intended to address the impacts of the Sea Level Rise (SLR) and King Tides for the minimum 25-year 24-hour storm event. The design incorporates elevating the roadway, adding valley gutter, additional inlets, drainage piping, outfalls to Sarasota Bay, and in-line tidal check valves. The linear footage of the proposed storm pipes and the inlets increases the capacity of the system and nearly doubled the capacity of discharge capability.

2.1 Existing Conditions

The existing conditions of the three streets include two-way residential streets with approximately 16-feet of pavement within 25-foot right-of-way. Bayview Drive and Juan Anasco Drive are crowned roadways, while a portion of De Narvaez is inverted crown. The existing roadways are sloped to a low point and outfall through two (2) existing pipes near the midpoint of the streets. The streets are bordered by man-made canals that provide access to the intercoastal. Residents have raised many concerns regarding the frequent flooding during sunny day flooding and regular storm events.

ISS completed a drone flight survey, in addition to detailed field survey with underground utility locates to provide topographic survey information for the project. The elevations of the existing roads vary between 1.0-4.0 feet, per the North American Vertical Datum (NAVD88). The front half of the residential parcels drain toward the roadways and the back halves of the parcels drain to the existing seawalls. The existing soils, per Natural Resource Conservation Service (NRCS), are Canaveral Fine Sand, 0 to 5 percent slopes and Canaveral Sand, Organic Substratum and the hydrologic soil group appears to be A. The project is located in FEMA Flood Zone designated AE based on the FEMA FIRM Map number 12081C0291F

3.1 Proposed Conditions

The project proposes to raise the elevation of Bayview Drive, De Narvaez Drive, and Juan Anasco Drive between 4-6 inches with the addition of valley gutter and stormwater collection system. The elevated roadway will help with the residents' complaints of sunny day flooding and will also increase the pressure head between the roadway and tide levels, which will increase the efficiency of the stormwater system. ISS maintained the current configuration of crown and inverted crown within the streets

The project includes the addition of new outfalls at each of the streets with check valves that discharge to the existing man-made canals at the rear of the parcels. The additional outfalls will provide a greater capacity for discharge from the streets. The collection system will add capacity to the system with additional inlets and piping. The runoff from the rear of the lots will continue to drain to the man-made canals. The stormwater system will also include filter inserts in each inlet to provide water quality improvements to the stormwater runoff into Sarasota Bay.

The proposed design was incorporated into StormWise v4.08.03 using the Kimley-Horn model as the base model. The initial modeling showed improvement in the stages at most of the inlets on each street. It is anticipated that with the raising the road elevation and inlet elevations (initial stages) that there may be inlets that have a slight increase due to the initial stage increase, but the overall depth of water is decreased in all areas. The tailwater used within the StormWise model was based upon the mean high-water level (0.32 ft NAVD88) of the previously mentioned NOAA tide gauge with an additional factor of 0.60 ft added based upon the sea level rise guidance provided in the 2024 FDOT Drainage Manual Section 3.4.1. The additional 0.60 ft added represents the amount of sea level rise expected by 2050. The tailwater data is consistent with

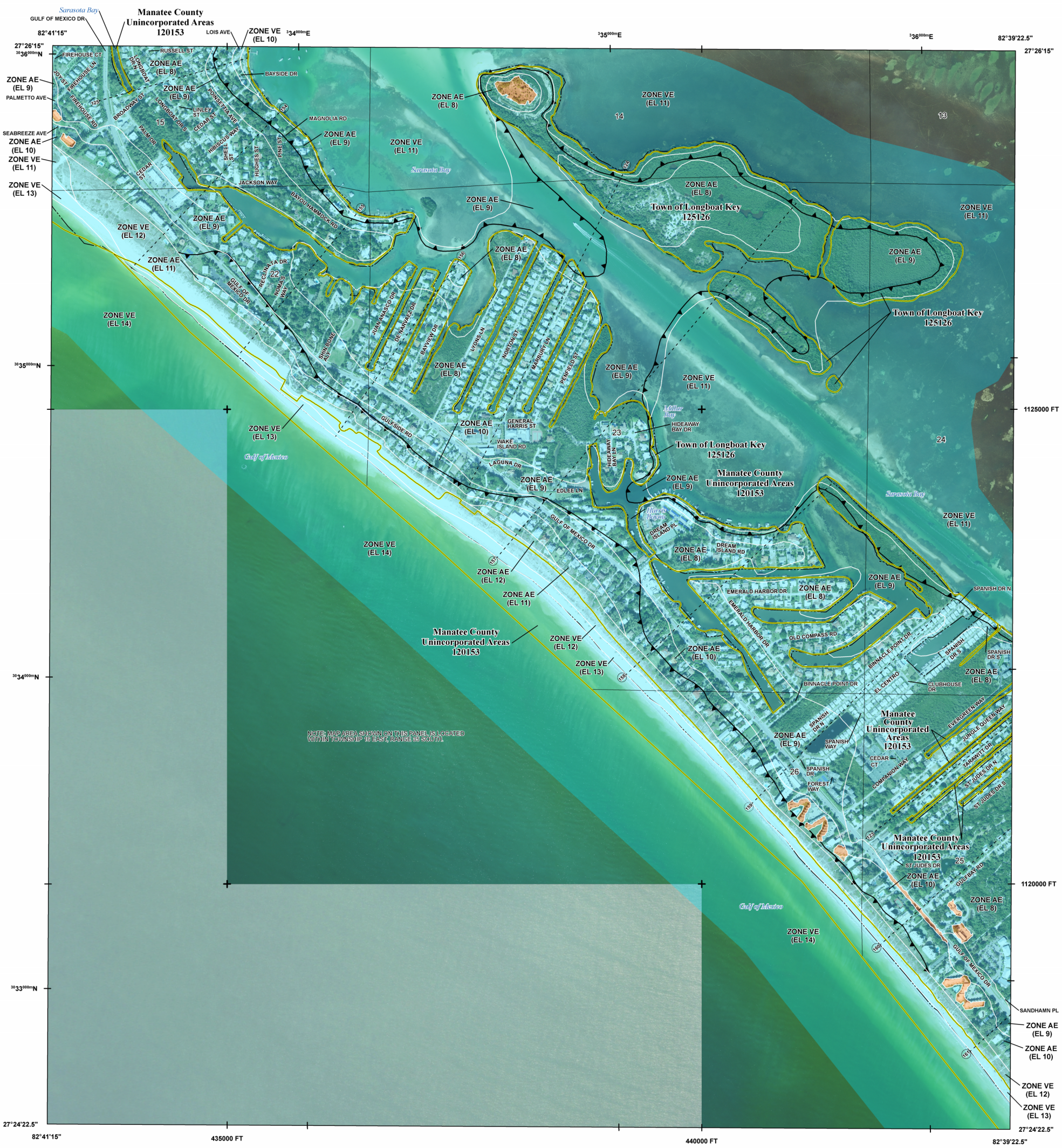
Refer to the summary table that compares the existing inlet elevations to the proposed inlet elevations within the project area. In addition, the StormWise node map, node max, and time/stage reports are included for reference. Please note that as the design is finalized the model will be updated to reflect those changes and more detailed reports will be provided to ensure that the project provides the resiliency benefits that are anticipated.

5.0 OPERATION AND MAINTENANCE

The project will be operated and maintained by the Town of Longboat Key, a local government entity, which meets the rules requirements under section 12.3.1 of the ERP A.H., Vol. I.

Appendix A

FEMA FIRM Map



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

HTTPS://MSC.FEMA.GOV

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) *Zone A,V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS

- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- E 18.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the Flood Mapping and Insurance eXchange (FMIX) at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at https://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 website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates refer to 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.

Base map information shown on this FIRM was provided in digital format by Manatee County, dated 2010 and 2017; the Southwest Florida Water Management District, dated 2010 and 2012; the Florida Department of Transportation, dated 2017; and the U.S. Department of Agriculture, dated 2016.

LIMIT OF MODERATE WAVE ACTION: Zone AE has been divided by a Limit of Moderate Wave Action (LiMWA). The LiMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between Zone VE and the LiMWA (or between the shoreline and the LiMWA for areas where Zone VE is not identified) will be similar to, but less severe than, those in the Zone VE.

Limit of Moderate Wave Action (LiMWA)

Coastal Barrier Resources System (CBRS) areas and "otherwise protected areas" (OPAs) are no longer shown on this map panel, but still may be present in this community. Current information on these areas is provided by the U.S. Fish & Wildlife Service (FWS). NFIP flood insurance is not available within CBRS areas for structures that are built or substantially improved on or after the dates indicated by FWS. Users should reference the most up-to-date information provided by FWS to determine NFIP insurance eligibility. The official maps and additional information regarding CBRS areas are provided on the FWS website at: www.fws.gov/cbra. FEMA also includes the official boundaries from FWS on our interactive and dynamic flood maps available through the FEMA Map Service Center.

SCALE

N

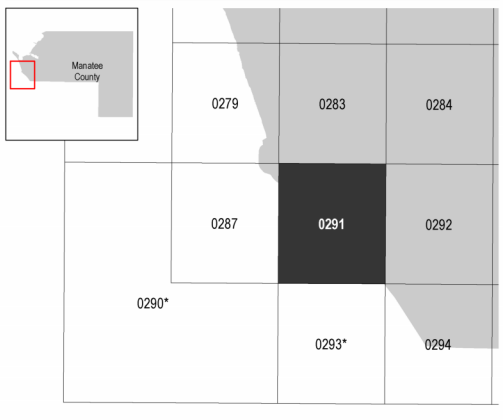
Map Projection:
State Plane Transverse Mercator, Florida West Zone 0902; North American Datum 1983; Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 250 500 750 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR



*PANEL NOT PRINTED

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

MANATEE COUNTY, FLORIDA
and Incorporated Areas

PANEL 291 OF 575

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
LONGBOAT KEY, TOWN OF	125126	0291	F
MANATEE COUNTY	120153	0291	F

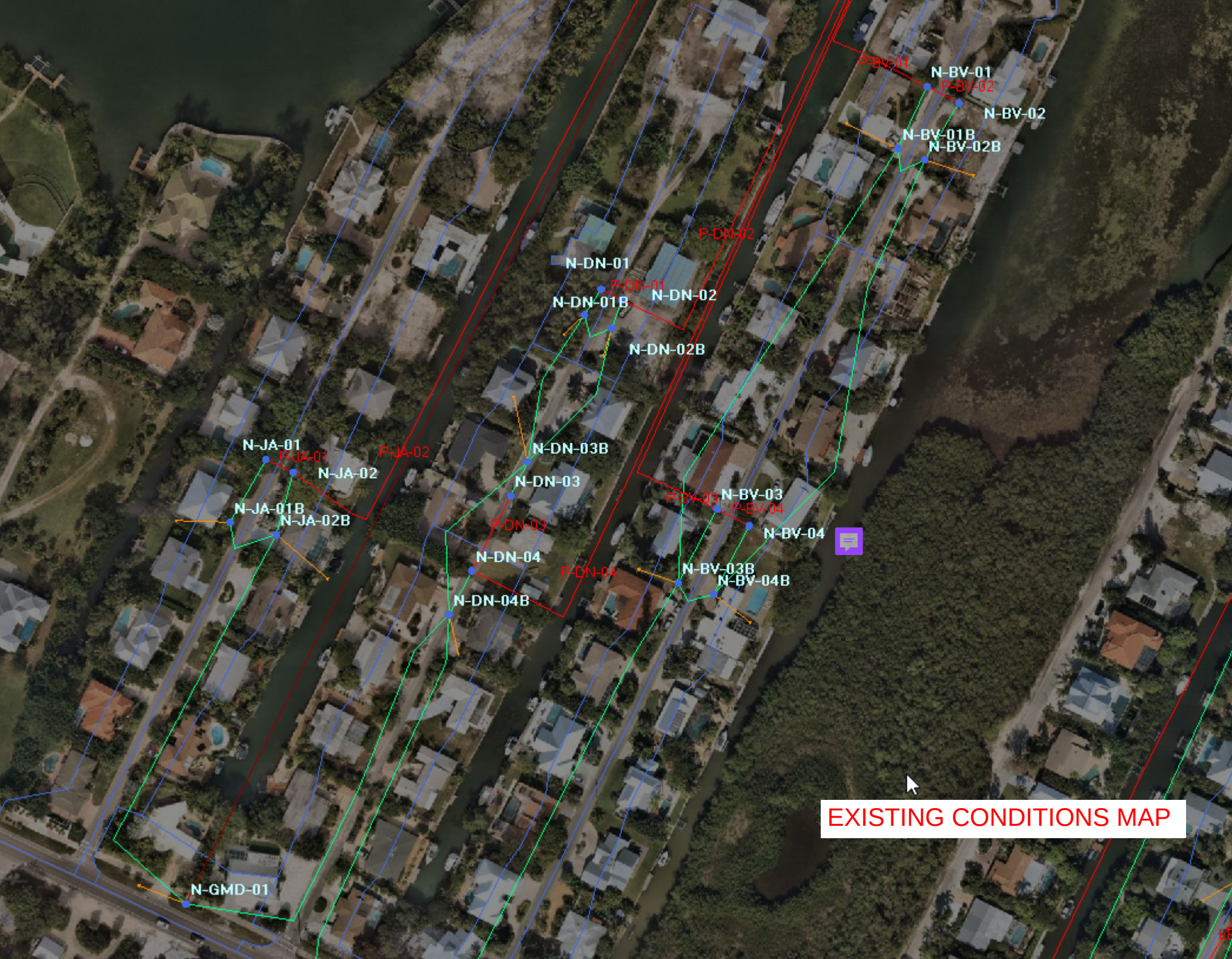
VERSION NUMBER
2.4.3.2

MAP NUMBER
12081C0291F

MAP REVISED
AUGUST 10, 2021

Appendix B

StormWise Model Results


P-BV-01
N-BV-01
P-BV-02
N-BV-02
N-BV-01B
N-BV-02B
P-DN-02
N-DN-01
P-DN-01
N-DN-02
N-DN-01B
N-DN-02B
N-JA-01
P-JA-01
P-JA-02
N-JA-02
N-DN-03B
N-DN-03
N-JA-01B
N-JA-02B
P-BV-03
N-BV-03
P-BV-04
N-BV-04
P-DN-03
N-DN-04
P-DN-04
N-BV-03B
N-BV-04B
N-DN-04B
N-GMD-01
EXISTING CONDITIONS MAP


N-JA-S10
N-JA-S11
N-JA-S10B
N-JA-S12
N-JA-S12B
N-JA-S07
N-JA-S08
N-JA-S07B
N-JA-S09
N-JA-S09B
N-JA-S04
N-JA-S05
N-JA-S06
N-JA-S04B
N-JA-S06B
N-JA-S01
N-JA-S02
N-JA-S03
N-JA-S01B
N-JA-S03B
N-GMD-01
N-DN-S19
N-DN-S20
N-DN-S19B
N-DN-S20B
N-DN-S18B
N-DN-S18
N-DN-S17
N-DN-S17B
N-DN-S15
N-DN-S15B
N-DN-S14
N-DN-S14B
N-BV-S34
N-BV-S35
N-BV-S34B
N-BV-S36
N-BV-S36B
N-BV-S31
N-BV-S32
N-BV-S33
N-BV-S31B
N-BV-S33B
N-BV-S27
N-BV-S28
N-BV-S37
N-BV-S27B
N-BV-S29
N-BV-S29B
N-BV-S24
N-BV-S25
N-BV-S24B
N-BV-S26
N-BV-S26B
N-BV-S21
N-BV-S22
N-BV-S21B
N-BV-S23
N-BV-S23B
PROPOSED CONDITIONS MAP
N-NS-01
N-NS-01B
N-NS-02B
N-S08
N-S07
N-S06
N-S05
N-S03
N-S04
N-NS-03
N-ML-05B
N-ML-06B
N-ML-05

INFRASTRUCTURE SOLUTION SERVICES
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7319 Merchant Court
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Comp. By: DMB
Chk. By: MWM
Date: 8/4/2025

PROJECT: Sleepy Lagoon: Bayview, De Narvaez, Juan Anasco

Bayview

	N-BV-01					N-BV-02				
	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]
Existing	25YR24HR	N-BV-01	2.06	4.03	4.72	25YR24HR	N-BV-02	2.11	2.40	2.28
	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]
Proposed	25YR24HR	N-BV-S31	1.49	1.09	1.05	25YR24HR	N-BV-S33	1.49	0.95	0.92
	25YR24HR	N-BV-S34	1.43	3.54	3.53	25YR24HR	N-BV-S36	1.65	2.08	2.06

Bayview

	N-BV-03					N-BV-04				
Existing	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]
	25YR24HR	N-BV-03	2.24	5.35	5.35	25YR24HR	N-BV-04	2.32	2.31	2.53
Proposed	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]
	25YR24HR	N-BV-S21	2.93	1.21	1.17	25YR24HR	N-BV-S23	2.93	1.60	1.49
	25YR24HR	N-BV-S24	2.59	1.19	1.03	25YR24HR	N-BV-S26	2.59	1.02	0.98
	25YR24HR	N-BV-S27	1.31	3.77	3.77	25YR24HR	N-BV-S29	1.15	7.18	7.18

De Narvaez

	N-DN-01					N-DN-02				
	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]
Existing	25YR24HR	N-DN-01	1.56	3.26	3.23	25YR24HR	N-DN-02	1.47	6.06	6.06
	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]
Proposed	25YR24HR	N-DN-S19	0.77	1.78	1.21	25YR24HR	N-DN-S20	0.76	3.84	2.70

De Narvaez					
	N-DN-03				
Existing	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]
	25YR24HR	N-DN-03	2.30	1.80	1.72
Proposed	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]
	25YR24HR	N-DN-S18	2.20	2.56	2.59

De Narvaez					
	N-DN-04				
Existing	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]
	25YR24HR	N-DN-04	2.25	4.03	4.03
Proposed	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]
	25YR24HR	N-DN-S15	1.29	6.71	6.70
	25YR24HR	N-DN-S17	1.37	4.96	4.96

Juan Anasco										
	N-JA-01					N-JA-02				
	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]
Existing	25YR24HR	N-JA-01	2.70	3.49	3.93	25YR24HR	N-JA-02	2.69	8.38	8.38
	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Sim Name	Node Name	Max Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]
	25YR24HR	N-JA-S01	1.58	1.01	0.98	25YR24HR	N-JA-S03	1.58	1.02	0.98
	25YR24HR	N-JA-S04	1.54	2.64	2.61	25YR24HR	N-JA-S06	1.46	4.88	4.87
	25YR24HR	N-JA-S07	1.26	7.35	7.35	25YR24HR	N-JA-S09	1.40	1.47	1.43
Proposed	25YR24HR	N-JA-S10	1.52	1.07	1.38	25YR24HR	N-JA-S12	1.53	1.29	1.25

Node Max Conditions : Multi Item | (sim, name) [01 Existing Conditions]

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
25YR24HR	N-BV-01	0.00	0.00	2.06	-0.0010	4.72	4.72	100
25YR24HR	N-BV-01B	0.00	0.00	2.12	-0.0007	4.32	3.60	2691
25YR24HR	N-BV-02	0.00	0.00	2.11	-0.0010	2.40	2.28	100
25YR24HR	N-BV-02B	0.00	0.00	2.12	-0.0009	3.56	3.05	2113
25YR24HR	N-BV-03	0.00	0.00	2.24	-0.0010	5.35	5.35	100
25YR24HR	N-BV-03B	0.00	0.00	2.33	-0.0007	6.69	4.38	15424
25YR24HR	N-BV-04	0.00	0.00	2.32	-0.0010	2.31	2.53	100
25YR24HR	N-BV-04B	0.00	0.00	2.33	0.0006	5.81	3.07	20209
25YR24HR	N-DN-01	0.00	0.00	1.56	-0.0010	3.26	3.23	100
25YR24HR	N-DN-01B	0.00	0.00	1.97	-0.0002	3.26	3.26	100
25YR24HR	N-DN-02	0.00	0.00	1.47	-0.0010	6.06	6.06	100
25YR24HR	N-DN-02B	0.00	0.00	1.88	-0.0002	2.85	2.84	471
25YR24HR	N-DN-03	0.00	0.00	2.30	0.0010	1.80	1.72	100
25YR24HR	N-DN-03B	0.00	0.00	2.31	-0.0009	4.23	2.90	7978
25YR24HR	N-DN-04	0.00	0.00	2.25	-0.0009	4.03	4.03	154
25YR24HR	N-DN-04B	0.00	0.00	2.31	0.0004	3.83	3.84	3572
25YR24HR	N-JA-01	0.00	0.00	2.70	0.0010	3.44	3.93	100
25YR24HR	N-JA-01B	0.00	0.00	2.72	0.0008	4.32	4.66	5504
25YR24HR	N-JA-02	0.00	0.00	2.64	-0.0010	8.38	8.38	113
25YR24HR	N-JA-02B	0.00	0.00	2.72	-0.0010	7.10	5.99	7905
25YR24HR	SLL_BNDRY	0.00	0.00	0.58	0.0000	72.93	2.10	0
25YR24HR	SLL_BNDRY 2	0.00	0.00	0.58	0.0000	29.53	0.00	0
25YR24HR-2.36ft	N-BV-01	0.00	0.00	2.79	-0.0003	2.90	2.90	100
25YR24HR-2.36ft	N-BV-01B	0.00	0.00	2.81	0.0002	3.76	2.22	14476
25YR24HR-2.36ft	N-BV-02	0.00	0.00	2.81	0.0002	0.68	0.68	100
25YR24HR-2.36ft	N-BV-02B	0.00	0.00	2.82	0.0002	3.56	2.12	12840
25YR24HR-2.36ft	N-BV-03	0.00	0.00	2.79	-0.0008	2.90	2.90	100
25YR24HR-2.36ft	N-BV-03B	0.00	0.00	2.82	0.0002	6.49	3.13	27718
25YR24HR-2.36ft	N-BV-04	0.00	0.00	2.81	0.0004	0.70	0.70	100
25YR24HR-2.36ft	N-BV-04B	0.00	0.00	2.82	0.0002	6.04	2.49	34243
25YR24HR-2.36ft	N-DN-01	0.00	0.00	2.77	0.0009	1.24	1.24	100
25YR24HR-2.36ft	N-DN-01B	0.00	0.00	2.78	0.0003	3.28	2.17	6975
25YR24HR-2.36ft	N-DN-02	0.00	0.00	2.76	-0.0009	4.07	4.07	100
25YR24HR-	N-DN-02B	0.00	0.00	2.78	0.0003	4.37	2.83	11890

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
2.36ft								
25YR24HR-2.36ft	N-DN-03	0.00	0.00	2.78	0.0003	0.33	0.32	100
25YR24HR-2.36ft	N-DN-03B	0.00	0.00	2.79	0.0003	4.23	2.98	11174
25YR24HR-2.36ft	N-DN-04	0.00	0.00	2.77	0.0003	2.17	2.17	154
25YR24HR-2.36ft	N-DN-04B	0.00	0.00	2.79	0.0003	3.81	3.96	8800
25YR24HR-2.36ft	N-JA-01	0.00	0.00	3.16	0.0010	1.75	1.75	100
25YR24HR-2.36ft	N-JA-01B	0.00	0.00	3.17	0.0004	4.32	3.39	13174
25YR24HR-2.36ft	N-JA-02	0.00	0.00	3.13	0.0010	5.45	5.45	113
25YR24HR-2.36ft	N-JA-02B	0.00	0.00	3.17	0.0004	7.10	3.70	22289
25YR24HR-2.36ft	SLL_BNDRY	0.00	0.00	2.36	0.0002	72.56	2.70	0
25YR24HR-2.36ft	SLL_BNDRY 2	0.00	0.00	2.36	0.0002	18.20	0.47	0
25YR24HR-3.58ft	N-BV-01	0.00	0.00	3.69	-0.0009	3.93	3.94	100
25YR24HR-3.58ft	N-BV-01B	0.00	0.00	3.70	-0.0010	3.58	2.99	24616
25YR24HR-3.58ft	N-BV-02	0.00	0.00	3.70	-0.0009	0.93	0.94	100
25YR24HR-3.58ft	N-BV-02B	0.00	0.00	3.70	-0.0010	3.76	1.93	21812
25YR24HR-3.58ft	N-BV-03	0.00	0.00	3.69	-0.0006	3.92	3.93	100
25YR24HR-3.58ft	N-BV-03B	0.00	0.00	3.70	-0.0008	7.51	4.06	47743
25YR24HR-3.58ft	N-BV-04	0.00	0.00	3.70	-0.0008	1.36	1.46	100
25YR24HR-3.58ft	N-BV-04B	0.00	0.00	3.70	-0.0007	7.39	3.13	53699
25YR24HR-3.58ft	N-DN-01	0.00	0.00	3.79	0.0010	1.32	1.33	100
25YR24HR-3.58ft	N-DN-01B	0.00	0.00	3.79	-0.0003	3.32	1.61	26581
25YR24HR-3.58ft	N-DN-02	0.00	0.00	3.78	0.0010	4.20	4.20	100
25YR24HR-3.58ft	N-DN-02B	0.00	0.00	3.79	-0.0003	3.47	2.87	22565
25YR24HR-3.58ft	N-DN-03	0.00	0.00	3.79	0.0003	0.33	0.34	100

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
25YR24HR-3.58ft	N-DN-03B	0.00	0.00	3.80	-0.0002	4.23	3.14	20158
25YR24HR-3.58ft	N-DN-04	0.00	0.00	3.79	0.0003	2.22	2.23	154
25YR24HR-3.58ft	N-DN-04B	0.00	0.00	3.80	-0.0002	5.40	4.22	35219
25YR24HR-3.58ft	N-JA-01	0.00	0.00	3.80	0.0010	1.25	1.26	100
25YR24HR-3.58ft	N-JA-01B	0.00	0.00	3.81	-0.0003	4.32	3.51	33924
25YR24HR-3.58ft	N-JA-02	0.00	0.00	3.80	-0.0010	4.03	4.04	113
25YR24HR-3.58ft	N-JA-02B	0.00	0.00	3.81	-0.0003	7.10	5.22	43772
25YR24HR-3.58ft	SLL_BNDRY	0.00	0.00	3.58	0.0003	90.05	46.05	0
25YR24HR-3.58ft	SLL_BNDRY 2	0.00	0.00	3.58	0.0003	17.37	11.10	0
25YR24HR-HT	N-BV-01	0.00	0.00	2.48	0.0004	3.64	3.64	100
25YR24HR-HT	N-BV-01B	0.00	0.00	2.51	0.0005	4.25	3.57	8349
25YR24HR-HT	N-BV-02	0.00	0.00	2.51	0.0005	0.86	0.86	100
25YR24HR-HT	N-BV-02B	0.00	0.00	2.51	0.0005	3.56	2.54	6526
25YR24HR-HT	N-BV-03	0.00	0.00	2.48	0.0006	3.65	3.65	100
25YR24HR-HT	N-BV-03B	0.00	0.00	2.52	0.0006	7.41	3.88	19921
25YR24HR-HT	N-BV-04	0.00	0.00	2.52	0.0006	0.89	0.89	100
25YR24HR-HT	N-BV-04B	0.00	0.00	2.52	0.0006	6.51	3.09	25315
25YR24HR-HT	N-DN-01	0.00	0.00	2.43	0.0007	1.53	1.53	100
25YR24HR-HT	N-DN-01B	0.00	0.00	2.44	0.0005	3.28	2.69	2910
25YR24HR-HT	N-DN-02	0.00	0.00	2.41	-0.0010	5.02	5.02	100
25YR24HR-HT	N-DN-02B	0.00	0.00	2.44	0.0005	4.36	3.49	5360
25YR24HR-HT	N-DN-03	0.00	0.00	2.45	0.0004	0.45	0.47	100
25YR24HR-HT	N-DN-03B	0.00	0.00	2.45	0.0004	4.23	3.25	9255
25YR24HR-	N-DN-04	0.00	0.00	2.43	0.0004	2.68	2.68	154

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
HT								
25YR24HR-HT	N-DN-04B	0.00	0.00	2.45	0.0004	3.81	4.08	4846
25YR24HR-HT	N-JA-01	0.00	0.00	2.97	-0.0009	2.14	2.15	100
25YR24HR-HT	N-JA-01B	0.00	0.00	2.99	-0.0007	4.32	3.81	9390
25YR24HR-HT	N-JA-02	0.00	0.00	2.93	-0.0010	6.60	6.60	113
25YR24HR-HT	N-JA-02B	0.00	0.00	2.98	-0.0010	7.10	4.60	15816
25YR24HR-HT	SLL_BNDRY	0.00	0.00	1.80	0.0001	67.30	2.13	0
25YR24HR-HT	SLL_BNDRY 2	0.00	0.00	1.80	0.0001	22.56	0.03	0

Node Max Conditions : Multi Item | (sim, name) [02 Proposed Conditions]

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
25YR24HR	N-BV-S21	0.00	0.00	2.93	0.0010	1.21	1.17	100
25YR24HR	N-BV-S21B	0.00	0.00	2.95	-0.0005	1.73	1.21	2617
25YR24HR	N-BV-S22	0.00	0.00	2.93	-0.0010	2.64	2.73	265
25YR24HR	N-BV-S23	0.00	0.00	2.93	0.0010	1.60	1.49	100
25YR24HR	N-BV-S23B	0.00	0.00	2.95	0.0005	2.01	1.60	3523
25YR24HR	N-BV-S24	0.00	0.00	2.59	0.0009	1.19	1.03	100
25YR24HR	N-BV-S24B	0.00	0.00	2.60	0.0004	1.45	1.28	1791
25YR24HR	N-BV-S25	0.00	0.00	2.58	0.0010	4.12	4.04	530
25YR24HR	N-BV-S26	0.00	0.00	2.59	-0.0010	1.02	0.98	100
25YR24HR	N-BV-S26B	0.00	0.00	2.60	0.0004	1.31	1.26	1521
25YR24HR	N-BV-S27	0.00	0.00	1.31	0.0020	3.77	3.77	100
25YR24HR	N-BV-S27B	0.00	0.00	1.95	0.0001	2.27	2.26	1281
25YR24HR	N-BV-S28	0.00	0.00	1.32	0.0010	4.04	4.06	193
25YR24HR	N-BV-S29	0.00	0.00	1.15	0.0039	7.18	7.18	116
25YR24HR	N-BV-S29B	0.00	0.00	1.96	0.0001	2.60	2.57	1511
25YR24HR	N-BV-S31	0.00	0.00	1.49	0.0008	1.09	1.05	100
25YR24HR	N-BV-S31B	0.00	0.00	2.37	-0.0001	1.09	1.09	459
25YR24HR	N-BV-S32	0.00	0.00	1.48	-0.0010	2.59	2.57	540
25YR24HR	N-BV-S33	0.00	0.00	1.49	0.0008	0.95	0.92	100
25YR24HR	N-BV-S33B	0.00	0.00	2.36	-0.0001	0.95	0.95	369
25YR24HR	N-BV-S34	0.00	0.00	1.43	0.0010	3.54	3.53	100
25YR24HR	N-BV-S34B	0.00	0.00	2.19	-0.0001	2.14	2.13	1286
25YR24HR	N-BV-S35	0.00	0.00	1.50	-0.0007	2.06	2.05	249
25YR24HR	N-BV-S36	0.00	0.00	1.65	-0.0009	2.08	2.06	100

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
25YR24HR	N-BV-S36B	0.00	0.00	2.19	-0.0001	2.10	2.08	1243
25YR24HR	N-BV-S37	0.00	0.00	1.29	-0.0010	4.66	4.64	297
25YR24HR	N-DN-S14	0.00	0.00	1.50	0.0010	2.25	2.24	152
25YR24HR	N-DN-S14B	0.00	0.00	2.89	-0.0001	3.64	3.61	2937
25YR24HR	N-DN-S15	0.00	0.00	1.29	0.0010	6.71	6.70	477
25YR24HR	N-DN-S15B	0.00	0.00	2.22	-0.0001	3.58	3.57	1283
25YR24HR	N-DN-S17	0.00	0.00	1.37	0.0008	4.96	4.96	224
25YR24HR	N-DN-S17B	0.00	0.00	2.20	-0.0001	2.50	2.50	592
25YR24HR	N-DN-S18	0.00	0.00	2.20	0.0010	2.56	2.59	100
25YR24HR	N-DN-S18B	0.00	0.00	2.26	-0.0003	2.86	2.59	2519
25YR24HR	N-DN-S19	0.00	0.00	0.77	0.0018	1.78	1.21	100
25YR24HR	N-DN-S19B	0.00	0.00	2.13	-0.0001	1.21	1.21	505
25YR24HR	N-DN-S20	0.00	0.00	0.76	0.0038	3.84	2.70	100
25YR24HR	N-DN-S20B	0.00	0.00	2.15	-0.0001	1.50	1.49	714
25YR24HR	N-JA-S01	0.00	0.00	1.58	0.0010	1.01	0.98	100
25YR24HR	N-JA-S01B	0.00	0.00	3.31	0.0000	1.60	1.60	973
25YR24HR	N-JA-S02	0.00	0.00	1.57	-0.0009	1.96	1.98	208
25YR24HR	N-JA-S03	0.00	0.00	1.58	0.0010	1.02	0.98	100
25YR24HR	N-JA-S03B	0.00	0.00	3.31	0.0000	1.51	1.51	924
25YR24HR	N-JA-S04	0.00	0.00	1.54	-0.0009	2.64	2.61	100
25YR24HR	N-JA-S04B	0.00	0.00	2.72	-0.0001	2.67	2.64	1728
25YR24HR	N-JA-S05	0.00	0.00	1.49	-0.0009	4.55	4.56	457
25YR24HR	N-JA-S06	0.00	0.00	1.46	0.0017	4.88	4.87	135
25YR24HR	N-JA-S06B	0.00	0.00	2.71	-0.0001	2.62	2.59	1749
25YR24HR	N-JA-S07	0.00	0.00	1.26	0.0020	7.35	7.35	158
25YR24HR	N-JA-S07B	0.00	0.00	2.90	-0.0001	1.48	1.47	927
25YR24HR	N-JA-S08	0.00	0.00	1.39	-0.0007	5.92	5.93	661
25YR24HR	N-JA-S09	0.00	0.00	1.40	0.0010	1.47	1.43	100
25YR24HR	N-JA-S09B	0.00	0.00	2.90	-0.0001	1.47	1.47	923
25YR24HR	N-JA-S10	0.00	0.00	1.52	0.0010	1.07	1.38	100
25YR24HR	N-JA-S10B	0.00	0.00	2.62	-0.0001	1.07	1.07	495
25YR24HR	N-JA-S11	0.00	0.00	1.52	-0.0009	2.28	2.28	261
25YR24HR	N-JA-S12	0.00	0.00	1.53	0.0010	1.29	1.25	100
25YR24HR	N-JA-S12B	0.00	0.00	2.64	-0.0001	1.30	1.29	675
25YR24HR	SLL_BNDRY	0.00	0.00	0.58	0.0000	72.93	2.10	0
25YR24HR	SLL_BNDRY 2	0.00	0.00	0.58	0.0000	40.53	19.75	0
25YR24HR-2.36ft	N-BV-S21	0.00	0.00	3.07	0.0010	1.05	1.05	100
25YR24HR-2.36ft	N-BV-S21B	0.00	0.00	3.08	0.0004	1.63	1.05	3401
25YR24HR-2.36ft	N-BV-S22	0.00	0.00	3.06	0.0010	2.13	2.13	265
25YR24HR-2.36ft	N-BV-S23	0.00	0.00	3.07	0.0010	1.07	1.08	100
25YR24HR-2.36ft	N-BV-S23B	0.00	0.00	3.08	0.0004	2.01	1.22	4574

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
25YR24HR-2.36ft	N-BV-S24	0.00	0.00	2.76	0.0007	0.91	0.82	100
25YR24HR-2.36ft	N-BV-S24B	0.00	0.00	2.75	0.0003	2.06	1.85	2588
25YR24HR-2.36ft	N-BV-S25	0.00	0.00	2.76	-0.0010	2.13	2.47	531
25YR24HR-2.36ft	N-BV-S26	0.00	0.00	2.76	0.0008	0.93	0.85	100
25YR24HR-2.36ft	N-BV-S26B	0.00	0.00	2.75	0.0003	2.54	2.34	2203
25YR24HR-2.36ft	N-BV-S27	0.00	0.00	2.72	0.0020	2.78	2.67	100
25YR24HR-2.36ft	N-BV-S27B	0.00	0.00	2.74	0.0003	3.77	3.02	6702
25YR24HR-2.36ft	N-BV-S28	0.00	0.00	2.73	-0.0010	1.92	1.68	193
25YR24HR-2.36ft	N-BV-S29	0.00	0.00	2.71	0.0039	5.75	5.66	116
25YR24HR-2.36ft	N-BV-S29B	0.00	0.00	2.74	0.0003	5.22	4.44	7253
25YR24HR-2.36ft	N-BV-S31	0.00	0.00	2.74	-0.0010	0.62	0.85	100
25YR24HR-2.36ft	N-BV-S31B	0.00	0.00	2.74	0.0003	1.09	0.90	1919
25YR24HR-2.36ft	N-BV-S32	0.00	0.00	2.74	-0.0010	2.30	1.24	540
25YR24HR-2.36ft	N-BV-S33	0.00	0.00	2.74	-0.0010	0.58	0.81	100
25YR24HR-2.36ft	N-BV-S33B	0.00	0.00	2.74	0.0003	0.98	0.92	1680
25YR24HR-2.36ft	N-BV-S34	0.00	0.00	2.73	0.0010	2.69	2.68	100
25YR24HR-2.36ft	N-BV-S34B	0.00	0.00	2.74	0.0003	2.90	2.25	5247
25YR24HR-2.36ft	N-BV-S35	0.00	0.00	2.74	0.0006	0.97	0.62	249
25YR24HR-2.36ft	N-BV-S36	0.00	0.00	2.74	0.0008	0.62	0.43	100
25YR24HR-2.36ft	N-BV-S36B	0.00	0.00	2.75	0.0003	2.10	1.38	5145
25YR24HR-2.36ft	N-BV-S37	0.00	0.00	2.72	-0.0010	3.95	2.36	297
25YR24HR-2.36ft	N-DN-S14	0.00	0.00	2.79	0.0009	2.09	2.07	152
25YR24HR-2.36ft	N-DN-S14B	0.00	0.00	2.89	0.0001	3.64	3.54	3045
25YR24HR-	N-DN-S15	0.00	0.00	2.63	0.0010	4.99	4.87	477

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
2.36ft								
25YR24HR-2.36ft	N-DN-S15B	0.00	0.00	2.65	0.0002	3.68	3.19	4528
25YR24HR-2.36ft	N-DN-S17	0.00	0.00	2.63	0.0010	2.30	2.31	224
25YR24HR-2.36ft	N-DN-S17B	0.00	0.00	2.65	0.0002	2.04	1.98	1907
25YR24HR-2.36ft	N-DN-S18	0.00	0.00	2.65	0.0010	0.37	0.33	100
25YR24HR-2.36ft	N-DN-S18B	0.00	0.00	2.65	0.0002	2.86	2.34	6183
25YR24HR-2.36ft	N-DN-S19	0.00	0.00	2.64	0.0018	1.78	1.10	100
25YR24HR-2.36ft	N-DN-S19B	0.00	0.00	2.65	0.0004	1.98	1.50	2584
25YR24HR-2.36ft	N-DN-S20	0.00	0.00	2.63	0.0038	3.84	3.33	100
25YR24HR-2.36ft	N-DN-S20B	0.00	0.00	2.65	0.0004	2.56	2.24	3184
25YR24HR-2.36ft	N-JA-S01	0.00	0.00	2.96	0.0010	1.01	0.98	100
25YR24HR-2.36ft	N-JA-S01B	0.00	0.00	3.31	0.0001	1.60	1.60	973
25YR24HR-2.36ft	N-JA-S02	0.00	0.00	2.95	-0.0010	1.98	1.95	209
25YR24HR-2.36ft	N-JA-S03	0.00	0.00	2.96	0.0010	1.02	0.99	100
25YR24HR-2.36ft	N-JA-S03B	0.00	0.00	3.31	0.0001	1.51	1.51	924
25YR24HR-2.36ft	N-JA-S04	0.00	0.00	2.90	0.0008	1.81	1.84	100
25YR24HR-2.36ft	N-JA-S04B	0.00	0.00	2.91	-0.0004	2.67	2.25	3337
25YR24HR-2.36ft	N-JA-S05	0.00	0.00	2.88	0.0010	3.45	3.42	456
25YR24HR-2.36ft	N-JA-S06	0.00	0.00	2.87	0.0017	4.42	4.42	135
25YR24HR-2.36ft	N-JA-S06B	0.00	0.00	2.91	-0.0004	3.52	2.98	3405
25YR24HR-2.36ft	N-JA-S07	0.00	0.00	2.74	0.0020	6.07	6.07	158
25YR24HR-2.36ft	N-JA-S07B	0.00	0.00	2.90	0.0001	1.48	1.47	927
25YR24HR-2.36ft	N-JA-S08	0.00	0.00	2.82	0.0010	4.81	4.81	661
25YR24HR-2.36ft	N-JA-S09	0.00	0.00	2.83	0.0010	1.42	1.41	100

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
25YR24HR-2.36ft	N-JA-S09B	0.00	0.00	2.91	0.0001	1.47	1.42	978
25YR24HR-2.36ft	N-JA-S10	0.00	0.00	2.91	0.0010	0.97	0.99	100
25YR24HR-2.36ft	N-JA-S10B	0.00	0.00	2.92	-0.0005	1.12	0.97	1750
25YR24HR-2.36ft	N-JA-S11	0.00	0.00	2.90	0.0010	2.03	2.05	262
25YR24HR-2.36ft	N-JA-S12	0.00	0.00	2.91	0.0010	1.04	1.07	100
25YR24HR-2.36ft	N-JA-S12B	0.00	0.00	2.92	-0.0005	1.30	1.09	2116
25YR24HR-2.36ft	SLL_BNDRY	0.00	0.00	2.36	0.0001	72.55	2.59	0
25YR24HR-2.36ft	SLL_BNDRY 2	0.00	0.00	2.36	0.0001	32.86	19.76	0
25YR24HR-3.58ft	N-BV-S21	0.00	0.00	3.79	0.0010	0.53	0.73	100
25YR24HR-3.58ft	N-BV-S21B	0.00	0.00	3.79	-0.0001	1.50	0.74	7711
25YR24HR-3.58ft	N-BV-S22	0.00	0.00	3.79	-0.0010	1.48	0.84	266
25YR24HR-3.58ft	N-BV-S23	0.00	0.00	3.79	0.0010	0.56	0.75	100
25YR24HR-3.58ft	N-BV-S23B	0.00	0.00	3.79	-0.0001	2.09	1.07	10361
25YR24HR-3.58ft	N-BV-S24	0.00	0.00	3.79	0.0008	0.44	0.33	100
25YR24HR-3.58ft	N-BV-S24B	0.00	0.00	3.79	0.0001	2.00	1.31	8091
25YR24HR-3.58ft	N-BV-S25	0.00	0.00	3.79	-0.0007	1.13	1.34	530
25YR24HR-3.58ft	N-BV-S26	0.00	0.00	3.79	0.0008	0.53	0.40	100
25YR24HR-3.58ft	N-BV-S26B	0.00	0.00	3.79	0.0001	2.23	1.67	6896
25YR24HR-3.58ft	N-BV-S27	0.00	0.00	3.78	0.0020	2.07	1.99	100
25YR24HR-3.58ft	N-BV-S27B	0.00	0.00	3.79	0.0001	3.40	2.43	13868
25YR24HR-3.58ft	N-BV-S28	0.00	0.00	3.78	-0.0010	1.92	1.18	193
25YR24HR-3.58ft	N-BV-S29	0.00	0.00	3.78	0.0039	4.68	4.22	116
25YR24HR-3.58ft	N-BV-S29B	0.00	0.00	3.79	0.0001	4.39	3.47	15012
25YR24HR-	N-BV-S31	0.00	0.00	3.79	0.0008	0.58	0.45	100

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
3.58ft								
25YR24HR-3.58ft	N-BV-S31B	0.00	0.00	3.79	-0.0001	1.09	0.57	6065
25YR24HR-3.58ft	N-BV-S32	0.00	0.00	3.79	0.0010	2.31	1.25	540
25YR24HR-3.58ft	N-BV-S33	0.00	0.00	3.79	0.0008	0.58	0.40	100
25YR24HR-3.58ft	N-BV-S33B	0.00	0.00	3.79	-0.0002	0.97	0.57	5309
25YR24HR-3.58ft	N-BV-S34	0.00	0.00	3.78	0.0010	2.01	2.00	100
25YR24HR-3.58ft	N-BV-S34B	0.00	0.00	3.79	0.0001	2.82	1.80	12718
25YR24HR-3.58ft	N-BV-S35	0.00	0.00	3.79	0.0006	1.00	0.64	249
25YR24HR-3.58ft	N-BV-S36	0.00	0.00	3.79	0.0008	0.64	0.27	100
25YR24HR-3.58ft	N-BV-S36B	0.00	0.00	3.79	0.0001	2.10	1.01	12462
25YR24HR-3.58ft	N-BV-S37	0.00	0.00	3.78	0.0010	3.95	2.37	297
25YR24HR-3.58ft	N-DN-S14	0.00	0.00	3.76	0.0010	0.64	0.52	152
25YR24HR-3.58ft	N-DN-S14B	0.00	0.00	3.76	-0.0001	4.59	3.08	16705
25YR24HR-3.58ft	N-DN-S15	0.00	0.00	3.75	0.0010	3.81	3.81	476
25YR24HR-3.58ft	N-DN-S15B	0.00	0.00	3.76	0.0001	4.69	3.70	12862
25YR24HR-3.58ft	N-DN-S17	0.00	0.00	3.75	0.0008	1.88	1.88	224
25YR24HR-3.58ft	N-DN-S17B	0.00	0.00	3.76	0.0002	1.89	1.67	5154
25YR24HR-3.58ft	N-DN-S18	0.00	0.00	3.76	0.0010	0.38	0.29	100
25YR24HR-3.58ft	N-DN-S18B	0.00	0.00	3.76	0.0001	2.86	1.79	16691
25YR24HR-3.58ft	N-DN-S19	0.00	0.00	3.75	0.0018	1.79	0.75	100
25YR24HR-3.58ft	N-DN-S19B	0.00	0.00	3.76	0.0002	1.57	1.06	7074
25YR24HR-3.58ft	N-DN-S20	0.00	0.00	3.75	0.0038	3.84	2.63	100
25YR24HR-3.58ft	N-DN-S20B	0.00	0.00	3.76	0.0002	2.44	1.88	8726
25YR24HR-3.58ft	N-JA-S01	0.00	0.00	3.77	0.0010	0.32	0.31	100

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
25YR24HR-3.58ft	N-JA-S01B	0.00	0.00	3.77	0.0001	1.60	1.17	5069
25YR24HR-3.58ft	N-JA-S02	0.00	0.00	3.77	0.0006	0.69	0.64	209
25YR24HR-3.58ft	N-JA-S03	0.00	0.00	3.77	0.0010	0.32	0.22	100
25YR24HR-3.58ft	N-JA-S03B	0.00	0.00	3.77	0.0001	1.99	1.76	4771
25YR24HR-3.58ft	N-JA-S04	0.00	0.00	3.77	0.0007	0.64	0.74	100
25YR24HR-3.58ft	N-JA-S04B	0.00	0.00	3.77	-0.0001	2.63	1.67	10464
25YR24HR-3.58ft	N-JA-S05	0.00	0.00	3.76	-0.0010	2.40	1.11	456
25YR24HR-3.58ft	N-JA-S06	0.00	0.00	3.76	0.0017	2.77	2.62	135
25YR24HR-3.58ft	N-JA-S06B	0.00	0.00	3.77	-0.0001	2.91	2.02	10724
25YR24HR-3.58ft	N-JA-S07	0.00	0.00	3.75	0.0020	4.11	4.09	158
25YR24HR-3.58ft	N-JA-S07B	0.00	0.00	3.77	-0.0001	2.93	2.64	6624
25YR24HR-3.58ft	N-JA-S08	0.00	0.00	3.76	0.0010	2.71	1.47	661
25YR24HR-3.58ft	N-JA-S09	0.00	0.00	3.76	0.0010	0.77	0.78	100
25YR24HR-3.58ft	N-JA-S09B	0.00	0.00	3.77	-0.0002	1.90	1.54	6608
25YR24HR-3.58ft	N-JA-S10	0.00	0.00	3.77	0.0010	0.52	0.67	100
25YR24HR-3.58ft	N-JA-S10B	0.00	0.00	3.77	-0.0001	1.10	0.76	5423
25YR24HR-3.58ft	N-JA-S11	0.00	0.00	3.76	0.0010	1.36	0.86	262
25YR24HR-3.58ft	N-JA-S12	0.00	0.00	3.77	0.0010	0.55	0.69	100
25YR24HR-3.58ft	N-JA-S12B	0.00	0.00	3.77	-0.0001	1.30	0.87	6548
25YR24HR-3.58ft	SLL_BNDRY	0.00	0.00	3.58	0.0001	89.96	45.98	0
25YR24HR-3.58ft	SLL_BNDRY 2	0.00	0.00	3.58	0.0001	24.94	19.76	0
25YR24HR-HT	N-BV-S21	0.00	0.00	3.01	0.0010	1.13	1.14	100
25YR24HR-HT	N-BV-S21B	0.00	0.00	3.02	0.0004	1.63	1.13	3085
25YR24HR-	N-BV-S22	0.00	0.00	3.00	-0.0009	2.30	2.29	265

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
HT								
25YR24HR-HT	N-BV-S23	0.00	0.00	3.01	0.0010	1.16	1.16	100
25YR24HR-HT	N-BV-S23B	0.00	0.00	3.02	0.0004	2.01	1.31	4150
25YR24HR-HT	N-BV-S24	0.00	0.00	2.66	0.0010	0.66	0.74	100
25YR24HR-HT	N-BV-S24B	0.00	0.00	2.66	-0.0004	1.45	1.42	2118
25YR24HR-HT	N-BV-S25	0.00	0.00	2.66	0.0010	2.85	2.61	531
25YR24HR-HT	N-BV-S26	0.00	0.00	2.66	-0.0010	0.57	0.68	100
25YR24HR-HT	N-BV-S26B	0.00	0.00	2.66	-0.0004	1.72	1.65	1800
25YR24HR-HT	N-BV-S27	0.00	0.00	2.29	0.0020	3.14	3.09	100
25YR24HR-HT	N-BV-S27B	0.00	0.00	2.31	0.0004	3.03	2.57	3732
25YR24HR-HT	N-BV-S28	0.00	0.00	2.30	-0.0010	2.57	2.58	193
25YR24HR-HT	N-BV-S29	0.00	0.00	2.26	0.0039	6.49	6.47	116
25YR24HR-HT	N-BV-S29B	0.00	0.00	2.30	-0.0005	4.59	4.13	4033
25YR24HR-HT	N-BV-S31	0.00	0.00	2.39	-0.0008	1.04	1.07	100
25YR24HR-HT	N-BV-S31B	0.00	0.00	2.41	-0.0001	1.09	1.04	600
25YR24HR-HT	N-BV-S32	0.00	0.00	2.38	-0.0010	2.30	1.94	540
25YR24HR-HT	N-BV-S33	0.00	0.00	2.38	0.0008	0.91	0.98	100
25YR24HR-HT	N-BV-S33B	0.00	0.00	2.40	-0.0001	0.95	0.91	506
25YR24HR-HT	N-BV-S34	0.00	0.00	2.37	0.0010	3.33	3.33	100
25YR24HR-HT	N-BV-S34B	0.00	0.00	2.40	-0.0006	3.30	2.67	2794
25YR24HR-HT	N-BV-S35	0.00	0.00	2.38	-0.0006	1.35	1.43	249
25YR24HR-HT	N-BV-S36	0.00	0.00	2.40	-0.0008	1.32	1.35	100
25YR24HR-HT	N-BV-S36B	0.00	0.00	2.40	-0.0005	2.10	1.90	2750
25YR24HR-HT	N-BV-S37	0.00	0.00	2.30	0.0010	3.95	2.73	297

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
25YR24HR-HT	N-DN-S14	0.00	0.00	2.49	0.0009	2.25	2.23	152
25YR24HR-HT	N-DN-S14B	0.00	0.00	2.89	-0.0001	3.64	3.61	2937
25YR24HR-HT	N-DN-S15	0.00	0.00	2.28	0.0010	6.52	6.51	477
25YR24HR-HT	N-DN-S15B	0.00	0.00	2.36	0.0004	3.58	3.31	2307
25YR24HR-HT	N-DN-S17	0.00	0.00	2.30	0.0008	3.69	3.70	224
25YR24HR-HT	N-DN-S17B	0.00	0.00	2.35	0.0004	3.10	3.01	1042
25YR24HR-HT	N-DN-S18	0.00	0.00	2.36	0.0010	1.47	1.48	100
25YR24HR-HT	N-DN-S18B	0.00	0.00	2.37	-0.0004	2.86	2.73	3515
25YR24HR-HT	N-DN-S19	0.00	0.00	1.99	0.0018	1.78	1.21	100
25YR24HR-HT	N-DN-S19B	0.00	0.00	2.13	-0.0001	1.21	1.21	505
25YR24HR-HT	N-DN-S20	0.00	0.00	1.98	0.0038	3.84	2.70	100
25YR24HR-HT	N-DN-S20B	0.00	0.00	2.15	-0.0001	1.50	1.49	714
25YR24HR-HT	N-JA-S01	0.00	0.00	2.61	0.0010	1.01	0.98	100
25YR24HR-HT	N-JA-S01B	0.00	0.00	3.31	0.0000	1.60	1.60	973
25YR24HR-HT	N-JA-S02	0.00	0.00	2.60	0.0010	1.98	1.97	208
25YR24HR-HT	N-JA-S03	0.00	0.00	2.61	0.0010	1.02	0.99	100
25YR24HR-HT	N-JA-S03B	0.00	0.00	3.31	0.0000	1.51	1.51	924
25YR24HR-HT	N-JA-S04	0.00	0.00	2.57	0.0009	2.59	2.56	100
25YR24HR-HT	N-JA-S04B	0.00	0.00	2.72	-0.0001	2.67	2.59	1768
25YR24HR-HT	N-JA-S05	0.00	0.00	2.52	-0.0010	4.54	4.55	456
25YR24HR-HT	N-JA-S06	0.00	0.00	2.48	0.0017	5.11	5.10	135
25YR24HR-HT	N-JA-S06B	0.00	0.00	2.71	-0.0001	2.62	2.59	1749
25YR24HR-HT	N-JA-S07	0.00	0.00	2.32	0.0020	7.11	7.11	158
25YR24HR-	N-JA-S07B	0.00	0.00	2.90	-0.0001	1.48	1.47	927

Sim Name	Node Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
HT								
25YR24HR-HT	N-JA-S08	0.00	0.00	2.43	0.0010	5.67	5.68	661
25YR24HR-HT	N-JA-S09	0.00	0.00	2.45	0.0010	1.47	1.45	100
25YR24HR-HT	N-JA-S09B	0.00	0.00	2.90	-0.0001	1.47	1.47	923
25YR24HR-HT	N-JA-S10	0.00	0.00	2.57	0.0010	1.06	1.02	100
25YR24HR-HT	N-JA-S10B	0.00	0.00	2.63	-0.0001	1.07	1.06	536
25YR24HR-HT	N-JA-S11	0.00	0.00	2.56	0.0010	2.26	2.28	262
25YR24HR-HT	N-JA-S12	0.00	0.00	2.57	0.0010	1.28	1.24	100
25YR24HR-HT	N-JA-S12B	0.00	0.00	2.65	-0.0002	1.30	1.28	723
25YR24HR-HT	SLL_BNDRY	0.00	0.00	1.80	0.0001	67.30	2.13	0
25YR24HR-HT	SLL_BNDRY 2	0.00	0.00	1.80	0.0001	38.31	19.75	0

Node: SLL_BNDRY

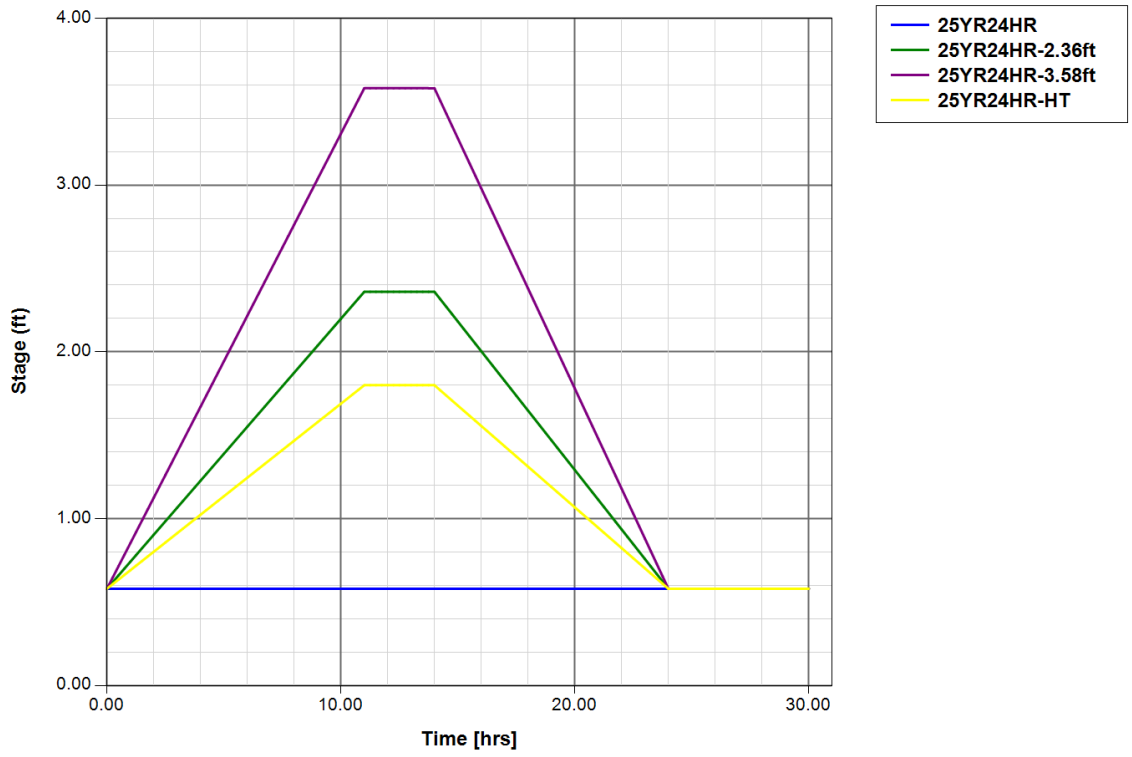
Scenario: 01 Existing Conditions
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.58 ft
Warning Stage: 0.00 ft
Alert Stage: 0.00 ft
Boundary Stage: SLL_BNDRY

Comment:

Node Max Conditions w/ Times [01 Existing Conditions]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
SLL_BNDRY	25YR24HR	0.00	0.00	0.58	0.0000	72.93	2.10	0	0.0000	0.0000	12.0855	0.0096
SLL_BNDRY	25YR24HR-2.36ft	0.00	0.00	2.36	0.0002	72.56	2.70	0	11.0003	0.4417	12.1537	10.5448
SLL_BNDRY	25YR24HR-3.58ft	0.00	0.00	3.58	0.0003	90.05	46.05	0	11.0000	1.4300	12.0388	10.9996
SLL_BNDRY	25YR24HR-HT	0.00	0.00	1.80	0.0001	67.30	2.13	0	11.0000	0.2577	12.1738	0.0096

Stage [Node: SLL_BNDRY]



Node: SLL_BNDRY2

Scenario:	01 Existing Conditions
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	0.58 ft
Warning Stage:	0.00 ft
Alert Stage:	0.00 ft
Boundary Stage:	SLL_BNDRY

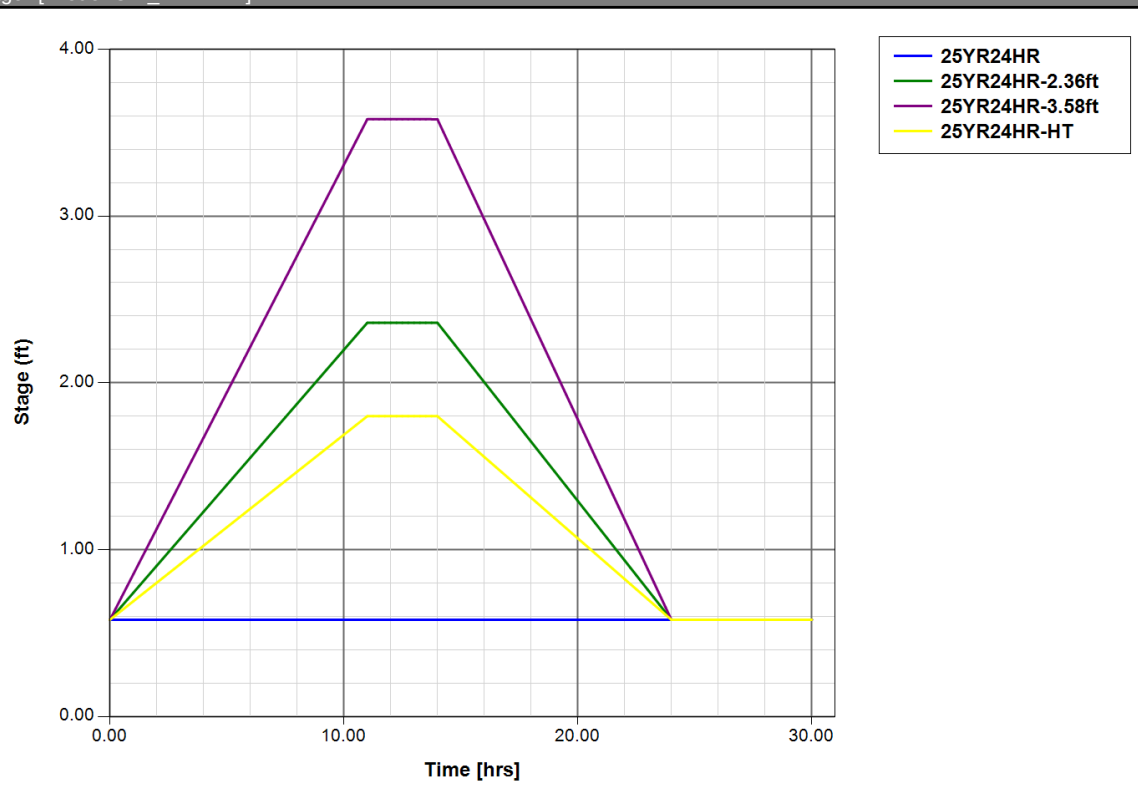
Comment:

Node Max Conditions w/ Times [01 Existing Conditions]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta	Time to Max Total Inflow	Time to Max Total Outflow

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
SLL_BNDRY2	25YR24HR	0.00	0.00	0.58	0.0000	29.53	0.00	0	0.0000	0.0000	12.0352	29.7362
SLL_BNDRY2	25YR24HR-2.36ft	0.00	0.00	2.36	0.0002	18.20	0.47	0	11.0003	0.4417	12.3313	10.2692
SLL_BNDRY2	25YR24HR-3.58ft	0.00	0.00	3.58	0.0003	17.37	11.10	0	11.0000	1.4300	16.9606	10.9999
SLL_BNDRY2	25YR24HR-HT	0.00	0.00	1.80	0.0001	22.56	0.03	0	11.0000	0.2577	12.3060	0.0312

Stage [Node: SLL_BNDRY2]



Node: SLL_BNDRY

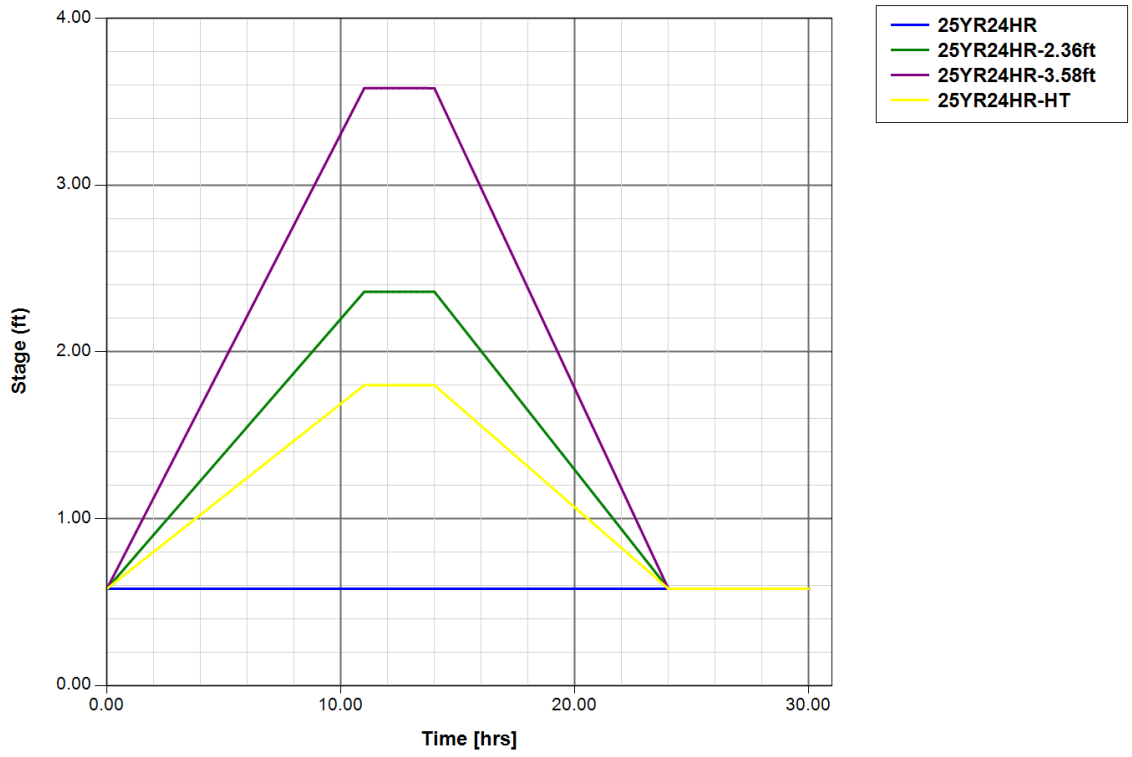
Scenario: 02 Proposed Conditions
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.58 ft
Warning Stage: 0.00 ft
Alert Stage: 0.00 ft
Boundary Stage: SLL_BNDRY

Comment:

Node Max Conditions w/ Times [02 Proposed Conditions]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
SLL_BNDRY	25YR24HR	0.00	0.00	0.58	0.0000	72.93	2.10	0	0.0000	0.0000	12.0861	0.0096
SLL_BNDRY	25YR24HR-2.36ft	0.00	0.00	2.36	0.0001	72.55	2.59	0	11.0000	0.8957	12.1535	10.5359
SLL_BNDRY	25YR24HR-3.58ft	0.00	0.00	3.58	0.0001	89.96	45.98	0	11.0001	6.5698	12.0414	10.9999
SLL_BNDRY	25YR24HR-HT	0.00	0.00	1.80	0.0001	67.30	2.13	0	11.0000	0.4715	12.1748	0.0096

Stage [Node: SLL_BNDRY]



Node: SLL_BNDRY2

Scenario:	02 Proposed Conditions
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	0.58 ft
Warning Stage:	0.00 ft
Alert Stage:	0.00 ft
Boundary Stage:	SLL_BNDRY

Comment:

Node Max Conditions w/ Times [02 Proposed Conditions]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta	Time to Max Total Inflow	Time to Max Total Outflow

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
SLL_BNDRY2	25YR24HR	0.00	0.00	0.58	0.0000	40.53	19.75	0	0.0000	0.0000	12.0904	0.0008
SLL_BNDRY2	25YR24HR-2.36ft	0.00	0.00	2.36	0.0001	32.86	19.76	0	11.0000	0.8957	12.1799	0.0008
SLL_BNDRY2	25YR24HR-3.58ft	0.00	0.00	3.58	0.0001	24.94	19.76	0	11.0001	6.5698	12.3822	0.0008
SLL_BNDRY2	25YR24HR-HT	0.00	0.00	1.80	0.0001	38.31	19.75	0	11.0000	0.4715	12.1037	0.0008

Stage [Node: SLL_BNDRY2]