

Stormwater Management Report

Engineering Calculations & Supplementary Documents
Supporting a Surface Water Management System Serving

Old Palm City “Ripple” Water Quality & Eco-Art Project Conceptual Design Phase

Prepared for:



Martin County
Office of Community Development

Prepared By:



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1. PROJECT DESCRIPTION

Martin County is proposing construction of the Old Palm City “Ripple” Water Quality & Eco-Art Project (Ripple). The project will improve water quality and flood attenuation in the 20.26-acre basin through the construction of stormwater treatment and storage areas at four county owned properties in Palm City. The project also includes a community art component that will be incorporated into the design. The project is located within Section 17, Township 38 South, Range 41 East in Martin County, Florida.

The location of the project with the four sites being utilized for stormwater management and water quality improvement highlighted is presented in **Appendix A** in the Existing and Proposed Conditions Basin Maps.

2. GENERAL DRAINAGE DESIGN CRITERIA

2.1. SWMS MODELING

An Advanced Inter-Connected Pond Routing (AdICPR) model has been developed and implemented as part of the engineering analysis for the proposed project.

2.2. RAINFALL DEPTH AND DURATION

The design rainfall depths for the project area have been obtained from Appendix C in SFWMD Volume II and are summarized in **Table 2.3.1** below.

Table 2.3.1 – Design Rainfall Depths

Storm Event	Design Purpose	Rainfall Depth (in)
3-year/24-hour	Martin County Design Storm	5.0
10-year/24-hour	Minimum Road Crown Elevation	6.8
25-year/72-hour	Design Storm	11.0
100-year/72-hour	Minimum Finish Floor Elevation	14.0

2.3. ALLOWABLE DISCHARGE RATE

The project has been designed such that the peak discharge rate of the design storm events have been decreased from the pre-development conditions to the post-development conditions. The amount of reduction is based on the land available for stormwater treatment within the project.

2.4. FEMA FLOOD ELEVATION

According to FEMA Flood Insurance Rate Map Panel 12085C0142G, the project area is almost entirely located in Special Flood Zone Hazard Area (SFHA), Zone AE, with a base

flood elevation varying between 6 FT-NAVD and 7 FT-NAVD. A copy of this map is available as **Appendix B**.

It should be noted that these flood elevations include the effects of surge and wind driven wave action on the shoreline and adjacent areas.

2.4.1. FLOOD PLAIN IMPACT

Development within the flood plain requires additional analysis to ensure the project does not cause negative impacts to others within the flood plain. As such, an analysis was performed for the proposed project on its net impacts on the flood plain. The overall drainage basin was determined to be an importer, storing approximately 5.39 ac-ft of flood water on top of the runoff from the 100-year, 3-day storm event for the drainage basin. The proposed work within the drainage basin results in storage of approximately 8.90 ac-ft of flood water on top of the runoff from the 100-year, 3-day storm event for the drainage basin. The net result of the proposed project is then 3.50 ac-ft of additional storage within the flood plain. The flood plain impact calculations are provided within **Appendix B**.

2.5. BOUNDARY CONDITIONS

In order to more accurately model the effectiveness of the proposed project under rainfall driven events independent of the surge and wind driven events used for FEMA coastal flood studies, the FEMA SFHA elevation was not utilized in the modeling of the proposed system. The most appropriate tailwater elevation for the St. Lucie River was determined to be that used in the All-American Ditch Stormwater Quality Retrofit project located approximately 0.5 miles to the south of this project. The boundary tailwater stages are summarized in **Table 2.5.1** below.

Table 2.5.1 – Boundary Tailwater Stages

St. Lucie River Tailwater		
Time hrs	Stage ft NGVD	Stage ft NAVD
0		0.50
24		0.50
60		1.00
360		0.50

3. SITE DESCRIPTIONS AND RESULTS

3.1. SITE 1 – NORTHERN PARCEL

3.1.1. EXISTING CONDITIONS

The northwest parcel is adjacent to SW 28th Street, to its south. This parcel is also generally bounded to the east by SW Cornell Avenue, to the north by SW 27th Street, and to the west by SW Feroe Avenue. The parcel is entirely classified as Exotic Wetland Hardwoods per a Florida Land Use, Cover and Forms Classification System (FLUCFCS) study performed for this project. An 18" CMP culvert directs flow from the northwest parcel to the middle parcel under SW 28th Street.

Site 1 consists of Basin B-1 in the existing conditions basin map.

3.1.2. PROPOSED CONDITIONS

This project proposes primarily wetland restoration for Site 1. This will include the removal of exotics and the construction of a shell rock trail throughout the site. The shell rock trail is proposed to be set at a minimum of the 25-year, 3-day storm event stage. In addition, a control structure is proposed with a bleeder set at the control elevation of 2.10' NAVD and a weir with a top set at the water quality elevation.

A roadside swale is proposed between Site 1 and SW 28th Street. This swale will be controlled via a control structure discharging into Site 1. See the conceptual plans for more information.

Site 1 consists of Basin B-1A and Basin B-1B in the proposed conditions basin map.

3.1.3. CONTROL ELEVATION

The control elevation for Site 1 is proposed to be 2.10' NAVD. Based on existing site conditions, this will correspond with a wet detention system being proposed for the site.

3.1.4. PEAK FLOW REDUCTION

The 3-year, 1-day and the 25-year, 3-day storm events were used as the design storms to ensure peak flows were reduced from existing to proposed conditions. Table 3.1.5.1 provides the pre- and post-development flow rates for Site 1.

Table 3.1.5.1 – Pre- and Post-Development Peak Flow Rates

Storm Event	Existing Peak Discharge (cfs)	Proposed Peak Discharge (cfs)
3-year/24-hour	1.97	0.29
25-year/72-hour	4.67	2.60

Figure 3.1.5.1 – 3-year/24-hour Pre vs Post Discharge Hydrograph Comparison

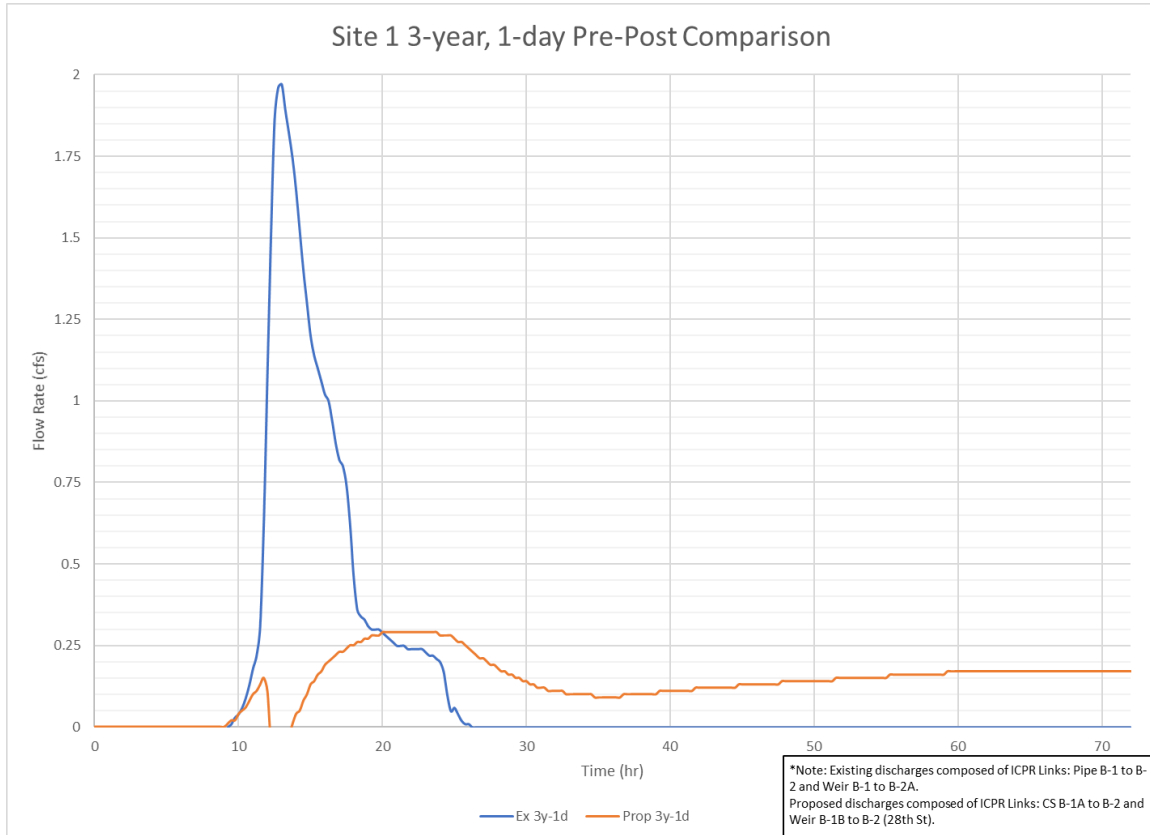
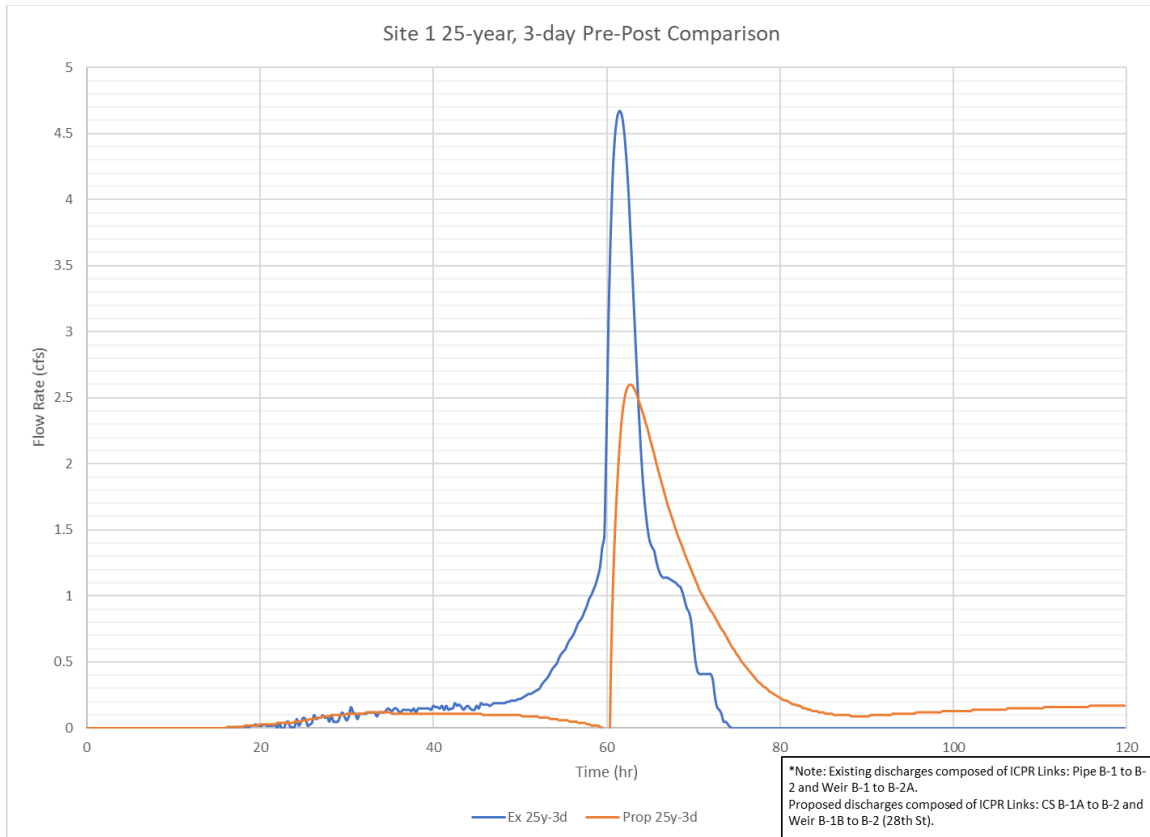


Figure 3.1.5.2 – 25-year/72-hour Pre vs Post Discharge Hydrograph Comparison



3.2. SITE 2 – CENTRAL PARCEL

3.2.1. EXISTING CONDITIONS

The middle parcel is bounded to its north by SW 28th Street and to its south by SW 29th Street. It is also generally bounded to the east by SW Cornell Avenue and to the west by SW Feroe Avenue. It is classified almost entirely by the FLUCFCS study performed for this project as Undeveloped Lands Within Urban Areas with a small Ditch meandering through it. Flow is directed from the middle parcel to the southeast parcel via a series of catch basins and 18" CMPs under SW 29th Street.

Site 2 consists of Basin B-2A and Basin B-2B in the existing conditions basin map.

3.2.2. PROPOSED CONDITIONS

This project proposes a bio-swale generally along the route of the existing channel with a dry detention storage area along the bio-swale banks and a continuation of the trail system from Site 1. The shell rock trail is proposed to be set at a minimum of the 25-year, 3-day storm event stage. In addition, a control structure is proposed with a bleeder set at the control elevation of 1.50' NAVD and a weir with a top set at the water quality elevation. See the conceptual plans for more information.

Site 2 consists of Basin B-2 in the proposed conditions basin map.

3.2.3. CONTROL ELEVATION

The control elevation for Site 2 is proposed to be 1.50' NAVD. Based on existing site conditions, this will correspond with a wet detention system being proposed for the site.

3.2.4. PEAK FLOW REDUCTION

The 3-year, 1-day and the 25-year, 3-day storm events were used as the design storms to ensure peak flows were reduced from existing to proposed conditions. Table 3.2.5.1 provides the pre- and post-development flow rates for Site 2.

Table 3.2.5.1 – Pre- and Post-Development Peak Flow Rates

Storm Event	Existing Peak Discharge (cfs)	Proposed Peak Discharge (cfs)
3-year/24-hour	3.63	0.60
25-year/72-hour	14.72	6.89

Figure 3.2.5.1 – 3-year/24-hour Pre vs Post Discharge Hydrograph Comparison

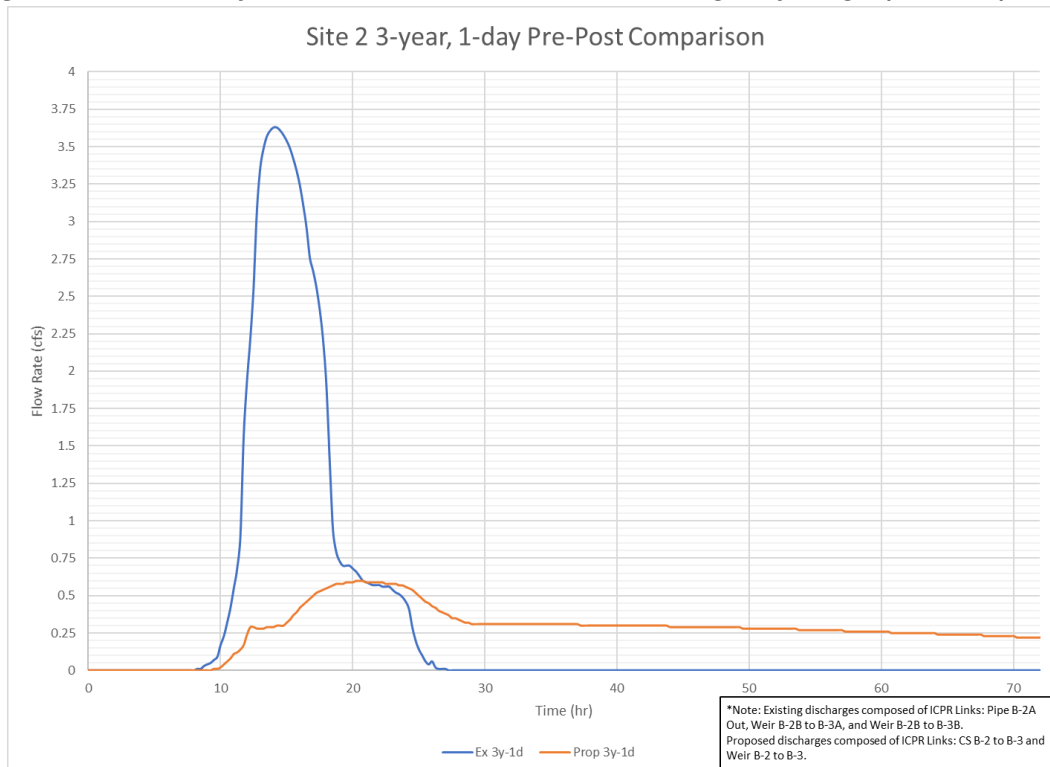
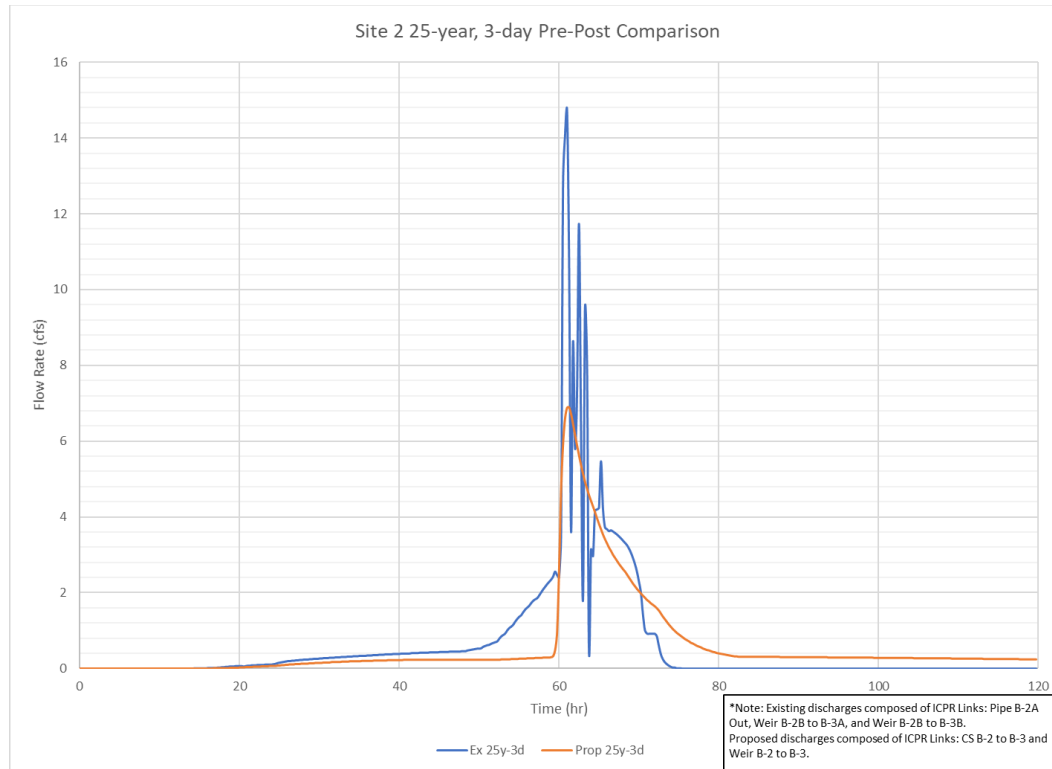


Figure 3.2.5.2 – 25-year/72-hour Pre vs Post Discharge Hydrograph Comparison



3.3. SITE 3 – SOUTHERN PARCEL

3.3.1. EXISTING CONDITIONS

The southeast parcel is bounded to its north by SW 29th Street and to its east by SW Cornell Avenue. It is also generally bounded to the south by SW 29th Terrace and to the west by SW Feroe Avenue. It is classified almost entirely by the FLUCFCS study performed for this project as Brazilian Pepper and Melaleuca with a Ditch running along the parcel's north, east, and south boundaries. Flow is directed from the southeast parcel to the ultimate outfall in the South Fork St. Lucie River via a 24" CMP under SW Cornell.

Site 3 consists of Basin B-3A and Basin B-3B in the existing conditions basin map.

3.3.2. PROPOSED CONDITIONS

This project proposes a deep wet detention pond with regraded swales along the south side of SW 29th Street and the west side of SW Cornell Avenue. The swales will have structures to discharge into the pond on Site 3. The south and west top of banks for the pond (adjacent to existing properties) are proposed to be set at a minimum of the 25-year, 3-day storm event stage. In addition, a control structure is proposed with a bleeder set at the control elevation of 0.50' NAVD and a weir with a top set at the water quality elevation. See the conceptual plans for more information.

Site 3 consists of Basin B-3 in the proposed conditions basin map.

3.3.3. CONTROL ELEVATION

The control elevation for Site 3 is proposed to be 0.50' NAVD. Based on existing site conditions, this will correspond with a wet detention system being proposed for the site.

3.3.4. PEAK FLOW REDUCTION

The 3-year, 1-day and the 25-year, 3-day storm events were used as the design storms to ensure peak flows were reduced from existing to proposed conditions. Table 3.3.5.1 provides the pre- and post-development flow rates for Site 3.

Table 3.3.5.1 – Pre- and Post-Development Peak Flow Rates

Storm Event	Existing Peak Discharge (cfs)	Proposed Peak Discharge (cfs)
3-year/24-hour	5.66	3.91
25-year/72-hour	21.89	19.12

Figure 3.3.5.1 – 3-year/24-hour Pre vs Post Discharge Hydrograph Comparison

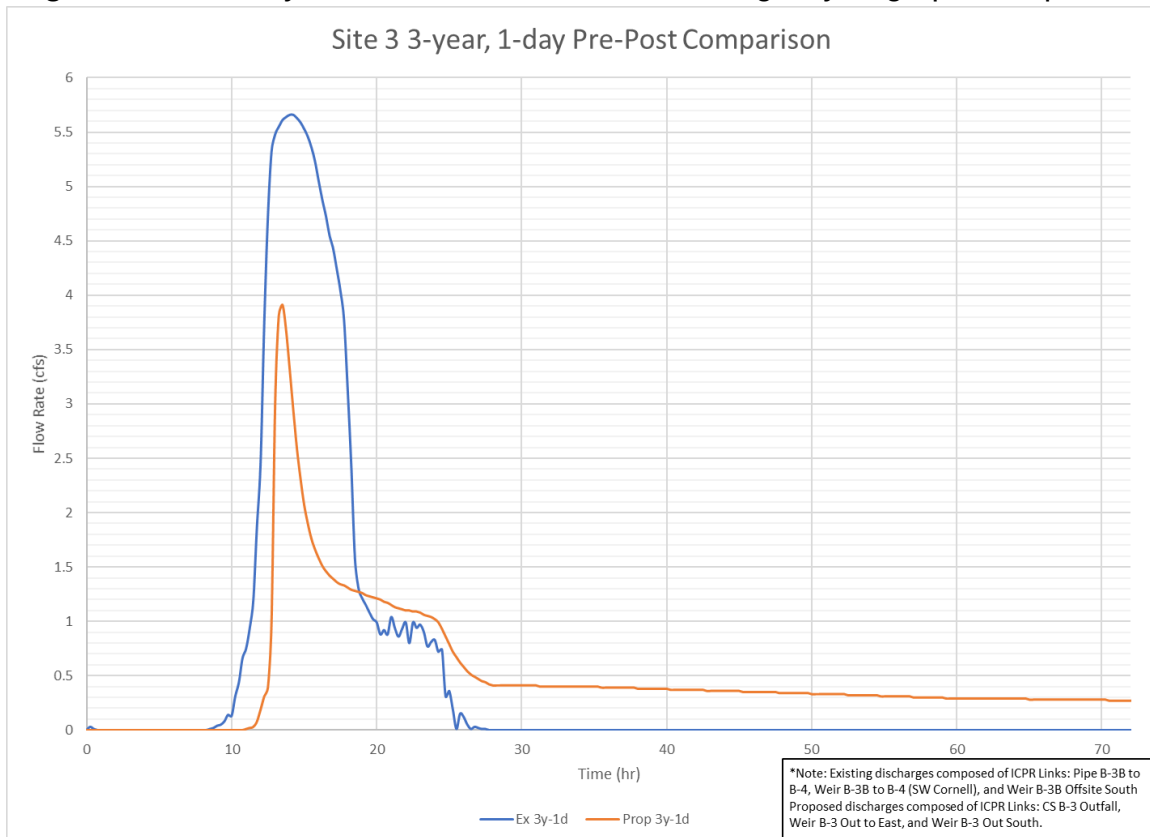
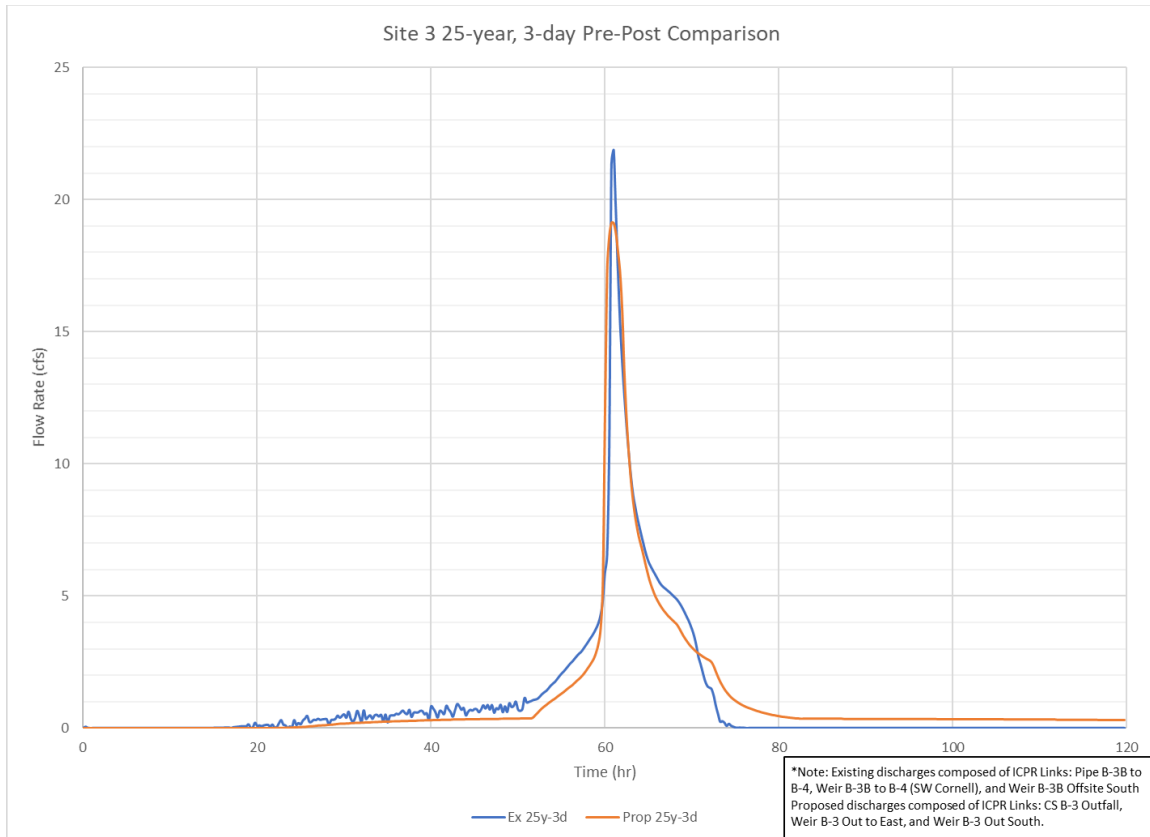


Figure 3.3.5.2 – 25-year/72-hour Pre vs Post Discharge Hydrograph Comparison



3.4. SITE 4 – EASTERN PARCEL

3.4.1. EXISTING CONDITIONS

The eastern parcel is located at the far eastern end of SW 29th Street. It is classified almost entirely by the FLUCFCS study performed for this project as Undeveloped Lands within Urban Areas. Flow is currently entirely sheet flow from the small contributing area depicted as Basin B-4B within the Proposed Conditions Basin Map in **Appendix A**.

3.4.2. PROPOSED CONDITIONS

This project proposes a series of dry detention ponds located at the eastern end of SW 29th Street with a shell rock trail through and around the ponds. A control structure is proposed with a bleeder set at the control elevation of 0.50' NAVD and the top of the structure set at the water quality elevation. See the conceptual plans for more information.

Site 4 consists of Basin B-4B in the proposed conditions basin map.

3.4.3. CONTROL ELEVATION

The control elevation for Site 4 is proposed to be 0.50' NAVD. Based on existing site conditions, this will correspond with a dry detention system being proposed for the site.

3.4.4. PEAK FLOW REDUCTION

The existing conditions allow for uncontrolled flow directly into the St. Lucie River. Due to the proposed installation of a control structure with a series of ponds to provide storage, the peak flow rate from the contributing area will naturally reduce. The 3-year, 1-day and the 25-year, 3-day storm events compared below are for the entire project drainage basin. These storm events were used as the design storms to ensure peak flows were reduced from existing to proposed conditions. Table 3.4.5.1 provides the pre- and post-development flow rates for the entire Ripple project drainage basin.

Table 3.4.5.1 – Pre- and Post-Development Peak Flow Rates (Entire Basin)

Storm Event	Existing Peak Discharge (cfs)	Proposed Peak Discharge (cfs)
3-year/24-hour	7.46	4.23
25-year/72-hour	27.59	22.24

Figure 3.4.5.1 – 3-year/24-hour Pre vs Post Discharge Hydrograph Comparison

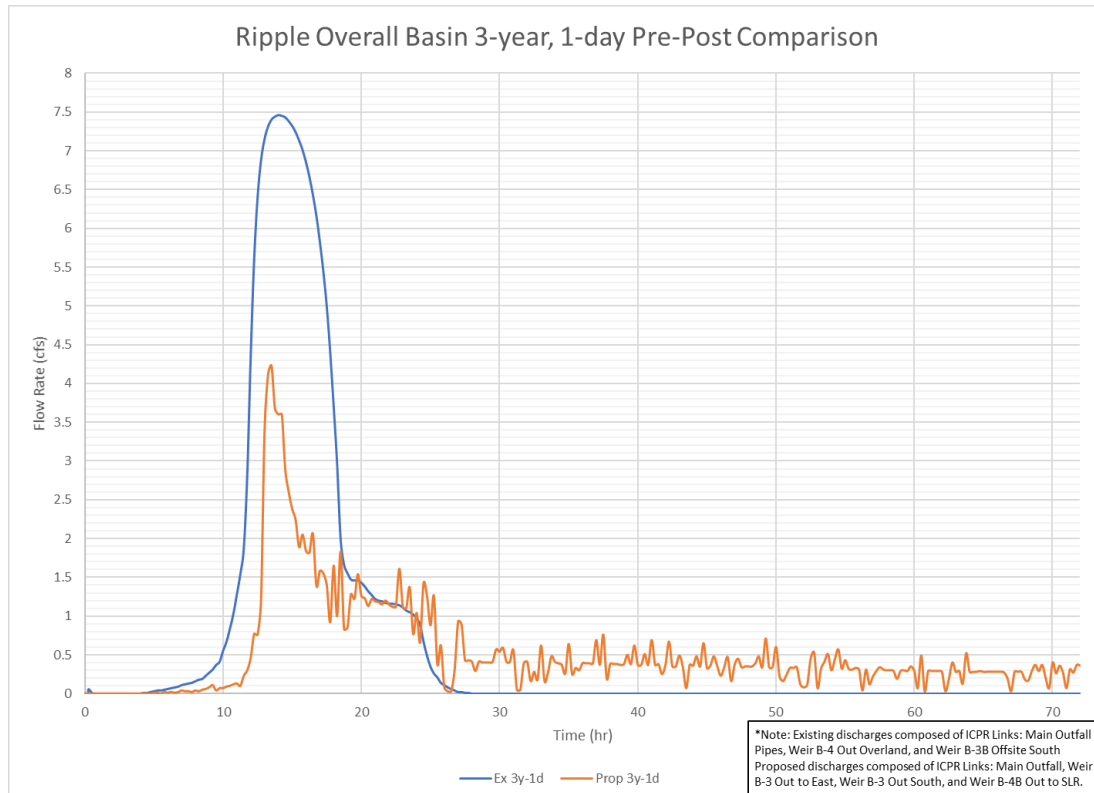
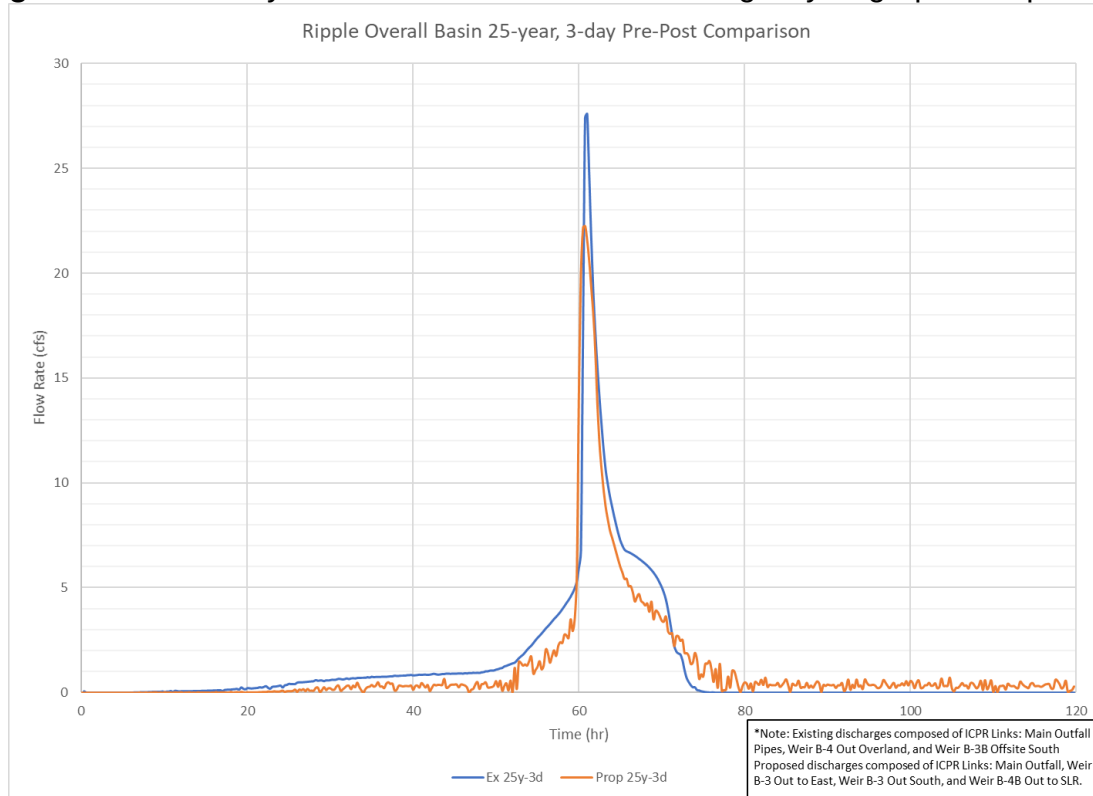


Figure 3.4.5.2 – 25-year/72-hour Pre vs Post Discharge Hydrograph Comparison



3.5. WATER QUALITY

Each drainage sub-basin was analyzed utilizing Martin County land development regulations which require water quality treatment equal to 3" over the percent impervious of a site. The sub-basins were also analyzed using SFWMD water quality criteria, which requires the greater of 1" over the project area or 2.5" over the percent impervious minus lakes and roofs. The water quality volume was set as high as feasible at each site location, but due to site constraints, the full Martin County criteria was determined to be unfeasible for some of the sites. To provide the highest level of service as possible, while still providing improved water quality benefits, the project was designed such that the accumulative water quality volume provided over the entire project equates to 1" over the total basin area. A total of 1.69 ac-ft of water quality volume is provided over the four project sites. Table 3.5.1 provides a landuse summary for the entire drainage basin along with a summary of the water quality volumes provided at each site.

This design will still capture the majority of storm events within the basin and provides water quality exceeding existing conditions, providing substantial water quality benefits to receiving waters.

Table 3.5.1 – Landuse and Water Quality Summary

Old Palm City Ripple Stormwater Landuse Summary						
Proposed Conditions						
Basin Name	Total Basin Area (Ac.)	Buildings (Ac.)	Impervious Area (Ac.)	Pervious Area (Ac)	Lake Area (Ac)	Water Quality Volume Provided (ac-ft)
B-1A	3.16	0.35	0.31	2.49	0.00	0.53
B-1B	1.34	0.20	0.45	0.69	0.00	0.03
B-2	5.49	0.94	0.97	3.58	0.00	0.55
B-3	7.15	1.11	1.13	4.65	0.25	0.52
B-4A	2.44	0.34	0.69	1.40	0.00	
B-4B	0.69	0.05	0.18	0.45	0.00	0.07
Totals	20.26	3.00	3.74	13.28	0.25	1.69

Inches WQ Treatment Provided over Whole Drainage Basin = 1.00

3.6. PEAK STAGES

Table 3.6.1 provides a summary of the peak stages for the design storm events.

Table 3.6.1 – Peak Stage Summary

	3-year, 1-day	10-year, 1-day	25-year, 3-day	100-year, 3-day Zero Discharge
Site 1	3.92	4.18	4.76	5.33
Site 2	3.84	4.04	4.49	5.33
Site 3	2.18	2.35	2.71	5.33
Site 4	2.35	2.41	2.49	5.33

APPENDICES

Appendix A
Pre and Post Development Basin Map



Drawing Name: C:\Users\GEP\OneDrive\Shared\Projects\2018\18-003 MC Old Palm Ripple Stormwater\Drawings\Basin Mapping\Layout Name: SHEET - Date: 6/25/2018 - 12:13 PM - GEP

DATE	BY	REVISIONS

Date: 3/20/2018
Scale: 1"=80'
Design By: JLS/BF
Drawn By: JLS
Check By: LDG/BF



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OLD PALM CITY RIPPLE STORMWATER PROJECT
MARTIN COUNTY, FLORIDA
EXISTING CONDITIONS BASIN MAP



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NOTES:
1. ELEVATIONS REFERENCE NAVD 88.
2. BASIN BOUNDARIES DETERMINED BASED ON TOPOGRAPHIC SURVEY BY AVIROM & ASSOCIATES, DATED 12/12/2017. ALSO DETERMINED BASED ON 6" CONTOURS PROVIDED BY MARTIN COUNTY.

LEGEND

- DR PIPE LINK
- ST CHANNEL LINK
- WEIR LINK
- FEMA FLOOD ZONE LIMITS
- NODES
- BASIN BOUNDARY
- MARTIN COUNTY OWNED PROPERTY

Drawing Name: C:\Users\jarrad\Shared Folders\GIS\Projects\2018\18-003 MC Old Palm Ripple Stormwater\Drawings\Prop Basin Map.dwg Layout Name: SHEET - Plotted by: jarrad - Date: 9/20/2019 - 4:03 PM - GP

DATE	BY	REVISIONS

Date: 6/6/2018
Scale: 1"=80'
Design By: JLS/BF
Drawn By: JLS
Check By: LDG/BF



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OLD PALM CITY RIPPLE STORMWATER PROJECT
MARTIN COUNTY, FLORIDA
PROPOSED CONDITIONS BASIN MAP

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Appendix B
FEMA Floodplain Map

National Flood Hazard Layer FIRMette



Legend

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

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
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



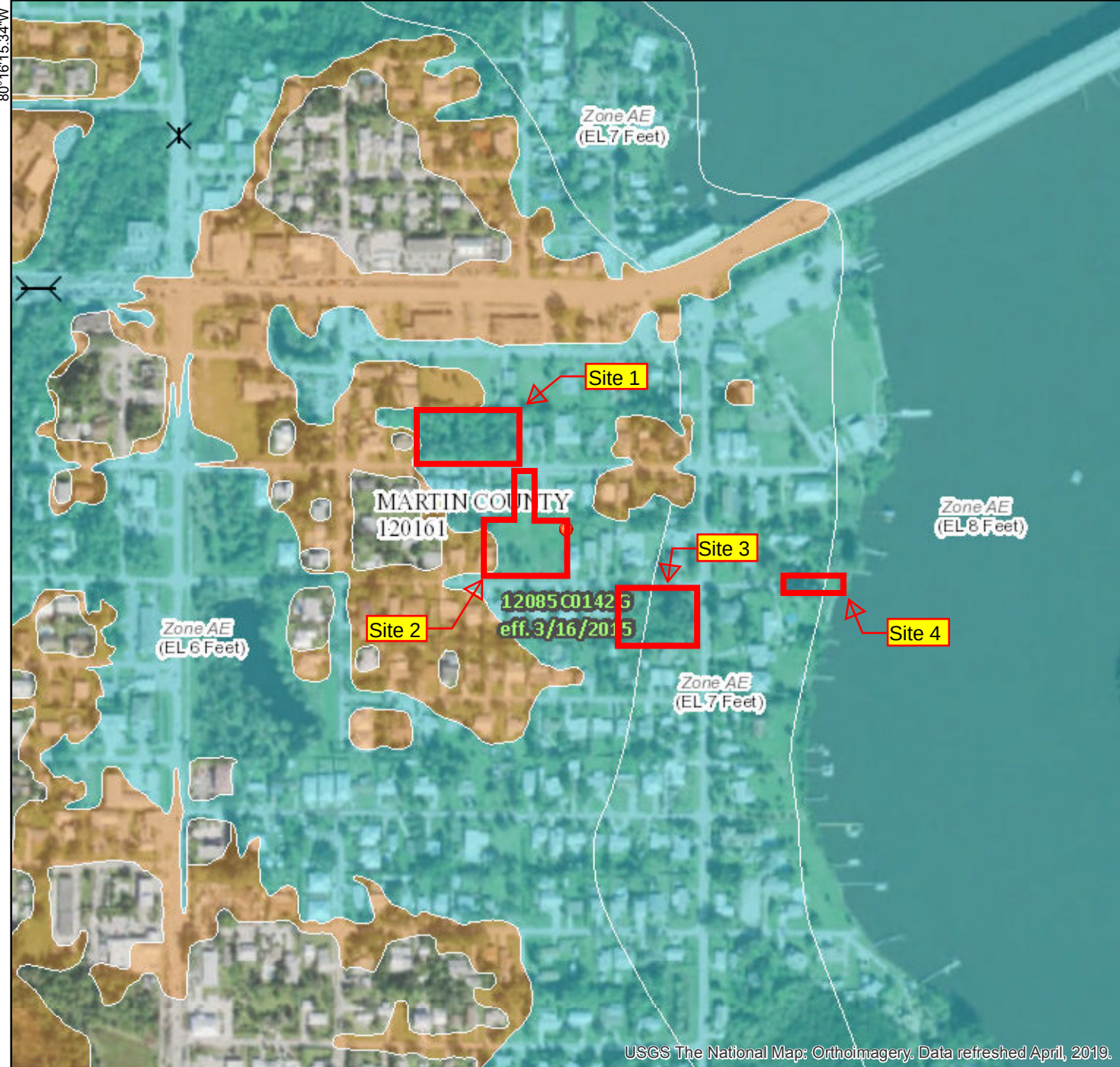
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **7/25/2019 at 1:01:46 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

27°10'28.87"N



USGS The National Map: Orthoimagery. Data refreshed April, 2019.

0 250 500 1,000 1,500 2,000 Feet 1:6,000

27°9'56.86"N

80°15'37.88"W

Project Name: Old Palm City Stormwater Project
Project #: 18-003
Engineer: JLS
Date: 6/13/2019

Engineer: JLS
Revision Date: 9/30/2019

Flood Plain Compensation Calculations

FEMA Panel 12085C0142G Flood Zone AE Elevation 6 ft-NAVD
 7 ft-NAVD (flood elevation changes from 6 to 7 west of SW Cornell Avenue)

	Basin B-1		Basin B-2A		Basin B-2B		Basin B-3A		Basin B-3B		Basin B-4		Project Total	
	(ac-ft)	(ft-NGVD)	(ac-ft)	(ft-NGVD)	(ac-ft)	(ft-NGVD)	(ac-ft)	(ft-NGVD)	(ac-ft)	(ft-NGVD)	(ac-ft)	(ft-NGVD)	(ac-ft)	
Pre-development Runoff Volume (100/3)	3.84	---	1.58	---	3.43	---	0.83	---	4.66	---	3.69	---	18.03	from ICPR model
Pre-development Storage in Flood Plain	2.58	6.00	0.83	6.00	3.71	6.00	0.56	6.00	10.06	7.00	9.13	7.00	26.87	
Difference	1.26	---	0.75	---	-0.28	---	0.27	---	-5.40	---	-5.44	---	-8.84	project is an exporter

	Basin B-1A		Basin B-1B		Basin B-2		Basin B-3		Basin B-4A		Basin B-4B		Project Total	
	(ac-ft)	(ft-NGVD)	(ac-ft)	(ft-NGVD)	(ac-ft)	(ft-NGVD)	(ac-ft)	(ft-NGVD)	(ac-ft)	(ft-NGVD)	(ac-ft)	(ft-NGVD)	(ac-ft)	
Post-development Runoff Volume (100/3)	2.80	---	1.18	---	4.49	---	5.86	---	2.08	---	0.72	---	17.13	from ICPR model
Post-development storage	3.80	6.00	0.59	6.00	4.70	6.00	10.58	6.00	4.67	7.00	2.60	7.00	26.94	
Difference	-1.00	---	0.59	---	-0.21	---	-4.72	---	-2.59	---	-1.88	---	-9.81	runoff imported in post development conditions

Post-development floodplain impact -- positive number indicates additional net storage within flood plain **0.97** net storage in flood plain in project

Appendix C

Existing Conditions Drainage Calculations

TIME OF CONCENTRATION WORKSHEET
Technical Release No.55, USDA NRCS

Project No: 18-003 Existing Conditions
 Date: 3/16/2018
 Engineer: JLS

SHEET FLOW:

Surface Description (table 3-1)
 Manning's Roughness Coeff., n (table 3-1)
 Flow Length, L (total L<= 300 ft) ft
 Two-yr 24-hr Rainfall, P2 in
 Land Slope, s ft/ft
 $T_t = \frac{0.007 (nL)^{0.8}}{(P2^{0.5})(s^{0.4})}$ hr

B-1	B-2A	B-2B	B-3A	B-3B	B-4
Dense Grass	Dense Grass	Dense Grass	Dense Grass	Dense Grass	Dense Grass
0.24	0.24	0.24	0.24	0.24	0.24
169	81.5	205	194	211	300
5	5	5	5	5	5
0.012	0.013	0.040	0.018	0.006	0.010
0.361	0.192	0.256	0.337	0.560	0.605

SHALLOW CONCENTRATED FLOW:

Surface Description (paved or unpaved)
 Flow Length, L ft
 Watercourse Slope, s ft/ft
 Average Velocity, V (figure 3-1) ft/s
 $T_t = \frac{L}{3600 * V}$ hr

B-1	B-2A	B-2B	B-3A	B-3B	B-4
Unpaved	Unpaved	Unpaved	Unpaved	Unpaved	Unpaved
364	427	201	254	203	643
0.0033	0.0033	0.0033	0.0060	0.0050	0.0080
1.17	1.17	1.17	1.57	1.44	1.82
0.087	0.102	0.048	0.045	0.039	0.098

CHANNEL FLOW:

Manning's Roughness Coeff., n ((FDOT DM Table 2.1)
 Cross Sectional Flow Area, a ft^2
 Wetted Perimeter, pw ft
 Hydraulic Radius, r=a/pw ft/ft
 Watercourse Slope, s ft/ft
 Velocity, V ft/s
 Flow Length, L ft
 $T_t = \frac{L}{3600 * V}$ hr

B-1	B-2A	B-2B	B-3A	B-3B	B-4
0.06	0.06	0.06	0.03	0.06	0.03
4.00	4.00	4.00	4.00	4.00	4.00
8.25	8.25	8.25	8.25	8.25	8.25
0.48	0.48	0.48	0.48	0.48	0.48
0.005	0.005	0.005	0.005	0.005	0.005
1.084	1.084	1.084	2.167	1.084	2.167
75	45	157.5	194	261	133
0.019	0.012	0.040	0.025	0.067	0.017

Total Tc hr
 Total Tc min

B-1	B-2A	B-2B	B-3A	B-3B	B-4
0.467	0.305	0.344	0.407	0.666	0.720
28	18	21	24	40	43

Old Palm City Ripple Stormwater Landuse Summary					
Existing Conditions					
Basin Name	Total Basin Area (Ac.)	Buildings (Ac.)	Impervious Area (Ac.)	Green Space (Ac)	Wetland Area (Ac)
B-1	4.50	0.55	0.66	2.52	0.77
B-2A	1.69	0.47	0.45	0.76	0.00
B-2B	3.80	0.42	0.39	2.99	0.00
B-3A	0.96	0.14	0.29	0.53	0.00
B-3B	5.40	0.85	0.58	3.64	0.33
B-4	3.46	0.50	0.92	2.03	0.00
	19.80				
Totals	19.80	2.94	3.30	12.47	1.10

CURVE NUMBER CALCULATION- SUB BASIN 1

Project No.: **18-003**

Engineer: **JLS**

Date: **2/7/2018**

Sub Basin Land Use

Use	Imp. (ac)	Pervious (ac)	Total (ac)
Buildings	0.55	0.00	0.55
Impervious Area	0.66	0.00	0.66
Green Space	0.00	2.52	2.52
Wetland Area	0.00	0.77	0.77
TOTAL =	1.21	3.29	4.50

Find Curve Number:

Avg. Pervious Ground El. =	6.25
Control Elevation =	2.04
Distance to Water Table =	4.21

Soil Storage Table

Depth to W.T. (ft)	Coastal Storage (in)	Flatwoods Storage (in)	Depression Storage (in)
1.0	0.6	0.6	0.6
1.5	1.6	1.6	1.4
2.0	2.5	2.5	2.1
2.5	4.6	4.0	3.3
3.0	6.6	5.4	4.4
3.5	8.8	7.2	5.6
4.0	10.9	9.0	6.8

Find the basin's soil classification and input below as "Soil Storage" using the above "Depth to W.T.".

Developed Pervious Area =	3.29	
Undeveloped Pervious Area =	0.00	
Soil Storage =	9.76	inches
Soil Moisture Storage (S) =	5.35	inches
Curve Number =	65.2	

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 2/7/2018
Engineer: JLS
Basin Name: SUB BASIN 1
Computation Type: Existing Condition Stage-Area
Datum: NAVD88

Starting Stage 2.5
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Wetland Area	
Area	0.55	0.66	2.52	0.77	
Start Elev	6.00	5.00	4.50	2.75	
End Elev		7.50	8.00	5.00	
Stage	Vert	Linear	Linear	Linear	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
2.50	0.00	0.00	0.00	0.00	0.00
2.60	0.00	0.00	0.00	0.00	0.00
2.70	0.00	0.00	0.00	0.00	0.00
2.80	0.00	0.00	0.00	0.02	0.02
2.90	0.00	0.00	0.00	0.05	0.05
3.00	0.00	0.00	0.00	0.09	0.09
3.10	0.00	0.00	0.00	0.12	0.12
3.20	0.00	0.00	0.00	0.15	0.15
3.30	0.00	0.00	0.00	0.19	0.19
3.40	0.00	0.00	0.00	0.22	0.22
3.50	0.00	0.00	0.00	0.26	0.26
3.60	0.00	0.00	0.00	0.29	0.29
3.70	0.00	0.00	0.00	0.32	0.32
3.80	0.00	0.00	0.00	0.36	0.36
3.90	0.00	0.00	0.00	0.39	0.39
4.00	0.00	0.00	0.00	0.43	0.43
4.10	0.00	0.00	0.00	0.46	0.46
4.20	0.00	0.00	0.00	0.50	0.50
4.30	0.00	0.00	0.00	0.53	0.53
4.40	0.00	0.00	0.00	0.56	0.56
4.50	0.00	0.00	0.00	0.60	0.60
4.60	0.00	0.00	0.07	0.63	0.70
4.70	0.00	0.00	0.14	0.67	0.81
4.80	0.00	0.00	0.22	0.70	0.92
4.90	0.00	0.00	0.29	0.73	1.02
5.00	0.00	0.00	0.36	0.77	1.13
5.10	0.00	0.03	0.43	0.77	1.23
5.20	0.00	0.05	0.50	0.77	1.33
5.30	0.00	0.08	0.58	0.77	1.42
5.40	0.00	0.11	0.65	0.77	1.52
5.50	0.00	0.13	0.72	0.77	1.62
5.60	0.00	0.16	0.79	0.77	1.72
5.70	0.00	0.18	0.87	0.77	1.82
5.80	0.00	0.21	0.94	0.77	1.92
5.90	0.00	0.24	1.01	0.77	2.01
6.00	0.55	0.26	1.08	0.77	2.67
6.10	0.55	0.29	1.15	0.77	2.77
6.20	0.55	0.32	1.23	0.77	2.86
6.30	0.55	0.34	1.30	0.77	2.96
6.40	0.55	0.37	1.37	0.77	3.06
6.50	0.55	0.39	1.44	0.77	3.16
6.60	0.55	0.42	1.51	0.77	3.26

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 2/7/2018
Engineer: JLS
Basin Name: SUB BASIN 1
Computation Type: Existing Condition Stage-Area
Datum: NAVD88

Starting Stage 2.5
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Wetland Area	
Area	0.55	0.66	2.52	0.77	
Start Elev	6.00	5.00	4.50	2.75	
End Elev		7.50	8.00	5.00	
Stage	Vert	Linear	Linear	Linear	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
6.70	0.55	0.45	1.59	0.77	3.36
6.80	0.55	0.47	1.66	0.77	3.45
6.90	0.55	0.50	1.73	0.77	3.55
7.00	0.55	0.53	1.80	0.77	3.65
7.10	0.55	0.55	1.87	0.77	3.75
7.20	0.55	0.58	1.95	0.77	3.85
7.30	0.55	0.60	2.02	0.77	3.95
7.40	0.55	0.63	2.09	0.77	4.04
7.50	0.55	0.66	2.16	0.77	4.14
7.60	0.55	0.66	2.24	0.77	4.21
7.70	0.55	0.66	2.31	0.77	4.29
7.80	0.55	0.66	2.38	0.77	4.36
7.90	0.55	0.66	2.45	0.77	4.43
8.00	0.55	0.66	2.52	0.77	4.50

Project:

Project No:

Date:

Engineer:

Basin Name:

Computation Type:

Datum:

Computation Type

Old Palm City Ripple Stormwater

18-003

43138

JLS

SUB BASIN 1

Existing Conditions Stage-Storage

NAVD88

Stage vs. Storage

Revision Date:

Engineer's Name:

Starting Stage

Ending Stage

Stage Increment

2.5

8.0

0.1 (Note: Increment must be a multiple of starting / ending elevations)

Name	Buildings	Impervious	Green Space	Wetland	
		Area		Area	
Area	0.55	0.66	2.52	0.77	
Start Elev	6.00	5.00	4.50	2.75	
End Elev	0.00	7.50	8.00	5.00	
Stage	Vert	Linear	Linear	Linear	Total
Feet	Storage	Storage	Storage	Storage	Storage
NAVD	Ac-ft	Ac-ft	Ac-ft	Ac-ft	Ac-ft
2.50	0.00	0.00	0.00	0.00	0.00
2.60	0.00	0.00	0.00	0.00	0.00
2.70	0.00	0.00	0.00	0.00	0.00
2.80	0.00	0.00	0.00	0.00	0.00
2.90	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.01	0.01
3.10	0.00	0.00	0.00	0.02	0.02
3.20	0.00	0.00	0.00	0.03	0.03
3.30	0.00	0.00	0.00	0.05	0.05
3.40	0.00	0.00	0.00	0.07	0.07
3.50	0.00	0.00	0.00	0.10	0.10
3.60	0.00	0.00	0.00	0.12	0.12
3.70	0.00	0.00	0.00	0.15	0.15
3.80	0.00	0.00	0.00	0.19	0.19
3.90	0.00	0.00	0.00	0.23	0.23
4.00	0.00	0.00	0.00	0.27	0.27
4.10	0.00	0.00	0.00	0.31	0.31
4.20	0.00	0.00	0.00	0.36	0.36
4.30	0.00	0.00	0.00	0.41	0.41
4.40	0.00	0.00	0.00	0.47	0.47
4.50	0.00	0.00	0.00	0.52	0.52
4.60	0.00	0.00	0.00	0.58	0.59
4.70	0.00	0.00	0.01	0.65	0.66
4.80	0.00	0.00	0.03	0.72	0.75
4.90	0.00	0.00	0.06	0.79	0.85
5.00	0.00	0.00	0.09	0.86	0.95
5.10	0.00	0.00	0.13	0.94	1.07
5.20	0.00	0.01	0.18	1.02	1.20
5.30	0.00	0.01	0.23	1.10	1.34
5.40	0.00	0.02	0.29	1.17	1.49
5.50	0.00	0.03	0.36	1.25	1.64
5.60	0.00	0.05	0.44	1.33	1.81
5.70	0.00	0.06	0.52	1.40	1.99
5.80	0.00	0.08	0.61	1.48	2.17
5.90	0.00	0.11	0.71	1.56	2.37
6.00	0.00	0.13	0.81	1.63	2.58
6.10	0.06	0.16	0.92	1.71	2.85
6.20	0.11	0.19	1.04	1.79	3.13
6.30	0.17	0.22	1.17	1.86	3.42
6.40	0.22	0.26	1.30	1.94	3.72
6.50	0.28	0.30	1.44	2.02	4.03
6.60	0.33	0.34	1.59	2.09	4.35
6.70	0.39	0.38	1.74	2.17	4.68
6.80	0.44	0.43	1.91	2.25	5.02
6.90	0.50	0.47	2.08	2.33	5.37
7.00	0.55	0.53	2.25	2.40	5.73
7.10	0.61	0.58	2.44	2.48	6.10
7.20	0.66	0.64	2.63	2.56	6.48
7.30	0.72	0.70	2.83	2.63	6.87
7.40	0.78	0.76	3.03	2.71	7.27
7.50	0.83	0.82	3.24	2.79	7.68

CURVE NUMBER CALCULATION- SUB BASIN 2A

Project No.: **18-003**

Engineer: **JLS**

Date: **2/7/2018**

Sub Basin Land Use

Use	Imp. (ac)	Pervious (ac)	Total (ac)
Buildings	0.47	0.00	0.47
Impervious Area	0.45	0.00	0.45
Green Space	0.00	0.76	0.76
Wetland Area	0.00	0.00	0.00
TOTAL =	0.93	0.76	1.69

Find Curve Number:

Avg. Pervious Ground El. =	5.75
Control Elevation =	2.04
Distance to Water Table =	3.71

Soil Storage Table

Depth to W.T. (ft)	Coastal Storage (in)	Flatwoods Storage (in)	Depression Storage (in)
1.0	0.6	0.6	0.6
1.5	1.6	1.6	1.4
2.0	2.5	2.5	2.1
2.5	4.6	4.0	3.3
3.0	6.6	5.4	4.4
3.5	8.8	7.2	5.6
4.0	10.9	9.0	6.8

Find the basin's soil classification and input below as "Soil Storage" using the above "Depth to W.T.".

Developed Pervious Area =	0.76	
Undeveloped Pervious Area =	0.00	
Soil Storage =	7.96	inches
Soil Moisture Storage (S) =	2.69	inches
Curve Number =	78.8	

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 2/7/2018
Engineer: JLS
Basin Name: SUB BASIN 2A
Computation Type: Existing Condition Stage-Area
Datum: NAVD88

Starting Stage 2.5
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Wetland Area	
Area	0.47	0.45	0.76	0.00	
Start Elev	6.00	4.50	2.50	0.00	
End Elev		9.00	9.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
2.50	0.00	0.00	0.00	0.00	0.00
2.60	0.00	0.00	0.01	0.00	0.01
2.70	0.00	0.00	0.02	0.00	0.02
2.80	0.00	0.00	0.04	0.00	0.04
2.90	0.00	0.00	0.05	0.00	0.05
3.00	0.00	0.00	0.06	0.00	0.06
3.10	0.00	0.00	0.07	0.00	0.07
3.20	0.00	0.00	0.08	0.00	0.08
3.30	0.00	0.00	0.09	0.00	0.09
3.40	0.00	0.00	0.11	0.00	0.11
3.50	0.00	0.00	0.12	0.00	0.12
3.60	0.00	0.00	0.13	0.00	0.13
3.70	0.00	0.00	0.14	0.00	0.14
3.80	0.00	0.00	0.15	0.00	0.15
3.90	0.00	0.00	0.16	0.00	0.16
4.00	0.00	0.00	0.18	0.00	0.18
4.10	0.00	0.00	0.19	0.00	0.19
4.20	0.00	0.00	0.20	0.00	0.20
4.30	0.00	0.00	0.21	0.00	0.21
4.40	0.00	0.00	0.22	0.00	0.22
4.50	0.00	0.00	0.23	0.00	0.23
4.60	0.00	0.01	0.25	0.00	0.26
4.70	0.00	0.02	0.26	0.00	0.28
4.80	0.00	0.03	0.27	0.00	0.30
4.90	0.00	0.04	0.28	0.00	0.32
5.00	0.00	0.05	0.29	0.00	0.34
5.10	0.00	0.06	0.30	0.00	0.36
5.20	0.00	0.07	0.32	0.00	0.39
5.30	0.00	0.08	0.33	0.00	0.41
5.40	0.00	0.09	0.34	0.00	0.43
5.50	0.00	0.10	0.35	0.00	0.45
5.60	0.00	0.11	0.36	0.00	0.47
5.70	0.00	0.12	0.37	0.00	0.50
5.80	0.00	0.13	0.39	0.00	0.52
5.90	0.00	0.14	0.40	0.00	0.54
6.00	0.47	0.15	0.41	0.00	1.03
6.10	0.47	0.16	0.42	0.00	1.06
6.20	0.47	0.17	0.43	0.00	1.08
6.30	0.47	0.18	0.44	0.00	1.10
6.40	0.47	0.19	0.46	0.00	1.12
6.50	0.47	0.20	0.47	0.00	1.14
6.60	0.47	0.21	0.48	0.00	1.17

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 2/7/2018
Engineer: JLS
Basin Name: SUB BASIN 2A
Computation Type: Existing Condition Stage-Area
Datum: NAVD88

Starting Stage 2.5
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Wetland Area	
Area	0.47	0.45	0.76	0.00	
Start Elev	6.00	4.50	2.50	0.00	
End Elev		9.00	9.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
6.70	0.47	0.22	0.49	0.00	1.19
6.80	0.47	0.23	0.50	0.00	1.21
6.90	0.47	0.24	0.52	0.00	1.23
7.00	0.47	0.25	0.53	0.00	1.25
7.10	0.47	0.26	0.54	0.00	1.27
7.20	0.47	0.27	0.55	0.00	1.30
7.30	0.47	0.28	0.56	0.00	1.32
7.40	0.47	0.29	0.57	0.00	1.34
7.50	0.47	0.30	0.59	0.00	1.36
7.60	0.47	0.31	0.60	0.00	1.38
7.70	0.47	0.32	0.61	0.00	1.40
7.80	0.47	0.33	0.62	0.00	1.43
7.90	0.47	0.34	0.63	0.00	1.45
8.00	0.47	0.35	0.64	0.00	1.47

Project:

Project No:

Date:

Engineer:

Basin Name:

Computation Type:

Datum:

Computation Type

Old Palm City Ripple Stormwater

18-003

43138

JLS

SUB BASIN 2A

Existing Conditions Stage-Storage

NAVD88

Stage vs. Storage

Revision Date:

Engineer's Name:

Starting Stage

Ending Stage

Stage Increment

2.5

8.0

0.1 (Note: Increment must be a multiple of starting / ending elevations)

Name	Buildings	Impervious		Wetland	
		Area	Green Space	Area	
Area	0.47	0.45	0.76	0.00	
Start Elev	6.00	4.50	2.50	0.00	
End Elev	0.00	9.00	9.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Storage	Storage	Storage	Storage	Storage
NAVD	Ac-ft	Ac-ft	Ac-ft	Ac-ft	Ac-ft
2.50	0.00	0.00	0.00	0.00	0.00
2.60	0.00	0.00	0.00	0.00	0.00
2.70	0.00	0.00	0.00	0.00	0.00
2.80	0.00	0.00	0.01	0.00	0.01
2.90	0.00	0.00	0.01	0.00	0.01
3.00	0.00	0.00	0.01	0.00	0.01
3.10	0.00	0.00	0.02	0.00	0.02
3.20	0.00	0.00	0.03	0.00	0.03
3.30	0.00	0.00	0.04	0.00	0.04
3.40	0.00	0.00	0.05	0.00	0.05
3.50	0.00	0.00	0.06	0.00	0.06
3.60	0.00	0.00	0.07	0.00	0.07
3.70	0.00	0.00	0.08	0.00	0.08
3.80	0.00	0.00	0.10	0.00	0.10
3.90	0.00	0.00	0.11	0.00	0.11
4.00	0.00	0.00	0.13	0.00	0.13
4.10	0.00	0.00	0.15	0.00	0.15
4.20	0.00	0.00	0.17	0.00	0.17
4.30	0.00	0.00	0.19	0.00	0.19
4.40	0.00	0.00	0.21	0.00	0.21
4.50	0.00	0.00	0.23	0.00	0.23
4.60	0.00	0.00	0.26	0.00	0.26
4.70	0.00	0.00	0.28	0.00	0.29
4.80	0.00	0.00	0.31	0.00	0.31
4.90	0.00	0.01	0.34	0.00	0.35
5.00	0.00	0.01	0.37	0.00	0.38
5.10	0.00	0.02	0.40	0.00	0.41
5.20	0.00	0.02	0.43	0.00	0.45
5.30	0.00	0.03	0.46	0.00	0.49
5.40	0.00	0.04	0.49	0.00	0.53
5.50	0.00	0.05	0.53	0.00	0.58
5.60	0.00	0.06	0.56	0.00	0.62
5.70	0.00	0.07	0.60	0.00	0.67
5.80	0.00	0.09	0.64	0.00	0.72
5.90	0.00	0.10	0.68	0.00	0.78
6.00	0.00	0.11	0.72	0.00	0.83
6.10	0.05	0.13	0.76	0.00	0.94
6.20	0.09	0.15	0.80	0.00	1.04
6.30	0.14	0.16	0.85	0.00	1.15
6.40	0.19	0.18	0.89	0.00	1.26
6.50	0.24	0.20	0.94	0.00	1.37
6.60	0.28	0.22	0.98	0.00	1.49
6.70	0.33	0.24	1.03	0.00	1.61
6.80	0.38	0.27	1.08	0.00	1.73
6.90	0.43	0.29	1.13	0.00	1.85
7.00	0.47	0.31	1.19	0.00	1.97
7.10	0.52	0.34	1.24	0.00	2.10
7.20	0.57	0.37	1.29	0.00	2.23
7.30	0.62	0.39	1.35	0.00	2.36
7.40	0.66	0.42	1.41	0.00	2.49
7.50	0.71	0.45	1.46	0.00	2.63

CURVE NUMBER CALCULATION- SUB BASIN 2B

Project No.: **18-003**

Engineer: **JLS**

Date: **2/7/2018**

Sub Basin Land Use

Use	Imp. (ac)	Pervious (ac)	Total (ac)
Buildings	0.42	0.00	0.42
Impervious Area	0.39	0.00	0.39
Green Space	0.00	2.99	2.99
Wetland Area	0.00	0.00	0.00
TOTAL =	0.81	2.99	3.80

Find Curve Number:

Avg. Pervious Ground El. =	5.00
Control Elevation =	2.04
Distance to Water Table =	2.96

Soil Storage Table

Depth to W.T. (ft)	Coastal Storage (in)	Flatwoods Storage (in)	Depression Storage (in)
1.0	0.6	0.6	0.6
1.5	1.6	1.6	1.4
2.0	2.5	2.5	2.1
2.5	4.6	4.0	3.3
3.0	6.6	5.4	4.4
3.5	8.8	7.2	5.6
4.0	10.9	9.0	6.8

Find the basin's soil classification and input below as "Soil Storage" using the above "Depth to W.T.".

Developed Pervious Area =	2.99	
Undeveloped Pervious Area =	0.00	
Soil Storage =	5.28	inches
Soil Moisture Storage (S) =	3.12	inches
Curve Number =	76.2	

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 2/7/2018
Engineer: JLS
Basin Name: SUB BASIN 2B
Computation Type: Existing Condition Stage-Area
Datum: NAVD88

Starting Stage 2.5
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Wetland Area	
Area	0.42	0.39	2.99	0.00	
Start Elev	6.00	3.50	3.00	0.00	
End Elev		7.00	7.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
2.50	0.00	0.00	0.00	0.00	0.00
2.60	0.00	0.00	0.00	0.00	0.00
2.70	0.00	0.00	0.00	0.00	0.00
2.80	0.00	0.00	0.00	0.00	0.00
2.90	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00
3.10	0.00	0.00	0.07	0.00	0.07
3.20	0.00	0.00	0.15	0.00	0.15
3.30	0.00	0.00	0.22	0.00	0.22
3.40	0.00	0.00	0.30	0.00	0.30
3.50	0.00	0.00	0.37	0.00	0.37
3.60	0.00	0.01	0.45	0.00	0.46
3.70	0.00	0.02	0.52	0.00	0.55
3.80	0.00	0.03	0.60	0.00	0.63
3.90	0.00	0.04	0.67	0.00	0.72
4.00	0.00	0.06	0.75	0.00	0.80
4.10	0.00	0.07	0.82	0.00	0.89
4.20	0.00	0.08	0.90	0.00	0.97
4.30	0.00	0.09	0.97	0.00	1.06
4.40	0.00	0.10	1.05	0.00	1.15
4.50	0.00	0.11	1.12	0.00	1.23
4.60	0.00	0.12	1.20	0.00	1.32
4.70	0.00	0.13	1.27	0.00	1.40
4.80	0.00	0.15	1.34	0.00	1.49
4.90	0.00	0.16	1.42	0.00	1.58
5.00	0.00	0.17	1.49	0.00	1.66
5.10	0.00	0.18	1.57	0.00	1.75
5.20	0.00	0.19	1.64	0.00	1.83
5.30	0.00	0.20	1.72	0.00	1.92
5.40	0.00	0.21	1.79	0.00	2.01
5.50	0.00	0.22	1.87	0.00	2.09
5.60	0.00	0.23	1.94	0.00	2.18
5.70	0.00	0.25	2.02	0.00	2.26
5.80	0.00	0.26	2.09	0.00	2.35
5.90	0.00	0.27	2.17	0.00	2.44
6.00	0.42	0.28	2.24	0.00	2.94
6.10	0.42	0.29	2.32	0.00	3.02
6.20	0.42	0.30	2.39	0.00	3.11
6.30	0.42	0.31	2.47	0.00	3.20
6.40	0.42	0.32	2.54	0.00	3.28
6.50	0.42	0.34	2.62	0.00	3.37
6.60	0.42	0.35	2.69	0.00	3.45
6.70	0.42	0.36	2.76	0.00	3.54
6.80	0.42	0.37	2.84	0.00	3.63
6.90	0.42	0.38	2.91	0.00	3.71
7.00	0.42	0.39	2.99	0.00	3.80
7.10	0.42	0.39	2.99	0.00	3.80
7.20	0.42	0.39	2.99	0.00	3.80

Project:

Project No:

Date:

Engineer:

Basin Name:

Computation Type:

Datum:

Computation Type

Old Palm City Ripple Stormwater

18-003

43138

JLS

SUB BASIN 2B

Existing Conditions Stage-Storage

NAVD88

Stage vs. Storage

Revision Date:

Engineer's Name:

Starting Stage

Ending Stage

Stage Increment

2.5

8.0

0.1 (Note: Increment must be a multiple of starting / ending elevations)

Name	Buildings	Impervious	Green Space	Wetland	
		Area		Area	
Area	0.42	0.39	2.99	0.00	
Start Elev	6.00	3.50	3.00	0.00	
End Elev	0.00	7.00	7.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Storage	Storage	Storage	Storage	Storage
NAVD	Ac-ft	Ac-ft	Ac-ft	Ac-ft	Ac-ft
2.50	0.00	0.00	0.00	0.00	0.00
2.60	0.00	0.00	0.00	0.00	0.00
2.70	0.00	0.00	0.00	0.00	0.00
2.80	0.00	0.00	0.00	0.00	0.00
2.90	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00
3.10	0.00	0.00	0.00	0.00	0.00
3.20	0.00	0.00	0.01	0.00	0.01
3.30	0.00	0.00	0.03	0.00	0.03
3.40	0.00	0.00	0.06	0.00	0.06
3.50	0.00	0.00	0.09	0.00	0.09
3.60	0.00	0.00	0.13	0.00	0.14
3.70	0.00	0.00	0.18	0.00	0.19
3.80	0.00	0.01	0.24	0.00	0.24
3.90	0.00	0.01	0.30	0.00	0.31
4.00	0.00	0.01	0.37	0.00	0.39
4.10	0.00	0.02	0.45	0.00	0.47
4.20	0.00	0.03	0.54	0.00	0.57
4.30	0.00	0.04	0.63	0.00	0.67
4.40	0.00	0.05	0.73	0.00	0.78
4.50	0.00	0.06	0.84	0.00	0.90
4.60	0.00	0.07	0.96	0.00	1.02
4.70	0.00	0.08	1.08	0.00	1.16
4.80	0.00	0.09	1.21	0.00	1.30
4.90	0.00	0.11	1.35	0.00	1.46
5.00	0.00	0.13	1.49	0.00	1.62
5.10	0.00	0.14	1.65	0.00	1.79
5.20	0.00	0.16	1.81	0.00	1.97
5.30	0.00	0.18	1.98	0.00	2.16
5.40	0.00	0.20	2.15	0.00	2.35
5.50	0.00	0.22	2.33	0.00	2.56
5.60	0.00	0.25	2.53	0.00	2.77
5.70	0.00	0.27	2.72	0.00	2.99
5.80	0.00	0.30	2.93	0.00	3.22
5.90	0.00	0.32	3.14	0.00	3.46
6.00	0.00	0.35	3.36	0.00	3.71
6.10	0.04	0.38	3.59	0.00	4.01
6.20	0.08	0.41	3.83	0.00	4.32
6.30	0.12	0.44	4.07	0.00	4.63
6.40	0.17	0.47	4.32	0.00	4.96
6.50	0.21	0.50	4.58	0.00	5.29
6.60	0.25	0.54	4.84	0.00	5.63
6.70	0.29	0.57	5.11	0.00	5.98
6.80	0.33	0.61	5.39	0.00	6.34
6.90	0.37	0.65	5.68	0.00	6.70
7.00	0.42	0.69	5.98	0.00	7.08
7.10	0.46	0.72	6.28	0.00	7.46
7.20	0.50	0.76	6.58	0.00	7.84
7.30	0.54	0.80	6.87	0.00	8.22
7.40	0.58	0.84	7.17	0.00	8.60
7.50	0.62	0.88	7.47	0.00	8.98

CURVE NUMBER CALCULATION- SUB BASIN 3A

Project No.: **18-003**

Engineer: **JLS**

Date: **2/7/2018**

Sub Basin Land Use

Use	Imp. (ac)	Pervious (ac)	Total (ac)
Buildings	0.14	0.00	0.14
Impervious Area	0.29	0.00	0.29
Green Space	0.00	0.53	0.53
Wetland Area	0.00	0.00	0.00
TOTAL =	0.43	0.53	0.96

Find Curve Number:

Avg. Pervious Ground El. =	6.00
Control Elevation =	2.04
Distance to Water Table =	3.96

Soil Storage Table

Depth to W.T. (ft)	Coastal Storage (in)	Flatwoods Storage (in)	Depression Storage (in)
1.0	0.6	0.6	0.6
1.5	1.6	1.6	1.4
2.0	2.5	2.5	2.1
2.5	4.6	4.0	3.3
3.0	6.6	5.4	4.4
3.5	8.8	7.2	5.6
4.0	10.9	9.0	6.8

Find the basin's soil classification and input below as "Soil Storage" using the above "Depth to W.T.".

Developed Pervious Area =	0.53	
Undeveloped Pervious Area =	0.00	
Soil Storage =	8.86	inches
Soil Moisture Storage (S) =	3.66	inches
Curve Number =	73.2	

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 2/7/2018
Engineer: JLS
Basin Name: SUB BASIN 3A
Computation Type: Existing Condition Stage-Area
Datum: NAVD88

Starting Stage 2.5
Ending Stage 9.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Wetland Area	
Area	0.14	0.29	0.53	0.00	
Start Elev	6.00	3.50	3.00	0.00	
End Elev		9.00	9.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
2.50	0.00	0.00	0.00	0.00	0.00
2.60	0.00	0.00	0.00	0.00	0.00
2.70	0.00	0.00	0.00	0.00	0.00
2.80	0.00	0.00	0.00	0.00	0.00
2.90	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00
3.10	0.00	0.00	0.01	0.00	0.01
3.20	0.00	0.00	0.02	0.00	0.02
3.30	0.00	0.00	0.03	0.00	0.03
3.40	0.00	0.00	0.04	0.00	0.04
3.50	0.00	0.00	0.04	0.00	0.04
3.60	0.00	0.01	0.05	0.00	0.06
3.70	0.00	0.01	0.06	0.00	0.07
3.80	0.00	0.02	0.07	0.00	0.09
3.90	0.00	0.02	0.08	0.00	0.10
4.00	0.00	0.03	0.09	0.00	0.11
4.10	0.00	0.03	0.10	0.00	0.13
4.20	0.00	0.04	0.11	0.00	0.14
4.30	0.00	0.04	0.11	0.00	0.16
4.40	0.00	0.05	0.12	0.00	0.17
4.50	0.00	0.05	0.13	0.00	0.18
4.60	0.00	0.06	0.14	0.00	0.20
4.70	0.00	0.06	0.15	0.00	0.21
4.80	0.00	0.07	0.16	0.00	0.23
4.90	0.00	0.07	0.17	0.00	0.24
5.00	0.00	0.08	0.18	0.00	0.25
5.10	0.00	0.08	0.18	0.00	0.27
5.20	0.00	0.09	0.19	0.00	0.28
5.30	0.00	0.09	0.20	0.00	0.30
5.40	0.00	0.10	0.21	0.00	0.31
5.50	0.00	0.11	0.22	0.00	0.33
5.60	0.00	0.11	0.23	0.00	0.34
5.70	0.00	0.12	0.24	0.00	0.35
5.80	0.00	0.12	0.25	0.00	0.37

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 2/7/2018
Engineer: JLS
Basin Name: SUB BASIN 3A
Computation Type: Existing Condition Stage-Area
Datum: NAVD88

Starting Stage 2.5
Ending Stage 9.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Wetland Area	
Area	0.14	0.29	0.53	0.00	
Start Elev	6.00	3.50	3.00	0.00	
End Elev		9.00	9.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
5.90	0.00	0.13	0.26	0.00	0.38
6.00	0.14	0.13	0.26	0.00	0.54
6.10	0.14	0.14	0.27	0.00	0.55
6.20	0.14	0.14	0.28	0.00	0.57
6.30	0.14	0.15	0.29	0.00	0.58
6.40	0.14	0.15	0.30	0.00	0.59
6.50	0.14	0.16	0.31	0.00	0.61
6.60	0.14	0.16	0.32	0.00	0.62
6.70	0.14	0.17	0.33	0.00	0.64
6.80	0.14	0.17	0.33	0.00	0.65
6.90	0.14	0.18	0.34	0.00	0.66
7.00	0.14	0.18	0.35	0.00	0.68
7.10	0.14	0.19	0.36	0.00	0.69
7.20	0.14	0.19	0.37	0.00	0.71
7.30	0.14	0.20	0.38	0.00	0.72
7.40	0.14	0.21	0.39	0.00	0.73
7.50	0.14	0.21	0.40	0.00	0.75
7.60	0.14	0.22	0.41	0.00	0.76
7.70	0.14	0.22	0.41	0.00	0.78
7.80	0.14	0.23	0.42	0.00	0.79
7.90	0.14	0.23	0.43	0.00	0.80
8.00	0.14	0.24	0.44	0.00	0.82
8.10	0.14	0.24	0.45	0.00	0.83
8.20	0.14	0.25	0.46	0.00	0.85
8.30	0.14	0.25	0.47	0.00	0.86
8.40	0.14	0.26	0.48	0.00	0.87
8.50	0.14	0.26	0.48	0.00	0.89
8.60	0.14	0.27	0.49	0.00	0.90
8.70	0.14	0.27	0.50	0.00	0.92
8.80	0.14	0.28	0.51	0.00	0.93
8.90	0.14	0.28	0.52	0.00	0.94
9.00	0.14	0.29	0.53	0.00	0.96

Project:

Project No:

Date:

Engineer:

Basin Name:

Computation Type:

Datum:

Computation Type

Old Palm City Ripple Stormwater

18-003

43138

JLS

SUB BASIN 3A

Existing Conditions Stage-Storage

NAVD88

Stage vs. Storage

Revision Date:

Engineer's Name:

Starting Stage

Ending Stage

Stage Increment

2.5

9.0

0.1 (Note: Increment must be a multiple of starting / ending elevations)

Name	Buildings	Impervious	Green Space	Wetland	
		Area		Area	
Area	0.14	0.29	0.53	0.00	
Start Elev	6.00	3.50	3.00	0.00	
End Elev	0.00	9.00	9.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Storage	Storage	Storage	Storage	Storage
NAVD	Ac-ft	Ac-ft	Ac-ft	Ac-ft	Ac-ft
2.50	0.00	0.00	0.00	0.00	0.00
2.60	0.00	0.00	0.00	0.00	0.00
2.70	0.00	0.00	0.00	0.00	0.00
2.80	0.00	0.00	0.00	0.00	0.00
2.90	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00
3.10	0.00	0.00	0.00	0.00	0.00
3.20	0.00	0.00	0.00	0.00	0.00
3.30	0.00	0.00	0.00	0.00	0.00
3.40	0.00	0.00	0.01	0.00	0.01
3.50	0.00	0.00	0.01	0.00	0.01
3.60	0.00	0.00	0.02	0.00	0.02
3.70	0.00	0.00	0.02	0.00	0.02
3.80	0.00	0.00	0.03	0.00	0.03
3.90	0.00	0.00	0.04	0.00	0.04
4.00	0.00	0.01	0.04	0.00	0.05
4.10	0.00	0.01	0.05	0.00	0.06
4.20	0.00	0.01	0.06	0.00	0.08
4.30	0.00	0.02	0.07	0.00	0.09
4.40	0.00	0.02	0.09	0.00	0.11
4.50	0.00	0.03	0.10	0.00	0.13
4.60	0.00	0.03	0.11	0.00	0.14
4.70	0.00	0.04	0.13	0.00	0.17
4.80	0.00	0.04	0.14	0.00	0.19
4.90	0.00	0.05	0.16	0.00	0.21
5.00	0.00	0.06	0.18	0.00	0.24
5.10	0.00	0.07	0.19	0.00	0.26
5.20	0.00	0.08	0.21	0.00	0.29
5.30	0.00	0.09	0.23	0.00	0.32
5.40	0.00	0.09	0.25	0.00	0.35
5.50	0.00	0.11	0.28	0.00	0.38
5.60	0.00	0.12	0.30	0.00	0.41
5.70	0.00	0.13	0.32	0.00	0.45
5.80	0.00	0.14	0.35	0.00	0.48
5.90	0.00	0.15	0.37	0.00	0.52
6.00	0.00	0.16	0.40	0.00	0.56
6.10	0.01	0.18	0.42	0.00	0.61
6.20	0.03	0.19	0.45	0.00	0.67
6.30	0.04	0.21	0.48	0.00	0.73
6.40	0.06	0.22	0.51	0.00	0.79
6.50	0.07	0.24	0.54	0.00	0.85
6.60	0.08	0.25	0.57	0.00	0.91
6.70	0.10	0.27	0.60	0.00	0.97
6.80	0.11	0.29	0.64	0.00	1.04
6.90	0.13	0.30	0.67	0.00	1.10
7.00	0.14	0.32	0.70	0.00	1.17
7.10	0.16	0.34	0.74	0.00	1.24
7.20	0.17	0.36	0.78	0.00	1.31
7.30	0.18	0.38	0.81	0.00	1.38
7.40	0.20	0.40	0.85	0.00	1.45
7.50	0.21	0.42	0.89	0.00	1.52

CURVE NUMBER CALCULATION- SUB BASIN 3B

Project No.: **18-003**

Engineer: **JLS**

Date: **2/7/2018**

Sub Basin Land Use

Use	Imp. (ac)	Pervious (ac)	Total (ac)
Buildings	0.85	0.00	0.85
Impervious Area	0.58	0.00	0.58
Green Space	0.00	3.64	3.64
Wetland Area	0.00	0.33	0.33
TOTAL =	1.43	3.97	5.40

Find Curve Number:

Avg. Pervious Ground El. =	5.50
Control Elevation =	2.04
Distance to Water Table =	3.46

Soil Storage Table

Depth to W.T. (ft)	Coastal Storage (in)	Flatwoods Storage (in)	Depression Storage (in)
1.0	0.6	0.6	0.6
1.5	1.6	1.6	1.4
2.0	2.5	2.5	2.1
2.5	4.6	4.0	3.3
3.0	6.6	5.4	4.4
3.5	8.8	7.2	5.6
4.0	10.9	9.0	6.8

Find the basin's soil classification and input below as "Soil Storage" using the above "Depth to W.T.".

Developed Pervious Area =	3.97	
Undeveloped Pervious Area =	0.00	
Soil Storage =	6.73	inches
Soil Moisture Storage (S) =	3.71	inches
Curve Number =	72.9	

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 2/7/2018
Engineer: JLS
Basin Name: SUB BASIN 3B
Computation Type: Existing Condition Stage-Area
Datum: NAVD88

Starting Stage 0.0
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Wetland Area	
Area	0.85	0.58	3.64	0.33	
Start Elev	6.00	2.50	2.00	0.50	
End Elev		9.00	9.00	2.50	
Stage	Vert	Linear	Linear	Linear	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
0.00	0.00	0.00	0.00	0.00	0.00
0.10	0.00	0.00	0.00	0.00	0.00
0.20	0.00	0.00	0.00	0.00	0.00
0.30	0.00	0.00	0.00	0.00	0.00
0.40	0.00	0.00	0.00	0.00	0.00
0.50	0.00	0.00	0.00	0.00	0.00
0.60	0.00	0.00	0.00	0.02	0.02
0.70	0.00	0.00	0.00	0.03	0.03
0.80	0.00	0.00	0.00	0.05	0.05
0.90	0.00	0.00	0.00	0.07	0.07
1.00	0.00	0.00	0.00	0.08	0.08
1.10	0.00	0.00	0.00	0.10	0.10
1.20	0.00	0.00	0.00	0.11	0.11
1.30	0.00	0.00	0.00	0.13	0.13
1.40	0.00	0.00	0.00	0.15	0.15
1.50	0.00	0.00	0.00	0.16	0.16
1.60	0.00	0.00	0.00	0.18	0.18
1.70	0.00	0.00	0.00	0.20	0.20
1.80	0.00	0.00	0.00	0.21	0.21
1.90	0.00	0.00	0.00	0.23	0.23
2.00	0.00	0.00	0.00	0.25	0.25
2.10	0.00	0.00	0.05	0.26	0.31
2.20	0.00	0.00	0.10	0.28	0.38
2.30	0.00	0.00	0.16	0.29	0.45
2.40	0.00	0.00	0.21	0.31	0.52
2.50	0.00	0.00	0.26	0.33	0.59
2.60	0.00	0.01	0.31	0.33	0.65
2.70	0.00	0.02	0.36	0.33	0.71
2.80	0.00	0.03	0.42	0.33	0.77
2.90	0.00	0.04	0.47	0.33	0.83
3.00	0.00	0.04	0.52	0.33	0.89
3.10	0.00	0.05	0.57	0.33	0.95
3.20	0.00	0.06	0.62	0.33	1.01
3.30	0.00	0.07	0.68	0.33	1.08

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 2/7/2018
Engineer: JLS
Basin Name: SUB BASIN 3B
Computation Type: Existing Condition Stage-Area
Datum: NAVD88

Starting Stage 0.0
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Wetland Area	
Area	0.85	0.58	3.64	0.33	
Start Elev	6.00	2.50	2.00	0.50	
End Elev		9.00	9.00	2.50	
Stage	Vert	Linear	Linear	Linear	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
3.40	0.00	0.08	0.73	0.33	1.14
3.50	0.00	0.09	0.78	0.33	1.20
3.60	0.00	0.10	0.83	0.33	1.26
3.70	0.00	0.11	0.88	0.33	1.32
3.80	0.00	0.12	0.94	0.33	1.38
3.90	0.00	0.13	0.99	0.33	1.44
4.00	0.00	0.13	1.04	0.33	1.50
4.10	0.00	0.14	1.09	0.33	1.56
4.20	0.00	0.15	1.14	0.33	1.62
4.30	0.00	0.16	1.20	0.33	1.69
4.40	0.00	0.17	1.25	0.33	1.75
4.50	0.00	0.18	1.30	0.33	1.81
4.60	0.00	0.19	1.35	0.33	1.87
4.70	0.00	0.20	1.40	0.33	1.93
4.80	0.00	0.21	1.46	0.33	1.99
4.90	0.00	0.22	1.51	0.33	2.05
5.00	0.00	0.22	1.56	0.33	2.11
5.10	0.00	0.23	1.61	0.33	2.17
5.20	0.00	0.24	1.66	0.33	2.23
5.30	0.00	0.25	1.72	0.33	2.29
5.40	0.00	0.26	1.77	0.33	2.36
5.50	0.00	0.27	1.82	0.33	2.42
5.60	0.00	0.28	1.87	0.33	2.48
5.70	0.00	0.29	1.92	0.33	2.54
5.80	0.00	0.30	1.98	0.33	2.60
5.90	0.00	0.30	2.03	0.33	2.66
6.00	0.85	0.31	2.08	0.33	3.57
6.10	0.85	0.32	2.13	0.33	3.63
6.20	0.85	0.33	2.18	0.33	3.69
6.30	0.85	0.34	2.24	0.33	3.75
6.40	0.85	0.35	2.29	0.33	3.81
6.50	0.85	0.36	2.34	0.33	3.87
6.60	0.85	0.37	2.39	0.33	3.93
6.70	0.85	0.38	2.44	0.33	3.99
6.80	0.85	0.39	2.50	0.33	4.05
6.90	0.85	0.39	2.55	0.33	4.12
7.00	0.85	0.40	2.60	0.33	4.18

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 2/7/2018
Engineer: JLS
Basin Name: SUB BASIN 3B
Computation Type: Existing Condition Stage-Area
Datum: NAVD88

Starting Stage 0.0
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Wetland Area	
Area	0.85	0.58	3.64	0.33	
Start Elev	6.00	2.50	2.00	0.50	
End Elev		9.00	9.00	2.50	
Stage	Vert	Linear	Linear	Linear	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
7.10	0.85	0.41	2.65	0.33	4.24
7.20	0.85	0.42	2.70	0.33	4.30
7.30	0.85	0.43	2.76	0.33	4.36
7.40	0.85	0.44	2.81	0.33	4.42
7.50	0.85	0.45	2.86	0.33	4.48
7.60	0.85	0.46	2.91	0.33	4.54
7.70	0.85	0.47	2.96	0.33	4.60
7.80	0.85	0.47	3.02	0.33	4.66
7.90	0.85	0.48	3.07	0.33	4.73
8.00	0.85	0.49	3.12	0.33	4.79

Project:

Project No:

Date:

Engineer:

Basin Name:

Computation Type:

Datum:

Computation Type

Old Palm City Ripple Stormwater

18-003

43138

JLS

SUB BASIN 3B

Existing Conditions Stage-Storage

NAVD88

Stage vs. Storage

Revision Date:

Engineer's Name:

Starting Stage

Ending Stage

Stage Increment

0.0

8.0

0.1 (Note: Increment must be a multiple of starting / ending elevations)

Name	Buildings	Impervious	Green Space	Wetland	Total
		Area		Area	
Area	0.85	0.58	3.64	0.33	
Start Elev	6.00	2.50	2.00	0.50	
End Elev	0.00	9.00	9.00	2.50	
Stage	Vert	Linear	Linear	Linear	Total
Feet	Storage	Storage	Storage	Storage	Storage
NAVD	Ac-ft	Ac-ft	Ac-ft	Ac-ft	Ac-ft
0.00	0.00	0.00	0.00	0.00	0.00
0.10	0.00	0.00	0.00	0.00	0.00
0.20	0.00	0.00	0.00	0.00	0.00
0.30	0.00	0.00	0.00	0.00	0.00
0.40	0.00	0.00	0.00	0.00	0.00
0.50	0.00	0.00	0.00	0.00	0.00
0.60	0.00	0.00	0.00	0.00	0.00
0.70	0.00	0.00	0.00	0.00	0.00
0.80	0.00	0.00	0.00	0.01	0.01
0.90	0.00	0.00	0.00	0.01	0.01
1.00	0.00	0.00	0.00	0.02	0.02
1.10	0.00	0.00	0.00	0.03	0.03
1.20	0.00	0.00	0.00	0.04	0.04
1.30	0.00	0.00	0.00	0.05	0.05
1.40	0.00	0.00	0.00	0.07	0.07
1.50	0.00	0.00	0.00	0.08	0.08
1.60	0.00	0.00	0.00	0.10	0.10
1.70	0.00	0.00	0.00	0.12	0.12
1.80	0.00	0.00	0.00	0.14	0.14
1.90	0.00	0.00	0.00	0.16	0.16
2.00	0.00	0.00	0.00	0.18	0.18
2.10	0.00	0.00	0.00	0.21	0.21
2.20	0.00	0.00	0.01	0.24	0.25
2.30	0.00	0.00	0.02	0.27	0.29
2.40	0.00	0.00	0.04	0.30	0.34
2.50	0.00	0.00	0.07	0.33	0.39
2.60	0.00	0.00	0.09	0.36	0.45
2.70	0.00	0.00	0.13	0.39	0.52
2.80	0.00	0.00	0.17	0.43	0.60
2.90	0.00	0.01	0.21	0.46	0.68
3.00	0.00	0.01	0.26	0.49	0.76
3.10	0.00	0.02	0.31	0.52	0.86
3.20	0.00	0.02	0.37	0.56	0.95
3.30	0.00	0.03	0.44	0.59	1.06
3.40	0.00	0.04	0.51	0.62	1.17
3.50	0.00	0.04	0.59	0.66	1.29
3.60	0.00	0.05	0.67	0.69	1.41
3.70	0.00	0.06	0.75	0.72	1.54
3.80	0.00	0.08	0.84	0.75	1.67
3.90	0.00	0.09	0.94	0.79	1.81
4.00	0.00	0.10	1.04	0.82	1.96
4.10	0.00	0.11	1.15	0.85	2.11
4.20	0.00	0.13	1.26	0.88	2.27
4.30	0.00	0.15	1.38	0.92	2.44
4.40	0.00	0.16	1.50	0.95	2.61
4.50	0.00	0.18	1.63	0.98	2.79
4.60	0.00	0.20	1.76	1.02	2.97
4.70	0.00	0.22	1.90	1.05	3.16
4.80	0.00	0.24	2.04	1.08	3.36
4.90	0.00	0.26	2.19	1.11	3.56
5.00	0.00	0.28	2.34	1.15	3.77
5.10	0.00	0.30	2.50	1.18	3.98

5.20	0.00	0.33	2.66	1.21	4.20
5.30	0.00	0.35	2.83	1.25	4.43
5.40	0.00	0.38	3.01	1.28	4.66
5.50	0.00	0.40	3.19	1.31	4.90
5.60	0.00	0.43	3.37	1.34	5.14
5.70	0.00	0.46	3.56	1.38	5.39
5.80	0.00	0.49	3.75	1.41	5.65
5.90	0.00	0.52	3.96	1.44	5.91
6.00	0.00	0.55	4.16	1.47	6.18
6.10	0.08	0.58	4.37	1.51	6.54
6.20	0.17	0.61	4.59	1.54	6.91
6.30	0.25	0.65	4.81	1.57	7.28
6.40	0.34	0.68	5.03	1.61	7.66
6.50	0.42	0.72	5.27	1.64	8.04
6.60	0.51	0.75	5.50	1.67	8.43
6.70	0.59	0.79	5.74	1.70	8.83
6.80	0.68	0.83	5.99	1.74	9.23
6.90	0.76	0.87	6.24	1.77	9.64
7.00	0.85	0.91	6.50	1.80	10.06
7.10	0.93	0.95	6.76	1.83	10.48
7.20	1.01	0.99	7.03	1.87	10.90
7.30	1.10	1.03	7.30	1.90	11.34
7.40	1.18	1.08	7.58	1.93	11.78
7.50	1.27	1.12	7.87	1.97	12.22
7.60	1.35	1.17	8.15	2.00	12.67
7.70	1.44	1.21	8.45	2.03	13.13
7.80	1.52	1.26	8.75	2.06	13.59
7.90	1.61	1.31	9.05	2.10	14.06
8.00	1.69	1.36	9.36	2.13	14.54

CURVE NUMBER CALCULATION- SUB BASIN 4

Project No.: **18-003**

Engineer: **JLS**

Date: **2/7/2018**

Sub Basin Land Use

Use	Imp. (ac)	Pervious (ac)	Total (ac)
Buildings	0.50	0.00	0.50
Impervious Area	0.92	0.00	0.92
Green Space	0.00	2.03	2.03
Wetland Area	0.00	0.00	0.00
TOTAL =	1.43	2.03	3.46

Find Curve Number:

Avg. Pervious Ground El. =	4.00
Control Elevation =	2.04
Distance to Water Table =	1.96

Soil Storage Table

Depth to W.T. (ft)	Coastal Storage (in)	Flatwoods Storage (in)	Depression Storage (in)
1.0	0.6	0.6	0.6
1.5	1.6	1.6	1.4
2.0	2.5	2.5	2.1
2.5	4.6	4.0	3.3
3.0	6.6	5.4	4.4
3.5	8.8	7.2	5.6
4.0	10.9	9.0	6.8

Find the basin's soil classification and input below as "Soil Storage" using the above "Depth to W.T.".

Developed Pervious Area =	2.03	
Undeveloped Pervious Area =	0.00	
Soil Storage =	2.42	inches
Soil Moisture Storage (S) =	1.07	inches
Curve Number =	90.4	

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 2/7/2018
Engineer: JLS
Basin Name: SUB BASIN 4
Computation Type: Existing Condition Stage-Area
Datum: NAVD88

Starting Stage 1.0
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Wetland Area	
Area	0.50	0.92	2.03	0.00	
Start Elev	6.00	1.50	1.00	0.00	
End Elev		7.00	7.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
1.00	0.00	0.00	0.00	0.00	0.00
1.10	0.00	0.00	0.03	0.00	0.03
1.20	0.00	0.00	0.07	0.00	0.07
1.30	0.00	0.00	0.10	0.00	0.10
1.40	0.00	0.00	0.14	0.00	0.14
1.50	0.00	0.00	0.17	0.00	0.17
1.60	0.00	0.02	0.20	0.00	0.22
1.70	0.00	0.03	0.24	0.00	0.27
1.80	0.00	0.05	0.27	0.00	0.32
1.90	0.00	0.07	0.30	0.00	0.37
2.00	0.00	0.08	0.34	0.00	0.42
2.10	0.00	0.10	0.37	0.00	0.47
2.20	0.00	0.12	0.41	0.00	0.52
2.30	0.00	0.13	0.44	0.00	0.57
2.40	0.00	0.15	0.47	0.00	0.62
2.50	0.00	0.17	0.51	0.00	0.67
2.60	0.00	0.18	0.54	0.00	0.73
2.70	0.00	0.20	0.57	0.00	0.78
2.80	0.00	0.22	0.61	0.00	0.83
2.90	0.00	0.24	0.64	0.00	0.88
3.00	0.00	0.25	0.68	0.00	0.93
3.10	0.00	0.27	0.71	0.00	0.98
3.20	0.00	0.29	0.74	0.00	1.03
3.30	0.00	0.30	0.78	0.00	1.08
3.40	0.00	0.32	0.81	0.00	1.13
3.50	0.00	0.34	0.84	0.00	1.18
3.60	0.00	0.35	0.88	0.00	1.23
3.70	0.00	0.37	0.91	0.00	1.28
3.80	0.00	0.39	0.95	0.00	1.33
3.90	0.00	0.40	0.98	0.00	1.38
4.00	0.00	0.42	1.01	0.00	1.43
4.10	0.00	0.44	1.05	0.00	1.48
4.20	0.00	0.45	1.08	0.00	1.53
4.30	0.00	0.47	1.11	0.00	1.58

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 2/7/2018
Engineer: JLS
Basin Name: SUB BASIN 4
Computation Type: Existing Condition Stage-Area
Datum: NAVD88

Starting Stage 1.0
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Wetland Area	
Area	0.50	0.92	2.03	0.00	
Start Elev	6.00	1.50	1.00	0.00	
End Elev		7.00	7.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
4.40	0.00	0.49	1.15	0.00	1.64
4.50	0.00	0.50	1.18	0.00	1.69
4.60	0.00	0.52	1.22	0.00	1.74
4.70	0.00	0.54	1.25	0.00	1.79
4.80	0.00	0.55	1.28	0.00	1.84
4.90	0.00	0.57	1.32	0.00	1.89
5.00	0.00	0.59	1.35	0.00	1.94
5.10	0.00	0.60	1.38	0.00	1.99
5.20	0.00	0.62	1.42	0.00	2.04
5.30	0.00	0.64	1.45	0.00	2.09
5.40	0.00	0.66	1.49	0.00	2.14
5.50	0.00	0.67	1.52	0.00	2.19
5.60	0.00	0.69	1.55	0.00	2.24
5.70	0.00	0.71	1.59	0.00	2.29
5.80	0.00	0.72	1.62	0.00	2.34
5.90	0.00	0.74	1.65	0.00	2.39
6.00	0.50	0.76	1.69	0.00	2.95
6.10	0.50	0.77	1.72	0.00	3.00
6.20	0.50	0.79	1.76	0.00	3.05
6.30	0.50	0.81	1.79	0.00	3.10
6.40	0.50	0.82	1.82	0.00	3.15
6.50	0.50	0.84	1.86	0.00	3.20
6.60	0.50	0.86	1.89	0.00	3.25
6.70	0.50	0.87	1.93	0.00	3.30
6.80	0.50	0.89	1.96	0.00	3.35
6.90	0.50	0.91	1.99	0.00	3.40
7.00	0.50	0.92	2.03	0.00	3.46
7.10	0.50	0.92	2.03	0.00	3.46
7.20	0.50	0.92	2.03	0.00	3.46
7.30	0.50	0.92	2.03	0.00	3.46
7.40	0.50	0.92	2.03	0.00	3.46
7.50	0.50	0.92	2.03	0.00	3.46
7.60	0.50	0.92	2.03	0.00	3.46
7.70	0.50	0.92	2.03	0.00	3.46
7.80	0.50	0.92	2.03	0.00	3.46
7.90	0.50	0.92	2.03	0.00	3.46
8.00	0.50	0.92	2.03	0.00	3.46

Project:

Project No:

Date:

Engineer:

Basin Name:

Computation Type:

Datum:

Computation Type

Old Palm City Ripple Stormwater

18-003

43138

JLS

SUB BASIN 4

Existing Conditions Stage-Storage

NAVD88

Stage vs. Storage

Revision Date:

Engineer's Name:

Starting Stage

Ending Stage

Stage Increment

1.0

8.0

0.1 (Note: Increment must be a multiple of starting / ending elevations)

Name	Buildings	Impervious	Green Space	Wetland	Total
		Area		Area	
Area	0.50	0.92	2.03	0.00	
Start Elev	6.00	1.50	1.00	0.00	
End Elev	0.00	7.00	7.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Storage	Storage	Storage	Storage	Storage
NAVD	Ac-ft	Ac-ft	Ac-ft	Ac-ft	Ac-ft
1.00	0.00	0.00	0.00	0.00	0.00
1.10	0.00	0.00	0.00	0.00	0.00
1.20	0.00	0.00	0.01	0.00	0.01
1.30	0.00	0.00	0.02	0.00	0.02
1.40	0.00	0.00	0.03	0.00	0.03
1.50	0.00	0.00	0.04	0.00	0.04
1.60	0.00	0.00	0.06	0.00	0.06
1.70	0.00	0.00	0.08	0.00	0.09
1.80	0.00	0.01	0.11	0.00	0.12
1.90	0.00	0.01	0.14	0.00	0.15
2.00	0.00	0.02	0.17	0.00	0.19
2.10	0.00	0.03	0.20	0.00	0.23
2.20	0.00	0.04	0.24	0.00	0.28
2.30	0.00	0.05	0.29	0.00	0.34
2.40	0.00	0.07	0.33	0.00	0.40
2.50	0.00	0.08	0.38	0.00	0.46
2.60	0.00	0.10	0.43	0.00	0.53
2.70	0.00	0.12	0.49	0.00	0.61
2.80	0.00	0.14	0.55	0.00	0.69
2.90	0.00	0.16	0.61	0.00	0.77
3.00	0.00	0.19	0.68	0.00	0.86
3.10	0.00	0.22	0.74	0.00	0.96
3.20	0.00	0.24	0.82	0.00	1.06
3.30	0.00	0.27	0.89	0.00	1.17
3.40	0.00	0.30	0.97	0.00	1.28
3.50	0.00	0.34	1.06	0.00	1.39
3.60	0.00	0.37	1.14	0.00	1.51
3.70	0.00	0.41	1.23	0.00	1.64
3.80	0.00	0.44	1.32	0.00	1.77
3.90	0.00	0.48	1.42	0.00	1.90
4.00	0.00	0.53	1.52	0.00	2.04
4.10	0.00	0.57	1.62	0.00	2.19
4.20	0.00	0.61	1.73	0.00	2.34
4.30	0.00	0.66	1.84	0.00	2.50
4.40	0.00	0.71	1.95	0.00	2.66
4.50	0.00	0.76	2.07	0.00	2.82
4.60	0.00	0.81	2.19	0.00	3.00
4.70	0.00	0.86	2.31	0.00	3.17
4.80	0.00	0.91	2.44	0.00	3.35
4.90	0.00	0.97	2.57	0.00	3.54
5.00	0.00	1.03	2.70	0.00	3.73
5.10	0.00	1.09	2.84	0.00	3.93
5.20	0.00	1.15	2.98	0.00	4.13
5.30	0.00	1.21	3.12	0.00	4.34
5.40	0.00	1.28	3.27	0.00	4.55
5.50	0.00	1.34	3.42	0.00	4.76
5.60	0.00	1.41	3.57	0.00	4.99
5.70	0.00	1.48	3.73	0.00	5.21
5.80	0.00	1.55	3.89	0.00	5.44
5.90	0.00	1.63	4.05	0.00	5.68
6.00	0.00	1.70	4.22	0.00	5.92
6.10	0.05	1.78	4.39	0.00	6.22

6.20	0.10	1.86	4.57	0.00	6.52
6.30	0.15	1.94	4.74	0.00	6.83
6.40	0.20	2.02	4.92	0.00	7.14
6.50	0.25	2.10	5.11	0.00	7.46
6.60	0.30	2.19	5.30	0.00	7.78
6.70	0.35	2.27	5.49	0.00	8.11
6.80	0.40	2.36	5.68	0.00	8.44
6.90	0.45	2.45	5.88	0.00	8.78
7.00	0.50	2.54	6.08	0.00	9.13
7.10	0.56	2.63	6.28	0.00	9.47
7.20	0.61	2.73	6.48	0.00	9.82
7.30	0.66	2.82	6.69	0.00	10.16
7.40	0.71	2.91	6.89	0.00	10.51
7.50	0.76	3.00	7.09	0.00	10.85
7.60	0.81	3.10	7.29	0.00	11.20
7.70	0.86	3.19	7.50	0.00	11.54
7.80	0.91	3.28	7.70	0.00	11.89
7.90	0.96	3.37	7.90	0.00	12.24
8.00	1.01	3.47	8.11	0.00	12.58

Scenario:	Exist. 100Y-3D
Node:	Node-B-1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	28.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.5000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.5000	B-1	B-1	~SFWMD-72

Comment:

Scenario:	Exist. 100Y-3D
Node:	Node-B-2A
Hydrograph Method:	NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 18.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6900	B-2A	B-2A	~SFWMD-72

Comment:

Manual Basin: B-2B

Scenario: Exist. 100Y-3D
 Node: Node-B-2B
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 21.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.8000	B-2B	B-2B	~SFWMD-72

Comment:

Manual Basin: B-3A

Scenario: Exist. 100Y-3D
 Node: Node-B-3A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 24.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.9600	B-3A	B-3A	~SFWMD-72

Comment:

Manual Basin: B-3B

Scenario: Exist. 100Y-3D
 Node: Node-B-3B
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 40.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.4000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.4000	B-3B	B-3B	~SFWMD-72

Comment:

Manual Basin: B-4

Scenario: Exist. 100Y-3D
 Node: Node-B-4
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 43.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.4600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.4600	B-4	B-4	~SFWMD-72

Comment:

Manual Basin: B-1

Scenario: Exist. 100Y-3D Zero Discharge
 Node: Node-B-1
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 28.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.5000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.5000	B-1	B-1	~SFWMD-72

Comment:

Manual Basin: B-2A

Scenario: Exist. 100Y-3D Zero Discharge
 Node: Node-B-2A
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 18.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6900	B-2A	B-2A	~SFWMD-72

Comment:

Manual Basin: B-2B

Scenario: Exist. 100Y-3D Zero Discharge
 Node: Node-B-2B
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 21.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.8000	B-2B	B-2B	~SFWMD-72

Comment:

Manual Basin: B-3A

Scenario: Exist. 100Y-3D Zero Discharge
 Node: Node-B-3A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 24.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.9600	B-3A	B-3A	~SFWMD-72

Comment:

Manual Basin: B-3B

Scenario: Exist. 100Y-3D Zero Discharge
 Node: Node-B-3B
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 40.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.4000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.4000	B-3B	B-3B	~SFWMD-72

Comment:

Manual Basin: B-4

Scenario: Exist. 100Y-3D Zero Discharge
 Node: Node-B-4
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 43.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.4600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.4600	B-4	B-4	~SFWMD-72

Comment:

Manual Basin: B-1

Scenario: Exist. 10Y-1D
 Node: Node-B-1
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 28.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.5000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.5000	B-1	B-1	~FLMOD

Comment:

Manual Basin: B-2A

Scenario: Exist. 10Y-1D
 Node: Node-B-2A
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 18.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6900	B-2A	B-2A	~FLMOD

Comment:

Manual Basin: B-2B

Scenario: Exist. 10Y-1D
 Node: Node-B-2B
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 21.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.8000	B-2B	B-2B	~FLMOD

Comment:

Manual Basin: B-3A

Scenario: Exist. 10Y-1D
 Node: Node-B-3A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 24.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.9600	B-3A	B-3A	~FLMOD

Comment:

Manual Basin: B-3B

Scenario: Exist. 10Y-1D
 Node: Node-B-3B
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 40.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.4000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.4000	B-3B	B-3B	~FLMOD

Comment:

Manual Basin: B-4

Scenario: Exist. 10Y-1D
 Node: Node-B-4
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 43.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.4600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.4600	B-4	B-4	~FLMOD

Comment:

Manual Basin: B-1

Scenario: Exist. 25Y-3D
 Node: Node-B-1
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 28.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.5000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.5000	B-1	B-1	~SFWMD-72

Comment:

Manual Basin: B-2A

Scenario: Exist. 25Y-3D
 Node: Node-B-2A
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 18.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6900	B-2A	B-2A	~SFWMD-72

Comment:

Manual Basin: B-2B

Scenario: Exist. 25Y-3D
 Node: Node-B-2B
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 21.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.8000	B-2B	B-2B	~SFWMD-72

Comment:

Manual Basin: B-3A

Scenario: Exist. 25Y-3D
 Node: Node-B-3A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 24.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.9600	B-3A	B-3A	~SFWMD-72

Comment:

Manual Basin: B-3B

Scenario: Exist. 25Y-3D
 Node: Node-B-3B
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 40.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.4000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.4000	B-3B	B-3B	~SFWMD-72

Comment:

Manual Basin: B-4

Scenario: Exist. 25Y-3D
 Node: Node-B-4
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 43.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.4600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.4600	B-4	B-4	~SFWMD-72

Comment:

Manual Basin: B-1

Scenario: Exist. 3Y-1D
 Node: Node-B-1
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 28.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.5000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.5000	B-1	B-1	~FLMOD

Comment:

Manual Basin: B-2A

Scenario: Exist. 3Y-1D
 Node: Node-B-2A
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 18.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6900	B-2A	B-2A	~FLMOD

Comment:

Manual Basin: B-2B

Scenario: Exist. 3Y-1D
 Node: Node-B-2B
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 21.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.8000	B-2B	B-2B	~FLMOD

Comment:

Manual Basin: B-3A

Scenario: Exist. 3Y-1D
 Node: Node-B-3A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 24.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.9600	B-3A	B-3A	~FLMOD

Comment:

Manual Basin: B-3B

Scenario: Exist. 3Y-1D
 Node: Node-B-3B
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 40.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.4000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.4000	B-3B	B-3B	~FLMOD

Comment:

Manual Basin: B-4

Scenario: Exist. 3Y-1D
 Node: Node-B-4
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 43.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.4600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.4600	B-4	B-4	~FLMOD

Comment:

Node: NE Offsite

Scenario: Exist. 100Y-3D
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Portion of flow that leaks to the NE from Basin B-4. Stage assumed same as the main tailwater.

Node: Node-B-1

Scenario: Exist. 100Y-3D
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0200	871
2.90	0.0500	2178
3.00	0.0900	3920
3.10	0.1200	5227
3.20	0.1500	6534
3.30	0.1900	8276
3.40	0.2200	9583
3.50	0.2600	11326
3.60	0.2900	12632
3.70	0.3200	13939
3.80	0.3600	15682
3.90	0.3900	16988
4.00	0.4300	18731
4.10	0.4600	20038
4.20	0.5000	21780
4.30	0.5300	23087
4.40	0.5600	24394
4.50	0.6000	26136
4.60	0.7000	30492
4.70	0.8100	35284
4.80	0.9200	40075
4.90	1.0200	44431
5.00	1.1300	49223
5.10	1.2300	53579
5.20	1.3300	57935
5.30	1.4200	61855
5.40	1.5200	66211
5.50	1.6200	70567
5.60	1.7200	74923
5.70	1.8200	79279
5.80	1.9200	83635
5.90	2.0100	87556
6.00	2.6700	116305
6.10	2.7700	120661
6.20	2.8600	124582
6.30	2.9600	128938
6.40	3.0600	133294
6.50	3.1600	137650
6.60	3.2600	142006
6.70	3.3600	146362
6.80	3.4500	150282
6.90	3.5500	154638
7.00	3.6500	158994
7.10	3.7500	163350
7.20	3.8500	167706
7.30	3.9500	172062
7.40	4.0400	175982
7.50	4.1400	180338
7.60	4.2100	183388

Stage [ft]	Area [ac]	Area [ft2]
7.70	4.2900	186872
7.80	4.3600	189922
7.90	4.4300	192971
8.00	4.5000	196020

Comment:

Node: Node-B-2A

Scenario: Exist. 100Y-3D

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0000	0
2.60	0.0100	436
2.70	0.0200	871
2.80	0.0400	1742
2.90	0.0500	2178
3.00	0.0600	2614
3.10	0.0700	3049
3.20	0.0800	3485
3.30	0.0900	3920
3.40	0.1100	4792
3.50	0.1200	5227
3.60	0.1300	5663
3.70	0.1400	6098
3.80	0.1500	6534
3.90	0.1600	6970
4.00	0.1800	7841
4.10	0.1900	8276
4.20	0.2000	8712
4.30	0.2100	9148
4.40	0.2200	9583
4.50	0.2300	10019
4.60	0.2600	11326
4.70	0.2800	12197
4.80	0.3000	13068
4.90	0.3200	13939
5.00	0.3400	14810
5.10	0.3600	15682
5.20	0.3900	16988
5.30	0.4100	17860
5.40	0.4300	18731
5.50	0.4500	19602
5.60	0.4700	20473
5.70	0.5000	21780
5.80	0.5200	22651
5.90	0.5400	23522
6.00	1.0300	44867
6.10	1.0600	46174

Stage [ft]	Area [ac]	Area [ft2]
6.20	1.0800	47045
6.30	1.1000	47916
6.40	1.1200	48787
6.50	1.1400	49658
6.60	1.1700	50965
6.70	1.1900	51836
6.80	1.2100	52708
6.90	1.2300	53579
7.00	1.2500	54450
7.10	1.2700	55321
7.20	1.3000	56628
7.30	1.3200	57499
7.40	1.3400	58370
7.50	1.3600	59242
7.60	1.3800	60113
7.70	1.4000	60984
7.80	1.4300	62291
7.90	1.4500	63162
8.00	1.4700	64033

Comment:

Node: Node-B-2B

Scenario: Exist. 100Y-3D
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.00 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0000	0
2.90	0.0000	0
3.00	0.0000	0
3.10	0.0700	3049
3.20	0.1500	6534
3.30	0.2200	9583
3.40	0.3000	13068
3.50	0.3700	16117
3.60	0.4600	20038
3.70	0.5500	23958
3.80	0.6300	27443
3.90	0.7200	31363
4.00	0.8000	34848
4.10	0.8900	38768
4.20	0.9700	42253
4.30	1.0600	46174
4.40	1.1500	50094
4.50	1.2300	53579
4.60	1.3200	57499
4.70	1.4000	60984

Stage [ft]	Area [ac]	Area [ft2]
4.80	1.4900	64904
4.90	1.5800	68825
5.00	1.6600	72310
5.10	1.7500	76230
5.20	1.8300	79715
5.30	1.9200	83635
5.40	2.0100	87556
5.50	2.0900	91040
5.60	2.1800	94961
5.70	2.2600	98446
5.80	2.3500	102366
5.90	2.4400	106286
6.00	2.9400	128066
6.10	3.0200	131551
6.20	3.1100	135472
6.30	3.2000	139392
6.40	3.2800	142877
6.50	3.3700	146797
6.60	3.4500	150282
6.70	3.5400	154202
6.80	3.6300	158123
6.90	3.7100	161608
7.00	3.8000	165528
7.10	3.8000	165528
7.20	3.8000	165528

Comment:

Node: Node-B-3A

Scenario: Exist. 100Y-3D
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0000	0
2.90	0.0000	0
3.00	0.0000	0
3.10	0.0100	436
3.20	0.0200	871
3.30	0.0300	1307
3.40	0.0400	1742
3.50	0.0400	1742
3.60	0.0600	2614
3.70	0.0700	3049
3.80	0.0900	3920
3.90	0.1000	4356
4.00	0.1100	4792
4.10	0.1300	5663

Stage [ft]	Area [ac]	Area [ft2]
4.20	0.1400	6098
4.30	0.1600	6970
4.40	0.1700	7405
4.50	0.1800	7841
4.60	0.2000	8712
4.70	0.2100	9148
4.80	0.2300	10019
4.90	0.2400	10454
5.00	0.2500	10890
5.10	0.2700	11761
5.20	0.2800	12197
5.30	0.3000	13068
5.40	0.3100	13504
5.50	0.3300	14375
5.60	0.3400	14810
5.70	0.3500	15246
5.80	0.3700	16117
5.90	0.3800	16553
6.00	0.5400	23522
6.10	0.5500	23958
6.20	0.5700	24829
6.30	0.5800	25265
6.40	0.5900	25700
6.50	0.6100	26572
6.60	0.6200	27007
6.70	0.6400	27878
6.80	0.6500	28314
6.90	0.6600	28750
7.00	0.6800	29621
7.10	0.6900	30056
7.20	0.7100	30928
7.30	0.7200	31363
7.40	0.7300	31799
7.50	0.7500	32670
7.60	0.7600	33106
7.70	0.7800	33977
7.80	0.7900	34412
7.90	0.8000	34848
8.00	0.8200	35719
8.10	0.8300	36155
8.20	0.8500	37026
8.30	0.8600	37462
8.40	0.8700	37897
8.50	0.8900	38768
8.60	0.9000	39204
8.70	0.9200	40075
8.80	0.9300	40511
8.90	0.9400	40946
9.00	0.9600	41818

Comment:

Node: Node-B-3B

Scenario: Exist. 100Y-3D
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.00 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
0.10	0.0000	0
0.20	0.0000	0
0.30	0.0000	0
0.40	0.0000	0
0.50	0.0000	0
0.60	0.0200	871
0.70	0.0300	1307
0.80	0.0500	2178
0.90	0.0700	3049
1.00	0.0800	3485
1.10	0.1000	4356
1.20	0.1100	4792
1.30	0.1300	5663
1.40	0.1500	6534
1.50	0.1600	6970
1.60	0.1800	7841
1.70	0.2000	8712
1.80	0.2100	9148
1.90	0.2300	10019
2.00	0.2500	10890
2.10	0.3100	13504
2.20	0.3800	16553
2.30	0.4500	19602
2.40	0.5200	22651
2.50	0.5900	25700
2.60	0.6500	28314
2.70	0.7100	30928
2.80	0.7700	33541
2.90	0.8300	36155
3.00	0.8900	38768
3.10	0.9500	41382
3.20	1.0100	43996
3.30	1.0800	47045
3.40	1.1400	49658
3.50	1.2000	52272
3.60	1.2600	54886
3.70	1.3200	57499
3.80	1.3800	60113
3.90	1.4400	62726
4.00	1.5000	65340
4.10	1.5600	67954
4.20	1.6200	70567
4.30	1.6900	73616
4.40	1.7500	76230
4.50	1.8100	78844
4.60	1.8700	81457
4.70	1.9300	84071
4.80	1.9900	86684

Stage [ft]	Area [ac]	Area [ft2]
4.90	2.0500	89298
5.00	2.1100	91912
5.10	2.1700	94525
5.20	2.2300	97139
5.30	2.2900	99752
5.40	2.3600	102802
5.50	2.4200	105415
5.60	2.4800	108029
5.70	2.5400	110642
5.80	2.6000	113256
5.90	2.6600	115870
6.00	3.5700	155509
6.10	3.6300	158123
6.20	3.6900	160736
6.30	3.7500	163350
6.40	3.8100	165964
6.50	3.8700	168577
6.60	3.9300	171191
6.70	3.9900	173804
6.80	4.0500	176418
6.90	4.1200	179467
7.00	4.1800	182081
7.10	4.2400	184694
7.20	4.3000	187308
7.30	4.3600	189922
7.40	4.4200	192535
7.50	4.4800	195149
7.60	4.5400	197762
7.70	4.6000	200376
7.80	4.6600	202990
7.90	4.7300	206039
8.00	4.7900	208652

Comment:

Node: Node-B-4

Scenario: Exist. 100Y-3D
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.00 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
1.10	0.0300	1307
1.20	0.0700	3049
1.30	0.1000	4356
1.40	0.1400	6098
1.50	0.1700	7405
1.60	0.2200	9583
1.70	0.2700	11761
1.80	0.3200	13939
1.90	0.3700	16117

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.4200	18295
2.10	0.4700	20473
2.20	0.5200	22651
2.30	0.5700	24829
2.40	0.6200	27007
2.50	0.6700	29185
2.60	0.7300	31799
2.70	0.7800	33977
2.80	0.8300	36155
2.90	0.8800	38333
3.00	0.9300	40511
3.10	0.9800	42689
3.20	1.0300	44867
3.30	1.0800	47045
3.40	1.1300	49223
3.50	1.1800	51401
3.60	1.2300	53579
3.70	1.2800	55757
3.80	1.3300	57935
3.90	1.3800	60113
4.00	1.4300	62291
4.10	1.4800	64469
4.20	1.5300	66647
4.30	1.5800	68825
4.40	1.6400	71438
4.50	1.6900	73616
4.60	1.7400	75794
4.70	1.7900	77972
4.80	1.8400	80150
4.90	1.8900	82328
5.00	1.9400	84506
5.10	1.9900	86684
5.20	2.0400	88862
5.30	2.0900	91040
5.40	2.1400	93218
5.50	2.1900	95396
5.60	2.2400	97574
5.70	2.2900	99752
5.80	2.3400	101930
5.90	2.3900	104108
6.00	2.9500	128502
6.10	3.0000	130680
6.20	3.0500	132858
6.30	3.1000	135036
6.40	3.1500	137214
6.50	3.2000	139392
6.60	3.2500	141570
6.70	3.3000	143748
6.80	3.3500	145926
6.90	3.4000	148104
7.00	3.4600	150718
7.10	3.4600	150718
7.20	3.4600	150718
7.30	3.4600	150718
7.40	3.4600	150718

Stage [ft]	Area [ac]	Area [ft2]
7.50	3.4600	150718
7.60	3.4600	150718
7.70	3.4600	150718
7.80	3.4600	150718
7.90	3.4600	150718
8.00	3.4600	150718

Comment:

Node: South Offsite

Scenario: Exist. 100Y-3D
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Portion of flow that leaks to the south. Stage assumed same as the main tailwater.

Node: TW_100YR

Scenario: Exist. 100Y-3D
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Stage information taken from CAPTEC analysis for All American Ditch Stormwater Quality Retrofit, dated August 2015. Stage determined to be conservative, but not so high as to not be able to truly analyze the stormwater system.

Node: NE Offsite

Scenario: Exist. 100Y-3D Zero Discharge
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Portion of flow that leaks to the NE from Basin B-4. Stage assumed same as the main tailwater.

Node: Node-B-1

Scenario: Exist. 100Y-3D Zero Discharge

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0200	871
2.90	0.0500	2178
3.00	0.0900	3920
3.10	0.1200	5227
3.20	0.1500	6534
3.30	0.1900	8276
3.40	0.2200	9583
3.50	0.2600	11326
3.60	0.2900	12632
3.70	0.3200	13939
3.80	0.3600	15682
3.90	0.3900	16988
4.00	0.4300	18731
4.10	0.4600	20038
4.20	0.5000	21780
4.30	0.5300	23087
4.40	0.5600	24394
4.50	0.6000	26136
4.60	0.7000	30492
4.70	0.8100	35284
4.80	0.9200	40075
4.90	1.0200	44431
5.00	1.1300	49223
5.10	1.2300	53579
5.20	1.3300	57935
5.30	1.4200	61855
5.40	1.5200	66211
5.50	1.6200	70567
5.60	1.7200	74923
5.70	1.8200	79279
5.80	1.9200	83635
5.90	2.0100	87556
6.00	2.6700	116305
6.10	2.7700	120661

Stage [ft]	Area [ac]	Area [ft2]
6.20	2.8600	124582
6.30	2.9600	128938
6.40	3.0600	133294
6.50	3.1600	137650
6.60	3.2600	142006
6.70	3.3600	146362
6.80	3.4500	150282
6.90	3.5500	154638
7.00	3.6500	158994
7.10	3.7500	163350
7.20	3.8500	167706
7.30	3.9500	172062
7.40	4.0400	175982
7.50	4.1400	180338
7.60	4.2100	183388
7.70	4.2900	186872
7.80	4.3600	189922
7.90	4.4300	192971
8.00	4.5000	196020

Comment:

Node: Node-B-2A

Scenario: Exist. 100Y-3D Zero Discharge

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0000	0
2.60	0.0100	436
2.70	0.0200	871
2.80	0.0400	1742
2.90	0.0500	2178
3.00	0.0600	2614
3.10	0.0700	3049
3.20	0.0800	3485
3.30	0.0900	3920
3.40	0.1100	4792
3.50	0.1200	5227
3.60	0.1300	5663
3.70	0.1400	6098
3.80	0.1500	6534
3.90	0.1600	6970
4.00	0.1800	7841
4.10	0.1900	8276
4.20	0.2000	8712
4.30	0.2100	9148
4.40	0.2200	9583
4.50	0.2300	10019
4.60	0.2600	11326

Stage [ft]	Area [ac]	Area [ft2]
4.70	0.2800	12197
4.80	0.3000	13068
4.90	0.3200	13939
5.00	0.3400	14810
5.10	0.3600	15682
5.20	0.3900	16988
5.30	0.4100	17860
5.40	0.4300	18731
5.50	0.4500	19602
5.60	0.4700	20473
5.70	0.5000	21780
5.80	0.5200	22651
5.90	0.5400	23522
6.00	1.0300	44867
6.10	1.0600	46174
6.20	1.0800	47045
6.30	1.1000	47916
6.40	1.1200	48787
6.50	1.1400	49658
6.60	1.1700	50965
6.70	1.1900	51836
6.80	1.2100	52708
6.90	1.2300	53579
7.00	1.2500	54450
7.10	1.2700	55321
7.20	1.3000	56628
7.30	1.3200	57499
7.40	1.3400	58370
7.50	1.3600	59242
7.60	1.3800	60113
7.70	1.4000	60984
7.80	1.4300	62291
7.90	1.4500	63162
8.00	1.4700	64033

Comment:

Node: Node-B-2B

Scenario: Exist. 100Y-3D Zero Discharge

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0000	0
2.90	0.0000	0
3.00	0.0000	0
3.10	0.0700	3049
3.20	0.1500	6534

Stage [ft]	Area [ac]	Area [ft2]
3.30	0.2200	9583
3.40	0.3000	13068
3.50	0.3700	16117
3.60	0.4600	20038
3.70	0.5500	23958
3.80	0.6300	27443
3.90	0.7200	31363
4.00	0.8000	34848
4.10	0.8900	38768
4.20	0.9700	42253
4.30	1.0600	46174
4.40	1.1500	50094
4.50	1.2300	53579
4.60	1.3200	57499
4.70	1.4000	60984
4.80	1.4900	64904
4.90	1.5800	68825
5.00	1.6600	72310
5.10	1.7500	76230
5.20	1.8300	79715
5.30	1.9200	83635
5.40	2.0100	87556
5.50	2.0900	91040
5.60	2.1800	94961
5.70	2.2600	98446
5.80	2.3500	102366
5.90	2.4400	106286
6.00	2.9400	128066
6.10	3.0200	131551
6.20	3.1100	135472
6.30	3.2000	139392
6.40	3.2800	142877
6.50	3.3700	146797
6.60	3.4500	150282
6.70	3.5400	154202
6.80	3.6300	158123
6.90	3.7100	161608
7.00	3.8000	165528
7.10	3.8000	165528
7.20	3.8000	165528

Comment:

Node: Node-B-3A

Scenario: Exist. 100Y-3D Zero Discharge
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.60	0.0000	0

Stage [ft]	Area [ac]	Area [ft2]
2.70	0.0000	0
2.80	0.0000	0
2.90	0.0000	0
3.00	0.0000	0
3.10	0.0100	436
3.20	0.0200	871
3.30	0.0300	1307
3.40	0.0400	1742
3.50	0.0400	1742
3.60	0.0600	2614
3.70	0.0700	3049
3.80	0.0900	3920
3.90	0.1000	4356
4.00	0.1100	4792
4.10	0.1300	5663
4.20	0.1400	6098
4.30	0.1600	6970
4.40	0.1700	7405
4.50	0.1800	7841
4.60	0.2000	8712
4.70	0.2100	9148
4.80	0.2300	10019
4.90	0.2400	10454
5.00	0.2500	10890
5.10	0.2700	11761
5.20	0.2800	12197
5.30	0.3000	13068
5.40	0.3100	13504
5.50	0.3300	14375
5.60	0.3400	14810
5.70	0.3500	15246
5.80	0.3700	16117
5.90	0.3800	16553
6.00	0.5400	23522
6.10	0.5500	23958
6.20	0.5700	24829
6.30	0.5800	25265
6.40	0.5900	25700
6.50	0.6100	26572
6.60	0.6200	27007
6.70	0.6400	27878
6.80	0.6500	28314
6.90	0.6600	28750
7.00	0.6800	29621
7.10	0.6900	30056
7.20	0.7100	30928
7.30	0.7200	31363
7.40	0.7300	31799
7.50	0.7500	32670
7.60	0.7600	33106
7.70	0.7800	33977
7.80	0.7900	34412
7.90	0.8000	34848
8.00	0.8200	35719
8.10	0.8300	36155

Stage [ft]	Area [ac]	Area [ft2]
8.20	0.8500	37026
8.30	0.8600	37462
8.40	0.8700	37897
8.50	0.8900	38768
8.60	0.9000	39204
8.70	0.9200	40075
8.80	0.9300	40511
8.90	0.9400	40946
9.00	0.9600	41818

Comment:

Node: Node-B-3B

Scenario: Exist. 100Y-3D Zero Discharge

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 1.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
0.10	0.0000	0
0.20	0.0000	0
0.30	0.0000	0
0.40	0.0000	0
0.50	0.0000	0
0.60	0.0200	871
0.70	0.0300	1307
0.80	0.0500	2178
0.90	0.0700	3049
1.00	0.0800	3485
1.10	0.1000	4356
1.20	0.1100	4792
1.30	0.1300	5663
1.40	0.1500	6534
1.50	0.1600	6970
1.60	0.1800	7841
1.70	0.2000	8712
1.80	0.2100	9148
1.90	0.2300	10019
2.00	0.2500	10890
2.10	0.3100	13504
2.20	0.3800	16553
2.30	0.4500	19602
2.40	0.5200	22651
2.50	0.5900	25700
2.60	0.6500	28314
2.70	0.7100	30928
2.80	0.7700	33541
2.90	0.8300	36155
3.00	0.8900	38768
3.10	0.9500	41382
3.20	1.0100	43996

Stage [ft]	Area [ac]	Area [ft2]
3.30	1.0800	47045
3.40	1.1400	49658
3.50	1.2000	52272
3.60	1.2600	54886
3.70	1.3200	57499
3.80	1.3800	60113
3.90	1.4400	62726
4.00	1.5000	65340
4.10	1.5600	67954
4.20	1.6200	70567
4.30	1.6900	73616
4.40	1.7500	76230
4.50	1.8100	78844
4.60	1.8700	81457
4.70	1.9300	84071
4.80	1.9900	86684
4.90	2.0500	89298
5.00	2.1100	91912
5.10	2.1700	94525
5.20	2.2300	97139
5.30	2.2900	99752
5.40	2.3600	102802
5.50	2.4200	105415
5.60	2.4800	108029
5.70	2.5400	110642
5.80	2.6000	113256
5.90	2.6600	115870
6.00	3.5700	155509
6.10	3.6300	158123
6.20	3.6900	160736
6.30	3.7500	163350
6.40	3.8100	165964
6.50	3.8700	168577
6.60	3.9300	171191
6.70	3.9900	173804
6.80	4.0500	176418
6.90	4.1200	179467
7.00	4.1800	182081
7.10	4.2400	184694
7.20	4.3000	187308
7.30	4.3600	189922
7.40	4.4200	192535
7.50	4.4800	195149
7.60	4.5400	197762
7.70	4.6000	200376
7.80	4.6600	202990
7.90	4.7300	206039
8.00	4.7900	208652

Comment:

Node: Node-B-4

Scenario: Exist. 100Y-3D Zero Discharge

Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.00 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
1.10	0.0300	1307
1.20	0.0700	3049
1.30	0.1000	4356
1.40	0.1400	6098
1.50	0.1700	7405
1.60	0.2200	9583
1.70	0.2700	11761
1.80	0.3200	13939
1.90	0.3700	16117
2.00	0.4200	18295
2.10	0.4700	20473
2.20	0.5200	22651
2.30	0.5700	24829
2.40	0.6200	27007
2.50	0.6700	29185
2.60	0.7300	31799
2.70	0.7800	33977
2.80	0.8300	36155
2.90	0.8800	38333
3.00	0.9300	40511
3.10	0.9800	42689
3.20	1.0300	44867
3.30	1.0800	47045
3.40	1.1300	49223
3.50	1.1800	51401
3.60	1.2300	53579
3.70	1.2800	55757
3.80	1.3300	57935
3.90	1.3800	60113
4.00	1.4300	62291
4.10	1.4800	64469
4.20	1.5300	66647
4.30	1.5800	68825
4.40	1.6400	71438
4.50	1.6900	73616
4.60	1.7400	75794
4.70	1.7900	77972
4.80	1.8400	80150
4.90	1.8900	82328
5.00	1.9400	84506
5.10	1.9900	86684
5.20	2.0400	88862
5.30	2.0900	91040
5.40	2.1400	93218
5.50	2.1900	95396
5.60	2.2400	97574
5.70	2.2900	99752
5.80	2.3400	101930
5.90	2.3900	104108

Stage [ft]	Area [ac]	Area [ft2]
6.00	2.9500	128502
6.10	3.0000	130680
6.20	3.0500	132858
6.30	3.1000	135036
6.40	3.1500	137214
6.50	3.2000	139392
6.60	3.2500	141570
6.70	3.3000	143748
6.80	3.3500	145926
6.90	3.4000	148104
7.00	3.4600	150718
7.10	3.4600	150718
7.20	3.4600	150718
7.30	3.4600	150718
7.40	3.4600	150718
7.50	3.4600	150718
7.60	3.4600	150718
7.70	3.4600	150718
7.80	3.4600	150718
7.90	3.4600	150718
8.00	3.4600	150718

Comment:

Node: South Offsite

Scenario: Exist. 100Y-3D Zero Discharge
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Portion of flow that leaks to the south. Stage assumed same as the main tailwater.

Node: TW_100YR

Scenario: Exist. 100Y-3D Zero Discharge
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	60.0000	1.00

Year	Month	Day	Hour	Stage [ft]
0	0	0	360.0000	0.50

Comment: Stage information taken from CAPTEC analysis for All American Ditch Stormwater Quality Retrofit, dated August 2015. Stage determined to be conservative, but not so high as to not be able to truly analyze the stormwater system.

Node: NE Offsite

Scenario: Exist. 10Y-1D
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	12.0000	0.50
0	0	0	72.0000	0.50

Comment: Portion of flow that leaks to the NE from Basin B-4. Stage assumed same as the main tailwater.

Node: Node-B-1

Scenario: Exist. 10Y-1D
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.00 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0200	871
2.90	0.0500	2178
3.00	0.0900	3920
3.10	0.1200	5227
3.20	0.1500	6534
3.30	0.1900	8276
3.40	0.2200	9583
3.50	0.2600	11326
3.60	0.2900	12632
3.70	0.3200	13939
3.80	0.3600	15682
3.90	0.3900	16988
4.00	0.4300	18731
4.10	0.4600	20038
4.20	0.5000	21780
4.30	0.5300	23087
4.40	0.5600	24394
4.50	0.6000	26136

Stage [ft]	Area [ac]	Area [ft2]
4.60	0.7000	30492
4.70	0.8100	35284
4.80	0.9200	40075
4.90	1.0200	44431
5.00	1.1300	49223
5.10	1.2300	53579
5.20	1.3300	57935
5.30	1.4200	61855
5.40	1.5200	66211
5.50	1.6200	70567
5.60	1.7200	74923
5.70	1.8200	79279
5.80	1.9200	83635
5.90	2.0100	87556
6.00	2.6700	116305
6.10	2.7700	120661
6.20	2.8600	124582
6.30	2.9600	128938
6.40	3.0600	133294
6.50	3.1600	137650
6.60	3.2600	142006
6.70	3.3600	146362
6.80	3.4500	150282
6.90	3.5500	154638
7.00	3.6500	158994
7.10	3.7500	163350
7.20	3.8500	167706
7.30	3.9500	172062
7.40	4.0400	175982
7.50	4.1400	180338
7.60	4.2100	183388
7.70	4.2900	186872
7.80	4.3600	189922
7.90	4.4300	192971
8.00	4.5000	196020

Comment:

Node: Node-B-2A

Scenario: Exist. 10Y-1D
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0000	0
2.60	0.0100	436
2.70	0.0200	871
2.80	0.0400	1742
2.90	0.0500	2178
3.00	0.0600	2614

Stage [ft]	Area [ac]	Area [ft2]
3.10	0.0700	3049
3.20	0.0800	3485
3.30	0.0900	3920
3.40	0.1100	4792
3.50	0.1200	5227
3.60	0.1300	5663
3.70	0.1400	6098
3.80	0.1500	6534
3.90	0.1600	6970
4.00	0.1800	7841
4.10	0.1900	8276
4.20	0.2000	8712
4.30	0.2100	9148
4.40	0.2200	9583
4.50	0.2300	10019
4.60	0.2600	11326
4.70	0.2800	12197
4.80	0.3000	13068
4.90	0.3200	13939
5.00	0.3400	14810
5.10	0.3600	15682
5.20	0.3900	16988
5.30	0.4100	17860
5.40	0.4300	18731
5.50	0.4500	19602
5.60	0.4700	20473
5.70	0.5000	21780
5.80	0.5200	22651
5.90	0.5400	23522
6.00	1.0300	44867
6.10	1.0600	46174
6.20	1.0800	47045
6.30	1.1000	47916
6.40	1.1200	48787
6.50	1.1400	49658
6.60	1.1700	50965
6.70	1.1900	51836
6.80	1.2100	52708
6.90	1.2300	53579
7.00	1.2500	54450
7.10	1.2700	55321
7.20	1.3000	56628
7.30	1.3200	57499
7.40	1.3400	58370
7.50	1.3600	59242
7.60	1.3800	60113
7.70	1.4000	60984
7.80	1.4300	62291
7.90	1.4500	63162
8.00	1.4700	64033

Comment:

Node: Node-B-2B

Scenario: Exist. 10Y-1D
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.00 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0000	0
2.90	0.0000	0
3.00	0.0000	0
3.10	0.0700	3049
3.20	0.1500	6534
3.30	0.2200	9583
3.40	0.3000	13068
3.50	0.3700	16117
3.60	0.4600	20038
3.70	0.5500	23958
3.80	0.6300	27443
3.90	0.7200	31363
4.00	0.8000	34848
4.10	0.8900	38768
4.20	0.9700	42253
4.30	1.0600	46174
4.40	1.1500	50094
4.50	1.2300	53579
4.60	1.3200	57499
4.70	1.4000	60984
4.80	1.4900	64904
4.90	1.5800	68825
5.00	1.6600	72310
5.10	1.7500	76230
5.20	1.8300	79715
5.30	1.9200	83635
5.40	2.0100	87556
5.50	2.0900	91040
5.60	2.1800	94961
5.70	2.2600	98446
5.80	2.3500	102366
5.90	2.4400	106286
6.00	2.9400	128066
6.10	3.0200	131551
6.20	3.1100	135472
6.30	3.2000	139392
6.40	3.2800	142877
6.50	3.3700	146797
6.60	3.4500	150282
6.70	3.5400	154202
6.80	3.6300	158123
6.90	3.7100	161608
7.00	3.8000	165528
7.10	3.8000	165528
7.20	3.8000	165528

Comment:

Node: Node-B-3A

Scenario: Exist. 10Y-1D
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.50 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0000	0
2.90	0.0000	0
3.00	0.0000	0
3.10	0.0100	436
3.20	0.0200	871
3.30	0.0300	1307
3.40	0.0400	1742
3.50	0.0400	1742
3.60	0.0600	2614
3.70	0.0700	3049
3.80	0.0900	3920
3.90	0.1000	4356
4.00	0.1100	4792
4.10	0.1300	5663
4.20	0.1400	6098
4.30	0.1600	6970
4.40	0.1700	7405
4.50	0.1800	7841
4.60	0.2000	8712
4.70	0.2100	9148
4.80	0.2300	10019
4.90	0.2400	10454
5.00	0.2500	10890
5.10	0.2700	11761
5.20	0.2800	12197
5.30	0.3000	13068
5.40	0.3100	13504
5.50	0.3300	14375
5.60	0.3400	14810
5.70	0.3500	15246
5.80	0.3700	16117
5.90	0.3800	16553
6.00	0.5400	23522
6.10	0.5500	23958
6.20	0.5700	24829
6.30	0.5800	25265
6.40	0.5900	25700
6.50	0.6100	26572
6.60	0.6200	27007
6.70	0.6400	27878

Stage [ft]	Area [ac]	Area [ft2]
6.80	0.6500	28314
6.90	0.6600	28750
7.00	0.6800	29621
7.10	0.6900	30056
7.20	0.7100	30928
7.30	0.7200	31363
7.40	0.7300	31799
7.50	0.7500	32670
7.60	0.7600	33106
7.70	0.7800	33977
7.80	0.7900	34412
7.90	0.8000	34848
8.00	0.8200	35719
8.10	0.8300	36155
8.20	0.8500	37026
8.30	0.8600	37462
8.40	0.8700	37897
8.50	0.8900	38768
8.60	0.9000	39204
8.70	0.9200	40075
8.80	0.9300	40511
8.90	0.9400	40946
9.00	0.9600	41818

Comment:

Node: Node-B-3B

Scenario: Exist. 10Y-1D
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
0.10	0.0000	0
0.20	0.0000	0
0.30	0.0000	0
0.40	0.0000	0
0.50	0.0000	0
0.60	0.0200	871
0.70	0.0300	1307
0.80	0.0500	2178
0.90	0.0700	3049
1.00	0.0800	3485
1.10	0.1000	4356
1.20	0.1100	4792
1.30	0.1300	5663
1.40	0.1500	6534
1.50	0.1600	6970
1.60	0.1800	7841
1.70	0.2000	8712
1.80	0.2100	9148

Stage [ft]	Area [ac]	Area [ft2]
1.90	0.2300	10019
2.00	0.2500	10890
2.10	0.3100	13504
2.20	0.3800	16553
2.30	0.4500	19602
2.40	0.5200	22651
2.50	0.5900	25700
2.60	0.6500	28314
2.70	0.7100	30928
2.80	0.7700	33541
2.90	0.8300	36155
3.00	0.8900	38768
3.10	0.9500	41382
3.20	1.0100	43996
3.30	1.0800	47045
3.40	1.1400	49658
3.50	1.2000	52272
3.60	1.2600	54886
3.70	1.3200	57499
3.80	1.3800	60113
3.90	1.4400	62726
4.00	1.5000	65340
4.10	1.5600	67954
4.20	1.6200	70567
4.30	1.6900	73616
4.40	1.7500	76230
4.50	1.8100	78844
4.60	1.8700	81457
4.70	1.9300	84071
4.80	1.9900	86684
4.90	2.0500	89298
5.00	2.1100	91912
5.10	2.1700	94525
5.20	2.2300	97139
5.30	2.2900	99752
5.40	2.3600	102802
5.50	2.4200	105415
5.60	2.4800	108029
5.70	2.5400	110642
5.80	2.6000	113256
5.90	2.6600	115870
6.00	3.5700	155509
6.10	3.6300	158123
6.20	3.6900	160736
6.30	3.7500	163350
6.40	3.8100	165964
6.50	3.8700	168577
6.60	3.9300	171191
6.70	3.9900	173804
6.80	4.0500	176418
6.90	4.1200	179467
7.00	4.1800	182081
7.10	4.2400	184694
7.20	4.3000	187308
7.30	4.3600	189922

Stage [ft]	Area [ac]	Area [ft2]
7.40	4.4200	192535
7.50	4.4800	195149
7.60	4.5400	197762
7.70	4.6000	200376
7.80	4.6600	202990
7.90	4.7300	206039
8.00	4.7900	208652

Comment:

Node: Node-B-4

Scenario: Exist. 10Y-1D
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.00 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
1.10	0.0300	1307
1.20	0.0700	3049
1.30	0.1000	4356
1.40	0.1400	6098
1.50	0.1700	7405
1.60	0.2200	9583
1.70	0.2700	11761
1.80	0.3200	13939
1.90	0.3700	16117
2.00	0.4200	18295
2.10	0.4700	20473
2.20	0.5200	22651
2.30	0.5700	24829
2.40	0.6200	27007
2.50	0.6700	29185
2.60	0.7300	31799
2.70	0.7800	33977
2.80	0.8300	36155
2.90	0.8800	38333
3.00	0.9300	40511
3.10	0.9800	42689
3.20	1.0300	44867
3.30	1.0800	47045
3.40	1.1300	49223
3.50	1.1800	51401
3.60	1.2300	53579
3.70	1.2800	55757
3.80	1.3300	57935
3.90	1.3800	60113
4.00	1.4300	62291
4.10	1.4800	64469
4.20	1.5300	66647
4.30	1.5800	68825
4.40	1.6400	71438

Stage [ft]	Area [ac]	Area [ft2]
4.50	1.6900	73616
4.60	1.7400	75794
4.70	1.7900	77972
4.80	1.8400	80150
4.90	1.8900	82328
5.00	1.9400	84506
5.10	1.9900	86684
5.20	2.0400	88862
5.30	2.0900	91040
5.40	2.1400	93218
5.50	2.1900	95396
5.60	2.2400	97574
5.70	2.2900	99752
5.80	2.3400	101930
5.90	2.3900	104108
6.00	2.9500	128502
6.10	3.0000	130680
6.20	3.0500	132858
6.30	3.1000	135036
6.40	3.1500	137214
6.50	3.2000	139392
6.60	3.2500	141570
6.70	3.3000	143748
6.80	3.3500	145926
6.90	3.4000	148104
7.00	3.4600	150718
7.10	3.4600	150718
7.20	3.4600	150718
7.30	3.4600	150718
7.40	3.4600	150718
7.50	3.4600	150718
7.60	3.4600	150718
7.70	3.4600	150718
7.80	3.4600	150718
7.90	3.4600	150718
8.00	3.4600	150718

Comment:

Node: South Offsite

Scenario: Exist. 10Y-1D
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	12.0000	0.50
0	0	0	72.0000	0.50

Comment: Portion of flow that leaks to the south. Stage assumed same as the main tailwater.

Node: TW_10YR

Scenario: Exist. 10Y-1D
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	12.0000	0.50
0	0	0	72.0000	0.50

Comment: Stage information taken from CAPTEC analysis for All American Ditch Stormwater Quality Retrofit, dated August 2015. Stage determined to be conservative, but not so high as to not be able to truly analyze the stormwater system.

Node: NE Offsite

Scenario: Exist. 25Y-3D
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Portion of flow that leaks to the NE from Basin B-4. Stage assumed same as the main tailwater.

Node: Node-B-1

Scenario: Exist. 25Y-3D
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.00 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0200	871
2.90	0.0500	2178
3.00	0.0900	3920
3.10	0.1200	5227
3.20	0.1500	6534
3.30	0.1900	8276
3.40	0.2200	9583
3.50	0.2600	11326

Stage [ft]	Area [ac]	Area [ft2]
3.60	0.2900	12632
3.70	0.3200	13939
3.80	0.3600	15682
3.90	0.3900	16988
4.00	0.4300	18731
4.10	0.4600	20038
4.20	0.5000	21780
4.30	0.5300	23087
4.40	0.5600	24394
4.50	0.6000	26136
4.60	0.7000	30492
4.70	0.8100	35284
4.80	0.9200	40075
4.90	1.0200	44431
5.00	1.1300	49223
5.10	1.2300	53579
5.20	1.3300	57935
5.30	1.4200	61855
5.40	1.5200	66211
5.50	1.6200	70567
5.60	1.7200	74923
5.70	1.8200	79279
5.80	1.9200	83635
5.90	2.0100	87556
6.00	2.6700	116305
6.10	2.7700	120661
6.20	2.8600	124582
6.30	2.9600	128938
6.40	3.0600	133294
6.50	3.1600	137650
6.60	3.2600	142006
6.70	3.3600	146362
6.80	3.4500	150282
6.90	3.5500	154638
7.00	3.6500	158994
7.10	3.7500	163350
7.20	3.8500	167706
7.30	3.9500	172062
7.40	4.0400	175982
7.50	4.1400	180338
7.60	4.2100	183388
7.70	4.2900	186872
7.80	4.3600	189922
7.90	4.4300	192971
8.00	4.5000	196020

Comment:

Node: Node-B-2A

Scenario: Exist. 25Y-3D
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0000	0
2.60	0.0100	436
2.70	0.0200	871
2.80	0.0400	1742
2.90	0.0500	2178
3.00	0.0600	2614
3.10	0.0700	3049
3.20	0.0800	3485
3.30	0.0900	3920
3.40	0.1100	4792
3.50	0.1200	5227
3.60	0.1300	5663
3.70	0.1400	6098
3.80	0.1500	6534
3.90	0.1600	6970
4.00	0.1800	7841
4.10	0.1900	8276
4.20	0.2000	8712
4.30	0.2100	9148
4.40	0.2200	9583
4.50	0.2300	10019
4.60	0.2600	11326
4.70	0.2800	12197
4.80	0.3000	13068
4.90	0.3200	13939
5.00	0.3400	14810
5.10	0.3600	15682
5.20	0.3900	16988
5.30	0.4100	17860
5.40	0.4300	18731
5.50	0.4500	19602
5.60	0.4700	20473
5.70	0.5000	21780
5.80	0.5200	22651
5.90	0.5400	23522
6.00	1.0300	44867
6.10	1.0600	46174
6.20	1.0800	47045
6.30	1.1000	47916
6.40	1.1200	48787
6.50	1.1400	49658
6.60	1.1700	50965
6.70	1.1900	51836
6.80	1.2100	52708
6.90	1.2300	53579
7.00	1.2500	54450
7.10	1.2700	55321
7.20	1.3000	56628
7.30	1.3200	57499
7.40	1.3400	58370
7.50	1.3600	59242
7.60	1.3800	60113

Stage [ft]	Area [ac]	Area [ft2]
7.70	1.4000	60984
7.80	1.4300	62291
7.90	1.4500	63162
8.00	1.4700	64033

Comment:

Node: Node-B-2B

Scenario: Exist. 25Y-3D

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0000	0
2.90	0.0000	0
3.00	0.0000	0
3.10	0.0700	3049
3.20	0.1500	6534
3.30	0.2200	9583
3.40	0.3000	13068
3.50	0.3700	16117
3.60	0.4600	20038
3.70	0.5500	23958
3.80	0.6300	27443
3.90	0.7200	31363
4.00	0.8000	34848
4.10	0.8900	38768
4.20	0.9700	42253
4.30	1.0600	46174
4.40	1.1500	50094
4.50	1.2300	53579
4.60	1.3200	57499
4.70	1.4000	60984
4.80	1.4900	64904
4.90	1.5800	68825
5.00	1.6600	72310
5.10	1.7500	76230
5.20	1.8300	79715
5.30	1.9200	83635
5.40	2.0100	87556
5.50	2.0900	91040
5.60	2.1800	94961
5.70	2.2600	98446
5.80	2.3500	102366
5.90	2.4400	106286
6.00	2.9400	128066
6.10	3.0200	131551
6.20	3.1100	135472

Stage [ft]	Area [ac]	Area [ft2]
6.30	3.2000	139392
6.40	3.2800	142877
6.50	3.3700	146797
6.60	3.4500	150282
6.70	3.5400	154202
6.80	3.6300	158123
6.90	3.7100	161608
7.00	3.8000	165528
7.10	3.8000	165528
7.20	3.8000	165528

Comment:

Node: Node-B-3A

Scenario: Exist. 25Y-3D

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 1.50 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0000	0
2.90	0.0000	0
3.00	0.0000	0
3.10	0.0100	436
3.20	0.0200	871
3.30	0.0300	1307
3.40	0.0400	1742
3.50	0.0400	1742
3.60	0.0600	2614
3.70	0.0700	3049
3.80	0.0900	3920
3.90	0.1000	4356
4.00	0.1100	4792
4.10	0.1300	5663
4.20	0.1400	6098
4.30	0.1600	6970
4.40	0.1700	7405
4.50	0.1800	7841
4.60	0.2000	8712
4.70	0.2100	9148
4.80	0.2300	10019
4.90	0.2400	10454
5.00	0.2500	10890
5.10	0.2700	11761
5.20	0.2800	12197
5.30	0.3000	13068
5.40	0.3100	13504
5.50	0.3300	14375
5.60	0.3400	14810

Stage [ft]	Area [ac]	Area [ft2]
5.70	0.3500	15246
5.80	0.3700	16117
5.90	0.3800	16553
6.00	0.5400	23522
6.10	0.5500	23958
6.20	0.5700	24829
6.30	0.5800	25265
6.40	0.5900	25700
6.50	0.6100	26572
6.60	0.6200	27007
6.70	0.6400	27878
6.80	0.6500	28314
6.90	0.6600	28750
7.00	0.6800	29621
7.10	0.6900	30056
7.20	0.7100	30928
7.30	0.7200	31363
7.40	0.7300	31799
7.50	0.7500	32670
7.60	0.7600	33106
7.70	0.7800	33977
7.80	0.7900	34412
7.90	0.8000	34848
8.00	0.8200	35719
8.10	0.8300	36155
8.20	0.8500	37026
8.30	0.8600	37462
8.40	0.8700	37897
8.50	0.8900	38768
8.60	0.9000	39204
8.70	0.9200	40075
8.80	0.9300	40511
8.90	0.9400	40946
9.00	0.9600	41818

Comment:

Node: Node-B-3B

Scenario: Exist. 25Y-3D
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
0.10	0.0000	0
0.20	0.0000	0
0.30	0.0000	0
0.40	0.0000	0
0.50	0.0000	0
0.60	0.0200	871
0.70	0.0300	1307

Stage [ft]	Area [ac]	Area [ft2]
0.80	0.0500	2178
0.90	0.0700	3049
1.00	0.0800	3485
1.10	0.1000	4356
1.20	0.1100	4792
1.30	0.1300	5663
1.40	0.1500	6534
1.50	0.1600	6970
1.60	0.1800	7841
1.70	0.2000	8712
1.80	0.2100	9148
1.90	0.2300	10019
2.00	0.2500	10890
2.10	0.3100	13504
2.20	0.3800	16553
2.30	0.4500	19602
2.40	0.5200	22651
2.50	0.5900	25700
2.60	0.6500	28314
2.70	0.7100	30928
2.80	0.7700	33541
2.90	0.8300	36155
3.00	0.8900	38768
3.10	0.9500	41382
3.20	1.0100	43996
3.30	1.0800	47045
3.40	1.1400	49658
3.50	1.2000	52272
3.60	1.2600	54886
3.70	1.3200	57499
3.80	1.3800	60113
3.90	1.4400	62726
4.00	1.5000	65340
4.10	1.5600	67954
4.20	1.6200	70567
4.30	1.6900	73616
4.40	1.7500	76230
4.50	1.8100	78844
4.60	1.8700	81457
4.70	1.9300	84071
4.80	1.9900	86684
4.90	2.0500	89298
5.00	2.1100	91912
5.10	2.1700	94525
5.20	2.2300	97139
5.30	2.2900	99752
5.40	2.3600	102802
5.50	2.4200	105415
5.60	2.4800	108029
5.70	2.5400	110642
5.80	2.6000	113256
5.90	2.6600	115870
6.00	3.5700	155509
6.10	3.6300	158123
6.20	3.6900	160736

Stage [ft]	Area [ac]	Area [ft2]
6.30	3.7500	163350
6.40	3.8100	165964
6.50	3.8700	168577
6.60	3.9300	171191
6.70	3.9900	173804
6.80	4.0500	176418
6.90	4.1200	179467
7.00	4.1800	182081
7.10	4.2400	184694
7.20	4.3000	187308
7.30	4.3600	189922
7.40	4.4200	192535
7.50	4.4800	195149
7.60	4.5400	197762
7.70	4.6000	200376
7.80	4.6600	202990
7.90	4.7300	206039
8.00	4.7900	208652

Comment:

Node: Node-B-4

Scenario: Exist. 25Y-3D

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 0.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
1.10	0.0300	1307
1.20	0.0700	3049
1.30	0.1000	4356
1.40	0.1400	6098
1.50	0.1700	7405
1.60	0.2200	9583
1.70	0.2700	11761
1.80	0.3200	13939
1.90	0.3700	16117
2.00	0.4200	18295
2.10	0.4700	20473
2.20	0.5200	22651
2.30	0.5700	24829
2.40	0.6200	27007
2.50	0.6700	29185
2.60	0.7300	31799
2.70	0.7800	33977
2.80	0.8300	36155
2.90	0.8800	38333
3.00	0.9300	40511
3.10	0.9800	42689
3.20	1.0300	44867
3.30	1.0800	47045

Stage [ft]	Area [ac]	Area [ft2]
3.40	1.1300	49223
3.50	1.1800	51401
3.60	1.2300	53579
3.70	1.2800	55757
3.80	1.3300	57935
3.90	1.3800	60113
4.00	1.4300	62291
4.10	1.4800	64469
4.20	1.5300	66647
4.30	1.5800	68825
4.40	1.6400	71438
4.50	1.6900	73616
4.60	1.7400	75794
4.70	1.7900	77972
4.80	1.8400	80150
4.90	1.8900	82328
5.00	1.9400	84506
5.10	1.9900	86684
5.20	2.0400	88862
5.30	2.0900	91040
5.40	2.1400	93218
5.50	2.1900	95396
5.60	2.2400	97574
5.70	2.2900	99752
5.80	2.3400	101930
5.90	2.3900	104108
6.00	2.9500	128502
6.10	3.0000	130680
6.20	3.0500	132858
6.30	3.1000	135036
6.40	3.1500	137214
6.50	3.2000	139392
6.60	3.2500	141570
6.70	3.3000	143748
6.80	3.3500	145926
6.90	3.4000	148104
7.00	3.4600	150718
7.10	3.4600	150718
7.20	3.4600	150718
7.30	3.4600	150718
7.40	3.4600	150718
7.50	3.4600	150718
7.60	3.4600	150718
7.70	3.4600	150718
7.80	3.4600	150718
7.90	3.4600	150718
8.00	3.4600	150718

Comment:

Node: South Offsite

Scenario: Exist. 25Y-3D

Type: Time/Stage

Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Portion of flow that leaks to the south. Stage assumed same as the main tailwater.

Node: TW_25YR

Scenario: Exist. 25Y-3D
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Stage information taken from CAPTEC analysis for All American Ditch Stormwater Quality Retrofit, dated August 2015. Stage determined to be conservative, but not so high as to not be able to truly analyze the stormwater system.

Node: NE Offsite

Scenario: Exist. 3Y-1D
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	12.0000	0.50
0	0	0	72.0000	0.50

Comment: Portion of flow that leaks to the NE from Basin B-4. Stage assumed same as the main tailwater.

Node: Node-B-1

Scenario: Exist. 3Y-1D
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0200	871
2.90	0.0500	2178
3.00	0.0900	3920
3.10	0.1200	5227
3.20	0.1500	6534
3.30	0.1900	8276
3.40	0.2200	9583
3.50	0.2600	11326
3.60	0.2900	12632
3.70	0.3200	13939
3.80	0.3600	15682
3.90	0.3900	16988
4.00	0.4300	18731
4.10	0.4600	20038
4.20	0.5000	21780
4.30	0.5300	23087
4.40	0.5600	24394
4.50	0.6000	26136
4.60	0.7000	30492
4.70	0.8100	35284
4.80	0.9200	40075
4.90	1.0200	44431
5.00	1.1300	49223
5.10	1.2300	53579
5.20	1.3300	57935
5.30	1.4200	61855
5.40	1.5200	66211
5.50	1.6200	70567
5.60	1.7200	74923
5.70	1.8200	79279
5.80	1.9200	83635
5.90	2.0100	87556
6.00	2.6700	116305
6.10	2.7700	120661
6.20	2.8600	124582
6.30	2.9600	128938
6.40	3.0600	133294
6.50	3.1600	137650
6.60	3.2600	142006
6.70	3.3600	146362
6.80	3.4500	150282
6.90	3.5500	154638
7.00	3.6500	158994
7.10	3.7500	163350
7.20	3.8500	167706
7.30	3.9500	172062
7.40	4.0400	175982
7.50	4.1400	180338
7.60	4.2100	183388

Stage [ft]	Area [ac]	Area [ft2]
7.70	4.2900	186872
7.80	4.3600	189922
7.90	4.4300	192971
8.00	4.5000	196020

Comment:

Node: Node-B-2A

Scenario: Exist. 3Y-1D

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0000	0
2.60	0.0100	436
2.70	0.0200	871
2.80	0.0400	1742
2.90	0.0500	2178
3.00	0.0600	2614
3.10	0.0700	3049
3.20	0.0800	3485
3.30	0.0900	3920
3.40	0.1100	4792
3.50	0.1200	5227
3.60	0.1300	5663
3.70	0.1400	6098
3.80	0.1500	6534
3.90	0.1600	6970
4.00	0.1800	7841
4.10	0.1900	8276
4.20	0.2000	8712
4.30	0.2100	9148
4.40	0.2200	9583
4.50	0.2300	10019
4.60	0.2600	11326
4.70	0.2800	12197
4.80	0.3000	13068
4.90	0.3200	13939
5.00	0.3400	14810
5.10	0.3600	15682
5.20	0.3900	16988
5.30	0.4100	17860
5.40	0.4300	18731
5.50	0.4500	19602
5.60	0.4700	20473
5.70	0.5000	21780
5.80	0.5200	22651
5.90	0.5400	23522
6.00	1.0300	44867
6.10	1.0600	46174

Stage [ft]	Area [ac]	Area [ft2]
6.20	1.0800	47045
6.30	1.1000	47916
6.40	1.1200	48787
6.50	1.1400	49658
6.60	1.1700	50965
6.70	1.1900	51836
6.80	1.2100	52708
6.90	1.2300	53579
7.00	1.2500	54450
7.10	1.2700	55321
7.20	1.3000	56628
7.30	1.3200	57499
7.40	1.3400	58370
7.50	1.3600	59242
7.60	1.3800	60113
7.70	1.4000	60984
7.80	1.4300	62291
7.90	1.4500	63162
8.00	1.4700	64033

Comment:

Node: Node-B-2B

Scenario: Exist. 3Y-1D
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.00 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0000	0
2.90	0.0000	0
3.00	0.0000	0
3.10	0.0700	3049
3.20	0.1500	6534
3.30	0.2200	9583
3.40	0.3000	13068
3.50	0.3700	16117
3.60	0.4600	20038
3.70	0.5500	23958
3.80	0.6300	27443
3.90	0.7200	31363
4.00	0.8000	34848
4.10	0.8900	38768
4.20	0.9700	42253
4.30	1.0600	46174
4.40	1.1500	50094
4.50	1.2300	53579
4.60	1.3200	57499
4.70	1.4000	60984

Stage [ft]	Area [ac]	Area [ft2]
4.80	1.4900	64904
4.90	1.5800	68825
5.00	1.6600	72310
5.10	1.7500	76230
5.20	1.8300	79715
5.30	1.9200	83635
5.40	2.0100	87556
5.50	2.0900	91040
5.60	2.1800	94961
5.70	2.2600	98446
5.80	2.3500	102366
5.90	2.4400	106286
6.00	2.9400	128066
6.10	3.0200	131551
6.20	3.1100	135472
6.30	3.2000	139392
6.40	3.2800	142877
6.50	3.3700	146797
6.60	3.4500	150282
6.70	3.5400	154202
6.80	3.6300	158123
6.90	3.7100	161608
7.00	3.8000	165528
7.10	3.8000	165528
7.20	3.8000	165528

Comment:

Node: Node-B-3A

Scenario: Exist. 3Y-1D
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.60	0.0000	0
2.70	0.0000	0
2.80	0.0000	0
2.90	0.0000	0
3.00	0.0000	0
3.10	0.0100	436
3.20	0.0200	871
3.30	0.0300	1307
3.40	0.0400	1742
3.50	0.0400	1742
3.60	0.0600	2614
3.70	0.0700	3049
3.80	0.0900	3920
3.90	0.1000	4356
4.00	0.1100	4792
4.10	0.1300	5663

Stage [ft]	Area [ac]	Area [ft2]
4.20	0.1400	6098
4.30	0.1600	6970
4.40	0.1700	7405
4.50	0.1800	7841
4.60	0.2000	8712
4.70	0.2100	9148
4.80	0.2300	10019
4.90	0.2400	10454
5.00	0.2500	10890
5.10	0.2700	11761
5.20	0.2800	12197
5.30	0.3000	13068
5.40	0.3100	13504
5.50	0.3300	14375
5.60	0.3400	14810
5.70	0.3500	15246
5.80	0.3700	16117
5.90	0.3800	16553
6.00	0.5400	23522
6.10	0.5500	23958
6.20	0.5700	24829
6.30	0.5800	25265
6.40	0.5900	25700
6.50	0.6100	26572
6.60	0.6200	27007
6.70	0.6400	27878
6.80	0.6500	28314
6.90	0.6600	28750
7.00	0.6800	29621
7.10	0.6900	30056
7.20	0.7100	30928
7.30	0.7200	31363
7.40	0.7300	31799
7.50	0.7500	32670
7.60	0.7600	33106
7.70	0.7800	33977
7.80	0.7900	34412
7.90	0.8000	34848
8.00	0.8200	35719
8.10	0.8300	36155
8.20	0.8500	37026
8.30	0.8600	37462
8.40	0.8700	37897
8.50	0.8900	38768
8.60	0.9000	39204
8.70	0.9200	40075
8.80	0.9300	40511
8.90	0.9400	40946
9.00	0.9600	41818

Comment:

Node: Node-B-3B

Scenario: Exist. 3Y-1D
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.00 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
0.10	0.0000	0
0.20	0.0000	0
0.30	0.0000	0
0.40	0.0000	0
0.50	0.0000	0
0.60	0.0200	871
0.70	0.0300	1307
0.80	0.0500	2178
0.90	0.0700	3049
1.00	0.0800	3485
1.10	0.1000	4356
1.20	0.1100	4792
1.30	0.1300	5663
1.40	0.1500	6534
1.50	0.1600	6970
1.60	0.1800	7841
1.70	0.2000	8712
1.80	0.2100	9148
1.90	0.2300	10019
2.00	0.2500	10890
2.10	0.3100	13504
2.20	0.3800	16553
2.30	0.4500	19602
2.40	0.5200	22651
2.50	0.5900	25700
2.60	0.6500	28314
2.70	0.7100	30928
2.80	0.7700	33541
2.90	0.8300	36155
3.00	0.8900	38768
3.10	0.9500	41382
3.20	1.0100	43996
3.30	1.0800	47045
3.40	1.1400	49658
3.50	1.2000	52272
3.60	1.2600	54886
3.70	1.3200	57499
3.80	1.3800	60113
3.90	1.4400	62726
4.00	1.5000	65340
4.10	1.5600	67954
4.20	1.6200	70567
4.30	1.6900	73616
4.40	1.7500	76230
4.50	1.8100	78844
4.60	1.8700	81457
4.70	1.9300	84071
4.80	1.9900	86684

Stage [ft]	Area [ac]	Area [ft2]
4.90	2.0500	89298
5.00	2.1100	91912
5.10	2.1700	94525
5.20	2.2300	97139
5.30	2.2900	99752
5.40	2.3600	102802
5.50	2.4200	105415
5.60	2.4800	108029
5.70	2.5400	110642
5.80	2.6000	113256
5.90	2.6600	115870
6.00	3.5700	155509
6.10	3.6300	158123
6.20	3.6900	160736
6.30	3.7500	163350
6.40	3.8100	165964
6.50	3.8700	168577
6.60	3.9300	171191
6.70	3.9900	173804
6.80	4.0500	176418
6.90	4.1200	179467
7.00	4.1800	182081
7.10	4.2400	184694
7.20	4.3000	187308
7.30	4.3600	189922
7.40	4.4200	192535
7.50	4.4800	195149
7.60	4.5400	197762
7.70	4.6000	200376
7.80	4.6600	202990
7.90	4.7300	206039
8.00	4.7900	208652

Comment:

Node: Node-B-4

Scenario: Exist. 3Y-1D
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
1.10	0.0300	1307
1.20	0.0700	3049
1.30	0.1000	4356
1.40	0.1400	6098
1.50	0.1700	7405
1.60	0.2200	9583
1.70	0.2700	11761
1.80	0.3200	13939
1.90	0.3700	16117

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.4200	18295
2.10	0.4700	20473
2.20	0.5200	22651
2.30	0.5700	24829
2.40	0.6200	27007
2.50	0.6700	29185
2.60	0.7300	31799
2.70	0.7800	33977
2.80	0.8300	36155
2.90	0.8800	38333
3.00	0.9300	40511
3.10	0.9800	42689
3.20	1.0300	44867
3.30	1.0800	47045
3.40	1.1300	49223
3.50	1.1800	51401
3.60	1.2300	53579
3.70	1.2800	55757
3.80	1.3300	57935
3.90	1.3800	60113
4.00	1.4300	62291
4.10	1.4800	64469
4.20	1.5300	66647
4.30	1.5800	68825
4.40	1.6400	71438
4.50	1.6900	73616
4.60	1.7400	75794
4.70	1.7900	77972
4.80	1.8400	80150
4.90	1.8900	82328
5.00	1.9400	84506
5.10	1.9900	86684
5.20	2.0400	88862
5.30	2.0900	91040
5.40	2.1400	93218
5.50	2.1900	95396
5.60	2.2400	97574
5.70	2.2900	99752
5.80	2.3400	101930
5.90	2.3900	104108
6.00	2.9500	128502
6.10	3.0000	130680
6.20	3.0500	132858
6.30	3.1000	135036
6.40	3.1500	137214
6.50	3.2000	139392
6.60	3.2500	141570
6.70	3.3000	143748
6.80	3.3500	145926
6.90	3.4000	148104
7.00	3.4600	150718
7.10	3.4600	150718
7.20	3.4600	150718
7.30	3.4600	150718
7.40	3.4600	150718

Stage [ft]	Area [ac]	Area [ft2]
7.50	3.4600	150718
7.60	3.4600	150718
7.70	3.4600	150718
7.80	3.4600	150718
7.90	3.4600	150718
8.00	3.4600	150718

Comment:

Node: South Offsite

Scenario: Exist. 3Y-1D
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	12.0000	0.50
0	0	0	72.0000	0.50

Comment: Portion of flow that leaks to the south. Stage assumed same as the main tailwater.

Node: TW_10YR

Scenario: Exist. 3Y-1D
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	12.0000	0.50
0	0	0	72.0000	0.50

Comment: Stage information taken from CAPTEC analysis for All American Ditch Stormwater Quality Retrofit, dated August 2015. Stage determined to be conservative, but not so high as to not be able to truly analyze the stormwater system.

Channel Link: CH B-2A to B-2B

Scenario:	Exist. 100Y-3D	Upstream	Invert: 2.60 ft	Downstream	Invert: 1.53 ft
From Node:	Node-B-2A	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Node-B-2B	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS B-2A to B-2B US	Cross Section:	XS B-2A to B-2B DS
Flow Direction:	Both				
Damping:	0.0100 ft				

Length: 325.00 ft
 Contraction Coef: 0.10
 Expansion Coef: 0.30
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Comment:

Pipe Link: Main Outfall Pipes		Upstream	Downstream
Scenario:	Exist. 100Y-3D	Invert: -1.00 ft	Invert: -1.00 ft
From Node:	Node-B-4	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	TW_100YR	Geometry: Circular	Geometry: Circular
Link Count:	2	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0100 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	350.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: Pipe B-1 to B-2A		Upstream	Downstream
Scenario:	Exist. 100Y-3D	Invert: 2.13 ft	Invert: 1.83 ft
From Node:	Node-B-1	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	Node-B-2A	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	70.00 ft	Op Table:	Op Table:
FHWA Code:	4	Ref Node:	Ref Node:
Entr Loss Coef:	0.70	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.75	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: Pipe B-2A Out		Upstream	Downstream
Scenario:	Exist. 100Y-3D	Invert: 1.53 ft	Invert: 0.36 ft
From Node:	Node-B-2B	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	Node-B-3A	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	56.00 ft	Op Table:		Op Table:	
FHWA Code:	5	Ref Node:		Ref Node:	
Entr Loss Coef:	0.70	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.75	Top Clip			
Bend Loss Coef:	0.12	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	29.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: Pipe B-3A to B-3B		Upstream		Downstream	
Scenario:	Exist. 100Y-3D	Invert:	0.91 ft	Invert:	1.09 ft
From Node:	Node-B-3A	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Node-B-3B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	177.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: Pipe B-3B to B-4		Upstream		Downstream	
Scenario:	Exist. 100Y-3D	Invert:	-0.87 ft	Invert:	-0.90 ft
From Node:	Node-B-3B	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Node-B-4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	5	Ref Node:		Ref Node:	
Entr Loss Coef:	0.70	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.75	Top Clip			
Bend Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	16.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: Weir B-1 to B-2A

Scenario: Exist. 100Y-3D
 From Node: Node-B-1
 To Node: Node-B-2A
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Paved Road Vertical
 Geometry Type: Irregular
 Invert: 5.01 ft
 Control Elevation: 0.00 ft
 Cross Section: Weir B-1 to B-2A (SW 28th St)

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: Weir B-2B to B-3A (SW 29th St)

Scenario: Exist. 100Y-3D
 From Node: Node-B-2B
 To Node: Node-B-3A
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Paved Road Vertical
 Geometry Type: Irregular
 Invert: 3.64 ft
 Control Elevation: 0.00 ft
 Cross Section: Weir B-2B to B-3A (SW 29th St)

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: Weir B-2B to B-3B (SW 29th St)

Scenario: Exist. 100Y-3D
 From Node: Node-B-2B
 To Node: Node-B-3B
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Paved Road Vertical
 Geometry Type: Irregular
 Invert: 3.89 ft
 Control Elevation: 0.00 ft
 Cross Section: Weir B-2B to B-3B (SW 29th St)

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: Weir B-3A to B-3B

Scenario:	Exist. 100Y-3D	Bottom Clip
From Node:	Node-B-3A	Default: 0.00 ft
To Node:	Node-B-3B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.89 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	B-3A to B-3B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3B Offsite South

Scenario:	Exist. 100Y-3D	Bottom Clip
From Node:	Node-B-3B	Default: 0.00 ft
To Node:	South Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.73 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	B-3B Offsite South	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3B to B-4 (SW Cornell Ave)

Scenario:	Exist. 100Y-3D	Bottom Clip
From Node:	Node-B-3B	Default: 0.00 ft
To Node:	Node-B-4	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.95 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-3B to B-4 (SW Cornell Ave)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Offsite NE

Scenario:	Exist. 100Y-3D	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	NE Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.06 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-4 Offsite NE	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Offsite South

Scenario:	Exist. 100Y-3D	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	South Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.34 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-4 Offsite South	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Out Overland

Scenario:	Exist. 100Y-3D	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	TW_100YR	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.30 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.600
Cross Section:	B-4 Out XS	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Channel Link: CH B-2A to B-2B			Upstream	Downstream
Scenario:	Exist. 100Y-3D Zero	Invert:	2.60 ft	Invert: 1.53 ft
Discharge		Manning's N:	0.0300	Manning's N: 0.0300
From Node:	Node-B-2A	Geometry:	Irregular	Geometry: Irregular
To Node:	Node-B-2B	Cross Section:	XS B-2A to B-2B US	Cross Section: XS B-2A to B-2B DS
Link Count:	1			
Flow Direction:	Both			
Damping:	0.0100 ft			
Length:	325.00 ft			
Contraction Coef:	0.10			
Expansion Coef:	0.30			
Entr Loss Coef:	0.00			
Exit Loss Coef:	0.00			
Bend Loss Coef:	0.00			
Bend Location:	0.00 ft			
Energy Switch:	Energy			
Comment:				

Pipe Link: Main Outfall Pipes			Upstream	Downstream
Scenario:	Exist. 100Y-3D Zero	Invert:	-1.00 ft	Invert: -1.00 ft
Discharge		Manning's N:	0.0240	Manning's N: 0.0240
From Node:	Node-B-4	Geometry:	Circular	Geometry: Circular
To Node:	TW_100YR	Max Depth:	1.50 ft	Max Depth: 1.50 ft
Link Count:	2	Bottom Clip		
Flow Direction:	None	Default:	0.00 ft	Default: 0.00 ft
Damping:	0.0100 ft	Op Table:		Op Table:
Length:	350.00 ft	Ref Node:		Ref Node:
FHWA Code:	0	Manning's N:	0.0000	Manning's N: 0.0000
Entr Loss Coef:	0.50	Top Clip		
Exit Loss Coef:	1.00	Default:	0.00 ft	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:
Bend Location:	0.00 ft	Ref Node:		Ref Node:
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N: 0.0000
Comment:				

Pipe Link: Pipe B-1 to B-2A			Upstream	Downstream
Scenario:	Exist. 100Y-3D Zero	Invert:	2.13 ft	Invert: 1.83 ft
Discharge		Manning's N:	0.0240	Manning's N: 0.0240
From Node:	Node-B-1	Geometry:	Circular	Geometry: Circular
To Node:	Node-B-2A	Max Depth:	1.50 ft	Max Depth: 1.50 ft
Link Count:	1	Bottom Clip		
Flow Direction:	Both	Default:	0.00 ft	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:
Length:	70.00 ft	Ref Node:		Ref Node:
FHWA Code:	4	Manning's N:	0.0000	Manning's N: 0.0000
Entr Loss Coef:	0.70	Top Clip		
Exit Loss Coef:	0.75	Default:	0.00 ft	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:
Bend Location:	0.00 ft	Ref Node:		Ref Node:
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N: 0.0000
Comment:				

Pipe Link: Pipe B-2A Out			Upstream	Downstream
Scenario:	Exist. 100Y-3D Zero	Invert:	1.53 ft	Invert: 0.36 ft
Discharge		Manning's N:	0.0240	Manning's N: 0.0240
From Node:	Node-B-2B	Geometry:	Circular	Geometry: Circular
To Node:	Node-B-3A	Max Depth:	1.50 ft	Max Depth: 1.50 ft
Link Count:	1	Bottom Clip		
Flow Direction:	Both	Default:	0.00 ft	Default: 0.00 ft
Damping:	0.0100 ft	Op Table:		Op Table:
Length:	56.00 ft	Ref Node:		Ref Node:
FHWA Code:	5	Manning's N:	0.0000	Manning's N: 0.0000
Entr Loss Coef:	0.70	Top Clip		
Exit Loss Coef:	0.75	Default:	0.00 ft	Default: 0.00 ft
Bend Loss Coef:	0.12	Op Table:		Op Table:
Bend Location:	29.00 ft	Ref Node:		Ref Node:
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N: 0.0000
Comment:				

Pipe Link: Pipe B-3A to B-3B			Upstream	Downstream
Scenario:	Exist. 100Y-3D Zero	Invert:	0.91 ft	Invert: 1.09 ft
Discharge		Manning's N:	0.0240	Manning's N: 0.0240
From Node:	Node-B-3A	Geometry:	Circular	Geometry: Circular
To Node:	Node-B-3B	Max Depth:	1.50 ft	Max Depth: 1.50 ft
Link Count:	1	Bottom Clip		
Flow Direction:	Both	Default:	0.00 ft	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:
Length:	177.00 ft	Ref Node:		Ref Node:
FHWA Code:	0	Manning's N:	0.0000	Manning's N: 0.0000
Entr Loss Coef:	0.50	Top Clip		
Exit Loss Coef:	1.00	Default:	0.00 ft	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:
Bend Location:	0.00 ft	Ref Node:		Ref Node:
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N: 0.0000
Comment:				

Pipe Link: Pipe B-3B to B-4			Upstream	Downstream
Scenario:	Exist. 100Y-3D Zero	Invert:	-0.87 ft	Invert: -0.90 ft
Discharge		Manning's N:	0.0240	Manning's N: 0.0240
From Node:	Node-B-3B	Geometry:	Circular	Geometry: Circular
To Node:	Node-B-4	Max Depth:	2.00 ft	Max Depth: 2.00 ft
Link Count:	1	Bottom Clip		
Flow Direction:	Both	Default:	0.00 ft	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:
Length:	60.00 ft	Ref Node:		Ref Node:
FHWA Code:	5	Manning's N:	0.0000	Manning's N: 0.0000
Entr Loss Coef:	0.70	Top Clip		
Exit Loss Coef:	0.75	Default:	0.00 ft	Default: 0.00 ft
Bend Loss Coef:	0.50	Op Table:		Op Table:
Bend Location:	16.00 ft	Ref Node:		Ref Node:
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N: 0.0000
Comment:				

Weir Link: Weir B-1 to B-2A

Scenario:	Exist. 100Y-3D Zero Discharge	Bottom Clip
From Node:	Node-B-1	Default: 0.00 ft
To Node:	Node-B-2A	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.01 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-1 to B-2A (SW 28th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-2B to B-3A (SW 29th St)

Scenario:	Exist. 100Y-3D Zero Discharge	Bottom Clip
From Node:	Node-B-2B	Default: 0.00 ft
To Node:	Node-B-3A	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.64 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-2B to B-3A (SW 29th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-2B to B-3B (SW 29th St)

Scenario:	Exist. 100Y-3D Zero Discharge	Bottom Clip
From Node:	Node-B-2B	Default: 0.00 ft
To Node:	Node-B-3B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.89 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-2B to B-3B (SW 29th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3A to B-3B

Scenario:	Exist. 100Y-3D Zero Discharge	Bottom Clip
From Node:	Node-B-3A	Default: 0.00 ft
To Node:	Node-B-3B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.89 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	B-3A to B-3B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3B Offsite South

Scenario:	Exist. 100Y-3D Zero Discharge	Bottom Clip
From Node:	Node-B-3B	Default: 0.00 ft
To Node:	South Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	None	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.73 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	B-3B Offsite South	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3B to B-4 (SW Cornell Ave)

Scenario:	Exist. 100Y-3D Zero Discharge	Bottom Clip
From Node:	Node-B-3B	Default: 0.00 ft
To Node:	Node-B-4	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.95 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-3B to B-4 (SW Cornell Ave)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Offsite NE

Scenario:	Exist. 100Y-3D Zero Discharge	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	NE Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	None	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.06 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-4 Offsite NE	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Offsite South

Scenario:	Exist. 100Y-3D Zero Discharge	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	South Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	None	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.34 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-4 Offsite South	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Out Overland

Scenario:	Exist. 100Y-3D Zero Discharge	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	TW_100YR	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	None	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.30 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.600
Cross Section:	B-4 Out XS	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Channel Link: CH B-2A to B-2B		Upstream	Downstream
Scenario:	Exist. 10Y-1D	Invert: 2.60 ft	Invert: 1.53 ft
From Node:	Node-B-2A	Manning's N: 0.0300	Manning's N: 0.0300
To Node:	Node-B-2B	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: XS B-2A to B-2B US	Cross Section: XS B-2A to B-2B DS
Flow Direction:	Both		
Damping:	0.0100 ft		
Length:	325.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		
Comment:			

Pipe Link: Main Outfall Pipes		Upstream	Downstream
Scenario:	Exist. 10Y-1D	Invert: -1.00 ft	Invert: -1.00 ft
From Node:	Node-B-4	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	TW_10YR	Geometry: Circular	Geometry: Circular
Link Count:	2	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0100 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	350.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: Pipe B-1 to B-2A		Upstream	Downstream
Scenario:	Exist. 10Y-1D	Invert: 2.13 ft	Invert: 1.83 ft
From Node:	Node-B-1	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	Node-B-2A	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	70.00 ft	Op Table:	Op Table:
FHWA Code:	4	Ref Node:	Ref Node:
Entr Loss Coef:	0.70	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.75	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: Pipe B-2A Out			Upstream	Downstream
Scenario:	Exist. 10Y-1D	Invert:	1.53 ft	Invert: 0.36 ft
From Node:	Node-B-2B	Manning's N:	0.0240	Manning's N: 0.0240
To Node:	Node-B-3A	Geometry:	Circular	Geometry: Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip		
Damping:	0.0100 ft	Default:	0.00 ft	Default: 0.00 ft
Length:	56.00 ft	Op Table:		Op Table:
FHWA Code:	5	Ref Node:		Ref Node:
Entr Loss Coef:	0.70	Manning's N:	0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.75	Top Clip		
Bend Loss Coef:	0.12	Default:	0.00 ft	Default: 0.00 ft
Bend Location:	29.00 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000
Comment:				

Pipe Link: Pipe B-3A to B-3B			Upstream	Downstream
Scenario:	Exist. 10Y-1D	Invert:	0.91 ft	Invert: 1.09 ft
From Node:	Node-B-3A	Manning's N:	0.0240	Manning's N: 0.0240
To Node:	Node-B-3B	Geometry:	Circular	Geometry: Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default: 0.00 ft
Length:	177.00 ft	Op Table:		Op Table:
FHWA Code:	0	Ref Node:		Ref Node:
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000
Comment:				

Pipe Link: Pipe B-3B to B-4			Upstream	Downstream
Scenario:	Exist. 10Y-1D	Invert:	-0.87 ft	Invert: -0.90 ft
From Node:	Node-B-3B	Manning's N:	0.0240	Manning's N: 0.0240
To Node:	Node-B-4	Geometry:	Circular	Geometry: Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default: 0.00 ft
Length:	60.00 ft	Op Table:		Op Table:
FHWA Code:	5	Ref Node:		Ref Node:
Entr Loss Coef:	0.70	Manning's N:	0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.75	Top Clip		
Bend Loss Coef:	0.50	Default:	0.00 ft	Default: 0.00 ft
Bend Location:	16.00 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000
Comment:				

Weir Link: Weir B-1 to B-2A

Scenario:	Exist. 10Y-1D	Bottom Clip
From Node:	Node-B-1	Default: 0.00 ft
To Node:	Node-B-2A	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.01 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-1 to B-2A (SW 28th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-2B to B-3A (SW 29th St)

Scenario:	Exist. 10Y-1D	Bottom Clip
From Node:	Node-B-2B	Default: 0.00 ft
To Node:	Node-B-3A	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.64 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-2B to B-3A (SW 29th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-2B to B-3B (SW 29th St)

Scenario:	Exist. 10Y-1D	Bottom Clip
From Node:	Node-B-2B	Default: 0.00 ft
To Node:	Node-B-3B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.89 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-2B to B-3B (SW 29th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3A to B-3B

Scenario:	Exist. 10Y-1D	Bottom Clip
From Node:	Node-B-3A	Default: 0.00 ft
To Node:	Node-B-3B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.89 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	B-3A to B-3B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3B Offsite South

Scenario:	Exist. 10Y-1D	Bottom Clip
From Node:	Node-B-3B	Default: 0.00 ft
To Node:	South Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.73 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	B-3B Offsite South	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3B to B-4 (SW Cornell Ave)

Scenario:	Exist. 10Y-1D	Bottom Clip
From Node:	Node-B-3B	Default: 0.00 ft
To Node:	Node-B-4	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.95 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-3B to B-4 (SW Cornell Ave)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Offsite NE

Scenario:	Exist. 10Y-1D	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	NE Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.06 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-4 Offsite NE	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Offsite South

Scenario:	Exist. 10Y-1D	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	South Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.34 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-4 Offsite South	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Out Overland

Scenario:	Exist. 10Y-1D	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	TW_10YR	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.30 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.600
Cross Section:	B-4 Out XS	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Channel Link: CH B-2A to B-2B		Upstream	Downstream
Scenario:	Exist. 25Y-3D	Invert: 2.60 ft	Invert: 1.53 ft
From Node:	Node-B-2A	Manning's N: 0.0300	Manning's N: 0.0300
To Node:	Node-B-2B	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: XS B-2A to B-2B US	Cross Section: XS B-2A to B-2B DS
Flow Direction:	Both		
Damping:	0.0100 ft		
Length:	325.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		
Comment:			

Pipe Link: Main Outfall Pipes		Upstream	Downstream
Scenario:	Exist. 25Y-3D	Invert: -1.00 ft	Invert: -1.00 ft
From Node:	Node-B-4	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	TW_25YR	Geometry: Circular	Geometry: Circular
Link Count:	2	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0100 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	350.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: Pipe B-1 to B-2A		Upstream	Downstream
Scenario:	Exist. 25Y-3D	Invert: 2.13 ft	Invert: 1.83 ft
From Node:	Node-B-1	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	Node-B-2A	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	70.00 ft	Op Table:	Op Table:
FHWA Code:	4	Ref Node:	Ref Node:
Entr Loss Coef:	0.70	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.75	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: Pipe B-2A Out		Upstream	Downstream
Scenario:	Exist. 25Y-3D	Invert: 1.53 ft	Invert: 0.36 ft
From Node:	Node-B-2B	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	Node-B-3A	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0100 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	56.00 ft	Op Table:	Op Table:
FHWA Code:	5	Ref Node:	Ref Node:
Entr Loss Coef:	0.70	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.75	Top Clip	
Bend Loss Coef:	0.12	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	29.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: Pipe B-3A to B-3B		Upstream	Downstream
Scenario:	Exist. 25Y-3D	Invert: 0.91 ft	Invert: 1.09 ft
From Node:	Node-B-3A	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	Node-B-3B	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	177.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: Pipe B-3B to B-4		Upstream	Downstream
Scenario:	Exist. 25Y-3D	Invert: -0.87 ft	Invert: -0.90 ft
From Node:	Node-B-3B	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	Node-B-4	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	60.00 ft	Op Table:	Op Table:
FHWA Code:	5	Ref Node:	Ref Node:
Entr Loss Coef:	0.70	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.75	Top Clip	
Bend Loss Coef:	0.50	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	16.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: Weir B-1 to B-2A

Scenario:	Exist. 25Y-3D	Bottom Clip
From Node:	Node-B-1	Default: 0.00 ft
To Node:	Node-B-2A	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.01 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-1 to B-2A (SW 28th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-2B to B-3A (SW 29th St)

Scenario:	Exist. 25Y-3D	Bottom Clip
From Node:	Node-B-2B	Default: 0.00 ft
To Node:	Node-B-3A	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.64 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-2B to B-3A (SW 29th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-2B to B-3B (SW 29th St)

Scenario:	Exist. 25Y-3D	Bottom Clip
From Node:	Node-B-2B	Default: 0.00 ft
To Node:	Node-B-3B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.89 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-2B to B-3B (SW 29th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3A to B-3B

Scenario:	Exist. 25Y-3D	Bottom Clip
From Node:	Node-B-3A	Default: 0.00 ft
To Node:	Node-B-3B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.89 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	B-3A to B-3B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3B Offsite South

Scenario:	Exist. 25Y-3D	Bottom Clip
From Node:	Node-B-3B	Default: 0.00 ft
To Node:	South Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.73 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	B-3B Offsite South	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3B to B-4 (SW Cornell Ave)

Scenario:	Exist. 25Y-3D	Bottom Clip
From Node:	Node-B-3B	Default: 0.00 ft
To Node:	Node-B-4	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.95 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-3B to B-4 (SW Cornell Ave)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Offsite NE

Scenario:	Exist. 25Y-3D	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	NE Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.06 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-4 Offsite NE	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Offsite South

Scenario:	Exist. 25Y-3D	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	South Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.34 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-4 Offsite South	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Out Overland

Scenario:	Exist. 25Y-3D	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	TW_25YR	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.30 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.600
Cross Section:	B-4 Out XS	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Channel Link: CH B-2A to B-2B		Upstream	Downstream
Scenario:	Exist. 3Y-1D	Invert: 2.60 ft	Invert: 1.53 ft
From Node:	Node-B-2A	Manning's N: 0.0300	Manning's N: 0.0300
To Node:	Node-B-2B	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: XS B-2A to B-2B US	Cross Section: XS B-2A to B-2B DS
Flow Direction:	Both		
Damping:	0.0100 ft		
Length:	325.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		
Comment:			

Pipe Link: Main Outfall Pipes		Upstream	Downstream
Scenario:	Exist. 3Y-1D	Invert: -1.00 ft	Invert: -1.00 ft
From Node:	Node-B-4	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	TW_10YR	Geometry: Circular	Geometry: Circular
Link Count:	2	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0100 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	350.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: Pipe B-1 to B-2A		Upstream	Downstream
Scenario:	Exist. 3Y-1D	Invert: 2.13 ft	Invert: 1.83 ft
From Node:	Node-B-1	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	Node-B-2A	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	70.00 ft	Op Table:	Op Table:
FHWA Code:	4	Ref Node:	Ref Node:
Entr Loss Coef:	0.70	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.75	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: Pipe B-2A Out			Upstream	Downstream
Scenario:	Exist. 3Y-1D	Invert:	1.53 ft	Invert: 0.36 ft
From Node:	Node-B-2B	Manning's N:	0.0240	Manning's N: 0.0240
To Node:	Node-B-3A	Geometry:	Circular	Geometry: Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip		
Damping:	0.0100 ft	Default:	0.00 ft	Default: 0.00 ft
Length:	56.00 ft	Op Table:		Op Table:
FHWA Code:	5	Ref Node:		Ref Node:
Entr Loss Coef:	0.70	Manning's N:	0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.75	Top Clip		
Bend Loss Coef:	0.12	Default:	0.00 ft	Default: 0.00 ft
Bend Location:	29.00 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000
Comment:				

Pipe Link: Pipe B-3A to B-3B			Upstream	Downstream
Scenario:	Exist. 3Y-1D	Invert:	0.91 ft	Invert: 1.09 ft
From Node:	Node-B-3A	Manning's N:	0.0240	Manning's N: 0.0240
To Node:	Node-B-3B	Geometry:	Circular	Geometry: Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default: 0.00 ft
Length:	177.00 ft	Op Table:		Op Table:
FHWA Code:	0	Ref Node:		Ref Node:
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000
Comment:				

Pipe Link: Pipe B-3B to B-4			Upstream	Downstream
Scenario:	Exist. 3Y-1D	Invert:	-0.87 ft	Invert: -0.90 ft
From Node:	Node-B-3B	Manning's N:	0.0240	Manning's N: 0.0240
To Node:	Node-B-4	Geometry:	Circular	Geometry: Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default: 0.00 ft
Length:	60.00 ft	Op Table:		Op Table:
FHWA Code:	5	Ref Node:		Ref Node:
Entr Loss Coef:	0.70	Manning's N:	0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.75	Top Clip		
Bend Loss Coef:	0.50	Default:	0.00 ft	Default: 0.00 ft
Bend Location:	16.00 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000
Comment:				

Weir Link: Weir B-1 to B-2A

Scenario:	Exist. 3Y-1D	Bottom Clip
From Node:	Node-B-1	Default: 0.00 ft
To Node:	Node-B-2A	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.01 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-1 to B-2A (SW 28th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-2B to B-3A (SW 29th St)

Scenario:	Exist. 3Y-1D	Bottom Clip
From Node:	Node-B-2B	Default: 0.00 ft
To Node:	Node-B-3A	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.64 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-2B to B-3A (SW 29th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-2B to B-3B (SW 29th St)

Scenario:	Exist. 3Y-1D	Bottom Clip
From Node:	Node-B-2B	Default: 0.00 ft
To Node:	Node-B-3B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.89 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-2B to B-3B (SW 29th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3A to B-3B

Scenario:	Exist. 3Y-1D	Bottom Clip
From Node:	Node-B-3A	Default: 0.00 ft
To Node:	Node-B-3B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.89 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	B-3A to B-3B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3B Offsite South

Scenario:	Exist. 3Y-1D	Bottom Clip
From Node:	Node-B-3B	Default: 0.00 ft
To Node:	South Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.73 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	B-3B Offsite South	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-3B to B-4 (SW Cornell Ave)

Scenario:	Exist. 3Y-1D	Bottom Clip
From Node:	Node-B-3B	Default: 0.00 ft
To Node:	Node-B-4	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.95 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-3B to B-4 (SW Cornell Ave)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Offsite NE

Scenario:	Exist. 3Y-1D	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	NE Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.06 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-4 Offsite NE	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Offsite South

Scenario:	Exist. 3Y-1D	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	South Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.34 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.800
Cross Section:	Weir B-4 Offsite South	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4 Out Overland

Scenario:	Exist. 3Y-1D	Bottom Clip
From Node:	Node-B-4	Default: 0.00 ft
To Node:	TW_10YR	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.30 ft	Discharge Coefficients
Control Elevation:	0.00 ft	Weir Default: 2.600
Cross Section:	B-4 Out XS	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Simulation: 100Y-3D

Scenario: Exist. 100Y-3D
 Run Date/Time: 9/24/2019 2:29:03 PM
 Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	120.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.5000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set: CN's
 Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight Fact: 0.5 dec	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Opt: Global
Max dZ: 1.0000 ft	
Link Optimizer Tol: 0.0001 ft	Rainfall Name: ~SFWMD-72
	Rainfall Amount: 14.00 in
Edge Length Option: Automatic	Storm Duration: 72.0000 hr
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area (1D): 100 ft2
	Energy Switch (1D): Energy

Comment:

Simulation: 100Y-3D Zero Discharge

Scenario: Exist. 100Y-3D Zero Discharge
 Run Date/Time: 9/24/2019 2:29:10 PM
 Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	120.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.5000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN's

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight Fact: 0.5 dec

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~SFWMD-72

Rainfall Amount: 14.00 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area (1D): 100 ft2
 Energy Switch (1D): Energy

Comment:

Simulation: 10Y-1D

Scenario: Exist. 10Y-1D
 Run Date/Time: 9/24/2019 2:29:18 PM
 Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.5000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set: CN's
 Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight Fact: 0.5 dec	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Opt: Global
Max dZ: 1.0000 ft	

Link Optimizer Tol: 0.0001 ft

Rainfall Name: ~FLMOD

Edge Length Option: Automatic

Rainfall Amount: 6.80 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (1D): 100 ft2

Energy Switch (1D): Energy

Comment:

Simulation: 25Y-3D

Scenario: Exist. 25Y-3D

Run Date/Time: 9/24/2019 2:29:22 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	120.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	1.0000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN's

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR

IA Recovery Time: 24.0000 hr

Max Iterations: 6
 Over-Relax Weight Fact: 0.5 dec
 dZ Tolerance: 0.0010 ft
 Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~SFWMD-72
 Rainfall Amount: 11.00 in
 Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area (1D): 100 ft²
 Energy Switch (1D): Energy

Comment:

Simulation: 3Y-1D

Scenario: Exist. 3Y-1D
 Run Date/Time: 9/24/2019 2:29:28 PM
 Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.5000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set: CN's
 Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set: Land Cover

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec	Smp/Man Basin Rain Opt:	Global
dZ Tolerance:	0.0010 ft		
Max dZ:	1.0000 ft	Rainfall Name:	~FLMOD
Link Optimizer Tol:	0.0001 ft	Rainfall Amount:	5.00 in
		Storm Duration:	24.0000 hr
Edge Length Option:	Automatic		
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Manual Basin Runoff Summary [Exist. 100Y-3D]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B-1	100Y-3D	16.06	60.1833	14.00	10.23	4.5000	72.1	0.00	0.00
B-2A	100Y-3D	7.94	60.0833	14.00	11.21	1.6900	78.8	0.00	0.00
B-2B	100Y-3D	16.30	60.1167	14.00	10.84	3.8000	76.2	0.00	0.00
B-3A	100Y-3D	3.76	60.1333	14.00	10.39	0.9600	73.2	0.00	0.00
B-3B	100Y-3D	15.77	60.3000	14.00	10.35	5.4000	72.9	0.00	0.00
B-4	100Y-3D	10.68	60.3333	14.00	12.80	3.4600	90.4	0.00	0.00

Manual Basin Runoff Summary [Exist. 100Y-3D Zero Discharge]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B-1	100Y-3D Zero Discharge	16.06	60.1833	14.00	10.23	4.5000	72.1	0.00	0.00
B-2A	100Y-3D Zero Discharge	7.94	60.0833	14.00	11.21	1.6900	78.8	0.00	0.00
B-2B	100Y-3D Zero Discharge	16.30	60.1167	14.00	10.84	3.8000	76.2	0.00	0.00
B-3A	100Y-3D Zero Discharge	3.76	60.1333	14.00	10.39	0.9600	73.2	0.00	0.00
B-3B	100Y-3D Zero Discharge	15.77	60.3000	14.00	10.35	5.4000	72.9	0.00	0.00
B-4	100Y-3D Zero Discharge	10.68	60.3333	14.00	12.80	3.4600	90.4	0.00	0.00

Manual Basin Runoff Summary [Exist. 10Y-1D]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B-1	10Y-1D	7.11	12.2833	6.80	3.67	4.5000	72.1	0.00	0.00
B-2A	10Y-1D	4.03	12.1333	6.80	4.38	1.6900	78.8	0.00	0.00
B-2B	10Y-1D	7.84	12.1667	6.80	4.10	3.8000	76.2	0.00	0.00
B-3A	10Y-1D	1.70	12.2333	6.80	3.78	0.9600	73.2	0.00	0.00
B-3B	10Y-1D	7.13	12.4500	6.80	3.75	5.4000	72.9	0.00	0.00
B-4	10Y-1D	6.50	12.4500	6.80	5.67	3.4600	90.4	0.00	0.00

Manual Basin Runoff Summary [Exist. 25Y-3D]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B-1	25Y-3D	11.98	60.1833	11.00	7.42	4.5000	72.1	0.00	0.00
B-2A	25Y-3D	6.05	60.0833	11.00	8.32	1.6900	78.8	0.00	0.00
B-2B	25Y-3D	12.33	60.1167	11.00	7.97	3.8000	76.2	0.00	0.00
B-3A	25Y-3D	2.81	60.1500	11.00	7.57	0.9600	73.2	0.00	0.00
B-3B	25Y-3D	11.78	60.3167	11.00	7.53	5.4000	72.9	0.00	0.00
B-4	25Y-3D	8.33	60.3333	11.00	9.82	3.4600	90.4	0.00	0.00

Manual Basin Runoff Summary [Exist. 3Y-1D]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B-1	3Y-1D	4.17	12.3000	5.00	2.21	4.5000	72.1	0.00	0.00
B-2A	3Y-1D	2.55	12.1333	5.00	2.78	1.6900	78.8	0.00	0.00
B-2B	3Y-1D	4.83	12.1833	5.00	2.55	3.8000	76.2	0.00	0.00
B-3A	3Y-1D	1.01	12.2500	5.00	2.30	0.9600	73.2	0.00	0.00
B-3B	3Y-1D	4.22	12.4833	5.00	2.27	5.4000	72.9	0.00	0.00
B-4	3Y-1D	4.55	12.4500	5.00	3.92	3.4600	90.4	0.00	0.00

Node Max Conditions w/ Times [Exist. 100Y-3D]

Node Name	Sim Name	Warning 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]
NE Offsite	100Y-3D	0.00	1.00	0.0001	0.00	0.00	0	60.0001	1.6958	0.0000	0.0000
Node-B-1	100Y-3D	0.00	5.03	0.0010	16.06	5.70	50578	61.4301	59.9919	60.1833	61.6480
Node-B-2 A	100Y-3D	0.00	4.17	0.0010	11.04	9.44	16652	60.4620	9.9433	60.1168	60.4968
Node-B-2 B	100Y-3D	0.00	4.15	0.0010	22.85	31.43	59786	60.4539	70.3129	60.1669	60.4953
Node-B-3 A	100Y-3D	0.00	4.15	0.0010	24.54	13.50	5891	60.4967	67.1054	60.4953	60.4474
Node-B-3 B	100Y-3D	0.00	3.17	0.0011	38.18	37.05	43251	60.5191	0.0067	60.4068	60.5157
Node-B-4	100Y-3D	0.00	2.57	0.0081	28.63	27.92	30912	60.5762	0.0082	60.4925	60.5762
South Offsite	100Y-3D	0.00	1.00	0.0001	19.91	0.00	0	60.0001	1.6958	60.5355	0.0000
TW_100Y R	100Y-3D	0.00	1.00	0.0001	26.45	3.63	0	60.0001	1.6958	60.5762	0.0001

Node Max Conditions w/ Times [Exist. 100Y-3D Zero Discharge]

Node Name	Sim Name	Warning 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]
NE Offsite	100Y-3D Zero Discharge	0.00	1.00	0.0001	0.00	0.00	0	60.0000	1.6753	0.0000	0.0000
Node-B-1	100Y-3D Zero Discharge	0.00	5.63	0.0010	16.06	9.35	76304	91.5228	59.9172	60.1834	60.7592
Node-B-2 A	100Y-3D Zero Discharge	0.00	5.63	0.0010	12.82	8.72	39805	118.4228	10.0437	60.7108	60.7337
Node-B-2 B	100Y-3D Zero Discharge	0.00	5.63	0.0010	22.95	10.33	128128	113.1894	60.7071	60.1000	59.8380
Node-B-3 A	100Y-3D Zero	0.00	5.63	0.0010	7.35	4.37	14952	113.3394	36.9044	59.8380	59.8387

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	Discharge										
Node-B-3 B	100Y-3D Zero Discharge	0.00	5.63	0.0011	22.81	7.46	108863	75.5894	0.0185	60.1230	0.0065
Node-B-4	100Y-3D Zero Discharge	0.00	5.63	0.0051	15.59	0.62	98271	75.2728	0.0003	60.1668	62.7636
South Offsite	100Y-3D Zero Discharge	0.00	1.00	0.0001	0.00	0.00	0	60.0000	1.6753	0.0000	0.0000
TW_100Y R	100Y-3D Zero Discharge	0.00	1.00	0.0001	0.00	0.00	0	60.0000	1.6753	0.0000	0.0000

Node Max Conditions w/ Times [Exist. 10Y-1D]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
NE Offsite	10Y-1D	0.00	0.50	0.0000	0.00	0.00	0	0.0000	0.0000	0.0000	0.0000
Node-B-1	10Y-1D	0.00	4.19	0.0010	7.11	2.88	21687	13.5213	7.4353	12.2834	12.9397
Node-B-2 A	10Y-1D	0.00	3.97	0.0010	5.77	4.02	14300	13.6789	7.4353	12.2172	12.5951
Node-B-2 B	10Y-1D	0.00	3.97	0.0010	10.74	9.62	50607	13.6653	21.2518	12.2265	13.5815
Node-B-3 A	10Y-1D	0.00	3.97	0.0010	9.49	5.05	4648	13.7094	16.5793	13.5815	13.5957
Node-B-3 B	10Y-1D	0.00	2.80	0.0011	11.59	8.25	33516	14.0350	0.0067	12.5955	14.0778
Node-B-4	10Y-1D	0.00	2.38	0.0081	12.45	10.99	26666	13.6086	0.0082	12.5033	13.6086
South Offsite	10Y-1D	0.00	0.50	0.0000	0.09	0.00	0	0.0000	0.0000	14.0246	0.0000
TW_10YR	10Y-1D	0.00	0.50	0.0000	10.98	3.63	0	0.0000	0.0000	13.6086	0.0001

Node Max Conditions w/ Times [Exist. 25Y-3D]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
NE Offsite	25Y-3D	0.00	1.00	0.0001	0.00	0.00	0	60.0003	1.6368	0.0000	0.0000
Node-B-1	25Y-3D	0.00	4.70	0.0010	11.98	4.67	35383	61.3145	13.6680	60.1831	61.5026
Node-B-2 A	25Y-3D	0.00	4.11	0.0010	8.70	6.87	15977	60.7657	15.7464	60.1168	60.7768
Node-B-2 B	25Y-3D	0.00	4.09	0.0015	17.58	20.72	57006	60.7471	0.0008	60.1067	60.7726
Node-B-3 A	25Y-3D	0.00	4.09	0.0019	17.03	9.21	5598	60.7528	0.0006	60.7726	60.7765

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Node-B-3 B	25Y-3D	0.00	3.09	0.0022	23.85	22.43	41032	60.8724	0.0069	60.6722	60.8727
Node-B-4	25Y-3D	0.00	2.48	0.0159	17.71	17.56	28741	60.8505	0.0083	60.7773	60.8505
South Offsite	25Y-3D	0.00	1.00	0.0001	11.43	0.00	0	60.0003	1.6368	60.8717	0.0000
TW_25YR	25Y-3D	0.00	1.00	0.0001	17.24	3.63	0	60.0003	1.6368	60.8505	0.0003

Node Max Conditions w/ Times [Exist. 3Y-1D]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
NE Offsite	3Y-1D	0.00	0.50	0.0000	0.00	0.00	0	0.0000	0.0000	0.0000	0.0000
Node-B-1	3Y-1D	0.00	3.74	0.0010	4.17	1.98	14668	13.4031	8.4187	12.3002	12.8825
Node-B-2 A	3Y-1D	0.00	3.65	0.0010	3.92	2.57	10604	13.5676	7.8520	12.2731	12.8524
Node-B-2 B	3Y-1D	0.00	3.64	0.0010	6.90	3.63	34488	13.5819	17.9584	12.2613	14.1148
Node-B-3 A	3Y-1D	0.00	3.33	0.0010	3.93	3.93	1433	13.3070	11.1258	13.2871	13.4239
Node-B-3 B	3Y-1D	0.00	2.31	0.0011	7.67	7.57	19904	14.0415	0.0067	12.5834	0.0050
Node-B-4	3Y-1D	0.00	2.11	0.0081	10.97	7.46	20659	14.0415	0.0082	0.0001	14.0165
South Offsite	3Y-1D	0.00	0.50	0.0000	0.00	0.00	0	0.0000	0.0000	0.0000	0.0000
TW_10YR	3Y-1D	0.00	0.50	0.0000	7.46	3.63	0	0.0000	0.0000	14.0165	0.0001

Link Min/Max Conditions with Times [Exist. 100Y-3D]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
CH B-2A to B-2B	100Y-3D	9.44	0.00	-0.33	1.13	0.23	60.4968	0.0000	64.8512	53.3817	52.3732
Main Outfall Pipes	100Y-3D	7.36	-3.63	0.34	2.08	2.08	60.5926	0.0001	0.0103	60.5926	60.5926
Pipe B-1 to B-2A	100Y-3D	5.70	-0.01	-0.12	3.22	3.22	61.6480	11.0841	23.6234	61.6480	61.6480
Pipe B-2A Out	100Y-3D	3.62	0.00	-0.20	2.05	2.05	67.7684	60.9119	64.5301	67.7684	67.7684
Pipe B-3A to B-3B	100Y-3D	4.78	0.00	0.01	2.70	3.89	60.0010	0.0000	64.8543	60.0010	57.7125
Pipe B-3B to B-4	100Y-3D	10.00	-0.06	-0.67	3.18	4.89	60.3980	8.8543	33.5591	60.3980	0.0004
Weir B-1 to B-2A	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Weir B-2B to B-3A (SW 29th St)	100Y-3D	21.71	-0.14	-21.71	0.78	0.78	60.4953	61.2306	60.4967	59.9371	59.9371
Weir B-2B to B-3B (SW 29th St)	100Y-3D	9.56	0.00	-0.03	1.19	1.19	60.4550	0.0000	60.7036	60.4596	60.4596
Weir B-3A to B-3B	100Y-3D	9.52	0.00	0.21	1.19	1.19	60.4632	0.0000	60.4967	60.4968	60.4968
Weir B-3B Offsite South	100Y-3D	18.48	0.00	0.10	1.53	1.53	60.5191	0.0000	60.3418	60.5196	60.5196
Weir B-3B to B-4 (SW Cornell Ave)	100Y-3D	8.72	0.00	0.08	0.85	0.85	60.5191	0.0000	60.3859	60.5204	60.5204
Weir B-4 Offsite NE	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4 Offsite South	100Y-3D	1.47	0.00	0.01	0.98	0.98	60.5762	0.0000	60.4367	60.5795	60.5795
Weir B-4 Out Overland	100Y-3D	19.09	0.00	0.07	1.30	1.30	60.5762	0.0000	60.4367	60.5773	60.5773

Link Min/Max Conditions with Times [Exist. 100Y-3D Zero Discharge]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
CH B-2A to B-2B	100Y-3D Zero Discharge	8.72	-0.02	-0.36	0.62	0.12	60.7337	74.4561	61.4474	27.4111	15.0571
Main Outfall Pipes	100Y-3D Zero Discharge	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Pipe B-1 to B-2A	100Y-3D Zero Discharge	3.55	-0.01	-0.12	2.01	2.01	60.4682	11.0815	24.3491	60.4682	60.4682
Pipe B-2A Out	100Y-3D Zero Discharge	0.79	-0.01	-0.26	1.67	0.55	0.0001	58.9180	36.2080	0.0003	0.0001
Pipe B-3A to B-3B	100Y-3D Zero Discharge	0.82	-0.02	-0.10	0.52	2.28	57.2575	61.8047	24.1348	0.0285	0.0288
Pipe B-3B to B-4	100Y-3D Zero Discharge	7.46	-0.12	-0.12	2.49	4.89	0.0065	8.2956	0.0423	0.0079	0.0004

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Weir B-1 to B-2A	100Y-3D Zero Discharge	6.36	-0.01	-0.43	0.75	0.75	60.8053	74.5894	68.1894	60.8087	60.8087
Weir B-2B to B-3A (SW 29th St)	100Y-3D Zero Discharge	5.00	-3.18	4.85	0.46	0.46	59.8380	61.8013	59.8380	54.9952	54.9952
Weir B-2B to B-3B (SW 29th St)	100Y-3D Zero Discharge	6.86	-1.51	-0.44	0.70	0.70	60.0104	62.0282	59.6178	58.1094	58.1094
Weir B-3A to B-3B	100Y-3D Zero Discharge	4.29	-3.64	-3.35	0.69	0.69	59.8387	61.8047	61.8047	58.0695	58.0695
Weir B-3B Offsite South	100Y-3D Zero Discharge	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-3B to B-4 (SW Cornell Ave)	100Y-3D Zero Discharge	6.30	-0.60	0.53	0.08	0.08	60.0531	62.7636	59.6178	40.6319	40.6319
Weir B-4 Offsite NE	100Y-3D Zero Discharge	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4 Offsite South	100Y-3D Zero Discharge	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4 Out Overland	100Y-3D Zero Discharge	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Min/Max Conditions with Times [Exist. 10Y-1D]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
CH B-2A to B-2B	10Y-1D	4.02	0.00	-0.44	1.12	0.22	12.5951	0.0000	14.5914	11.1926	10.8688
Main Outfall Pipes	10Y-1D	8.07	-3.63	0.34	2.28	2.28	13.5528	0.0001	0.0103	13.5528	13.5528
Pipe B-1 to B-2A	10Y-1D	2.88	-0.02	0.12	1.63	1.63	12.9397	6.9054	24.8148	12.9397	12.9397
Pipe B-2A Out	10Y-1D	3.70	0.00	-0.23	2.09	2.09	17.2925	0.0000	14.6808	17.2925	17.2925
Pipe B-3A to B-3B	10Y-1D	4.82	0.00	0.01	2.72	4.19	12.7740	0.0000	14.6808	12.7740	12.2301
Pipe B-3B to B-4	10Y-1D	8.17	-0.02	0.51	2.60	4.89	14.1051	26.4118	9.0480	14.1051	0.0004

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Weir B-1 to B-2A	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-2B to B-3A (SW 29th St)	10Y-1D	8.79	0.00	8.78	0.76	0.76	13.5815	13.3650	13.5815	12.5893	12.5893
Weir B-2B to B-3B (SW 29th St)	10Y-1D	0.67	0.00	0.01	0.66	0.66	13.6675	0.0000	13.3615	13.6917	13.6917
Weir B-3A to B-3B	10Y-1D	0.66	0.00	0.05	0.66	0.66	13.5957	0.0000	13.3650	13.7110	13.7110
Weir B-3B Offsite South	10Y-1D	0.08	0.00	0.00	0.45	0.45	14.0350	0.0000	14.4434	14.0409	14.0409
Weir B-3B to B-4 (SW Cornell Ave)	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4 Offsite NE	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4 Offsite South	10Y-1D	0.01	0.00	0.00	0.00	0.00	13.6086	0.0000	13.2158	0.0000	0.0000
Weir B-4 Out Overland	10Y-1D	2.91	0.00	0.03	0.72	0.72	13.6086	0.0000	12.9950	13.6097	13.6097

Link Min/Max Conditions with Times [Exist. 25Y-3D]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
CH B-2A to B-2B	25Y-3D	6.87	0.00	-0.39	1.12	0.23	60.7768	0.0000	63.8433	54.7893	53.5151
Main Outfall Pipes	25Y-3D	7.16	-3.63	0.51	2.02	2.02	60.8778	0.0003	0.0108	60.8778	60.8778
Pipe B-1 to B-2A	25Y-3D	4.67	-0.01	-0.12	2.64	2.64	61.5026	13.9501	28.7232	61.5026	61.5026
Pipe B-2A Out	25Y-3D	3.65	0.00	-0.21	2.06	2.06	66.4646	63.8471	63.8311	66.4646	66.4646
Pipe B-3A to B-3B	25Y-3D	4.84	0.00	0.01	2.74	3.90	60.1899	0.0000	63.8311	60.1899	59.1357
Pipe B-3B to B-4	25Y-3D	9.84	-0.02	0.64	3.13	4.89	60.9038	11.2170	35.1137	60.9038	0.0008
Weir B-1 to B-2A	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-2B	25Y-3D	15.39	0.00	-15.39	0.77	0.77	60.7726	60.6059	60.7739	60.1008	60.1008

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
to B-3A (SW 29th St)											
Weir B-2B to B-3B (SW 29th St)	25Y-3D	5.19	0.00	0.02	1.04	1.04	60.7611	0.0000	60.6045	60.7726	60.7726
Weir B-3A to B-3B	25Y-3D	5.18	0.00	0.11	1.04	1.04	60.7765	0.0000	60.6059	60.7539	60.7539
Weir B-3B Offsite South	25Y-3D	11.11	0.00	0.07	1.34	1.34	60.8727	0.0000	60.6045	60.8731	60.8731
Weir B-3B to B-4 (SW Cornell Ave)	25Y-3D	1.48	0.00	0.01	0.82	0.82	60.8727	0.0000	60.6045	61.1087	61.1087
Weir B-4 Offsite NE	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4 Offsite South	25Y-3D	0.32	0.00	0.00	0.78	0.78	60.8505	0.0000	60.4326	60.8539	60.8539
Weir B-4 Out Overland	25Y-3D	10.08	0.00	0.03	1.06	1.06	60.8505	0.0000	60.3184	60.8516	60.8516

Link Min/Max Conditions with Times [Exist. 3Y-1D]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
CH B-2A to B-2B	3Y-1D	2.57	0.00	-0.03	1.16	0.24	12.8524	0.0000	13.6035	11.7082	11.6727
Main Outfall Pipes	3Y-1D	7.46	-3.63	0.34	2.11	2.11	14.0165	0.0001	0.0103	14.0165	14.0165
Pipe B-1 to B-2A	3Y-1D	1.98	-0.02	-0.10	1.12	1.12	12.8825	8.4376	24.6136	12.8825	12.8825
Pipe B-2A Out	3Y-1D	3.63	0.00	0.02	2.06	2.06	14.1148	0.0000	25.9541	14.1148	14.1148
Pipe B-3A to B-3B	3Y-1D	3.93	0.00	0.00	2.23	4.13	13.4239	0.0000	11.7177	13.4239	12.4616
Pipe B-3B to B-4	3Y-1D	7.57	-0.01	-0.42	2.51	4.89	0.0050	26.7971	24.4629	0.0056	0.0004
Weir B-1 to B-2A	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-2B to B-3A (SW 29th St)	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Weir B-2B to B-3B (SW 29th St)	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-3A to B-3B	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-3B Offsite South	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-3B to B-4 (SW Cornell Ave)	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4 Offsite NE	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4 Offsite South	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4 Out Overland	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Basin Inflow Volume [ac_ft]	Basin Outflow Volume [ac_ft]	Total Inflow Volume [ac_ft]	Total Outflow Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	38.5011	0.82	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	38.7502	0.82	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	39.0013	0.83	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	39.2504	0.83	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	39.5007	0.83	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	39.7503	0.83	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	40.0009	0.83	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	40.2509	0.84	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	40.5016	0.84	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	40.7516	0.84	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	41.0002	0.84	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	41.2519	0.84	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	41.5003	0.85	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	41.7501	0.85	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	42.0004	0.85	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	42.2528	0.85	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	42.5004	0.85	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	42.7521	0.86	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	43	0.86	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	43.253	0.86	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	43.5014	0.86	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	43.751	0.86	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	44.0051	0.87	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	44.2517	0.87	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	44.5032	0.87	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	44.7503	0.87	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	45.0021	0.88	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	45.2568	0.88	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	45.5106	0.88	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	45.752	0.88	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	46.0037	0.88	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	46.259	0.89	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	46.5127	0.89	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	46.7514	0.89	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	47.0046	0.89	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	47.2548	0.89	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	47.51	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	47.7524	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	48.0053	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	48.257	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	48.5059	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	48.754	0.91	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	49.0091	0.91	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	49.2501	0.91	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	NE Offsite	49.5079					

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MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow	Basin Outflow	Total Inflow	Total Outflow
			[hrs]	Stage [ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	34.0001	2.77	0.17	0	0.17	0.17
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	34.2505	2.77	0.17	0	0.18	0.17
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	34.5001	2.78	0.18	0	0.18	0.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	34.75	2.78	0.18	0	0.18	0.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	35.0006	2.79	0.19	0	0.19	0.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	35.2502	2.8	0.19	0	0.19	0.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	35.5004	2.8	0.2	0	0.2	0.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	35.7501	2.81	0.2	0	0.2	0.2
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	36.0011	2.82	0.2	0	0.21	0.2
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	36.2507	2.83	0.21	0	0.21	0.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	36.5007	2.84	0.21	0	0.22	0.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	36.7503	2.85	0.22	0	0.22	0.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	37.0009	2.86	0.22	0	0.22	0.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	37.2508	2.87	0.23	0	0.23	0.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	37.5017	2.88	0.23	0	0.23	0.23
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	37.7508	2.89	0.24	0	0.24	0.23
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	38.0006	2.9	0.24	0	0.24	0.24
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	38.2512	2.92	0.25	0	0.25	0.24
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	38.5011	2.93	0.25	0	0.25	0.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	38.7502	2.94	0.26	0	0.26	0.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	39.0013	2.95	0.26	0	0.26	0.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	39.2504	2.96	0.27	0	0.27	0.26
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	39.5007	2.97	0.27	0	0.27	0.26
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	39.7503	2.99	0.28	0	0.28	0.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	40.0009	3	0.28	0	0.28	0.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	40.2509	3.01	0.29	0	0.29	0.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	40.5016	3.02	0.29	0	0.29	0.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	40.7516	3.03	0.3	0	0.3	0.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	41.0002	3.04	0.3	0	0.3	0.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	41.2519	3.06	0.31	0	0.31	0.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	41.5003	3.07	0.31	0	0.31	0.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	41.7501	3.08	0.32	0	0.32	0.3
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	42.0004	3.09	0.32	0	0.32	0.3
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	42.2528	3.1	0.33	0	0.33	0.31
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	42.5004	3.11	0.33	0	0.33	0.31
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	42.7521	3.12	0.34	0	0.34	0.31
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	43	3.13	0.34	0	0.34	0.32
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	43.253	3.14	0.35	0	0.35	0.32
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	43.5014	3.15	0.35	0	0.36	0.32
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	43.751	3.16	0.36	0	0.36	0.33
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	44.0051	3.17	0.37	0	0.37	0.33
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	44.2517	3.18	0.37	0	0.37	0.34
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	44.5032	3.19	0.38	0	0.38	0.34
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	44.7503	3.2	0.38	0	0.38	0.34
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	45.0021	3.21	0.39	0	0.39	0.35
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	45.2568	3.22	0.39	0	0.39	0.35
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	45.5106	3.23	0.4	0	0.4	0.36
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	45.752	3.24	0.4	0	0.4	0.36
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	46.0037	3.25	0.41	0	0.41	0.36
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	46.259	3.26	0.41	0	0.42	0.37
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	46.5127	3.27	0.42	0	0.42	0.37
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	46.7514	3.28	0.43	0	0.43	0.38
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	47.0046	3.29	0.43	0	0.43	0.38
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	47.2548	3.3	0.44	0	0.44	0.38
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	47.51	3.31	0.44	0	0.44	0.39
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	47.7524	3.32	0.45	0	0.45	0.39
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	48.0053	3.33	0.45	0	0.46	0.4
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	48.257	3.34	0.46	0	0.46	0.4
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	48.5059	3.35	0.47	0	0.47	0.4
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	48.754	3.36	0.47	0	0.47	0.41
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	49.0091	3.37	0.48	0	0.48	0.41
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	49.2501	3.38	0.49	0	0.49	0.42
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	49.5079	3.39	0.49	0	0.49	0.42
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	49.7515	3.4	0.5	0	0.5	0.42
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	50.0058	3.41	0.5	0	0.51	0.43
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	50.2563	3.42	0.51	0	0.51	0.43
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	50.5041	3.43	0.52	0	0.52	0.44
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	50.7564	3.44	0.53	0	0.53	0.44
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	51.0097	3.45	0.53	0	0.54	0.45
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	51.2504	3.46	0.54	0	0.54	0.45
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	51.5069	3.47	0.55	0	0.55	0.46
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	51.7533	3.49	0.56	0	0.56	0.46
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	52.0033	3.5	0.57	0	0.57	0.47
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	52.2533	3.51	0.58	0	0.58	0.47
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	52.5033	3.52	0.59	0	0.59	0.48
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	52.7633	3.54	0.6	0	0.6	0.49
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	53.0016	3.55	0.61	0	0.61	0.49

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow	Basin Outflow	Total Inflow	Total Outflow
			[hrs]	Stage [ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	53.2566	3.57	0.62	0	0.62	0.5
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	53.5009	3.59	0.63	0	0.63	0.51
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	53.7584	3.61	0.64	0	0.64	0.52
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	54.0026	3.62	0.66	0	0.66	0.52
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	54.2611	3.64	0.67	0	0.67	0.53
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	54.5105	3.66	0.69	0	0.69	0.54
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	54.7529	3.68	0.7	0	0.7	0.55
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	55.0046	3.7	0.72	0	0.72	0.56
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	55.2565	3.73	0.74	0	0.74	0.57
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	55.505	3.75	0.76	0	0.76	0.58
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	55.7554	3.77	0.78	0	0.78	0.6
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	56.004	3.79	0.8	0	0.8	0.61
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	56.2522	3.82	0.82	0	0.82	0.62
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	56.5021	3.84	0.84	0	0.84	0.63
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	56.7509	3.87	0.86	0	0.86	0.65
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	57.0035	3.89	0.89	0	0.89	0.66
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	57.2502	3.92	0.91	0	0.91	0.68
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	57.5017	3.95	0.94	0	0.94	0.69
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	57.751	3.98	0.97	0	0.97	0.71
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	58	4	1	0	1	0.73
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	58.2515	4.03	1.03	0	1.03	0.75
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	58.5034	4.05	1.06	0	1.06	0.77
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	58.7505	4.09	1.1	0	1.1	0.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	59.0005	4.12	1.14	0	1.14	0.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	59.2509	4.17	1.18	0	1.18	0.84
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	59.5004	4.23	1.24	0	1.24	0.86
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	59.7508	4.33	1.32	0	1.32	0.89
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	60	4.6	1.53	0	1.53	0.94
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	60.2503	4.89	1.85	0	1.85	1.01
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	60.5008	5.09	2.14	0	2.14	1.08
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	60.7517	5.14	2.37	0	2.37	1.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	61.0015	5.13	2.54	0	2.55	1.43
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	61.2517	5.13	2.69	0	2.69	1.58
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	61.5035	5.14	2.81	0	2.82	1.69
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	61.7521	5.19	2.91	0	2.92	1.73
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	62.0031	5.23	3	0	3	1.76
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	62.2501	5.26	3.06	0	3.06	1.78
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	62.5002	5.29	3.12	0	3.12	1.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	62.7536	5.31	3.16	0	3.16	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	63.0023	5.33	3.19	0	3.19	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	63.2502	5.35	3.23	0	3.23	1.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	63.5032	5.37	3.26	0	3.26	1.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	63.753	5.39	3.29	0	3.29	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	64.003	5.4	3.31	0	3.32	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	64.252	5.41	3.34	0	3.34	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	64.5003	5.42	3.37	0	3.37	1.84
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	64.7545	5.43	3.39	0	3.39	1.85
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	65.001	5.44	3.41	0	3.41	1.85
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	65.2522	5.45	3.43	0	3.43	1.86
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	65.5087	5.46	3.44	0	3.45	1.86
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	65.7545	5.47	3.46	0	3.46	1.87
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	66.0061	5.48	3.48	0	3.48	1.87
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	66.2561	5.48	3.5	0	3.5	1.88
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	66.5061	5.49	3.51	0	3.51	1.88
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	66.7561	5.5	3.53	0	3.53	1.89
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	67.0061	5.51	3.55	0	3.55	1.89
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	67.2561	5.51	3.56	0	3.56	1.9
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	67.5061	5.52	3.58	0	3.58	1.91
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	67.7561	5.53	3.59	0	3.6	1.91
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	68.0061	5.53	3.61	0	3.61	1.92
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	68.2561	5.54	3.63	0	3.63	1.92
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	68.5128	5.55	3.64	0	3.64	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	68.7561	5.55	3.66	0	3.66	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	69.0061	5.56	3.67	0	3.67	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	69.2561	5.56	3.68	0	3.68	1.94
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	69.5061	5.57	3.69	0	3.69	1.94
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	69.7561	5.57	3.7	0	3.7	1.94
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	70.0061	5.58	3.71	0	3.72	1.95
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	70.2561	5.58	3.73	0	3.73	1.95
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	70.5061	5.59	3.74	0	3.74	1.95
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	70.7561	5.59	3.75	0	3.75	1.96
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	71.0061	5.6	3.76	0	3.76	1.96
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	71.2561	5.6	3.77	0	3.77	1.96
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	71.5061	5.61	3.78	0	3.78	1.96
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	71.7561	5.61	3.79	0	3.79	1.97
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	72.0061	5.62	3.8	0	3.8	1.97
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-1	72.2561	5.62	3.81	0	3.81	1.97

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

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Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Basin Inflow Volume [ac. ft]	Basin Outflow Volume [ac. ft]	Total Inflow Volume [ac. ft]	Total Outflow Volume [ac. ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	10.2514	2.13	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	10.5009	2.17	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	10.7504	2.18	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	11.0003	2.18	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	11.2542	2.21	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	11.5021	2.26	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	11.7538	2.31	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	12.0011	2.36	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	12.2518	2.43	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	12.5002	2.49	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	12.7514	2.55	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	13.0045	2.58	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	13.2573	2.61	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	13.506	2.63	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	13.7501	2.64	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	14.0008	2.65	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	14.2507	2.65	0	0	0.01	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	14.5009	2.65	0.01	0	0.01	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	14.7535	2.66	0.01	0	0.01	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	15.0007	2.66	0.01	0	0.01	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	15.2512	2.66	0.01	0	0.01	0.01
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	15.5004	2.66	0.01	0	0.01	0.01
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	15.7541	2.66	0.01	0	0.01	0.01
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	16.0003	2.66	0.01	0	0.01	0.01
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	16.2519	2.67	0.01	0	0.01	0.01
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	16.5006	2.67	0.01	0	0.01	0.01
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	16.7516	2.67	0.01	0	0.01	0.01
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	17.0003	2.67	0.01	0	0.02	0.01
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	17.2557	2.67	0.01	0	0.02	0.01
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	17.503	2.67	0.01	0	0.02	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	17.7501	2.67	0.01	0	0.02	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	18.0037	2.67	0.01	0	0.02	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	18.2521	2.68	0.01	0	0.02	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	18.5022	2.68	0.01	0	0.03	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	18.7512	2.68	0.02	0	0.03	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	19.0004	2.68	0.02	0	0.03	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	19.2503	2.68	0.02	0	0.03	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	19.5027	2.68	0.02	0	0.03	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	19.7533	2.68	0.02	0	0.03	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	20.0023	2.68	0.02	0	0.04	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	20.2539	2.68	0.02	0	0.04	0.03
Exist. 100Y-								

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow	Basin Outflow	Total Inflow	Total Outflow
			[hrs]	Stage [ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	29.5004	2.72	0.07	0	0.17	0.16
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	29.7503	2.73	0.07	0	0.17	0.17
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	30.0002	2.73	0.07	0	0.18	0.17
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	30.2507	2.73	0.07	0	0.19	0.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	30.5006	2.73	0.08	0	0.19	0.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	30.7503	2.73	0.08	0	0.2	0.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	31.001	2.73	0.08	0	0.2	0.2
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	31.2503	2.73	0.08	0	0.21	0.2
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	31.5007	2.74	0.08	0	0.21	0.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	31.7506	2.74	0.09	0	0.22	0.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	32	2.74	0.09	0	0.23	0.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	32.2505	2.74	0.09	0	0.23	0.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	32.5002	2.75	0.09	0	0.24	0.23
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	32.7505	2.75	0.09	0	0.24	0.24
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	33.001	2.75	0.1	0	0.25	0.24
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	33.2505	2.75	0.1	0	0.26	0.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	33.5006	2.76	0.1	0	0.26	0.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	33.7506	2.76	0.1	0	0.27	0.26
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	34.0001	2.77	0.1	0	0.27	0.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	34.2505	2.77	0.11	0	0.28	0.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	34.5001	2.77	0.11	0	0.29	0.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	34.75	2.78	0.11	0	0.29	0.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	35.0006	2.79	0.11	0	0.3	0.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	35.2502	2.79	0.11	0	0.31	0.3
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	35.5004	2.8	0.12	0	0.31	0.3
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	35.7501	2.81	0.12	0	0.32	0.31
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	36.0011	2.82	0.12	0	0.32	0.31
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	36.2507	2.82	0.12	0	0.33	0.32
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	36.5007	2.83	0.13	0	0.34	0.32
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	36.7503	2.84	0.13	0	0.34	0.33
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	37.0009	2.86	0.13	0	0.35	0.34
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	37.2508	2.87	0.13	0	0.36	0.34
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	37.5017	2.88	0.13	0	0.36	0.35
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	37.7508	2.89	0.14	0	0.37	0.35
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	38.0006	2.9	0.14	0	0.38	0.36
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	38.2512	2.91	0.14	0	0.38	0.36
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	38.5011	2.92	0.14	0	0.39	0.37
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	38.7502	2.94	0.15	0	0.4	0.37
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	39.0013	2.95	0.15	0	0.4	0.38
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	39.2504	2.96	0.15	0	0.41	0.38
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	39.5007	2.97	0.15	0	0.41	0.39
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	39.7503	2.98	0.16	0	0.42	0.39
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	40.0009	3	0.16	0	0.43	0.4
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	40.2509	3.01	0.16	0	0.43	0.4
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	40.5016	3.02	0.16	0	0.44	0.41
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	40.7516	3.03	0.16	0	0.45	0.41
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	41.0002	3.04	0.17	0	0.45	0.42
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	41.2519	3.05	0.17	0	0.46	0.42
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	41.5003	3.06	0.17	0	0.46	0.43
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	41.7501	3.07	0.17	0	0.47	0.43
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	42.0004	3.09	0.18	0	0.48	0.44
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	42.2528	3.1	0.18	0	0.48	0.44
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	42.5004	3.11	0.18	0	0.49	0.45
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	42.7521	3.12	0.18	0	0.5	0.45
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	43	3.13	0.19	0	0.5	0.46
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	43.253	3.14	0.19	0	0.51	0.46
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	43.5014	3.15	0.19	0	0.52	0.47
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	43.751	3.16	0.19	0	0.52	0.47
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	44.0051	3.17	0.2	0	0.53	0.48
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	44.2517	3.18	0.2	0	0.53	0.48
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	44.5032	3.19	0.2	0	0.54	0.49
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	44.7503	3.2	0.2	0	0.55	0.49
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	45.0021	3.21	0.21	0	0.55	0.5
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	45.2568	3.22	0.21	0	0.56	0.5
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	45.5106	3.23	0.21	0	0.57	0.51
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	45.752	3.24	0.21	0	0.57	0.51
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	46.0037	3.25	0.22	0	0.58	0.52
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	46.259	3.26	0.22	0	0.59	0.52
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	46.5127	3.27	0.22	0	0.59	0.53
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	46.7514	3.28	0.22	0	0.6	0.53
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	47.0046	3.29	0.23	0	0.61	0.54
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	47.2548	3.3	0.23	0	0.61	0.54
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	47.51	3.31	0.23	0	0.62	0.55
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	47.7524	3.32	0.23	0	0.62	0.55
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	48.0053	3.33	0.24	0	0.63	0.56
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	48.257	3.34	0.24	0	0.64	0.56
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	48.5059	3.34	0.24	0	0.64	0.57

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow Volume [ac_ft]	Basin Outflow Volume [ac_ft]	Total Inflow Volume [ac_ft]	Total Outflow Volume [ac_ft]
			[hrs]	Stage [ft]				
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	48.754	3.35	0.24	0	0.65	0.57
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	49.0091	3.36	0.25	0	0.66	0.58
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	49.2501	3.37	0.25	0	0.67	0.58
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	49.5079	3.38	0.25	0	0.67	0.59
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	49.7515	3.39	0.25	0	0.68	0.59
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	50.0058	3.4	0.26	0	0.69	0.6
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	50.2563	3.41	0.26	0	0.69	0.6
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	50.5041	3.42	0.26	0	0.7	0.61
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	50.7564	3.44	0.27	0	0.71	0.62
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	51.0097	3.45	0.27	0	0.72	0.62
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	51.2504	3.46	0.27	0	0.73	0.63
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	51.5069	3.47	0.28	0	0.74	0.63
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	51.7533	3.48	0.28	0	0.75	0.64
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	52.0033	3.49	0.29	0	0.75	0.65
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	52.2533	3.51	0.29	0	0.76	0.65
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	52.5033	3.52	0.29	0	0.77	0.66
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	52.7633	3.54	0.3	0	0.79	0.67
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	53.0016	3.55	0.3	0	0.8	0.68
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	53.2566	3.57	0.31	0	0.81	0.69
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	53.5009	3.58	0.31	0	0.82	0.7
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	53.7584	3.6	0.32	0	0.84	0.71
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	54.0026	3.62	0.33	0	0.85	0.72
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	54.2611	3.64	0.33	0	0.87	0.73
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	54.5105	3.66	0.34	0	0.88	0.74
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	54.7529	3.68	0.35	0	0.9	0.75
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	55.0046	3.7	0.35	0	0.92	0.76
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	55.2565	3.72	0.36	0	0.94	0.78
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	55.505	3.74	0.37	0	0.95	0.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	55.7554	3.76	0.38	0	0.98	0.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	56.004	3.78	0.39	0	1	0.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	56.2522	3.81	0.4	0	1.02	0.84
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	56.5021	3.83	0.41	0	1.04	0.85
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	56.7509	3.85	0.42	0	1.06	0.87
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	57.0035	3.88	0.43	0	1.09	0.89
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	57.2502	3.91	0.44	0	1.11	0.9
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	57.5017	3.93	0.45	0	1.14	0.92
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	57.751	3.95	0.46	0	1.17	0.94
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	58	3.97	0.48	0	1.2	0.97
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	58.2515	3.99	0.49	0	1.24	1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	58.5034	4.02	0.5	0	1.27	1.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	58.7505	4.05	0.52	0	1.31	1.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	59.0005	4.09	0.54	0	1.35	1.08
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	59.2509	4.13	0.56	0	1.39	1.11
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	59.5004	4.17	0.58	0	1.45	1.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	59.7508	4.24	0.63	0	1.53	1.2
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	60	4.38	0.76	0	1.7	1.31
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	60.2503	4.56	0.92	0	1.92	1.44
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	60.5008	4.72	1.03	0	2.11	1.54
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	60.7517	4.87	1.11	0	2.36	1.7
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	61.0015	4.98	1.17	0	2.6	1.87
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	61.2517	5.07	1.22	0	2.8	2
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	61.5035	5.14	1.25	0	2.94	2.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	61.7521	5.18	1.27	0	3	2.11
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	62.0031	5.23	1.29	0	3.05	2.13
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	62.2501	5.26	1.31	0	3.08	2.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	62.5002	5.29	1.32	0	3.11	2.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	62.7536	5.31	1.34	0	3.13	2.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	63.0023	5.33	1.35	0	3.15	2.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	63.2502	5.35	1.36	0	3.17	2.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	63.5032	5.37	1.37	0	3.18	2.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	63.753	5.39	1.38	0	3.2	2.15
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	64.003	5.4	1.39	0	3.22	2.15
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	64.252	5.41	1.4	0	3.24	2.16
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	64.5003	5.42	1.41	0	3.25	2.17
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	64.7545	5.43	1.42	0	3.26	2.17
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	65.001	5.44	1.42	0	3.28	2.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	65.2522	5.45	1.43	0	3.29	2.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	65.5087	5.46	1.44	0	3.3	2.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	65.7545	5.47	1.44	0	3.31	2.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	66.0061	5.48	1.45	0	3.32	2.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	66.2561	5.48	1.46	0	3.33	2.2
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	66.5061	5.49	1.46	0	3.34	2.2
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	66.7561	5.5	1.47	0	3.36	2.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	67.0061	5.51	1.47	0	3.37	2.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	67.2561	5.51	1.48	0	3.38	2.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	67.5061	5.52	1.49	0	3.39	2.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	67.7561	5.53	1.49	0	3.4	2.23

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Basin Inflow Volume [ac. ft]	Basin Outflow Volume [ac. ft]	Total Inflow Volume [ac. ft]	Total Outflow Volume [ac. ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	68.0061	5.53	1.5	0	3.42	2.23
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	68.2561	5.54	1.51	0	3.43	2.23
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	68.5128	5.55	1.51	0	3.44	2.24
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	68.7561	5.55	1.52	0	3.45	2.24
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	69.0061	5.56	1.52	0	3.46	2.24
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	69.2561	5.56	1.52	0	3.46	2.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	69.5061	5.57	1.53	0	3.47	2.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	69.7561	5.57	1.53	0	3.48	2.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	70.0061	5.58	1.54	0	3.48	2.26
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	70.2561	5.58	1.54	0	3.49	2.26
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	70.5061	5.59	1.55	0	3.5	2.26
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	70.7561	5.59	1.55	0	3.51	2.26
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	71.0061	5.6	1.55	0	3.51	2.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	71.2561	5.6	1.56	0	3.52	2.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	71.5061	5.61	1.56	0	3.53	2.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	71.7561	5.61	1.57	0	3.53	2.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	72.0061	5.62	1.57	0	3.54	2.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	72.2561	5.62	1.57	0	3.55	2.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	72.5061	5.62	1.58	0	3.55	2.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	72.7561	5.63	1.58	0	3.56	2.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	73.0061	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	73.2561	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	73.5061	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	73.7561	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	74.0061	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	74.2561	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	74.5061	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	74.7561	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	75.0061	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	75.2561	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	75.5061	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	75.7561	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	76.0061	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	76.2561	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	76.5061	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	76.7561	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	77.0061	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	77.2561	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	77.5061	5.63	1.58	0	3.56	2.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2A	77.7561					

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MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow	Basin Outflow	Total Inflow	Total Outflow
			[hrs]	Stage [ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	25.0006	2.06	0.07	0	0.15	0.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	25.2537	2.08	0.07	0	0.15	0.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	25.5021	2.1	0.07	0	0.16	0.15
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	25.7503	2.12	0.08	0	0.17	0.16
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	26.0034	2.14	0.08	0	0.17	0.16
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	26.2517	2.16	0.08	0	0.18	0.17
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	26.5017	2.18	0.08	0	0.19	0.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	26.7511	2.2	0.09	0	0.2	0.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	27.0004	2.22	0.09	0	0.2	0.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	27.251	2.23	0.09	0	0.21	0.2
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	27.5001	2.25	0.1	0	0.22	0.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	27.7504	2.27	0.1	0	0.23	0.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	28.0006	2.29	0.1	0	0.24	0.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	28.2502	2.31	0.11	0	0.24	0.23
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	28.501	2.32	0.11	0	0.25	0.24
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	28.7504	2.34	0.11	0	0.26	0.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	29.0007	2.36	0.12	0	0.27	0.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	29.2503	2.38	0.12	0	0.28	0.26
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	29.5004	2.39	0.13	0	0.29	0.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	29.7503	2.41	0.13	0	0.3	0.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	30.0002	2.43	0.13	0	0.31	0.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	30.2507	2.44	0.14	0	0.31	0.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	30.5006	2.46	0.14	0	0.32	0.3
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	30.7503	2.48	0.14	0	0.33	0.31
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	31.001	2.49	0.15	0	0.34	0.32
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	31.2503	2.51	0.15	0	0.35	0.33
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	31.5007	2.52	0.16	0	0.36	0.34
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	31.7506	2.54	0.16	0	0.37	0.34
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	32	2.55	0.16	0	0.38	0.35
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	32.2505	2.57	0.17	0	0.39	0.36
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	32.5002	2.59	0.17	0	0.4	0.37
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	32.7505	2.6	0.18	0	0.41	0.38
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	33.001	2.62	0.18	0	0.42	0.39
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	33.2505	2.63	0.18	0	0.43	0.4
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	33.5006	2.65	0.19	0	0.44	0.41
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	33.7506	2.66	0.19	0	0.45	0.41
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	34.0001	2.68	0.2	0	0.46	0.42
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	34.2505	2.69	0.2	0	0.47	0.43
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	34.5001	2.7	0.21	0	0.48	0.44
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	34.75	2.72	0.21	0	0.49	0.45
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	35.0006	2.73	0.21	0	0.5	0.46
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	35.2502	2.75	0.22	0	0.51	0.47
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	35.5004	2.76	0.22	0	0.52	0.48
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	35.7501	2.77	0.23	0	0.53	0.49
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	36.0011	2.79	0.23	0	0.54	0.49
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	36.2507	2.8	0.24	0	0.55	0.5
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	36.5007	2.81	0.24	0	0.56	0.51
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	36.7503	2.83	0.24	0	0.57	0.52
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	37.0009	2.84	0.25	0	0.58	0.53
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	37.2508	2.85	0.25	0	0.59	0.54
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	37.5017	2.87	0.26	0	0.6	0.55
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	37.7508	2.88	0.26	0	0.61	0.55
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	38.0006	2.89	0.27	0	0.62	0.56
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	38.2512	2.9	0.27	0	0.63	0.57
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	38.5011	2.92	0.28	0	0.64	0.58
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	38.7502	2.93	0.28	0	0.65	0.59
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	39.0013	2.94	0.29	0	0.66	0.6
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	39.2504	2.95	0.29	0	0.67	0.6
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	39.5007	2.97	0.3	0	0.68	0.61
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	39.7503	2.98	0.3	0	0.69	0.62
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	40.0009	2.99	0.31	0	0.7	0.63
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	40.2509	3	0.31	0	0.71	0.64
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	40.5016	3.01	0.32	0	0.72	0.65
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	40.7516	3.02	0.32	0	0.73	0.65
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	41.0002	3.04	0.33	0	0.74	0.66
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	41.2519	3.05	0.33	0	0.75	0.67
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	41.5003	3.06	0.34	0	0.76	0.68
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	41.7501	3.07	0.34	0	0.77	0.68
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	42.0004	3.08	0.35	0	0.78	0.69
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	42.2528	3.09	0.35	0	0.79	0.7
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	42.5004	3.1	0.36	0	0.8	0.71
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	42.7521	3.11	0.36	0	0.81	0.72
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	43	3.12	0.37	0	0.82	0.72
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	43.253	3.13	0.37	0	0.83	0.73
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	43.5014	3.14	0.38	0	0.84	0.74
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	43.751	3.15	0.38	0	0.85	0.74
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	44.0051	3.17	0.39	0	0.86	0.75

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow	Basin Outflow	Total Inflow	Total Outflow
			[hrs]	Stage [ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	44.2517	3.18	0.39	0	0.87	0.76
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	44.5032	3.19	0.4	0	0.88	0.77
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	44.7503	3.2	0.4	0	0.89	0.77
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	45.0021	3.21	0.41	0	0.9	0.78
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	45.2568	3.22	0.41	0	0.91	0.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	45.5106	3.23	0.42	0	0.92	0.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	45.752	3.24	0.42	0	0.93	0.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	46.0037	3.25	0.43	0	0.94	0.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	46.259	3.26	0.43	0	0.96	0.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	46.5127	3.27	0.44	0	0.97	0.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	46.7514	3.27	0.44	0	0.98	0.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	47.0046	3.28	0.45	0	0.99	0.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	47.2548	3.29	0.45	0	1	0.84
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	47.51	3.3	0.46	0	1.01	0.84
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	47.7524	3.31	0.47	0	1.02	0.85
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	48.0053	3.32	0.47	0	1.03	0.86
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	48.257	3.33	0.48	0	1.04	0.86
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	48.5059	3.34	0.48	0	1.05	0.87
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	48.754	3.35	0.49	0	1.06	0.88
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	49.0091	3.36	0.49	0	1.07	0.88
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	49.2501	3.37	0.5	0	1.08	0.89
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	49.5079	3.38	0.51	0	1.09	0.9
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	49.7515	3.39	0.51	0	1.1	0.9
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	50.0058	3.4	0.52	0	1.12	0.91
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	50.2563	3.41	0.52	0	1.13	0.91
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	50.5041	3.42	0.53	0	1.14	0.92
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	50.7564	3.43	0.54	0	1.15	0.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	51.0097	3.44	0.55	0	1.17	0.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	51.2504	3.45	0.55	0	1.18	0.94
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	51.5069	3.47	0.56	0	1.19	0.95
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	51.7533	3.48	0.57	0	1.21	0.96
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	52.0033	3.49	0.58	0	1.22	0.96
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	52.2533	3.5	0.58	0	1.24	0.97
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	52.5033	3.52	0.59	0	1.25	0.98
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	52.7633	3.53	0.6	0	1.27	0.99
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	53.0016	3.55	0.61	0	1.29	0.99
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	53.2566	3.56	0.63	0	1.31	1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	53.5009	3.58	0.64	0	1.33	1.01
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	53.7584	3.6	0.65	0	1.35	1.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	54.0026	3.61	0.66	0	1.38	1.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	54.2611	3.63	0.68	0	1.4	1.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	54.5105	3.65	0.69	0	1.43	1.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	54.7529	3.67	0.71	0	1.46	1.06
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	55.0046	3.69	0.72	0	1.48	1.07
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	55.2565	3.71	0.74	0	1.51	1.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	55.505	3.73	0.76	0	1.55	1.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	55.7554	3.76	0.77	0	1.58	1.11
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	56.004	3.78	0.79	0	1.61	1.12
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	56.2522	3.8	0.81	0	1.65	1.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	56.5021	3.83	0.83	0	1.68	1.15
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	56.7509	3.85	0.86	0	1.72	1.16
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	57.0035	3.88	0.88	0	1.76	1.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	57.2502	3.9	0.9	0	1.8	1.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	57.5017	3.93	0.93	0	1.85	1.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	57.751	3.95	0.95	0	1.9	1.23
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	58	3.97	0.98	0	1.95	1.26
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	58.2515	3.99	1.01	0	2.01	1.3
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	58.5034	4.02	1.04	0	2.07	1.32
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	58.7505	4.05	1.07	0	2.12	1.34
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	59.0005	4.08	1.11	0	2.19	1.36
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	59.2509	4.12	1.16	0	2.26	1.39
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	59.5004	4.17	1.21	0	2.35	1.42
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	59.7508	4.23	1.31	0	2.5	1.47
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	60	4.37	1.55	0	2.86	1.62
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	60.2503	4.56	1.88	0	3.32	1.75
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	60.5008	4.72	2.13	0	3.67	1.78
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	60.7517	4.86	2.32	0	4.02	1.84
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	61.0015	4.97	2.46	0	4.33	1.89
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	61.2517	5.06	2.57	0	4.57	1.92
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	61.5035	5.13	2.66	0	4.75	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	61.7521	5.18	2.72	0	4.87	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	62.0031	5.22	2.77	0	4.98	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	62.2501	5.26	2.81	0	5.07	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	62.5002	5.29	2.85	0	5.14	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	62.7536	5.31	2.88	0	5.21	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	63.0023	5.33	2.91	0	5.27	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	63.2502	5.35	2.93	0	5.32	1.93

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Basin Inflow Volume [ac. ft]	Basin Outflow Volume [ac. ft]	Total Inflow Volume [ac. ft]	Total Outflow Volume [ac. ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	63.5032	5.37	2.96	0	5.36	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	63.753	5.38	2.98	0	5.4	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	64.003	5.4	3	0	5.44	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	64.252	5.41	3.03	0	5.48	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	64.5003	5.42	3.05	0	5.51	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	64.7545	5.43	3.06	0	5.54	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	65.001	5.44	3.08	0	5.56	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	65.2522	5.45	3.09	0	5.59	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	65.5087	5.46	3.11	0	5.61	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	65.7545	5.47	3.12	0	5.63	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	66.0061	5.48	3.14	0	5.65	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	66.2561	5.48	3.15	0	5.67	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	66.5061	5.49	3.17	0	5.69	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	66.7561	5.5	3.18	0	5.72	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	67.0061	5.5	3.19	0	5.74	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	67.2561	5.51	3.21	0	5.76	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	67.5061	5.52	3.22	0	5.78	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	67.7561	5.53	3.24	0	5.8	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	68.0061	5.53	3.25	0	5.82	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	68.2561	5.54	3.26	0	5.84	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	68.5128	5.55	3.28	0	5.86	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	68.7561	5.55	3.29	0	5.87	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	69.0061	5.56	3.3	0	5.89	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	69.2561	5.56	3.31	0	5.9	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	69.5061	5.57	3.32	0	5.92	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	69.7561	5.57	3.33	0	5.93	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	70.0061	5.58	3.34	0	5.95	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	70.2561	5.58	3.35	0	5.96	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	70.5061	5.59	3.35	0	5.98	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	70.7561	5.59	3.36	0	5.99	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	71.0061	5.6	3.37	0	6	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	71.2561	5.6	3.38	0	6.02	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	71.5061	5.61	3.39	0	6.03	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	71.7561	5.61	3.4	0	6.04	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	72.0061	5.62	3.41	0	6.06	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	72.2561	5.62	3.42	0	6.07	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	72.5061	5.62	3.43	0	6.08	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	72.7561	5.63	3.43	0	6.09	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	73.0061	5.63	3.43	0	6.09	1.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-2B	73.2561	5.63	3.43</			

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MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow	Basin Outflow	Total Inflow	Total Outflow
			[hrs]	Stage [ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	20.5009	1.76	0.01	0	0.07	0.07
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	20.7501	1.77	0.01	0	0.07	0.07
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	21.0019	1.79	0.01	0	0.08	0.08
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	21.2556	1.8	0.01	0	0.08	0.08
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	21.5013	1.82	0.01	0	0.09	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	21.753	1.84	0.01	0	0.09	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	22.0013	1.85	0.01	0	0.09	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	22.2514	1.87	0.01	0	0.1	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	22.5026	1.88	0.01	0	0.1	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	22.7544	1.9	0.01	0	0.11	0.11
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	23.0011	1.92	0.01	0	0.11	0.11
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	23.2518	1.93	0.01	0	0.11	0.11
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	23.5014	1.95	0.01	0	0.12	0.12
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	23.7508	1.96	0.01	0	0.12	0.12
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	24.0001	1.98	0.01	0	0.13	0.13
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	24.2509	1.99	0.01	0	0.13	0.13
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	24.5029	2.01	0.01	0	0.14	0.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	24.7536	2.03	0.01	0	0.14	0.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	25.0006	2.05	0.01	0	0.15	0.15
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	25.2537	2.07	0.01	0	0.16	0.16
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	25.5021	2.09	0.01	0	0.16	0.16
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	25.7503	2.11	0.01	0	0.17	0.17
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	26.0034	2.13	0.01	0	0.18	0.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	26.2517	2.15	0.01	0	0.19	0.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	26.5017	2.17	0.02	0	0.19	0.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	26.7511	2.19	0.02	0	0.2	0.2
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	27.0004	2.21	0.02	0	0.21	0.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	27.251	2.23	0.02	0	0.22	0.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	27.5001	2.24	0.02	0	0.23	0.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	27.7504	2.26	0.02	0	0.23	0.23
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	28.0006	2.28	0.02	0	0.24	0.24
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	28.2502	2.3	0.02	0	0.25	0.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	28.501	2.32	0.02	0	0.26	0.26
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	28.7504	2.33	0.02	0	0.27	0.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	29.0007	2.35	0.02	0	0.28	0.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	29.2503	2.37	0.02	0	0.28	0.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	29.5004	2.39	0.02	0	0.29	0.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	29.7503	2.4	0.02	0	0.3	0.3
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	30.0002	2.42	0.03	0	0.31	0.31
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	30.2507	2.44	0.03	0	0.32	0.32
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	30.5006	2.45	0.03	0	0.33	0.33
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	30.7503	2.47	0.03	0	0.34	0.34
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	31.001	2.48	0.03	0	0.35	0.35
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	31.2503	2.5	0.03	0	0.36	0.35
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	31.5007	2.52	0.03	0	0.37	0.36
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	31.7506	2.53	0.03	0	0.38	0.37
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	32	2.55	0.03	0	0.39	0.38
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	32.2505	2.56	0.03	0	0.39	0.39
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	32.5002	2.58	0.03	0	0.4	0.4
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	32.7505	2.59	0.04	0	0.41	0.41
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	33.001	2.61	0.04	0	0.42	0.42
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	33.2505	2.62	0.04	0	0.43	0.43
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	33.5006	2.64	0.04	0	0.44	0.44
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	33.7506	2.65	0.04	0	0.45	0.45
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	34.0001	2.67	0.04	0	0.46	0.46
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	34.2505	2.68	0.04	0	0.47	0.47
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	34.5001	2.7	0.04	0	0.48	0.48
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	34.75	2.71	0.04	0	0.49	0.49
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	35.0006	2.73	0.04	0	0.5	0.5
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	35.2502	2.74	0.04	0	0.51	0.51
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	35.5004	2.75	0.05	0	0.52	0.52
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	35.7501	2.77	0.05	0	0.53	0.53
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	36.0011	2.78	0.05	0	0.54	0.54
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	36.2507	2.79	0.05	0	0.55	0.55
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	36.5007	2.81	0.05	0	0.56	0.56
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	36.7503	2.82	0.05	0	0.57	0.57
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	37.0009	2.83	0.05	0	0.58	0.58
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	37.2508	2.85	0.05	0	0.59	0.59
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	37.5017	2.86	0.05	0	0.6	0.6
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	37.7508	2.87	0.05	0	0.61	0.61
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	38.0006	2.88	0.06	0	0.62	0.62
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	38.2512	2.9	0.06	0	0.63	0.63
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	38.5011	2.91	0.06	0	0.64	0.63
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	38.7502	2.92	0.06	0	0.65	0.64
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	39.0013	2.93	0.06	0	0.66	0.65
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	39.2504	2.95	0.06	0	0.67	0.66
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	39.5007	2.96	0.06	0	0.68	0.67

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow Volume [ac_ft]	Basin Outflow Volume [ac_ft]	Total Inflow Volume [ac_ft]	Total Outflow Volume [ac_ft]
			[hrs]	Stage [ft]				
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	39.7503	2.97	0.06	0	0.68	0.68
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	40.0009	2.98	0.06	0	0.69	0.69
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	40.2509	2.99	0.07	0	0.7	0.7
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	40.5016	3.01	0.07	0	0.71	0.71
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	40.7516	3.02	0.07	0	0.72	0.72
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	41.0002	3.03	0.07	0	0.73	0.73
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	41.2519	3.04	0.07	0	0.74	0.74
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	41.5003	3.05	0.07	0	0.75	0.74
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	41.7501	3.06	0.07	0	0.76	0.75
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	42.0004	3.07	0.07	0	0.77	0.76
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	42.2528	3.08	0.07	0	0.78	0.77
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	42.5004	3.1	0.08	0	0.78	0.78
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	42.7521	3.11	0.08	0	0.79	0.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	43	3.12	0.08	0	0.8	0.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	43.253	3.13	0.08	0	0.81	0.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	43.5014	3.14	0.08	0	0.82	0.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	43.751	3.15	0.08	0	0.83	0.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	44.0051	3.16	0.08	0	0.83	0.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	44.2517	3.17	0.08	0	0.84	0.84
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	44.5032	3.18	0.09	0	0.85	0.84
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	44.7503	3.19	0.09	0	0.86	0.85
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	45.0021	3.2	0.09	0	0.87	0.86
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	45.2568	3.21	0.09	0	0.88	0.87
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	45.5106	3.22	0.09	0	0.88	0.88
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	45.752	3.23	0.09	0	0.89	0.88
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	46.0037	3.24	0.09	0	0.9	0.89
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	46.259	3.25	0.09	0	0.91	0.9
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	46.5127	3.26	0.1	0	0.91	0.91
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	46.7514	3.27	0.1	0	0.92	0.91
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	47.0046	3.28	0.1	0	0.93	0.92
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	47.2548	3.29	0.1	0	0.94	0.93
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	47.51	3.3	0.1	0	0.95	0.94
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	47.7524	3.31	0.1	0	0.95	0.94
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	48.0053	3.32	0.1	0	0.96	0.95
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	48.257	3.33	0.1	0	0.97	0.96
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	48.5059	3.34	0.11	0	0.98	0.96
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	48.754	3.35	0.11	0	0.98	0.97
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	49.0091	3.36	0.11	0	0.99	0.98
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	49.2501	3.36	0.11	0	1	0.99
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	49.5079	3.38	0.11	0	1.01	0.99
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	49.7515	3.38	0.11	0	1.01	1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	50.0058	3.39	0.11	0	1.02	1.01
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	50.2563	3.4	0.12	0	1.03	1.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	50.5041	3.42	0.12	0	1.04	1.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	50.7564	3.43	0.12	0	1.05	1.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	51.0097	3.44	0.12	0	1.05	1.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	51.2504	3.45	0.12	0	1.06	1.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	51.5069	3.46	0.12	0	1.07	1.06
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	51.7533	3.47	0.13	0	1.08	1.07
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	52.0033	3.48	0.13	0	1.09	1.07
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	52.2533	3.5	0.13	0	1.1	1.08
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	52.5033	3.51	0.13	0	1.11	1.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	52.7633	3.53	0.13	0	1.12	1.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	53.0016	3.54	0.14	0	1.13	1.11
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	53.2566	3.56	0.14	0	1.14	1.12
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	53.5009	3.57	0.14	0	1.15	1.13
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	53.7584	3.59	0.14	0	1.17	1.15
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	54.0026	3.61	0.15	0	1.18	1.16
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	54.2611	3.63	0.15	0	1.19	1.17
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	54.5105	3.65	0.15	0	1.21	1.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	54.7529	3.67	0.16	0	1.22	1.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	55.0046	3.69	0.16	0	1.24	1.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	55.2565	3.71	0.17	0	1.25	1.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	55.505	3.73	0.17	0	1.27	1.24
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	55.7554	3.76	0.17	0	1.29	1.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	56.004	3.78	0.18	0	1.3	1.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	56.2522	3.8	0.18	0	1.32	1.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	56.5021	3.82	0.19	0	1.34	1.3
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	56.7509	3.85	0.19	0	1.36	1.32
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	57.0035	3.88	0.2	0	1.38	1.33
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	57.2502	3.9	0.2	0	1.4	1.35
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	57.5017	3.93	0.21	0	1.42	1.37
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	57.751	3.95	0.22	0	1.44	1.39
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	58	3.97	0.22	0	1.47	1.41
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	58.2515	3.99	0.23	0	1.5	1.44
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	58.5034	4.02	0.24	0	1.51	1.45
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	58.7505	4.05	0.25	0	1.52	1.46

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow	Basin Outflow	Total Inflow	Total Outflow
			[hrs]	Stage [ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	59.0005	4.08	0.25	0	1.54	1.47
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	59.2509	4.12	0.26	0	1.55	1.48
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	59.5004	4.17	0.28	0	1.57	1.49
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	59.7508	4.23	0.3	0	1.61	1.52
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	60	4.37	0.35	0	1.69	1.58
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	60.2503	4.56	0.43	0	1.77	1.63
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	60.5008	4.72	0.49	0	1.84	1.66
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	60.7517	4.86	0.54	0	1.89	1.68
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	61.0015	4.97	0.57	0	1.93	1.69
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	61.2517	5.06	0.6	0	1.96	1.7
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	61.5035	5.13	0.63	0	1.99	1.71
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	61.7521	5.18	0.65	0	2.01	1.72
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	62.0031	5.22	0.66	0	2.04	1.73
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	62.2501	5.26	0.67	0	2.06	1.74
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	62.5002	5.29	0.68	0	2.08	1.75
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	62.7536	5.31	0.69	0	2.09	1.76
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	63.0023	5.33	0.7	0	2.1	1.77
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	63.2502	5.35	0.7	0	2.12	1.77
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	63.5032	5.37	0.71	0	2.13	1.78
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	63.753	5.38	0.72	0	2.13	1.78
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	64.003	5.4	0.72	0	2.14	1.78
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	64.252	5.41	0.73	0	2.15	1.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	64.5003	5.42	0.73	0	2.15	1.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	64.7545	5.43	0.74	0	2.16	1.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	65.001	5.44	0.74	0	2.16	1.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	65.2522	5.45	0.75	0	2.17	1.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	65.5087	5.46	0.75	0	2.17	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	65.7545	5.47	0.75	0	2.18	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	66.0061	5.48	0.76	0	2.18	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	66.2561	5.48	0.76	0	2.18	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	66.5061	5.49	0.76	0	2.19	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	66.7561	5.5	0.77	0	2.19	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	67.0061	5.5	0.77	0	2.19	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	67.2561	5.51	0.77	0	2.2	1.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	67.5061	5.52	0.78	0	2.2	1.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	67.7561	5.53	0.78	0	2.21	1.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	68.0061	5.53	0.78	0	2.21	1.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	68.2561	5.54	0.79	0	2.21	1.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	68.5128	5.55	0.79	0	2.22	1.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	68.7561	5.55	0.79	0	2.22	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	69.0061	5.56	0.8	0	2.22	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	69.2561	5.56	0.8	0	2.22	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	69.5061	5.57	0.8	0	2.23	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	69.7561	5.57	0.8	0	2.23	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	70.0061	5.58	0.81	0	2.23	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	70.2561	5.58	0.81	0	2.23	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	70.5061	5.59	0.81	0	2.24	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	70.7561	5.59	0.81	0	2.24	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	71.0061	5.6	0.82	0	2.24	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	71.2561	5.6	0.82	0	2.24	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	71.5061	5.61	0.82	0	2.25	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	71.7561	5.61	0.82	0	2.25	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	72.0061	5.62	0.83	0	2.25	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	72.2561	5.62	0.83	0	2.25	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	72.5061	5.62	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	72.7561	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	73.0061	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	73.2561	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	73.5061	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	73.7561	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	74.0061	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	74.2561	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	74.5061	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	74.7561	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	75.0061	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	75.2561	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	75.5061	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	75.7561	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	76.0061	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	76.2561	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	76.5061	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	76.7561	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	77.0061	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	77.2561	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	77.5061	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	77.7561	5.63	0.83	0	2.26	1.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3A	78.0061	5.63	0.83	0	2.26	1.83

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MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow	Basin Outflow	Total Inflow	Total Outflow
			[hrs]	Stage [ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	16.0003	1.43	0	0	0.07	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	16.2519	1.45	0.01	0	0.07	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	16.5006	1.46	0.01	0	0.08	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	16.7516	1.48	0.01	0	0.08	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	17.0003	1.5	0.01	0	0.08	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	17.2557	1.52	0.01	0	0.09	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	17.503	1.54	0.01	0	0.09	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	17.7501	1.56	0.01	0	0.09	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	18.0037	1.58	0.01	0	0.1	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	18.2521	1.59	0.01	0	0.1	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	18.5022	1.61	0.01	0	0.1	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	18.7512	1.63	0.01	0	0.11	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	19.0004	1.65	0.02	0	0.11	0.02
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	19.2503	1.66	0.02	0	0.12	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	19.5027	1.68	0.02	0	0.12	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	19.7533	1.7	0.02	0	0.13	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	20.0023	1.71	0.02	0	0.13	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	20.2539	1.73	0.02	0	0.14	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	20.5009	1.75	0.02	0	0.14	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	20.7501	1.76	0.03	0	0.15	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	21.0019	1.78	0.03	0	0.15	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	21.2556	1.8	0.03	0	0.16	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	21.5013	1.81	0.03	0	0.16	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	21.753	1.83	0.03	0	0.17	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	22.0013	1.85	0.03	0	0.17	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	22.2514	1.86	0.04	0	0.18	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	22.5026	1.88	0.04	0	0.18	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	22.7544	1.89	0.04	0	0.19	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	23.0011	1.91	0.04	0	0.2	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	23.2518	1.93	0.04	0	0.2	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	23.5014	1.94	0.05	0	0.21	0.06
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	23.7508	1.96	0.05	0	0.21	0.06
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	24.0001	1.97	0.05	0	0.22	0.06
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	24.2509	1.99	0.05	0	0.23	0.06
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	24.5029	2	0.05	0	0.24	0.07
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	24.7536	2.02	0.06	0	0.24	0.07
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	25.0006	2.04	0.06	0	0.25	0.08
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	25.2537	2.06	0.06	0	0.26	0.08
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	25.5021	2.08	0.06	0	0.27	0.08
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	25.7503	2.1	0.07	0	0.28	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	26.0034	2.12	0.07	0	0.29	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	26.2517	2.14	0.07	0	0.3	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	26.5017	2.16	0.08	0	0.31	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	26.7511	2.18	0.08	0	0.33	0.11
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	27.0004	2.2	0.08	0	0.34	0.11
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	27.251	2.22	0.09	0	0.35	0.11
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	27.5001	2.23	0.09	0	0.36	0.12
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	27.7504	2.25	0.1	0	0.37	0.12
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	28.0006	2.27	0.1	0	0.39	0.13
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	28.2502	2.29	0.1	0	0.4	0.13
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	28.501	2.31	0.11	0	0.41	0.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	28.7504	2.32	0.11	0	0.42	0.14
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	29.0007	2.34	0.12	0	0.44	0.15
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	29.2503	2.36	0.12	0	0.45	0.15
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	29.5004	2.37	0.12	0	0.46	0.16
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	29.7503	2.39	0.13	0	0.47	0.16
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	30.0002	2.41	0.13	0	0.49	0.16
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	30.2507	2.42	0.14	0	0.5	0.17
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	30.5006	2.44	0.14	0	0.51	0.17
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	30.7503	2.46	0.15	0	0.53	0.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	31.001	2.47	0.15	0	0.54	0.18
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	31.2503	2.49	0.16	0	0.56	0.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	31.5007	2.5	0.16	0	0.57	0.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	31.7506	2.52	0.17	0	0.58	0.2
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	32	2.54	0.17	0	0.6	0.2
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	32.2505	2.55	0.18	0	0.61	0.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	32.5002	2.57	0.18	0	0.63	0.21
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	32.7505	2.58	0.18	0	0.64	0.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	33.001	2.6	0.19	0	0.66	0.22
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	33.2505	2.61	0.19	0	0.67	0.23
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	33.5006	2.63	0.2	0	0.69	0.23
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	33.7506	2.64	0.21	0	0.7	0.24
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	34.0001	2.65	0.21	0	0.72	0.24
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	34.2505	2.67	0.22	0	0.73	0.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	34.5001	2.68	0.22	0	0.75	0.25
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	34.75	2.7	0.23	0	0.76	0.26
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	35.0006	2.71	0.23	0	0.78	0.26

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow Volume [ac_ft]	Basin Outflow Volume [ac_ft]	Total Inflow Volume [ac_ft]	Total Outflow Volume [ac_ft]
			[hrs]	Stage [ft]				
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	35.2502	2.73	0.24	0	0.79	0.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	35.5004	2.74	0.24	0	0.81	0.27
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	35.7501	2.75	0.25	0	0.82	0.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	36.0011	2.77	0.25	0	0.84	0.28
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	36.2507	2.78	0.26	0	0.85	0.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	36.5007	2.79	0.26	0	0.87	0.29
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	36.7503	2.81	0.27	0	0.88	0.3
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	37.0009	2.82	0.28	0	0.9	0.3
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	37.2508	2.83	0.28	0	0.91	0.31
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	37.5017	2.85	0.29	0	0.93	0.31
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	37.7508	2.86	0.29	0	0.94	0.32
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	38.0006	2.87	0.3	0	0.96	0.32
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	38.2512	2.88	0.3	0	0.98	0.33
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	38.5011	2.9	0.31	0	0.99	0.33
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	38.7502	2.91	0.32	0	1.01	0.34
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	39.0013	2.92	0.32	0	1.02	0.34
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	39.2504	2.93	0.33	0	1.04	0.35
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	39.5007	2.95	0.33	0	1.05	0.35
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	39.7503	2.96	0.34	0	1.07	0.36
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	40.0009	2.97	0.35	0	1.08	0.36
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	40.2509	2.98	0.35	0	1.1	0.37
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	40.5016	2.99	0.36	0	1.11	0.37
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	40.7516	3.01	0.37	0	1.13	0.38
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	41.0002	3.02	0.37	0	1.14	0.38
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	41.2519	3.03	0.38	0	1.16	0.39
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	41.5003	3.04	0.38	0	1.17	0.39
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	41.7501	3.05	0.39	0	1.19	0.4
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	42.0004	3.06	0.4	0	1.2	0.4
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	42.2528	3.07	0.4	0	1.22	0.41
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	42.5004	3.09	0.41	0	1.23	0.41
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	42.7521	3.1	0.42	0	1.25	0.42
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	43	3.11	0.42	0	1.26	0.42
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	43.253	3.12	0.43	0	1.28	0.42
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	43.5014	3.13	0.44	0	1.29	0.43
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	43.751	3.14	0.44	0	1.31	0.43
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	44.0051	3.15	0.45	0	1.32	0.44
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	44.2517	3.16	0.46	0	1.34	0.44
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	44.5032	3.17	0.46	0	1.35	0.45
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	44.7503	3.18	0.47	0	1.37	0.45
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	45.0021	3.19	0.48	0	1.38	0.46
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	45.2568	3.2	0.48	0	1.4	0.46
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	45.5106	3.21	0.49	0	1.41	0.46
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	45.752	3.22	0.5	0	1.43	0.47
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	46.0037	3.23	0.5	0	1.44	0.47
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	46.259	3.24	0.51	0	1.45	0.48
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	46.5127	3.25	0.52	0	1.47	0.48
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	46.7514	3.26	0.52	0	1.48	0.49
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	47.0046	3.27	0.53	0	1.5	0.49
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	47.2548	3.28	0.54	0	1.51	0.49
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	47.51	3.29	0.54	0	1.53	0.5
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	47.7524	3.3	0.55	0	1.54	0.5
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	48.0053	3.31	0.56	0	1.55	0.51
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	48.257	3.32	0.57	0	1.57	0.51
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	48.5059	3.33	0.57	0	1.58	0.51
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	48.754	3.34	0.58	0	1.6	0.52
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	49.0091	3.35	0.59	0	1.61	0.52
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	49.2501	3.36	0.59	0	1.63	0.53
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	49.5079	3.37	0.6	0	1.64	0.53
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	49.7515	3.38	0.61	0	1.66	0.53
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	50.0058	3.39	0.62	0	1.67	0.54
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	50.2563	3.4	0.63	0	1.69	0.54
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	50.5041	3.41	0.63	0	1.71	0.55
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	50.7564	3.42	0.64	0	1.72	0.55
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	51.0097	3.43	0.65	0	1.74	0.56
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	51.2504	3.44	0.66	0	1.76	0.56
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	51.5069	3.45	0.67	0	1.77	0.57
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	51.7533	3.46	0.68	0	1.79	0.57
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	52.0033	3.47	0.69	0	1.81	0.58
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	52.2533	3.49	0.7	0	1.83	0.58
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	52.5033	3.5	0.71	0	1.85	0.59
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	52.7633	3.51	0.73	0	1.87	0.59
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	53.0016	3.52	0.74	0	1.9	0.6
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	53.2566	3.54	0.75	0	1.92	0.6
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	53.5009	3.55	0.76	0	1.94	0.61
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	53.7584	3.57	0.78	0	1.97	0.62
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	54.0026	3.59	0.79	0	2	0.62
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	54.2611	3.6	0.81	0	2.03	0.63

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow	Basin Outflow	Total Inflow	Total Outflow
			[hrs]	Stage [ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	54.5105	3.62	0.83	0	2.06	0.64
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	54.7529	3.64	0.85	0	2.09	0.65
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	55.0046	3.66	0.87	0	2.12	0.66
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	55.2565	3.68	0.89	0	2.16	0.67
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	55.505	3.7	0.91	0	2.19	0.67
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	55.7554	3.72	0.93	0	2.23	0.68
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	56.004	3.74	0.95	0	2.27	0.69
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	56.2522	3.76	0.98	0	2.31	0.7
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	56.5021	3.79	1	0	2.35	0.71
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	56.7509	3.81	1.03	0	2.39	0.72
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	57.0035	3.84	1.06	0	2.44	0.74
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	57.2502	3.86	1.09	0	2.48	0.75
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	57.5017	3.89	1.12	0	2.53	0.76
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	57.751	3.92	1.15	0	2.59	0.77
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	58	3.95	1.18	0	2.66	0.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	58.2515	3.99	1.22	0	2.74	0.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	58.5034	4.02	1.26	0	2.8	0.83
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	58.7505	4.05	1.3	0	2.87	0.85
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	59.0005	4.08	1.34	0	2.94	0.87
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	59.2509	4.12	1.39	0	3.02	0.89
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	59.5004	4.16	1.45	0	3.11	0.91
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	59.7508	4.23	1.53	0	3.26	0.95
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	60	4.37	1.69	0	3.6	1.06
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	60.2503	4.55	1.98	0	4.06	1.19
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	60.5008	4.72	2.29	0	4.43	1.26
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	60.7517	4.86	2.57	0	4.78	1.32
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	61.0015	4.97	2.8	0	5.07	1.38
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	61.2517	5.06	3	0	5.3	1.42
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	61.5035	5.13	3.16	0	5.48	1.44
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	61.7521	5.18	3.3	0	5.62	1.48
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	62.0031	5.23	3.43	0	5.75	1.51
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	62.2501	5.26	3.53	0	5.87	1.55
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	62.5002	5.29	3.63	0	5.97	1.59
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	62.7536	5.31	3.71	0	6.07	1.62
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	63.0023	5.34	3.78	0	6.14	1.65
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	63.2502	5.35	3.84	0	6.21	1.67
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	63.5032	5.37	3.89	0	6.26	1.69
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	63.753	5.39	3.94	0	6.31	1.7
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	64.003	5.4	3.98	0	6.35	1.71
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	64.252	5.41	4.01	0	6.38	1.72
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	64.5003	5.42	4.05	0	6.42	1.72
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	64.7545	5.43	4.08	0	6.45	1.73
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	65.001	5.44	4.1	0	6.47	1.73
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	65.2522	5.45	4.13	0	6.5	1.74
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	65.5087	5.46	4.15	0	6.52	1.74
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	65.7545	5.47	4.18	0	6.55	1.74
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	66.0061	5.48	4.2	0	6.57	1.75
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	66.2561	5.48	4.22	0	6.59	1.75
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	66.5061	5.49	4.24	0	6.61	1.75
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	66.7561	5.5	4.26	0	6.63	1.76
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	67.0061	5.5	4.28	0	6.65	1.76
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	67.2561	5.51	4.3	0	6.67	1.76
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	67.5061	5.52	4.32	0	6.69	1.77
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	67.7561	5.53	4.34	0	6.71	1.77
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	68.0061	5.53	4.36	0	6.73	1.77
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	68.2561	5.54	4.38	0	6.75	1.77
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	68.5128	5.55	4.4	0	6.77	1.78
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	68.7561	5.55	4.42	0	6.79	1.78
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	69.0061	5.56	4.43	0	6.8	1.78
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	69.2561	5.56	4.45	0	6.82	1.78
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	69.5061	5.57	4.46	0	6.83	1.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	69.7561	5.57	4.48	0	6.85	1.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	70.0061	5.58	4.49	0	6.86	1.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	70.2561	5.58	4.51	0	6.88	1.79
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	70.5061	5.59	4.52	0	6.89	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	70.7561	5.59	4.53	0	6.9	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	71.0061	5.6	4.55	0	6.92	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	71.2561	5.6	4.56	0	6.93	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	71.5061	5.61	4.57	0	6.94	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	71.7561	5.61	4.59	0	6.96	1.8
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	72.0061	5.62	4.6	0	6.97	1.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	72.2561	5.62	4.61	0	6.98	1.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	72.5061	5.62	4.62	0	7	1.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	72.7561	5.63	4.63	0	7	1.81
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	73.0061	5.63	4.64	0	7.01	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	73.2561	5.63	4.64	0	7.02	1.82
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-3B	73.5061	5.63	4.65	0	7.02	1.82

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MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow Volume [ac_ft]	Basin Outflow Volume [ac_ft]	Total Inflow Volume [ac_ft]	Total Outflow Volume [ac_ft]
			[hrs]	Stage [ft]				
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	11.5021	1.13	0.04	0	0.06	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	11.7538	1.15	0.04	0	0.06	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	12.0011	1.16	0.04	0	0.06	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	12.2518	1.18	0.04	0	0.06	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	12.5002	1.19	0.05	0	0.07	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	12.7514	1.21	0.05	0	0.07	0.03
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	13.0045	1.23	0.05	0	0.07	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	13.2573	1.24	0.05	0	0.07	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	13.506	1.26	0.06	0	0.08	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	13.7501	1.27	0.06	0	0.08	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	14.0008	1.29	0.06	0	0.08	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	14.2507	1.31	0.06	0	0.08	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	14.5009	1.32	0.07	0	0.09	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	14.7535	1.34	0.07	0	0.09	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	15.0007	1.36	0.07	0	0.09	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	15.2512	1.38	0.07	0	0.09	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	15.5004	1.39	0.08	0	0.1	0.04
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	15.7541	1.41	0.08	0	0.1	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	16.0003	1.43	0.08	0	0.1	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	16.2519	1.45	0.09	0	0.11	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	16.5006	1.47	0.09	0	0.11	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	16.7516	1.48	0.09	0	0.11	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	17.0003	1.5	0.1	0	0.12	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	17.2557	1.52	0.1	0	0.12	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	17.503	1.54	0.1	0	0.12	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	17.7501	1.56	0.1	0	0.13	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	18.0037	1.58	0.11	0	0.13	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	18.2521	1.59	0.11	0	0.13	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	18.5022	1.61	0.11	0	0.14	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	18.7512	1.63	0.12	0	0.14	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	19.0004	1.65	0.12	0	0.14	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	19.2503	1.66	0.12	0	0.15	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	19.5027	1.68	0.13	0	0.15	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	19.7533	1.7	0.13	0	0.16	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	20.0023	1.71	0.13	0	0.16	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	20.2539	1.73	0.14	0	0.17	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	20.5009	1.75	0.14	0	0.17	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	20.7501	1.76	0.14	0	0.18	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	21.0019	1.78	0.15	0	0.18	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	21.2556	1.8	0.15	0	0.19	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	21.5013	1.81	0.15	0	0.19	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	21.753	1.83	0.16	0	0.2	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	22.0013	1.84	0.16	0	0.2	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	22.2514	1.86	0.16	0	0.21	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	22.5026	1.88	0.17	0	0.21	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	22.7544	1.89	0.17	0	0.22	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	23.0011	1.91	0.17	0	0.23	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	23.2518	1.92	0.18	0	0.23	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	23.5014	1.94	0.18	0	0.24	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	23.7508	1.95	0.18	0	0.24	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	24.0001	1.97	0.19	0	0.25	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	24.2509	1.99	0.19	0	0.26	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	24.5029	2	0.2	0	0.26	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	24.7536	2.02	0.2	0	0.27	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	25.0006	2.04	0.2	0	0.28	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	25.2537	2.06	0.21	0	0.29	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	25.5021	2.08	0.21	0	0.3	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	25.7503	2.1	0.22	0	0.31	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	26.0034	2.12	0.22	0	0.32	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	26.2517	2.14	0.23	0	0.32	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	26.5017	2.16	0.23	0	0.33	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	26.7511	2.18	0.24	0	0.34	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	27.0004	2.19	0.24	0	0.35	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	27.251	2.21	0.25	0	0.36	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	27.5001	2.23	0.25	0	0.37	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	27.7504	2.25	0.26	0	0.38	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	28.0006	2.27	0.27	0	0.39	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	28.2502	2.29	0.27	0	0.4	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	28.501	2.3	0.28	0	0.41	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	28.7504	2.32	0.28	0	0.42	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	29.0007	2.34	0.29	0	0.43	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	29.2503	2.36	0.29	0	0.44	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	29.5004	2.37	0.3	0	0.45	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	29.7503	2.39	0.3	0	0.46	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	30.0002	2.41	0.31	0	0.47	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	30.2507	2.42	0.31	0	0.48	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	30.5006	2.44	0.32	0	0.49	0.05

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow	Basin Outflow	Total Inflow	Total Outflow
			[hrs]	Stage [ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	30.7503	2.45	0.33	0	0.5	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	31.001	2.47	0.33	0	0.52	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	31.2503	2.49	0.34	0	0.53	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	31.5007	2.5	0.34	0	0.54	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	31.7506	2.52	0.35	0	0.55	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	32	2.53	0.35	0	0.56	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	32.2505	2.55	0.36	0	0.57	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	32.5002	2.56	0.37	0	0.58	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	32.7505	2.58	0.37	0	0.59	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	33.001	2.59	0.38	0	0.6	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	33.2505	2.61	0.38	0	0.61	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	33.5006	2.62	0.39	0	0.62	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	33.7506	2.64	0.4	0	0.63	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	34.0001	2.65	0.4	0	0.64	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	34.2505	2.67	0.41	0	0.65	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	34.5001	2.68	0.41	0	0.67	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	34.75	2.69	0.42	0	0.68	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	35.0006	2.71	0.42	0	0.69	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	35.2502	2.72	0.43	0	0.7	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	35.5004	2.74	0.44	0	0.71	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	35.7501	2.75	0.44	0	0.72	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	36.0011	2.76	0.45	0	0.73	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	36.2507	2.78	0.45	0	0.74	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	36.5007	2.79	0.46	0	0.75	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	36.7503	2.8	0.47	0	0.76	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	37.0009	2.82	0.47	0	0.78	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	37.2508	2.83	0.48	0	0.79	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	37.5017	2.84	0.48	0	0.8	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	37.7508	2.86	0.49	0	0.81	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	38.0006	2.87	0.5	0	0.82	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	38.2512	2.88	0.5	0	0.83	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	38.5011	2.89	0.51	0	0.84	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	38.7502	2.91	0.51	0	0.85	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	39.0013	2.92	0.52	0	0.86	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	39.2504	2.93	0.53	0	0.87	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	39.5007	2.94	0.53	0	0.89	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	39.7503	2.96	0.54	0	0.9	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	40.0009	2.97	0.54	0	0.91	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	40.2509	2.98	0.55	0	0.92	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	40.5016	2.99	0.56	0	0.93	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	40.7516	3	0.56	0	0.94	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	41.0002	3.02	0.57	0	0.95	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	41.2519	3.03	0.57	0	0.96	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	41.5003	3.04	0.58	0	0.97	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	41.7501	3.05	0.59	0	0.98	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	42.0004	3.06	0.59	0	0.99	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	42.2528	3.07	0.6	0	1.01	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	42.5004	3.08	0.6	0	1.02	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	42.7521	3.09	0.61	0	1.03	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	43	3.11	0.62	0	1.04	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	43.253	3.12	0.62	0	1.05	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	43.5014	3.13	0.63	0	1.06	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	43.751	3.14	0.64	0	1.07	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	44.0051	3.15	0.64	0	1.08	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	44.2517	3.16	0.65	0	1.09	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	44.5032	3.17	0.65	0	1.1	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	44.7503	3.18	0.66	0	1.11	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	45.0021	3.19	0.67	0	1.12	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	45.2568	3.2	0.67	0	1.13	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	45.5106	3.21	0.68	0	1.14	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	45.752	3.22	0.69	0	1.15	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	46.0037	3.23	0.69	0	1.16	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	46.259	3.24	0.7	0	1.17	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	46.5127	3.25	0.7	0	1.19	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	46.7514	3.26	0.71	0	1.2	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	47.0046	3.27	0.72	0	1.21	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	47.2548	3.28	0.72	0	1.22	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	47.51	3.29	0.73	0	1.23	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	47.7524	3.3	0.73	0	1.24	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	48.0053	3.31	0.74	0	1.25	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	48.257	3.32	0.75	0	1.26	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	48.5059	3.33	0.75	0	1.27	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	48.754	3.34	0.76	0	1.28	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	49.0091	3.35	0.77	0	1.29	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	49.2501	3.36	0.77	0	1.3	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	49.5079	3.37	0.78	0	1.31	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	49.7515	3.38	0.79	0	1.32	0.05

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow	Basin Outflow	Total Inflow	Total Outflow
			[hrs]	Stage [ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]	Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	50.0058	3.39	0.79	0	1.33	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	50.2563	3.4	0.8	0	1.34	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	50.5041	3.41	0.81	0	1.36	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	50.7564	3.42	0.82	0	1.37	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	51.0097	3.43	0.82	0	1.38	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	51.2504	3.44	0.83	0	1.39	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	51.5069	3.45	0.84	0	1.41	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	51.7533	3.46	0.85	0	1.42	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	52.0033	3.47	0.86	0	1.43	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	52.2533	3.48	0.87	0	1.45	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	52.5033	3.5	0.87	0	1.46	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	52.7633	3.51	0.88	0	1.48	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	53.0016	3.52	0.89	0	1.49	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	53.2566	3.54	0.91	0	1.51	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	53.5009	3.55	0.92	0	1.53	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	53.7584	3.57	0.93	0	1.55	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	54.0026	3.58	0.94	0	1.57	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	54.2611	3.6	0.96	0	1.59	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	54.5105	3.62	0.97	0	1.61	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	54.7529	3.64	0.98	0	1.63	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	55.0046	3.66	1	0	1.66	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	55.2565	3.68	1.02	0	1.68	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	55.505	3.7	1.03	0	1.71	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	55.7554	3.72	1.05	0	1.73	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	56.004	3.74	1.07	0	1.76	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	56.2522	3.76	1.09	0	1.79	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	56.5021	3.79	1.11	0	1.82	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	56.7509	3.81	1.13	0	1.85	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	57.0035	3.83	1.15	0	1.89	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	57.2502	3.86	1.17	0	1.92	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	57.5017	3.88	1.2	0	1.96	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	57.751	3.91	1.22	0	2	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	58	3.95	1.25	0	2.04	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	58.2515	3.98	1.28	0	2.09	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	58.5034	4.02	1.3	0	2.14	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	58.7505	4.05	1.33	0	2.19	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	59.0005	4.08	1.37	0	2.24	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	59.2509	4.12	1.4	0	2.29	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	59.5004	4.16	1.45	0	2.36	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	59.7508	4.23	1.5	0	2.46	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	60	4.37	1.61	0	2.67	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	60.2503	4.55	1.8	0	2.98	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	60.5008	4.72	2.01	0	3.27	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	60.7517	4.86	2.21	0	3.53	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	61.0015	4.97	2.37	0	3.75	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	61.2517	5.06	2.51	0	3.93	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	61.5035	5.13	2.63	0	4.07	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	61.7521	5.18	2.73	0	4.17	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	62.0031	5.23	2.81	0	4.26	0.05
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	62.2501	5.26	2.89	0	4.34	0.06
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	62.5002	5.29	2.96	0	4.41	0.06
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	62.7536	5.32	3.02	0	4.47	0.07
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	63.0023	5.34	3.07	0	4.52	0.08
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	63.2502	5.35	3.12	0	4.56	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	63.5032	5.37	3.16	0	4.6	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	63.753	5.39	3.19	0	4.64	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	64.003	5.4	3.22	0	4.67	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	64.252	5.41	3.25	0	4.69	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	64.5003	5.42	3.27	0	4.72	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	64.7545	5.43	3.29	0	4.74	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	65.001	5.44	3.31	0	4.76	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	65.2522	5.45	3.33	0	4.78	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	65.5087	5.46	3.35	0	4.8	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	65.7545	5.47	3.36	0	4.81	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	66.0061	5.48	3.38	0	4.83	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	66.2561	5.48	3.39	0	4.85	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	66.5061	5.49	3.4	0	4.86	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	66.7561	5.5	3.42	0	4.88	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	67.0061	5.5	3.43	0	4.89	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	67.2561	5.51	3.45	0	4.91	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	67.5061	5.52	3.46	0	4.92	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	67.7561	5.53	3.47	0	4.94	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	68.0061	5.53	3.49	0	4.96	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	68.2561	5.54	3.5	0	4.97	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	68.5128	5.55	3.51	0	4.99	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	68.7561	5.55	3.52	0	5	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	69.0061	5.56	3.54	0	5.01	0.09

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Basin Inflow Volume [ac. ft]	Basin Outflow Volume [ac. ft]	Total Inflow Volume [ac. ft]	Total Outflow Volume [ac. ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	69.2561	5.56	3.55	0	5.02	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	69.5061	5.57	3.56	0	5.03	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	69.7561	5.57	3.57	0	5.05	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	70.0061	5.58	3.58	0	5.06	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	70.2561	5.58	3.59	0	5.07	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	70.5061	5.59	3.59	0	5.08	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	70.7561	5.59	3.6	0	5.09	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	71.0061	5.6	3.61	0	5.1	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	71.2561	5.6	3.62	0	5.11	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	71.5061	5.61	3.63	0	5.12	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	71.7561	5.61	3.64	0	5.13	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	72.0061	5.62	3.65	0	5.14	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	72.2561	5.62	3.66	0	5.15	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	72.5061	5.62	3.67	0	5.16	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	72.7561	5.63	3.67	0	5.16	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	73.0061	5.63	3.68	0	5.17	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	73.2561	5.63	3.68	0	5.17	0.09
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	73.5061	5.63	3.68	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	73.7561	5.63	3.68	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	74.0061	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	74.2561	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	74.5061	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	74.7561	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	75.0061	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	75.2561	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	75.5061	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	75.7561	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	76.0061	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	76.2561	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	76.5061	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	76.7561	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	77.0061	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	77.2561	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	77.5061	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	77.7561	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	78.0061	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	78.2561	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	78.5061	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	78.7561	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	Node-B-4	79.0061	5.63	3.69	0	5.18	0.1
Exist. 100Y-3D Zero Discharge								

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Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Basin Inflow Volume [ac. ft]	Basin Outflow Volume [ac. ft]	Total Inflow Volume [ac. ft]	Total Outflow Volume [ac. ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	2.5086	0.52	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	2.7586	0.52	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	3.0086	0.53	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	3.2586	0.53	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	3.5086	0.53	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	3.7586	0.53	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	4.0086	0.53	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	4.2586	0.54	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	4.5086	0.54	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	4.7586	0.54	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	5.0086	0.54	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	5.2586	0.54	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	5.5086	0.55	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	5.7586	0.55	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	6.0034	0.55	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	6.2512	0.55	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	6.503	0.55	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	6.757	0.56	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	7.0025	0.56	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	7.2512	0.56	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	7.507	0.56	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	7.7546	0.56	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	8.0004	0.57	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	8.251	0.57	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	8.5003	0.57	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	8.7527	0.57	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	9.0046	0.58	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	9.256	0.58	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	9.5063	0.58	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	9.7515	0.58	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	10.0026	0.58	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	10.2514	0.59	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	10.5009	0.59	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	10.7504	0.59	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	11.0003	0.59	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	11.2542	0.59	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	11.5021	0.6	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	11.7538	0.6	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	12.0011	0.6	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	12.2518	0.6	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	12.5002	0.6	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	12.7514	0.61	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	13.0045	0.61	0	0	0</	

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Basin Inflow Volume [ac. ft]	Basin Outflow Volume [ac. ft]	Total Inflow Volume [ac. ft]	Total Outflow Volume [ac. ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	21.753	0.68	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	22.0013	0.68	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	22.2514	0.69	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	22.5026	0.69	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	22.7544	0.69	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	23.0011	0.69	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	23.2518	0.69	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	23.5014	0.7	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	23.7508	0.7	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	24.0001	0.7	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	24.2509	0.7	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	24.5029	0.7	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	24.7536	0.71	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	25.0006	0.71	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	25.2537	0.71	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	25.5021	0.71	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	25.7503	0.71	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	26.0034	0.72	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	26.2517	0.72	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	26.5017	0.72	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	26.7511	0.72	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	27.0004	0.73	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	27.251	0.73	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	27.5001	0.73	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	27.7504	0.73	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	28.0006	0.73	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	28.2502	0.74	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	28.501	0.74	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	28.7504	0.74	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	29.0007	0.74	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	29.2503	0.74	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	29.5004	0.75	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	29.7503	0.75	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	30.0002	0.75	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	30.2507	0.75	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	30.5006	0.75	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	30.7503	0.76	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	31.001	0.76	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	31.2503	0.76	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	31.5007	0.76	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	31.7506	0.76	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	32	0.77	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	32.2505					

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Basin Inflow Volume [ac_ft]	Basin Outflow Volume [ac_ft]	Total Inflow Volume [ac_ft]	Total Outflow Volume [ac_ft]
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	41.0002	0.84	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	41.2519	0.84	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	41.5003	0.85	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	41.7501	0.85	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	42.0004	0.85	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	42.2528	0.85	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	42.5004	0.85	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	42.7521	0.86	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	43	0.86	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	43.253	0.86	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	43.5014	0.86	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	43.751	0.86	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	44.0051	0.87	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	44.2517	0.87	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	44.5032	0.87	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	44.7503	0.87	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	45.0021	0.88	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	45.2568	0.88	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	45.5106	0.88	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	45.752	0.88	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	46.0037	0.88	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	46.259	0.89	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	46.5127	0.89	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	46.7514	0.89	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	47.0046	0.89	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	47.2548	0.89	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	47.51	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	47.7524	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	48.0053	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	48.257	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	48.5059	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	48.754	0.91	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	49.0091	0.91	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	49.2501	0.91	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	49.5079	0.91	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	49.7515	0.91	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	50.0058	0.92	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	50.2563	0.92	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	50.5041	0.92	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	50.7564	0.92	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	51.0097	0.93	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	51.2504	0.93	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	51.5069	0.93</				

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

[illegible]

[illegible]

MC Old Palm City Ripple Stormwater Project -- Existing Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time		Basin Inflow Volume [ac_ft]	Basin Outflow Volume [ac_ft]	Total Inflow Volume [ac_ft]	Total Outflow Volume [ac_ft]
			[hrs]	Stage [ft]				
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	118.0061	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	118.2561	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	118.5061	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	118.7561	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	119.0061	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	119.2561	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	119.5061	0.9	0	0	0	0
Exist. 100Y-3D Zero Discharge	100Y-3D Zero Discharge	TW_100YR	119.7561	0.9	0	0	0	0

Appendix D
Proposed Conditions Drainage Calculations

TIME OF CONCENTRATION WORKSHEET **Technical Release No.55, USDA NRCS**

Project No: 18-003 Proposed Conditions
 Date: 3/16/2018
 Engineer: JLS

SHEET FLOW:

Surface Description (table 3-1)
 Manning's Roughness Coeff., n (table 3-1)
 Flow Length, L (total L<= 300 ft) ft
 Two-yr 24-hr Rainfall, P2 in
 Land Slope, s ft/ft
 $T_t = \frac{0.007 (nL)^{0.8}}{(P2^{0.5})(s^{0.4})}$ hr

B-1A	B-1B	B-2	B-3	B-4A	B-4B
Dense Grass	Dense Grass	Dense Grass	Dense Grass	Dense Grass	Dense Grass
0.24	0.24	0.24	0.24	0.24	0.24
169	132	205	106	300	25
5	5	5	5	5	5
0.012	0.004	0.040	0.008	0.010	0.040
0.361	0.467	0.256	0.288	0.605	0.048

SHALLOW CONCENTRATED FLOW:

Surface Description (paved or unpaved)
 Flow Length, L ft
 Watercourse Slope, s ft/ft
 Average Velocity, V (figure 3-1) ft/s
 $T_t = \frac{L}{3600 * V}$ hr

B-1A	B-1B	B-2	B-3	B-4A	B-4B
Unpaved	Paved	Unpaved	Unpaved	Unpaved	Unpaved
400	335	110	584	450	105
0.0033	0.0066	0.0033	0.0090	0.0080	0.0090
1.17	1.31	1.17	1.93	1.82	1.93
0.095	0.071	0.026	0.084	0.069	0.015

CHANNEL FLOW:

Manning's Roughness Coeff., n ((FDOT DM Table 2.1)
 Cross Sectional Flow Area, a ft^2
 Wetted Perimeter, pw ft
 Hydraulic Radius, r=a/pw ft/ft
 Watercourse Slope, s ft/ft
 Velocity, V ft/s
 Flow Length, L ft
 $T_t = \frac{L}{3600 * V}$ hr

B-1A	B-1B	B-2	B-3	B-4A	B-4B
0.06	0.06	0.06	0.01	0.06	0.01
4.00	9.76	10.00	1.18	4.00	1.18
8.25	6.95	10.12	4.71	8.25	4.71
0.48	1.40	0.99	0.25	0.48	0.25
0.002	0.004	0.005	0.002	0.005	0.002
0.594	1.970	1.742	1.908	1.084	1.908
0	100	265	285	0	390
0.000	0.014	0.042	0.041	0.000	0.057

Total Tc hr
 Total Tc min

B-1A	B-1B	B-2	B-3	B-4A	B-4B
0.456	0.552	0.325	0.413	0.673	0.119
27	33	19	25	40	7

Old Palm City Ripple Stormwater Landuse Summary						
Proposed Conditions						
Basin Name	Total Basin Area (Ac.)	Buildings (Ac.)	Impervious Area (Ac.)	Pervious Area (Ac)	Lake Area (Ac)	Water Quality Volume Provided (ac-ft)
B-1A	3.16	0.35	0.31	2.49	0.00	0.53
B-1B	1.34	0.20	0.45	0.69	0.00	0.03
B-2	5.49	0.94	0.97	3.58	0.00	0.55
B-3	7.15	1.11	1.13	4.65	0.25	0.52
B-4A	2.44	0.34	0.69	1.40	0.00	
B-4B	0.69	0.05	0.18	0.45	0.00	0.07
	20.26					
Totals	20.26	3.00	3.74	13.28	0.25	1.69

Inches WQ Treatment Provided over Whole Drainage Basin = 1.00

Post-Development Land Use Calculations -- Basin B-1A
Martin County Old Palm City Ripple Stormwater

Project Name: **Old Palm City Ripple Stormwater Project**
 Project #: **18-003**
 Engineer: **JLS**
 Date: **6/13/2019**

Engineer:
 Revision Date:

Computation Type: Land Use & Stage-Storage

Average Ground Elevation (EL_{grnd}) = **4.76** **ft NAVD** (Per Civil Plans)
 Control Elevation (CE) = **2.10** **ft NAVD** (Per adjacent SFWMD Permit)

Site Land Use	Within Project Area						Outside Project Area but Within Drainage Area				Total Drainage Area
	Wetland area within trail extents	Interior slope from wetland area up to trail	Trail Area	Exterior slope between trail and existing ground	Green Space within project area	Total w/in Project Area	Buildings	Impervious Area	Green Space	Total out Project Area	
	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	
Percentage of Total-Site	9.1%	2.6%	4.2%	1.2%	13.8%		11.2%	5.7%	52.2%		
Total Areas (A _t)	0.29	0.08	0.13	0.04	0.44	0.98	0.35	0.18	1.65	2.18	3.16
Bldg. %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	16.18%	11.19%
Bldg. Area (A _r)	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.35	0.35
Pervious %	100.00%	100.00%	0.00%	100.00%	100.00%	86.53%	0.00%	0.00%	100.00%	75.51%	78.91%
Pervious Area (A _p)	0.29	0.08	0.00	0.04	0.44	0.84	0.00	0.00	1.65	1.65	2.49
Impervious %	0.00%	0.00%	100.00%	0.00%	0.00%	13.47%	0.00%	100.00%	0.00%	8.31%	9.90%
Impervious Area (A _i)	0.00	0.00	0.13	0.00	0.00	0.13	0.00	0.18	0.00	0.18	0.31
Lake %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Lake Area (A _c)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CURVE NUMBER CALCULATION- SUB BASIN 1A

Project No.: **18-003**
Engineer: **JLS**
Date: **6/13/2018**

Sub Basin Land Use

Use	Imp. (ac)	Pervious (ac)	Total (ac)
Buildings	0.35	0.00	0.35
Impervious Area	0.31	0.00	0.31
Green Space	0.00	2.49	2.49
Lake Area	0.00	0.00	0.00
TOTAL =	0.67	2.49	3.16

Find Curve Number:

Avg. Pervious Ground El. =	4.76
Control Elevation =	2.10
Distance to Water Table =	2.66

Soil Storage Table

Depth to W.T. (ft)	Coastal Storage (in)	Flatwoods Storage (in)	Depression Storage (in)
1.0	0.6	0.6	0.6
1.5	1.6	1.6	1.4
2.0	2.5	2.5	2.1
2.5	4.6	4.0	3.3
3.0	6.6	5.4	4.4
3.5	8.8	7.2	5.6
4.0	10.9	9.0	6.8

Find the basin's soil classification and input below as "Soil Storage" using the above "Depth to W.T.".

Developed Pervious Area =	2.49	
Undeveloped Pervious Area =	0.00	
Soil Storage =	4.18	inches
Soil Moisture Storage (S) =	2.47	inches
Curve Number =	80.2	

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 6/13/2018
Engineer: JLS
Basin Name: SUB BASIN 1A
Computation Type: Proposed Condition Stage-Area
Datum: NAVD88

Starting Stage 2.0
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Within Project Area					Outside Project Area, Within Drainage Basin			
	Wetland area within trail extents	Interior slope from wetland area up to trail	Trail Area	Exterior slope between trail and existing ground	Green Space within project area	Buildings	Impervious Area	Green Space	
Area	0.29	0.08	0.13	0.04	0.44	0.35	0.18	1.65	
Start Elev	2.10	2.10	5.00	2.65	2.50	6.00	5.00	2.75	
End Elev	4.25	5.00	6.45	6.00	5.00		7.50	8.00	
Stage	Linear	Linear	Linear	Linear	Linear	Vert	Linear	Linear	Total
Feet	Area	Area	Area	Area	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
2.30	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03
2.40	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.05
2.50	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.06
2.60	0.07	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.10
2.70	0.08	0.02	0.00	0.00	0.03	0.00	0.00	0.00	0.13
2.80	0.09	0.02	0.00	0.00	0.05	0.00	0.00	0.02	0.18
2.90	0.11	0.02	0.00	0.00	0.07	0.00	0.00	0.05	0.25
3.00	0.12	0.03	0.00	0.00	0.09	0.00	0.00	0.08	0.32
3.10	0.13	0.03	0.00	0.01	0.10	0.00	0.00	0.11	0.38
3.20	0.15	0.03	0.00	0.01	0.12	0.00	0.00	0.14	0.45
3.30	0.16	0.03	0.00	0.01	0.14	0.00	0.00	0.17	0.51
3.40	0.17	0.04	0.00	0.01	0.16	0.00	0.00	0.20	0.58
3.50	0.19	0.04	0.00	0.01	0.17	0.00	0.00	0.24	0.65
3.60	0.20	0.04	0.00	0.01	0.19	0.00	0.00	0.27	0.71
3.70	0.21	0.05	0.00	0.01	0.21	0.00	0.00	0.30	0.78
3.80	0.23	0.05	0.00	0.01	0.23	0.00	0.00	0.33	0.85
3.90	0.24	0.05	0.00	0.01	0.24	0.00	0.00	0.36	0.91
4.00	0.25	0.05	0.00	0.02	0.26	0.00	0.00	0.39	0.98
4.10	0.27	0.06	0.00	0.02	0.28	0.00	0.00	0.42	1.04
4.20	0.28	0.06	0.00	0.02	0.30	0.00	0.00	0.46	1.11
4.30	0.28	0.06	0.00	0.02	0.31	0.00	0.00	0.49	1.16
4.40	0.28	0.07	0.00	0.02	0.33	0.00	0.00	0.52	1.22
4.50	0.28	0.07	0.00	0.02	0.35	0.00	0.00	0.55	1.27
4.60	0.28	0.07	0.00	0.02	0.37	0.00	0.00	0.58	1.32
4.70	0.28	0.07	0.00	0.02	0.38	0.00	0.00	0.61	1.37
4.80	0.28	0.08	0.00	0.02	0.40	0.00	0.00	0.64	1.43
4.90	0.28	0.08	0.00	0.03	0.42	0.00	0.00	0.68	1.48
5.00	0.28	0.08	0.00	0.03	0.44	0.00	0.00	0.71	1.53
5.10	0.28	0.08	0.01	0.03	0.44	0.00	0.01	0.74	1.58
5.20	0.28	0.08	0.02	0.03	0.44	0.00	0.01	0.77	1.63
5.30	0.28	0.08	0.03	0.03	0.44	0.00	0.02	0.80	1.68

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 6/13/2018
Engineer: JLS
Basin Name: SUB BASIN 1A
Computation Type: Proposed Condition Stage-Area
Datum: NAVD88

Starting Stage 2.0
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Within Project Area					Outside Project Area, Within Drainage Basin		
	Wetland area within trail extents	Interior slope from wetland area up to trail	Trail Area	Exterior slope between trail and existing ground	Green Space within project area	Buildings	Impervious Area	Green Space
Area	0.29	0.08	0.13	0.04	0.44	0.35	0.18	1.65
Start Elev	2.10	2.10	5.00	2.65	2.50	6.00	5.00	2.75
End Elev	4.25	5.00	6.45	6.00	5.00		7.50	8.00

Stage	Linear	Linear	Linear	Linear	Linear	Vert	Linear	Linear	Total
Feet	Area	Area	Area	Area	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac
5.40	0.28	0.08	0.04	0.03	0.44	0.00	0.03	0.83	1.73
5.50	0.28	0.08	0.05	0.03	0.44	0.00	0.04	0.86	1.78
5.60	0.28	0.08	0.05	0.03	0.44	0.00	0.04	0.90	1.83
5.70	0.28	0.08	0.06	0.03	0.44	0.00	0.05	0.93	1.87
5.80	0.28	0.08	0.07	0.04	0.44	0.00	0.06	0.96	1.92
5.90	0.28	0.08	0.08	0.04	0.44	0.00	0.07	0.99	1.97
6.00	0.28	0.08	0.09	0.04	0.44	0.35	0.07	1.02	2.38
6.10	0.28	0.08	0.10	0.04	0.44	0.35	0.08	1.05	2.42
6.20	0.28	0.08	0.11	0.04	0.44	0.35	0.09	1.08	2.47
6.30	0.28	0.08	0.12	0.04	0.44	0.35	0.09	1.12	2.52
6.40	0.28	0.08	0.13	0.04	0.44	0.35	0.10	1.15	2.57
6.50	0.28	0.08	0.13	0.04	0.44	0.35	0.11	1.18	2.61
6.60	0.28	0.08	0.13	0.04	0.44	0.35	0.12	1.21	2.65
6.70	0.28	0.08	0.13	0.04	0.44	0.35	0.12	1.24	2.69
6.80	0.28	0.08	0.13	0.04	0.44	0.35	0.13	1.27	2.73
6.90	0.28	0.08	0.13	0.04	0.44	0.35	0.14	1.30	2.76
7.00	0.28	0.08	0.13	0.04	0.44	0.35	0.15	1.34	2.80
7.10	0.28	0.08	0.13	0.04	0.44	0.35	0.15	1.37	2.84
7.20	0.28	0.08	0.13	0.04	0.44	0.35	0.16	1.40	2.88
7.30	0.28	0.08	0.13	0.04	0.44	0.35	0.17	1.43	2.92
7.40	0.28	0.08	0.13	0.04	0.44	0.35	0.17	1.46	2.96
7.50	0.28	0.08	0.13	0.04	0.44	0.35	0.18	1.49	3.00
7.60	0.28	0.08	0.13	0.04	0.44	0.35	0.18	1.52	3.03
7.70	0.28	0.08	0.13	0.04	0.44	0.35	0.18	1.56	3.06
7.80	0.28	0.08	0.13	0.04	0.44	0.35	0.18	1.59	3.09
7.90	0.28	0.08	0.13	0.04	0.44	0.35	0.18	1.62	3.12
8.00	0.28	0.08	0.13	0.04	0.44	0.35	0.18	1.65	3.15

Project:
Project No:
Date:
Engineer:
Basin Name:
Computation Type:
Datum:
Computation Type

Old Palm City Ripple Stormwater
18-003
43264
JLS
SUB BASIN 1A
Proposed Conditions Stage-Storage
NAVD88
Stage vs. Storage

Revision Date:
Engineer's Name:

Starting Stage
Ending Stage
Stage Increment

2.5
8.0
0.10 (Note: Increment must be a multiple of starting / ending elevations)

Name	Within Project Area					Outside Project Area, Within Drainage Basin			
	Wetland area within trail extents	Interior slope from wetland area up to trail	Trail Area	Exterior slope between trail and existing ground	Green Space within project area	Buildings	Impervious Area	Green Space	
Area	0.29	0.08	0.13	0.04	0.44	0.35	0.18	1.65	
Start Elev	2.10	2.10	5.00	2.65	2.50	6.00	5.00	2.75	
End Elev	4.25	5.00	6.45	6.00	5.00	0.00	7.50	8.00	
Stage Feet NAVD	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Vert Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Total Storage Ac-ft
2.50	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
2.60	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
2.70	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03
2.80	0.03	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.05
2.90	0.04	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.07
3.00	0.05	0.01	0.00	0.00	0.02	0.00	0.00	0.01	0.10
3.10	0.07	0.01	0.00	0.00	0.03	0.00	0.00	0.02	0.13
3.20	0.08	0.02	0.00	0.00	0.04	0.00	0.00	0.03	0.17
3.30	0.10	0.02	0.00	0.00	0.06	0.00	0.00	0.05	0.22
3.40	0.11	0.02	0.00	0.00	0.07	0.00	0.00	0.07	0.28
3.50	0.13	0.03	0.00	0.00	0.09	0.00	0.00	0.09	0.34
3.60	0.15	0.03	0.00	0.01	0.11	0.00	0.00	0.11	0.41
3.70	0.17	0.04	0.00	0.01	0.13	0.00	0.00	0.14	0.48
3.80	0.19	0.04	0.00	0.01	0.15	0.00	0.00	0.17	0.56
3.90	0.22	0.05	0.00	0.01	0.17	0.00	0.00	0.21	0.65
4.00	0.24	0.05	0.00	0.01	0.20	0.00	0.00	0.25	0.74
4.10	0.27	0.06	0.00	0.01	0.22	0.00	0.00	0.29	0.85
4.20	0.29	0.06	0.00	0.01	0.25	0.00	0.00	0.33	0.95
4.30	0.32	0.07	0.00	0.02	0.28	0.00	0.00	0.38	1.07
4.40	0.35	0.07	0.00	0.02	0.32	0.00	0.00	0.43	1.19
4.50	0.38	0.08	0.00	0.02	0.35	0.00	0.00	0.48	1.31
4.60	0.41	0.09	0.00	0.02	0.39	0.00	0.00	0.54	1.44
4.70	0.44	0.10	0.00	0.02	0.42	0.00	0.00	0.60	1.58
4.80	0.47	0.10	0.00	0.03	0.46	0.00	0.00	0.66	1.72
4.90	0.49	0.11	0.00	0.03	0.50	0.00	0.00	0.73	1.86
5.00	0.52	0.12	0.00	0.03	0.55	0.00	0.00	0.80	2.02
5.10	0.55	0.13	0.00	0.03	0.59	0.00	0.00	0.87	2.17
5.20	0.58	0.14	0.00	0.04	0.63	0.00	0.00	0.94	2.33
5.30	0.61	0.14	0.00	0.04	0.68	0.00	0.00	1.02	2.50
5.40	0.64	0.15	0.01	0.04	0.72	0.00	0.01	1.10	2.67
5.50	0.67	0.16	0.01	0.05	0.76	0.00	0.01	1.19	2.85
5.60	0.70	0.17	0.02	0.05	0.81	0.00	0.01	1.28	3.03
5.70	0.72	0.18	0.02	0.05	0.85	0.00	0.02	1.37	3.21
5.80	0.75	0.18	0.03	0.06	0.90	0.00	0.02	1.46	3.40
5.90	0.78	0.19	0.04	0.06	0.94	0.00	0.03	1.56	3.60

Project:
Project No:
Date:
Engineer:
Basin Name:
Computation Type:
Datum:
Computation Type

Old Palm City Ripple Stormwater
18-003
43264
JLS
SUB BASIN 1A
Proposed Conditions Stage-Storage
NAVD88
Stage vs. Storage

Revision Date:
Engineer's Name:

Starting Stage2.5

Ending Stage8.0

Stage Increment0.10 (Note: Increment must be a multiple of starting / ending elevations)

Name	Within Project Area					Outside Project Area, Within Drainage Basin			
	Wetland area within trail extents	Interior slope from wetland area up to trail	Trail Area	Exterior slope between trail and existing ground	Green Space within project area	Buildings	Impervious Area	Green Space	
Area	0.29	0.08	0.13	0.04	0.44	0.35	0.18	1.65	
Start Elev	2.10	2.10	5.00	2.65	2.50	6.00	5.00	2.75	
End Elev	4.25	5.00	6.45	6.00	5.00	0.00	7.50	8.00	
Stage Feet NAVD	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Vert Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Total Storage Ac-ft
6.00	0.81	0.20	0.05	0.06	0.98	0.00	0.04	1.66	3.80
6.10	0.84	0.21	0.05	0.07	1.03	0.04	0.04	1.76	4.04
6.20	0.87	0.22	0.07	0.07	1.07	0.07	0.05	1.87	4.29
6.30	0.90	0.23	0.08	0.08	1.11	0.11	0.06	1.98	4.54
6.40	0.93	0.23	0.09	0.08	1.16	0.14	0.07	2.09	4.79
6.50	0.95	0.24	0.10	0.08	1.20	0.18	0.08	2.21	5.05
6.60	0.98	0.25	0.12	0.09	1.24	0.21	0.09	2.33	5.31
6.70	1.01	0.26	0.13	0.09	1.29	0.25	0.10	2.45	5.58
6.80	1.04	0.27	0.14	0.09	1.33	0.28	0.12	2.58	5.85
6.90	1.07	0.28	0.15	0.10	1.38	0.32	0.13	2.71	6.13
7.00	1.10	0.28	0.17	0.10	1.42	0.35	0.15	2.84	6.41
7.10	1.13	0.29	0.18	0.11	1.46	0.39	0.16	2.97	6.69
7.20	1.15	0.30	0.19	0.11	1.51	0.42	0.18	3.11	6.98
7.30	1.18	0.31	0.21	0.11	1.55	0.46	0.19	3.25	7.27
7.40	1.21	0.32	0.22	0.12	1.59	0.49	0.21	3.40	7.56
7.50	1.24	0.32	0.23	0.12	1.64	0.53	0.23	3.54	7.86
7.60	1.27	0.33	0.25	0.13	1.68	0.57	0.25	3.70	8.16
7.70	1.30	0.34	0.26	0.13	1.72	0.60	0.26	3.85	8.47
7.80	1.33	0.35	0.27	0.13	1.77	0.64	0.28	4.01	8.77
7.90	1.36	0.36	0.29	0.14	1.81	0.67	0.30	4.17	9.09
8.00	1.38	0.37	0.30	0.14	1.86	0.71	0.32	4.33	9.40

Post-Development Land Use Calculations -- Basin B-1B
Martin County Old Palm City Ripple Stormwater

Project Name: Old Palm City Ripple Stormwater Project
Project #: 18-003
Engineer: JLS
Date: 6/13/2019

Engineer:
Revision Date:

Computation Type: Land Use & Stage-Storage

Average Ground Elevation (EL_{grnd}) = 6.05 **ft NAVD** (Per Civil Plans)
Control Elevation (CE) = 2.10 **ft NAVD** (Per adjacent SFWMD Permit)

Site Land Use

	Buildings	Impervious Area	Green Space	Swale Bottom	Swale Slopes	Total Drainage Area
	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)
Percentage of Total-Site	15.0%	33.3%	46.4%	0.6%	4.8%	
Total Areas (A_t)	0.20	0.45	0.62	0.01	0.06	1.34
Bldg. %	100.00%	0.00%	0.00%	0.00%	0.00%	14.95%
Bldg. Area (A_r)	0.20	0.00	0.00	0.00	0.00	0.20
Pervious %	0.00%	0.00%	100.00%	100.00%	100.00%	51.76%
Pervious Area (A_p)	0.00	0.00	0.62	0.01	0.06	0.69
Impervious %	0.00%	100.00%	0.00%	0.00%	0.00%	33.28%
Impervious Area (A_i)	0.00	0.45	0.00	0.00	0.00	0.45
Lake %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Lake Area (Ac.)	0.00	0.00	0.00	0.00	0.00	0.00

CURVE NUMBER CALCULATION- SUB BASIN 1B

Project No.: **18-003**
Engineer: **JLS**
Date: **6/13/2018**

Sub Basin Land Use

Use	Imp. (ac)	Pervious (ac)	Total (ac)
Buildings	0.20	0.00	0.20
Impervious Area	0.45	0.00	0.45
Green Space	0.00	0.69	0.69
Lake Area	0.00	0.00	0.00
TOTAL =	0.65	0.69	1.34

Find Curve Number:

Avg. Pervious Ground El. =	6.05
Control Elevation =	2.10
Distance to Water Table =	3.95

Soil Storage Table

Depth to W.T. (ft)	Coastal Storage (in)	Flatwoods Storage (in)	Depression Storage (in)
1.0	0.6	0.6	0.6
1.5	1.6	1.6	1.4
2.0	2.5	2.5	2.1
2.5	4.6	4.0	3.3
3.0	6.6	5.4	4.4
3.5	8.8	7.2	5.6
4.0	10.9	9.0	6.8

Find the basin's soil classification and input below as "Soil Storage" using the above "Depth to W.T.".

Developed Pervious Area =	0.69	
Undeveloped Pervious Area =	0.00	
Soil Storage =	8.81	inches
Soil Moisture Storage (S) =	3.42	inches
Curve Number =	74.5	

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 6/13/2018
Engineer: JLS
Basin Name: SUB BASIN 1B
Computation Type: Proposed Condition Stage-Area
Datum: NAVD88

Starting Stage 3.0
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Swale Bottom	Swale Slopes	
Area	0.20	0.45	0.62	0.01	0.06	
Start Elev	6.00	4.00	4.00	3.20	3.20	
End Elev		8.50	8.50	0.00	6.00	
Stage	Vert	Linear	Linear	Vert	Linear	Total
Feet	Area	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac	Ac
3.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10	0.00	0.00	0.00	0.00	0.00	0.00
3.20	0.00	0.00	0.00	0.01	0.00	0.01
3.30	0.00	0.00	0.00	0.01	0.00	0.01
3.40	0.00	0.00	0.00	0.01	0.00	0.01
3.50	0.00	0.00	0.00	0.01	0.01	0.01
3.60	0.00	0.00	0.00	0.01	0.01	0.02
3.70	0.00	0.00	0.00	0.01	0.01	0.02
3.80	0.00	0.00	0.00	0.01	0.01	0.02
3.90	0.00	0.00	0.00	0.01	0.02	0.02
4.00	0.00	0.00	0.00	0.01	0.02	0.03
4.10	0.00	0.01	0.01	0.01	0.02	0.05
4.20	0.00	0.02	0.03	0.01	0.02	0.08
4.30	0.00	0.03	0.04	0.01	0.03	0.10
4.40	0.00	0.04	0.06	0.01	0.03	0.13
4.50	0.00	0.05	0.07	0.01	0.03	0.16
4.60	0.00	0.06	0.08	0.01	0.03	0.18
4.70	0.00	0.07	0.10	0.01	0.03	0.21
4.80	0.00	0.08	0.11	0.01	0.04	0.23
4.90	0.00	0.09	0.12	0.01	0.04	0.26
5.00	0.00	0.10	0.14	0.01	0.04	0.29
5.10	0.00	0.11	0.15	0.01	0.04	0.31
5.20	0.00	0.12	0.17	0.01	0.05	0.34
5.30	0.00	0.13	0.18	0.01	0.05	0.36
5.40	0.00	0.14	0.19	0.01	0.05	0.39
5.50	0.00	0.15	0.21	0.01	0.05	0.42
5.60	0.00	0.16	0.22	0.01	0.05	0.44
5.70	0.00	0.17	0.23	0.01	0.06	0.47
5.80	0.00	0.18	0.25	0.01	0.06	0.49
5.90	0.00	0.19	0.26	0.01	0.06	0.52

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 6/13/2018
Engineer: JLS
Basin Name: SUB BASIN 1B
Computation Type: Proposed Condition Stage-Area
Datum: NAVD88

Starting Stage 3.0
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Swale Bottom	Swale Slopes	
Area	0.20	0.45	0.62	0.01	0.06	
Start Elev	6.00	4.00	4.00	3.20	3.20	
End Elev		8.50	8.50	0.00	6.00	
Stage	Vert	Linear	Linear	Vert	Linear	Total
Feet	Area	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac	Ac
6.00	0.20	0.20	0.28	0.01	0.06	0.75
6.10	0.20	0.21	0.29	0.01	0.06	0.77
6.20	0.20	0.22	0.30	0.01	0.06	0.79
6.30	0.20	0.23	0.32	0.01	0.06	0.82
6.40	0.20	0.24	0.33	0.01	0.06	0.84
6.50	0.20	0.25	0.35	0.01	0.06	0.86
6.60	0.20	0.26	0.36	0.01	0.06	0.89
6.70	0.20	0.27	0.37	0.01	0.06	0.91
6.80	0.20	0.28	0.39	0.01	0.06	0.94
6.90	0.20	0.29	0.40	0.01	0.06	0.96
7.00	0.20	0.30	0.41	0.01	0.06	0.98
7.10	0.20	0.31	0.43	0.01	0.06	1.01
7.20	0.20	0.32	0.44	0.01	0.06	1.03
7.30	0.20	0.33	0.46	0.01	0.06	1.05
7.40	0.20	0.34	0.47	0.01	0.06	1.08
7.50	0.20	0.35	0.48	0.01	0.06	1.10
7.60	0.20	0.36	0.50	0.01	0.06	1.13
7.70	0.20	0.37	0.51	0.01	0.06	1.15
7.80	0.20	0.38	0.52	0.01	0.06	1.17
7.90	0.20	0.39	0.54	0.01	0.06	1.20
8.00	0.20	0.40	0.55	0.01	0.06	1.22

Project:

Project No:

Date:

Engineer:

Basin Name:

Computation Type:

Datum:

Computation Type

Old Palm City Ripple Stormwater

18-003

43264

JLS

SUB BASIN 1B

Proposed Conditions Stage-Storage

NAVD88

Stage vs. Storage

Revision Date:

Engineer's Name:

Starting Stage

Ending Stage

Stage Increment

2.5

8.0

0.10 (Note: Increment must be a multiple of starting / ending elevations)

Name	Buildings	Impervious Area	Green Space	Swale Bottom	Swale Slopes	
Area	0.20	0.45	0.62	0.01	0.06	
Start Elev	6.00	4.00	4.00	3.20	3.20	
End Elev	0.00	8.50	8.50	0.00	6.00	
Stage Feet NAVD	Vert Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Vert Storage Ac-ft	Linear Storage Ac-ft	Total Storage Ac-ft
2.50	0.00	0.00	0.00	0.00	0.00	0.00
2.60	0.00	0.00	0.00	0.00	0.00	0.00
2.70	0.00	0.00	0.00	0.00	0.00	0.00
2.80	0.00	0.00	0.00	0.00	0.00	0.00
2.90	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10	0.00	0.00	0.00	0.00	0.00	0.00
3.20	0.00	0.00	0.00	0.00	0.00	0.00
3.30	0.00	0.00	0.00	0.00	0.00	0.00
3.40	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00
3.60	0.00	0.00	0.00	0.00	0.00	0.00
3.70	0.00	0.00	0.00	0.00	0.00	0.01
3.80	0.00	0.00	0.00	0.00	0.00	0.01
3.90	0.00	0.00	0.00	0.01	0.01	0.01
4.00	0.00	0.00	0.00	0.01	0.01	0.01
4.10	0.00	0.00	0.00	0.01	0.01	0.02
4.20	0.00	0.00	0.00	0.01	0.01	0.02
4.30	0.00	0.00	0.01	0.01	0.01	0.03
4.40	0.00	0.01	0.01	0.01	0.02	0.04
4.50	0.00	0.01	0.02	0.01	0.02	0.06
4.60	0.00	0.02	0.02	0.01	0.02	0.08
4.70	0.00	0.02	0.03	0.01	0.03	0.10
4.80	0.00	0.03	0.04	0.01	0.03	0.12
4.90	0.00	0.04	0.06	0.01	0.03	0.14
5.00	0.00	0.05	0.07	0.01	0.04	0.17
5.10	0.00	0.06	0.08	0.01	0.04	0.20
5.20	0.00	0.07	0.10	0.02	0.05	0.23
5.30	0.00	0.08	0.12	0.02	0.05	0.27
5.40	0.00	0.10	0.14	0.02	0.06	0.30
5.50	0.00	0.11	0.16	0.02	0.06	0.34
5.60	0.00	0.13	0.18	0.02	0.07	0.39
5.70	0.00	0.14	0.20	0.02	0.07	0.43
5.80	0.00	0.16	0.22	0.02	0.08	0.48
5.90	0.00	0.18	0.25	0.02	0.08	0.53
6.00	0.00	0.20	0.28	0.02	0.09	0.59
6.10	0.02	0.22	0.30	0.02	0.10	0.66
6.20	0.04	0.24	0.33	0.02	0.10	0.74
6.30	0.06	0.26	0.37	0.02	0.11	0.82
6.40	0.08	0.29	0.40	0.02	0.12	0.90
6.50	0.10	0.31	0.43	0.02	0.12	0.99

Project:

Project No:

Date:

Engineer:

Basin Name:

Computation Type:

Datum:

Computation Type

Old Palm City Ripple Stormwater

18-003

43264

JLS

Sub Basin B-1A and B-1B

Proposed Conditions Stage-Storage

NAVD88

Stage vs. Storage

Revision Date:

Engineer's Name:

Starting Stage

Ending Stage

Stage Increment

2.5

8.0

0.10 (Note: Increment must be a multiple of starting / ending elevations)

	Basin B-1A	Basin B-1B	TOTAL
Stage Feet NAVD	Total Storage Ac-ft	Total Storage Ac-ft	Total Storage Ac-ft
2.50	0.01	0.00	0.01
2.60	0.02	0.00	0.02
2.70	0.03	0.00	0.03
2.80	0.05	0.00	0.05
2.90	0.07	0.00	0.07
3.00	0.10	0.00	0.10
3.10	0.13	0.00	0.13
3.20	0.17	0.00	0.17
3.30	0.22	0.00	0.22
3.40	0.28	0.00	0.28
3.50	0.34	0.00	0.34
3.60	0.41	0.00	0.41
3.70	0.48	0.01	0.49
3.80	0.56	0.01	0.57
3.90	0.65	0.01	0.66
4.00	0.74	0.01	0.76
4.10	0.85	0.02	0.86
4.20	0.95	0.02	0.98
4.30	1.07	0.03	1.10
4.40	1.19	0.04	1.23
4.50	1.31	0.06	1.37
4.60	1.44	0.08	1.52
4.70	1.58	0.10	1.67
4.80	1.72	0.12	1.84
4.90	1.86	0.14	2.01
5.00	2.02	0.17	2.18
5.10	2.17	0.20	2.37
5.20	2.33	0.23	2.56
5.30	2.50	0.27	2.77
5.40	2.67	0.30	2.97
5.50	2.85	0.34	3.19
5.60	3.03	0.39	3.41
5.70	3.21	0.43	3.65
5.80	3.40	0.48	3.88
5.90	3.60	0.53	4.13

Project:

Project No:

Date:

Engineer:

Basin Name:

Computation Type:

Datum:

Computation Type

Old Palm City Ripple Stormwater

18-003

43264

JLS

Sub Basin B-1A and B-1B

Proposed Conditions Stage-Storage

NAVD88

Stage vs. Storage

Revision Date:

Engineer's Name:

Starting Stage

Ending Stage

Stage Increment

2.5

8.0

0.10 (Note: Increment must be a multiple of starting / ending elevations)

	Basin B-1A	Basin B-1B	TOTAL
Stage Feet NAVD	Total Storage Ac-ft	Total Storage Ac-ft	Total Storage Ac-ft
6.00	3.80	0.59	4.38
6.10	4.04	0.66	4.70
6.20	4.29	0.74	5.02
6.30	4.54	0.82	5.36
6.40	4.79	0.90	5.69
6.50	5.05	0.99	6.04
6.60	5.31	1.08	6.39
6.70	5.58	1.17	6.75
6.80	5.85	1.26	7.11
6.90	6.13	1.35	7.48
7.00	6.41	1.45	7.86
7.10	6.69	1.55	8.24
7.20	6.98	1.65	8.63
7.30	7.27	1.76	9.02
7.40	7.56	1.86	9.42
7.50	7.86	1.97	9.83
7.60	8.16	2.08	10.24
7.70	8.47	2.20	10.66
7.80	8.77	2.31	11.09
7.90	9.09	2.43	11.52
8.00	9.40	2.55	11.95

Post-Development Water Quality Calculations

Project: Old Palm City Ripple -- Basin 1A & 1B
 Project #: 18-003

Revised:
 Engineer: JLS
 Date: 13-Jun-18

Landuse Summary

	Pervious Area (ac)	Impervious Area (ac)	Building Area (ac)	Lake Area (ac)	Total Area (ac)
Basin B-1A	2.49	0.31	0.35	0.00	3.16
Basin B-1B	0.69	0.45	0.20	0.00	1.34
Totals	3.19	0.76	0.55	0.00	4.50

SFWMD Criteria

1-inch Over the Project Area

$$(\text{Treated Volume}) \quad 1\text{-inch} \quad * \quad 1\text{-ft}/12\text{-in} \quad * \quad \frac{4.50}{\text{PROJECT AREA (AC)}} = \frac{0.37}{\text{TREATED VOLUME}} \text{ ac-ft}$$

2.5-inches Times the Percent Impervious

$$(\text{Site Area}) \quad \frac{4.50}{\text{PROJECT AREA (AC)}} - \left(\frac{0.00}{\text{LAKES (AC)}} + \frac{0.55}{\text{ROOFS (AC)}} \right) = \frac{3.95}{\text{SITE AREA}} \text{ ac}$$

$$(\text{Impervious Area}) \quad \frac{3.95}{\text{SITE AREA (AC)}} - \frac{3.19}{\text{PERVIOUS AREA (AC)}} = \frac{0.76}{\text{IMPERVIOUS AREA}} \text{ ac}$$

$$(\% \text{ Impervious}) \quad \frac{\text{IMPERVIOUS AREA} * 100\%}{\text{SITE AREA (AC)}} = \frac{19.23\%}{\text{SITE AREA (AC)}}$$

$$(2.5\text{-in} * \% \text{ Imp.}) \quad 2.5\text{-inches} * \frac{19.23\%}{\text{PERCENT IMPERVIOUS}} = \frac{0.48}{\text{INCHES TO BE TREATED}} \text{ in}$$

$$(\text{Treated Volume}) \quad \frac{0.48}{\text{TREATED (IN)}} * 1\text{-ft}/12\text{-in} * \frac{4.50}{\text{PROJECT AREA - LAKES (AC)}} = \frac{0.19}{\text{TREATED VOLUME}} \text{ ac-ft}$$

$$\text{Required Wet Detention} = \frac{0.37}{\text{ac-ft}}$$

$$\text{Required Dry Detention} = \frac{0.28}{\text{ac-ft}}$$

$$\text{Required Retention} = \frac{0.19}{\text{ac-ft}}$$

$$\text{Water Quality Elevation (EL}_{wq}) = \frac{3.55}{\text{ft NAVD}}$$

Post-Development Water Quality Calculations

Project: Old Palm City Ripple -- Basin 1A & 1B

Project #: 18-003

Revised:

Engineer: JLS

Date: 13-Jun-18

Martin County Criteria

3.0-inches Times the Percent Impervious

$$\begin{array}{l} \text{(Site Area)} \quad \frac{4.50}{\text{PROJECT AREA (AC)}} - \left(\frac{0.00}{\text{LAKES (AC)}} \right) = \frac{4.50}{\text{SITE AREA}} \text{ ac} \end{array}$$

$$\begin{array}{l} \text{(Impervious Area)} \quad \frac{4.50}{\text{SITE AREA (AC)}} - \frac{3.19}{\text{PERVIOUS AREA (AC)}} = \frac{1.31}{\text{IMPERVIOUS AREA}} \text{ ac} \end{array}$$

$$\begin{array}{l} \text{(% Impervious)} \quad \frac{\text{IMPERVIOUS AREA} * 100\%}{\text{SITE AREA (AC)}} = \frac{29.17\%}{\text{}} \end{array}$$

$$\begin{array}{l} \text{(3.0-in * \% Imp.)} \quad 3.0\text{-inches} * \frac{29.17\%}{\text{PERCENT IMPERVIOUS}} = \frac{0.88}{\text{INCHES TO BE TREATED}} \text{ in} \end{array}$$

$$\begin{array}{l} \text{(Treated Volume)} \quad \frac{0.88}{\text{TREATED (IN)}} * 1\text{-ft/12-in} * \frac{4.50}{\text{PROJECT AREA - LAKES (AC)}} = \frac{0.33}{\text{TREATED VOLUME}} \text{ ac-ft} \end{array}$$

$$\text{Wet Detention Volume (1.5 x Required WQ)} = \frac{0.50}{\text{}} \text{ ac-ft}$$

$$\text{Dry Detention Volume (1.25 x Required WQ)} = \frac{0.41}{\text{}} \text{ ac-ft}$$

$$\text{Dry Retention Volume (1.0 x Required WQ)} = \frac{0.33}{\text{}} \text{ ac-ft}$$

$$\text{Total Wet Detention to be Provided} = \frac{0.56}{\text{}} \text{ ac-ft}$$

$$\text{Volume treated within swale in Basin B-1B} = \frac{0.03}{\text{}} \text{ ac-ft}$$

$$\text{Remaining Volume Required for WQ Treatment} = \frac{0.53}{\text{}} \text{ ac-ft}$$

$$\text{Water Quality Elevation (EL}_{wq}) = \frac{3.75}{\text{}} \text{ ft NAVD}$$

POST-Development Bleeder Size Calculations

Project: **Old Palm City Ripple -- Basin 1A & 1B**
Project #: **18-003**

Revised:
Engineer: **JLS**
Date: **6/13/2018**

Allowed discharge in the first 24-hours is .5-inches of the required detention.

$$\text{(Discharge Volume)} \quad 0.5\text{-inch} \quad * \quad 1\text{-ft}/12\text{-in} \quad * \quad \frac{4.50}{\text{BASIN DRAINAGE AREA (B-1A, B-1B)}} = \frac{0.19}{\text{TREATED VOLUME}} \text{ ac-ft}$$

$$\text{(Conversion)} \quad \frac{1\text{-day}}{86,400\text{-sec.}} \quad * \quad \frac{43,560\text{-sf}}{1\text{-acre}} \quad * \quad \frac{0.19}{\text{VOLUME (AC-FT)}} = \frac{0.095}{\text{DISCHARGE}} \text{ cfs}$$

$$\text{Basin Area} = \underline{4.50} \text{ ac}$$

$$\text{Control Elevation} = \underline{2.10} \text{ ft}$$

$$\text{Height of Bleeder} = \underline{3.00} \text{ in} \quad * \text{ First iteration use 3-inch bleeder.}$$

$$\text{Weir Elevation} = \underline{3.75} \text{ ft} \quad * \text{ Enter the water quality elevation from the stage-storage table.}$$

Bleeder Sizing:

Size bleeder to discharge at a rate of 0.5 in/day for the contributing area.

For bleeder area use the following equation.

$$Q = CA(2gH)^{0.5}$$

C = Discharge Coeff.

Q = Discharge Rate (cfs)

H = Head above bleeder centroid (ft)

A = Cross Sectional Area (sq.ft.)

Results,

$$C = \underline{0.60}$$

$$Q = \underline{0.09} \text{ cfs}$$

$$H = \underline{1.53} \text{ feet}$$

$$A = \underline{2.29} \text{ sq.in.}$$

* Bleeder to be 3-inch diameter, min.

* Bleeder area to be 7 sq. in., min.

1.71 inches diameter (circular)

0.65 inches length (rectangle)

USE 3.0-INCH DIAMETER CIRCULAR BLEEDER

Post-Development Land Use Calculations -- Basin B-2
 Martin County Old Palm City Ripple Stormwater

Project Name: Old Palm City Ripple Stormwater Project
 Project #: 18-003
 Engineer: JLS
 Date: 6/13/2019

Engineer:
 Revision Date:

Computation Type: Land Use & Stage-Storage

Average Ground Elevation (EL_{gnd}) = 5.59 ft NAVD (Per Civil Plans)
 Control Elevation (CE) = 1.50 ft NAVD (Per adjacent SFWMD Permit)

Site Land Use	Within Project Area									Outside Project Area but Within Drainage Area				
	Trail Area	Small Swale Area in NW Part of Project Area	Main Swale Bottom	East/West Swales	Slopes at 4:1 max East of Trail	Detention Area at 2% Max East of Trail	Slopes at 4:1 max West of Trail	Detention Area at 2% Max West of Trail	Total w/in Project Area	Buildings	Impervious Area	Green Space	Total out Project Area	Total Drainage Area
	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)
Percentage of Total-Site	1.7%	0.9%	0.8%	0.2%	2.8%	1.5%	1.8%	1.6%		17.1%	16.0%	55.5%		
Total Areas (A _t)	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.63	0.94	0.88	3.05	4.86	5.49
Bldg. %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	19.28%	17.07%
Bldg. Area (A _b)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.94	0.94
Pervious %	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	85.48%	0.00%	0.00%	100.00%	62.67%	65.28%
Pervious Area (A _p)	0.00	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.54	0.00	0.00	3.05	3.05	3.58
Impervious %	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	14.52%	0.00%	100.00%	0.00%	18.05%	17.65%
Impervious Area (A _i)	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.88	0.00	0.88	0.97
Lake %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Lake Area (A _c)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CURVE NUMBER CALCULATION- SUB BASIN 2

Project No.: **18-003**
Engineer: **JLS**
Date: **6/13/2018**

Sub Basin Land Use

Use	Imp. (ac)	Pervious (ac)	Total (ac)
Buildings	0.94	0.00	0.94
Impervious Area	0.97	0.00	0.97
Green Space	0.00	3.58	3.58
Lake Area	0.00	0.00	0.00
TOTAL =	1.91	3.58	5.49

Find Curve Number:

Avg. Pervious Ground El. =	5.59
Control Elevation =	1.50
Distance to Water Table =	4.09

Soil Storage Table

Depth to W.T. (ft)	Coastal Storage (in)	Flatwoods Storage (in)	Depression Storage (in)
1.0	0.6	0.6	0.6
1.5	1.6	1.6	1.4
2.0	2.5	2.5	2.1
2.5	4.6	4.0	3.3
3.0	6.6	5.4	4.4
3.5	8.8	7.2	5.6
4.0	10.9	9.0	6.8

Find the basin's soil classification and input below as "Soil Storage" using the above "Depth to W.T.".

Developed Pervious Area =	3.58	
Undeveloped Pervious Area =	0.00	
Soil Storage =	9.00	inches
Soil Moisture Storage (S) =	4.41	inches
Curve Number =	69.4	

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 6/13/2018
Engineer: JLS
Basin Name: SUB BASIN 2
Computation Type: Proposed Condition Stage-Area
Datum: NAVD88

Starting Stage 1.5
Ending Stage 7.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Within Project Area									Outside Project Area but Within Drainage Basin			
Name	Trail Area	Small Swale Area in NW Part of Project Area	Main Swale Bottom	East/West Swales	Slopes at 4:1 max East of Trail	Detention Area at 2% Max East of Trail	Slopes at 4:1 max West of Trail	Detention Area at 2% Max West of Trail	Buildings	Impervious Area	Green Space	
Area	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.88	3.05	
Start Elev	4.50	3.00	1.50	1.70	1.50	2.50	1.60	3.00	6.00	3.40	3.00	
End Elev	5.10	5.25	1.90	4.00	4.90	2.90	6.00	4.10		7.00	9.00	
Stage Feet	Linear Area	Linear Area	Linear Area	Linear Area	Linear Area	Linear Area	Linear Area	Linear Area	Vert Area	Linear Area	Linear Area	Total Area
NAVD88	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac
1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.60	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
1.70	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03
1.80	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.05
1.90	0.00	0.00	0.05	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.07
2.00	0.00	0.00	0.05	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.08
2.10	0.00	0.00	0.05	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.09
2.20	0.00	0.00	0.05	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.09
2.30	0.00	0.00	0.05	0.00	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.10
2.40	0.00	0.00	0.05	0.00	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.11
2.50	0.00	0.00	0.05	0.00	0.05	0.00	0.02	0.00	0.00	0.00	0.00	0.12
2.60	0.00	0.00	0.05	0.00	0.05	0.02	0.02	0.00	0.00	0.00	0.00	0.14
2.70	0.00	0.00	0.05	0.00	0.05	0.04	0.03	0.00	0.00	0.00	0.00	0.17
2.80	0.00	0.00	0.05	0.01	0.06	0.06	0.03	0.00	0.00	0.00	0.00	0.20
2.90	0.00	0.00	0.05	0.01	0.06	0.08	0.03	0.00	0.00	0.00	0.00	0.23
3.00	0.00	0.00	0.05	0.01	0.07	0.08	0.03	0.00	0.00	0.00	0.00	0.24
3.10	0.00	0.00	0.05	0.01	0.07	0.08	0.03	0.01	0.00	0.00	0.05	0.31
3.20	0.00	0.00	0.05	0.01	0.08	0.08	0.04	0.02	0.00	0.00	0.10	0.37
3.30	0.00	0.01	0.05	0.01	0.08	0.08	0.04	0.02	0.00	0.00	0.15	0.44
3.40	0.00	0.01	0.05	0.01	0.09	0.08	0.04	0.03	0.00	0.00	0.20	0.51
3.50	0.00	0.01	0.05	0.01	0.09	0.08	0.04	0.04	0.00	0.02	0.25	0.60
3.60	0.00	0.01	0.05	0.01	0.10	0.08	0.05	0.05	0.00	0.05	0.30	0.70
3.70	0.00	0.02	0.05	0.01	0.10	0.08	0.05	0.06	0.00	0.07	0.36	0.79
3.80	0.00	0.02	0.05	0.01	0.10	0.08	0.05	0.06	0.00	0.10	0.41	0.88
3.90	0.00	0.02	0.05	0.01	0.11	0.08	0.05	0.07	0.00	0.12	0.46	0.97
4.00	0.00	0.02	0.05	0.01	0.11	0.08	0.05	0.08	0.00	0.15	0.51	1.07
4.10	0.00	0.03	0.05	0.01	0.12	0.08	0.06	0.09	0.00	0.17	0.56	1.16
4.20	0.00	0.03	0.05	0.01	0.12	0.08	0.06	0.09	0.00	0.19	0.61	1.24
4.30	0.00	0.03	0.05	0.01	0.13	0.08	0.06	0.09	0.00	0.22	0.66	1.33
4.40	0.00	0.03	0.05	0.01	0.13	0.08	0.06	0.09	0.00	0.24	0.71	1.41
4.50	0.00	0.03	0.05	0.01	0.14	0.08	0.07	0.09	0.00	0.27	0.76	1.50
4.60	0.02	0.04	0.05	0.01	0.14	0.08	0.07	0.09	0.00	0.29	0.81	1.60
4.70	0.03	0.04	0.05	0.01	0.15	0.08	0.07	0.09	0.00	0.32	0.86	1.70
4.80	0.05	0.04	0.05	0.01	0.15	0.08	0.07	0.09	0.00	0.34	0.91	1.79
4.90	0.06	0.04	0.05	0.01	0.15	0.08	0.08	0.09	0.00	0.37	0.96	1.89
5.00	0.08	0.05	0.05	0.01	0.15	0.08	0.08	0.09	0.00	0.39	1.02	1.99
5.10	0.09	0.05	0.05	0.01	0.15	0.08	0.08	0.09	0.00	0.41	1.07	2.08
5.20	0.09	0.05	0.05	0.01	0.15	0.08	0.08	0.09	0.00	0.44	1.12	2.16
5.30	0.09	0.05	0.05	0.01	0.15	0.08	0.08	0.09	0.00	0.46	1.17	2.24
5.40	0.09	0.05	0.05	0.01	0.15	0.08	0.09	0.09	0.00	0.49	1.22	2.32
5.50	0.09	0.05	0.05	0.01	0.15	0.08	0.09	0.09	0.00	0.51	1.27	2.40
5.60	0.09	0.05	0.05	0.01	0.15	0.08	0.09	0.09	0.00	0.54	1.32	2.47
5.70	0.09	0.05	0.05	0.01	0.15	0.08	0.09	0.09	0.00	0.56	1.37	2.55
5.80	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.00	0.58	1.42	2.63
5.90	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.00	0.61	1.47	2.71
6.00	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.63	1.52	3.72
6.10	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.66	1.57	3.80
6.20	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.68	1.62	3.87
6.30	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.71	1.68	3.95
6.40	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.73	1.73	4.02
6.50	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.76	1.78	4.10
6.60	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.78	1.83	4.17
6.70	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.80	1.88	4.25
6.80	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.83	1.93	4.32
6.90	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.85	1.98	4.40
7.00	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.88	2.03	4.47

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 43264
Engineer: JLS
Basin Name: SUB BASIN 2
Computation Type: Proposed Condition Stage-Area
Datum: NAVD88
Computation Type: Stage vs. Storage

Revision Date:
Engineer's Name:

Starting Stage 1.5
Ending Stage 7.0
Stage Increment 0.10 (Note: Increment must be a multiple of starting / ending elevations)

Name	Trail Area	Small Swale Area in NW Part of Project Area	Main Swale Bottom	East/West Swales	Slopes at 4:1 max East of Trail	Detention Area at 2% Max East of Trail	Slopes at 4:1 max West of Trail	Detention Area at 2% Max West of Trail	Buildings	Impervious Area	Green Space		
Area	0.09	0.05	0.05	0.01	0.15	0.08	0.10	0.09	0.94	0.88	3.05		
Start Elev	4.50	3.00	1.50	1.70	1.50	2.50	1.60	3.00	6.00	3.40	3.00		
End Elev	5.10	5.25	1.90	4.00	4.90	2.90	6.00	4.10	0.00	7.00	9.00		
Stage Feet NAVD	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Vert Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Total Storage Ac-ft	
1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.80	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
1.90	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
2.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
2.10	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03
2.20	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04
2.30	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.05
2.40	0.00	0.00	0.03	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.06
2.50	0.00	0.00	0.04	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.07	0.07
2.60	0.00	0.00	0.04	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.08	0.08
2.70	0.00	0.00	0.05	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.10	0.10
2.80	0.00	0.00	0.05	0.00	0.04	0.01	0.02	0.00	0.00	0.00	0.00	0.12	0.12
2.90	0.00	0.00	0.06	0.00	0.04	0.02	0.02	0.00	0.00	0.00	0.00	0.14	0.14
3.00	0.00	0.00	0.06	0.00	0.05	0.03	0.02	0.00	0.00	0.00	0.00	0.16	0.16
3.10	0.00	0.00	0.07	0.00	0.06	0.03	0.03	0.00	0.00	0.00	0.00	0.19	0.19
3.20	0.00	0.00	0.07	0.01	0.07	0.04	0.03	0.00	0.00	0.00	0.01	0.22	0.22
3.30	0.00	0.00	0.07	0.01	0.07	0.05	0.03	0.00	0.00	0.00	0.02	0.27	0.27
3.40	0.00	0.00	0.08	0.01	0.08	0.06	0.04	0.01	0.00	0.00	0.04	0.31	0.31
3.50	0.00	0.00	0.08	0.01	0.09	0.07	0.04	0.01	0.00	0.00	0.06	0.37	0.37
3.60	0.00	0.00	0.09	0.01	0.10	0.08	0.05	0.01	0.00	0.00	0.09	0.43	0.43
3.70	0.00	0.01	0.09	0.01	0.11	0.08	0.05	0.02	0.00	0.01	0.12	0.51	0.51
3.80	0.00	0.01	0.10	0.01	0.12	0.09	0.06	0.03	0.00	0.02	0.16	0.59	0.59
3.90	0.00	0.01	0.10	0.01	0.13	0.10	0.06	0.03	0.00	0.03	0.21	0.68	0.68
4.00	0.00	0.01	0.11	0.01	0.14	0.11	0.07	0.04	0.00	0.04	0.25	0.79	0.79
4.10	0.00	0.01	0.11	0.01	0.15	0.12	0.07	0.05	0.00	0.06	0.31	0.90	0.90
4.20	0.00	0.02	0.12	0.01	0.17	0.13	0.08	0.06	0.00	0.08	0.37	1.02	1.02
4.30	0.00	0.02	0.12	0.02	0.18	0.13	0.08	0.07	0.00	0.10	0.43	1.15	1.15
4.40	0.00	0.02	0.13	0.02	0.19	0.14	0.09	0.08	0.00	0.12	0.50	1.28	1.28
4.50	0.00	0.03	0.13	0.02	0.20	0.15	0.10	0.08	0.00	0.15	0.57	1.43	1.43
4.60	0.00	0.03	0.14	0.02	0.22	0.16	0.10	0.09	0.00	0.18	0.65	1.58	1.58
4.70	0.00	0.03	0.14	0.02	0.23	0.17	0.11	0.10	0.00	0.21	0.73	1.75	1.75
4.80	0.01	0.04	0.14	0.02	0.25	0.18	0.12	0.11	0.00	0.24	0.82	1.92	1.92
4.90	0.01	0.04	0.15	0.02	0.26	0.18	0.12	0.12	0.00	0.27	0.92	2.11	2.11
5.00	0.02	0.05	0.15	0.02	0.28	0.19	0.13	0.13	0.00	0.31	1.02	2.30	2.30
5.10	0.03	0.05	0.16	0.02	0.29	0.20	0.14	0.14	0.00	0.35	1.12	2.50	2.50
5.20	0.04	0.06	0.16	0.03	0.31	0.21	0.15	0.15	0.00	0.39	1.23	2.72	2.72
5.30	0.05	0.06	0.17	0.03	0.33	0.22	0.16	0.16	0.00	0.44	1.34	2.94	2.94
5.40	0.05	0.07	0.17	0.03	0.34	0.23	0.17	0.16	0.00	0.49	1.46	3.17	3.17
5.50	0.06	0.07	0.18	0.03	0.36	0.23	0.17	0.17	0.00	0.54	1.59	3.40	3.40
5.60	0.07	0.08	0.18	0.03	0.37	0.24	0.18	0.18	0.00	0.59	1.72	3.64	3.64
5.70	0.08	0.08	0.19	0.03	0.39	0.25	0.19	0.19	0.00	0.64	1.85	3.90	3.90
5.80	0.09	0.09	0.19	0.03	0.40	0.26	0.20	0.20	0.00	0.70	1.99	4.16	4.16
5.90	0.10	0.09	0.20	0.03	0.42	0.27	0.21	0.21	0.00	0.76	2.13	4.42	4.42
6.00	0.11	0.10	0.20	0.03	0.43	0.28	0.22	0.22	0.00	0.82	2.28	4.70	4.70
6.10	0.12	0.10	0.20	0.04	0.45	0.28	0.23	0.23	0.09	0.89	2.44	5.07	5.07
6.20	0.13	0.11	0.21	0.04	0.46	0.29	0.24	0.23	0.19	0.96	2.60	5.46	5.46
6.30	0.14	0.11	0.21	0.04	0.48	0.30	0.25	0.24	0.28	1.02	2.76	5.85	5.85
6.40	0.15	0.12	0.22	0.04	0.50	0.31	0.26	0.25	0.37	1.10	2.93	6.24	6.24
6.50	0.15	0.12	0.22	0.04	0.51	0.32	0.27	0.26	0.47	1.17	3.11	6.65	6.65
6.60	0.16	0.13	0.23	0.04	0.53	0.33	0.28	0.27	0.56	1.25	3.29	7.06	7.06
6.70	0.17	0.13	0.23	0.04	0.54	0.34	0.29	0.28	0.66	1.33	3.47	7.49	7.49
6.80	0.18	0.14	0.24	0.04	0.56	0.34	0.30	0.29	0.75	1.41	3.67	7.91	7.91
6.90	0.19	0.14	0.24	0.04	0.57	0.35	0.31	0.30	0.84	1.49	3.86	8.35	8.35
7.00	0.20	0.15	0.25	0.05	0.59	0.36	0.32	0.31	0.94	1.58	4.06	8.79	8.79

Post-Development Water Quality Calculations

Project: **Old Palm City Ripple -- Basin 2**
Project #: **18-003**

Revised:
Engineer: **JLS**
Date: **13-Jun-18**

SFWMD Criteria

1-inch Over the Project Area

$$\text{(Treated Volume)} \quad 1\text{-inch} \quad * \quad 1\text{-ft/12-in} \quad * \quad \frac{5.49}{\text{PROJECT AREA (AC)}} = \frac{0.46}{\text{TREATED VOLUME}} \text{ ac-ft}$$

2.5-inches Times the Percent Impervious

$$\text{(Site Area)} \quad \frac{5.49}{\text{PROJECT AREA (AC)}} - \left(\frac{0.00}{\text{LAKES (AC)}} + \frac{0.94}{\text{ROOFS (AC)}} \right) = \frac{4.55}{\text{SITE AREA}} \text{ ac}$$

$$\text{(Impervious Area)} \quad \frac{4.55}{\text{SITE AREA (AC)}} - \frac{3.58}{\text{PERVIOUS AREA (AC)}} = \frac{0.97}{\text{IMPERVIOUS AREA}} \text{ ac}$$

$$\text{(% Impervious)} \quad \frac{\text{IMPERVIOUS AREA} * 100\%}{\text{SITE AREA (AC)}} = 21.28\%$$

$$\text{(2.5-in * \% Imp.)} \quad 2.5\text{-inches} * \frac{21.28\%}{\text{PERCENT IMPERVIOUS}} = \frac{0.53}{\text{INCHES TO BE TREATED}} \text{ in}$$

$$\text{(Treated Volume)} \quad \frac{0.53}{\text{TREATED (IN)}} * 1\text{-ft/12-in} * \frac{5.49}{\text{PROJECT AREA - LAKES (AC)}} = \frac{0.25}{\text{TREATED VOLUME}} \text{ ac-ft}$$

$$\text{Required Wet Detention} = 0.46 \text{ ac-ft}$$

$$\text{Required Dry Detention} = 0.34 \text{ ac-ft}$$

$$\text{Required Retention} = 0.23 \text{ ac-ft}$$

$$\text{Water Quality Elevation (EL}_{wq}) = 3.63 \text{ ft NAVD}$$

Post-Development Water Quality Calculations

Project: **Old Palm City Ripple -- Basin 2**
Project #: **18-003**

Revised:
Engineer: **JLS**
Date: **13-Jun-18**

Martin County Criteria 3.0-inches Times the Percent Impervious

$$\begin{aligned} \text{(Site Area)} & \frac{5.49}{\text{PROJECT AREA (AC)}} - \left(\frac{0.00}{\text{LAKES (AC)}} \right) = \frac{5.49}{\text{SITE AREA}} \text{ ac} \\ \text{(Impervious Area)} & \frac{5.49}{\text{SITE AREA (AC)}} - \frac{3.58}{\text{PERVIOUS AREA (AC)}} = \frac{1.91}{\text{IMPERVIOUS AREA}} \text{ ac} \\ \text{(% Impervious)} & \frac{\text{IMPERVIOUS AREA} * 100\%}{\text{SITE AREA (AC)}} = 34.72\% \\ \text{(3.0-in * \% Imp.)} & 3.0\text{-inches} * \frac{34.72\%}{\text{PERCENT IMPERVIOUS}} = \frac{1.04}{\text{INCHES TO BE TREATED}} \text{ in} \\ \text{(Treated Volume)} & \frac{1.04}{\text{TREATED (IN)}} * 1\text{-ft/12-in} * \frac{5.49}{\text{PROJECT AREA - LAKES (AC)}} = \frac{0.48}{\text{TREATED VOLUME}} \text{ ac-ft} \end{aligned}$$

$$\text{Wet Detention Volume (1.5 x Required WQ)} = 0.72 \text{ ac-ft}$$

$$\text{Dry Detention Volume (1.25 x Required WQ)} = 0.60 \text{ ac-ft}$$

$$\text{Dry Retention Volume (1.0 x Required WQ)} = 0.48 \text{ ac-ft}$$

$$\text{Water Quality Elevation (EL}_{wq}) = 3.94 \text{ ft NAVD}$$

$$\text{Water Quality Volume Provided} = 0.55 \text{ ac-ft}$$

$$\text{Water Quality Elevation (EL}_{wq}) = 3.75 \text{ ft NAVD}$$

POST-Development Bleeder Size Calculations

Project: **Old Palm City Ripple -- Basin 2**
Project #: **18-003**

Revised:
Engineer: **JLS**
Date: **6/13/2018**

Allowed discharge in the first 24-hours is .5-inches of the required detention.

$$\text{(Discharge Volume)} \quad 0.5\text{-inch} \quad * \quad 1\text{-ft}/12\text{-in} \quad * \quad \frac{9.99}{\text{TOTAL BASIN AREA (B-1A, B-1B, B-2)}} = \frac{0.42}{\text{TREATED VOLUME}} \text{ ac-ft}$$

$$\text{(Conversion)} \quad \frac{1\text{-day}}{86,400\text{-sec.}} \quad * \quad \frac{43,560\text{-sf}}{1\text{-acre}} \quad * \quad \frac{0.42}{\text{VOLUME (AC-FT)}} = \frac{0.210}{\text{DISCHARGE}} \text{ cfs}$$

$$\text{Basin Area} = \underline{9.99} \text{ ac}$$

$$\text{Control Elevation} = \underline{1.50} \text{ ft}$$

$$\text{Height of Bleeder} = \underline{3.00} \text{ in} \quad * \text{ First iteration use 3-inch bleeder.}$$

$$\text{Weir Elevation} = \underline{3.75} \text{ ft} \quad * \text{ Enter the water quality elevation from the stage-storage table.}$$

Bleeder Sizing:

Size bleeder to discharge at a rate of 0.5 in/day for the contributing area.

For bleeder area use the following equation.

$$Q = CA(2gH)^{0.5}$$

C = Discharge Coeff.

Q = Discharge Rate (cfs)

H = Head above bleeder centroid (ft)

A = Cross Sectional Area (sq.ft.)

Results,

$$C = \underline{0.60}$$

$$Q = \underline{0.21} \text{ cfs}$$

$$H = \underline{2.13} \text{ feet}$$

$$A = \underline{4.30} \text{ sq.in.}$$

* Bleeder to be 3-inch diameter, min.

* Bleeder area to be 7 sq. in., min.

$$2.34 \text{ inches diameter (circular)}$$

$$1.23 \text{ inches length (rectangle)}$$

USE 3.0-INCH DIAMETER CIRCULAR BLEEDER

Post-Development Land Use Calculations -- Basin B-3
Martin County Old Palm City Ripple Stormwater

Project Name: **Old Palm City Ripple Stormwater Project**
Project #: **18-003**
Engineer: **JLS**
Date: **6/13/2019**

Engineer:
Revision Date:

Computation Type: Land Use & Stage-Storage

Average Ground Elevation (EL_{grnd}) = **4.78 ft NAVD** (Per Civil Plans)
Control Elevation (CE) = **0.50 ft NAVD** (Per adjacent SFWMD Permit)

Site Land Use	Within Project Area					Outside Project Area but Within Drainage Area				Total out Project Area	Total Drainage Area
	Wet Detention CWE Line	Wet Det Slopes (4:1 Max)	Lake Maint. Area (2% Max)	Prop. Roadside Swales	Total w/in Project Area	Buildings	Impervious Area	Green Space	Exist. Swales Outside Project Area		
	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)
Percentage of Total-Site	3.5%	1.7%	2.2%	1.0%		15.6%	15.8%	58.9%	1.2%		
Total Areas (A _t)	0.25	0.12	0.16	0.07	0.60	1.11	1.13	4.21	0.09	6.55	7.15
Bldg. %	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	17.02%	15.59%
Bldg. Area (A _r)	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00	1.11	1.11
Pervious %	0.00%	100.00%	100.00%	100.00%	58.41%	0.00%	0.00%	100.00%	100.00%	65.69%	65.08%
Pervious Area (A _p)	0.00	0.12	0.16	0.07	0.35	0.00	0.00	4.21	0.09	4.30	4.65
Impervious %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	17.29%	15.84%
Impervious Area (A _i)	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	1.13	1.13
Lake %	100.00%	0.00%	0.00%	0.00%	41.59%	0.00%	0.00%	0.00%	0.00%	0.00%	3.50%
Lake Area (A _c)	0.25	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.25

CURVE NUMBER CALCULATION- SUB BASIN 3

Project No.: **18-003**
Engineer: **JLS**
Date: **6/13/2018**

Sub Basin Land Use

Use	Imp. (ac)	Pervious (ac)	Total (ac)
Buildings	1.11	0.00	1.11
Impervious Area	1.13	0.00	1.13
Green Space	0.00	4.65	4.65
Lake Area	0.25	0.00	0.25
TOTAL =	2.50	4.65	7.15

Find Curve Number:

Avg. Pervious Ground El. =	4.78
Control Elevation =	0.50
Distance to Water Table =	4.28

Soil Storage Table

Depth to W.T. (ft)	Coastal Storage (in)	Flatwoods Storage (in)	Depression Storage (in)
1.0	0.6	0.6	0.6
1.5	1.6	1.6	1.4
2.0	2.5	2.5	2.1
2.5	4.6	4.0	3.3
3.0	6.6	5.4	4.4
3.5	8.8	7.2	5.6
4.0	10.9	9.0	6.8

Find the basin's soil classification and input below as "Soil Storage" using the above "Depth to W.T.".

Developed Pervious Area =	4.65	
Undeveloped Pervious Area =	0.00	
Soil Storage =	9.00	inches
Soil Moisture Storage (S) =	4.39	inches
Curve Number =	69.5	

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 6/13/2018
Engineer: JLS
Basin Name: SUB BASIN 3
Computation Type: Proposed Condition Stage-Area
Datum: NAVD88

Starting Stage 0.4
Ending Stage 7.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Within Project Area				Outside Project Area but Within Drainage Basin			
	Wet Detention CWE Line	Wet Det Slopes (4:1 Max)	Lake Maint. Area (2% Max)	Prop. Roadside Swales	Buildings	Impervious Area	Green Space	Exist. Swales Outside Project Area
Area	0.25	0.12	0.16	0.07	1.11	1.13	4.21	0.09
Start Elev	0.50	0.50	3.25	1.60	6.00	1.75	1.50	1.50
End Elev		3.25	3.40	3.60		8.00	8.50	3.50

Stage	Vert	Linear	Linear	Linear	Vert	Linear	Linear	Linear	Total
Feet	Area	Area	Area	Area	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac
0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25
0.60	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25
0.70	0.25	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.26
0.80	0.25	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.26
0.90	0.25	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.27
1.00	0.25	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.27
1.10	0.25	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.28
1.20	0.25	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.28
1.30	0.25	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.29
1.40	0.25	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.29
1.50	0.25	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.29
1.60	0.25	0.05	0.00	0.00	0.00	0.00	0.06	0.00	0.36
1.70	0.25	0.05	0.00	0.00	0.00	0.00	0.12	0.01	0.44
1.80	0.25	0.06	0.00	0.01	0.00	0.01	0.18	0.01	0.52
1.90	0.25	0.06	0.00	0.01	0.00	0.03	0.24	0.02	0.61
2.00	0.25	0.07	0.00	0.01	0.00	0.05	0.30	0.02	0.70
2.10	0.25	0.07	0.00	0.02	0.00	0.06	0.36	0.03	0.79
2.20	0.25	0.08	0.00	0.02	0.00	0.08	0.42	0.03	0.88
2.30	0.25	0.08	0.00	0.02	0.00	0.10	0.48	0.04	0.97
2.40	0.25	0.08	0.00	0.03	0.00	0.12	0.54	0.04	1.06
2.50	0.25	0.09	0.00	0.03	0.00	0.14	0.60	0.04	1.15
2.60	0.25	0.09	0.00	0.04	0.00	0.15	0.66	0.05	1.24
2.70	0.25	0.10	0.00	0.04	0.00	0.17	0.72	0.05	1.33
2.80	0.25	0.10	0.00	0.04	0.00	0.19	0.78	0.06	1.42
2.90	0.25	0.11	0.00	0.05	0.00	0.21	0.84	0.06	1.52
3.00	0.25	0.11	0.00	0.05	0.00	0.23	0.90	0.07	1.61
3.10	0.25	0.12	0.00	0.05	0.00	0.24	0.96	0.07	1.70
3.20	0.25	0.12	0.00	0.06	0.00	0.26	1.02	0.08	1.79
3.30	0.25	0.12	0.05	0.06	0.00	0.28	1.08	0.08	1.93
3.40	0.25	0.12	0.16	0.06	0.00	0.30	1.14	0.08	2.12
3.50	0.25	0.12	0.16	0.07	0.00	0.32	1.20	0.09	2.21
3.60	0.25	0.12	0.16	0.07	0.00	0.34	1.26	0.09	2.29
3.70	0.25	0.12	0.16	0.07	0.00	0.35	1.32	0.09	2.37

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 6/13/2018
Engineer: JLS
Basin Name: SUB BASIN 3
Computation Type: Proposed Condition Stage-Area
Datum: NAVD88

Starting Stage 0.4
Ending Stage 7.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

	Within Project Area				Outside Project Area but Within Drainage Basin				
	Wet Detention		Lake Maint.	Prop.			Exist. Swales		
Name	CWE Line	Wet Det Slopes	Area (2%	Roadside	Buildings	Impervious Area	Green Space	Outside Project	
		(4:1 Max)	Max)	Swales				Area	
Area	0.25	0.12	0.16	0.07	1.11	1.13	4.21	0.09	
Start Elev	0.50	0.50	3.25	1.60	6.00	1.75	1.50	1.50	
End Elev		3.25	3.40	3.60		8.00	8.50	3.50	
Stage	Vert	Linear	Linear	Linear	Vert	Linear	Linear	Linear	Total
Feet	Area	Area	Area	Area	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac	Ac
3.80	0.25	0.12	0.16	0.07	0.00	0.37	1.38	0.09	2.45
3.90	0.25	0.12	0.16	0.07	0.00	0.39	1.44	0.09	2.52
4.00	0.25	0.12	0.16	0.07	0.00	0.41	1.50	0.09	2.60
4.10	0.25	0.12	0.16	0.07	0.00	0.43	1.56	0.09	2.68
4.20	0.25	0.12	0.16	0.07	0.00	0.44	1.63	0.09	2.76
4.30	0.25	0.12	0.16	0.07	0.00	0.46	1.69	0.09	2.84
4.40	0.25	0.12	0.16	0.07	0.00	0.48	1.75	0.09	2.92
4.50	0.25	0.12	0.16	0.07	0.00	0.50	1.81	0.09	2.99
4.60	0.25	0.12	0.16	0.07	0.00	0.52	1.87	0.09	3.07
4.70	0.25	0.12	0.16	0.07	0.00	0.53	1.93	0.09	3.15
4.80	0.25	0.12	0.16	0.07	0.00	0.55	1.99	0.09	3.23
4.90	0.25	0.12	0.16	0.07	0.00	0.57	2.05	0.09	3.31
5.00	0.25	0.12	0.16	0.07	0.00	0.59	2.11	0.09	3.39
5.10	0.25	0.12	0.16	0.07	0.00	0.61	2.17	0.09	3.46
5.20	0.25	0.12	0.16	0.07	0.00	0.63	2.23	0.09	3.54
5.30	0.25	0.12	0.16	0.07	0.00	0.64	2.29	0.09	3.62
5.40	0.25	0.12	0.16	0.07	0.00	0.66	2.35	0.09	3.70
5.50	0.25	0.12	0.16	0.07	0.00	0.68	2.41	0.09	3.78
5.60	0.25	0.12	0.16	0.07	0.00	0.70	2.47	0.09	3.85
5.70	0.25	0.12	0.16	0.07	0.00	0.72	2.53	0.09	3.93
5.80	0.25	0.12	0.16	0.07	0.00	0.73	2.59	0.09	4.01
5.90	0.25	0.12	0.16	0.07	0.00	0.75	2.65	0.09	4.09
6.00	0.25	0.12	0.16	0.07	1.11	0.77	2.71	0.09	5.28
6.10	0.25	0.12	0.16	0.07	1.11	0.79	2.77	0.09	5.36
6.20	0.25	0.12	0.16	0.07	1.11	0.81	2.83	0.09	5.44
6.30	0.25	0.12	0.16	0.07	1.11	0.82	2.89	0.09	5.52
6.40	0.25	0.12	0.16	0.07	1.11	0.84	2.95	0.09	5.60
6.50	0.25	0.12	0.16	0.07	1.11	0.86	3.01	0.09	5.67
6.60	0.25	0.12	0.16	0.07	1.11	0.88	3.07	0.09	5.75
6.70	0.25	0.12	0.16	0.07	1.11	0.90	3.13	0.09	5.83
6.80	0.25	0.12	0.16	0.07	1.11	0.91	3.19	0.09	5.91
6.90	0.25	0.12	0.16	0.07	1.11	0.93	3.25	0.09	5.99
7.00	0.25	0.12	0.16	0.07	1.11	0.95	3.31	0.09	6.07

Project:
Project No:
Date:
Engineer:
Basin Name:
Computation Type:
Datum:
Computation Type

Old Palm City Ripple Stormwater
18-003
43264
JLS
SUB BASIN 3
Proposed Condition Stage-Area
NAVD88
Stage vs. Storage

Revision Date:
Engineer's Name:

Starting Stage
Ending Stage
Stage Increment

0.4
7.0
0.10 (Note: Increment must be a multiple of starting / ending elevations)

Name	Wet Detention CWE Line	Wet Det Slopes (4:1 Max)	Lake Maint. Area (2% Max)	Prop. Roadside Swales	Buildings	Impervious Area	Green Space	Exist. Swales Outside Project Area	
Area	0.25	0.12	0.16	0.07	1.11	1.13	4.21	0.09	
Start Elev	0.50	0.50	3.25	1.60	6.00	1.75	1.50	1.50	
End Elev	0.00	3.25	3.40	3.60	0.00	8.00	8.50	3.50	
Stage Feet NAVD	Vert Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Vert Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Total Storage Ac-ft
0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.60	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
0.70	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
0.80	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
0.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
1.00	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.13
1.10	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.16
1.20	0.17	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.19
1.30	0.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.21
1.40	0.22	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.24
1.50	0.25	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.27
1.60	0.27	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.30
1.70	0.30	0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.34
1.80	0.32	0.04	0.00	0.00	0.00	0.00	0.03	0.00	0.39
1.90	0.35	0.04	0.00	0.00	0.00	0.00	0.05	0.00	0.45
2.00	0.37	0.05	0.00	0.00	0.00	0.01	0.08	0.01	0.51
2.10	0.40	0.06	0.00	0.00	0.00	0.01	0.11	0.01	0.59
2.20	0.42	0.06	0.00	0.01	0.00	0.02	0.15	0.01	0.67
2.30	0.45	0.07	0.00	0.01	0.00	0.03	0.19	0.01	0.76
2.40	0.47	0.08	0.00	0.01	0.00	0.04	0.24	0.02	0.87
2.50	0.50	0.09	0.00	0.01	0.00	0.05	0.30	0.02	0.98
2.60	0.52	0.10	0.00	0.02	0.00	0.07	0.36	0.03	1.10
2.70	0.55	0.11	0.00	0.02	0.00	0.08	0.43	0.03	1.23
2.80	0.57	0.12	0.00	0.03	0.00	0.10	0.51	0.04	1.36
2.90	0.60	0.13	0.00	0.03	0.00	0.12	0.59	0.04	1.51
3.00	0.62	0.14	0.00	0.03	0.00	0.14	0.68	0.05	1.67
3.10	0.65	0.15	0.00	0.04	0.00	0.17	0.77	0.06	1.83
3.20	0.67	0.16	0.00	0.04	0.00	0.19	0.87	0.06	2.01
3.30	0.70	0.17	0.00	0.05	0.00	0.22	0.98	0.07	2.19
3.40	0.72	0.19	0.01	0.06	0.00	0.25	1.09	0.08	2.39
3.50	0.75	0.20	0.03	0.06	0.00	0.28	1.20	0.09	2.61
3.60	0.77	0.21	0.04	0.07	0.00	0.31	1.33	0.10	2.83
3.70	0.80	0.22	0.06	0.08	0.00	0.34	1.46	0.11	3.07
3.80	0.82	0.24	0.08	0.08	0.00	0.38	1.59	0.12	3.31
3.90	0.85	0.25	0.09	0.09	0.00	0.42	1.73	0.12	3.56
4.00	0.87	0.26	0.11	0.10	0.00	0.46	1.88	0.13	3.81
4.10	0.90	0.27	0.12	0.11	0.00	0.50	2.03	0.14	4.08
4.20	0.92	0.28	0.14	0.11	0.00	0.54	2.19	0.15	4.35
4.30	0.95	0.30	0.15	0.12	0.00	0.59	2.36	0.16	4.63
4.40	0.97	0.31	0.17	0.13	0.00	0.64	2.53	0.17	4.92
4.50	1.00	0.32	0.19	0.13	0.00	0.69	2.71	0.18	5.21
4.60	1.02	0.33	0.20	0.14	0.00	0.74	2.89	0.19	5.51
4.70	1.05	0.34	0.22	0.15	0.00	0.79	3.08	0.20	5.83
4.80	1.07	0.36	0.23	0.15	0.00	0.84	3.28	0.20	6.14
4.90	1.10	0.37	0.25	0.16	0.00	0.90	3.48	0.21	6.47
5.00	1.12	0.38	0.27	0.17	0.00	0.96	3.69	0.22	6.81
5.10	1.15	0.39	0.28	0.18	0.00	1.02	3.90	0.23	7.15
5.20	1.17	0.41	0.30	0.18	0.00	1.08	4.12	0.24	7.50
5.30	1.20	0.42	0.31	0.19	0.00	1.14	4.35	0.25	7.86

5.40	1.22	0.43	0.33	0.20	0.00	1.21	4.58	0.26	8.22
5.50	1.25	0.44	0.35	0.20	0.00	1.27	4.81	0.27	8.60
5.60	1.27	0.45	0.36	0.21	0.00	1.34	5.06	0.28	8.98
5.70	1.30	0.47	0.38	0.22	0.00	1.41	5.31	0.28	9.37
5.80	1.32	0.48	0.39	0.22	0.00	1.49	5.56	0.29	9.76
5.90	1.35	0.49	0.41	0.23	0.00	1.56	5.83	0.30	10.17
6.00	1.37	0.50	0.42	0.24	0.00	1.64	6.09	0.31	10.58
6.10	1.40	0.52	0.44	0.25	0.11	1.71	6.37	0.32	11.11
6.20	1.42	0.53	0.46	0.25	0.22	1.79	6.65	0.33	11.65
6.30	1.45	0.54	0.47	0.26	0.33	1.88	6.93	0.34	12.20
6.40	1.47	0.55	0.49	0.27	0.45	1.96	7.23	0.35	12.76
6.50	1.50	0.56	0.50	0.27	0.56	2.04	7.52	0.35	13.32
6.60	1.52	0.58	0.52	0.28	0.67	2.13	7.83	0.36	13.89
6.70	1.55	0.59	0.54	0.29	0.78	2.22	8.14	0.37	14.47
6.80	1.57	0.60	0.55	0.29	0.89	2.31	8.45	0.38	15.06
6.90	1.60	0.61	0.57	0.30	1.00	2.40	8.78	0.39	15.65
7.00	1.62	0.63	0.58	0.31	1.11	2.50	9.10	0.40	16.26

Post-Development Land Use Calculations -- Basin B-4A
Martin County Old Palm City Ripple Stormwater

Project Name: Old Palm City Ripple Stormwater Project
Project #: 18-003
Engineer: JLS
Date: 6/13/2019

Engineer:
Revision Date:

Computation Type: Land Use & Stage-Storage

Average Ground Elevation (EL_{grnd}) = 5.00 ft NAVD (Per Civil Plans)
Control Elevation (CE) = 0.50 ft NAVD (Per adjacent SFWMD Permit)

Site Land Use

	Buildings	Impervious Area	Green Space	Lake Area	Total Drainage Area
	(ac)	(ac)	(ac)	(ac)	(ac)
Percentage of Total-Site	14.1%	28.4%	57.5%	0.0%	
Total Areas (A_t)	0.34	0.69	1.40	0.00	2.44
Bldg. %	100.00%	0.00%	0.00%	0.00%	14.06%
Bldg. Area (A_r)	0.34	0.00	0.00	0.00	0.34
Pervious %	0.00%	0.00%	100.00%	0.00%	57.50%
Pervious Area (A_p)	0.00	0.00	1.40	0.00	1.40
Impervious %	0.00%	100.00%	0.00%	0.00%	28.44%
Impervious Area (A_i)	0.00	0.69	0.00	0.00	0.69
Lake %	0.00%	0.00%	0.00%	100.00%	0.00%
Lake Area (A_c)	0.00	0.00	0.00	0.00	0.00

CURVE NUMBER CALCULATION- SUB BASIN 4A

Project No.: **18-003**
Engineer: **JLS**
Date: **6/13/2018**

Sub Basin Land Use

Use	Imp. (ac)	Pervious (ac)	Total (ac)
Buildings	0.34	0.00	0.34
Impervious Area	0.69	0.00	0.69
Green Space	0.00	1.40	1.40
Lake Area	0.00	0.00	0.00
TOTAL =	1.04	1.40	2.44

Find Curve Number:

Avg. Pervious Ground El. =	5.00
Control Elevation =	0.50
Distance to Water Table =	4.50

Soil Storage Table

Depth to W.T. (ft)	Coastal Storage (in)	Flatwoods Storage (in)	Depression Storage (in)
1.0	0.6	0.6	0.6
1.5	1.6	1.6	1.4
2.0	2.5	2.5	2.1
2.5	4.6	4.0	3.3
3.0	6.6	5.4	4.4
3.5	8.8	7.2	5.6
4.0	10.9	9.0	6.8

Find the basin's soil classification and input below as "Soil Storage" using the above "Depth to W.T.".

Developed Pervious Area =	1.40	
Undeveloped Pervious Area =	0.00	
Soil Storage =	9.00	inches
Soil Moisture Storage (S) =	3.88	inches
Curve Number =	72.0	

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 6/13/2018
Engineer: JLS
Basin Name: SUB BASIN 4A
Computation Type: Proposed Condition Stage-Area
Datum: NAVD88

Starting Stage 2.0
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Lake Area	
Area	0.34	0.69	1.40	0.00	
Start Elev	6.00	2.50	2.00	0.00	
End Elev		7.50	8.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
2.00	0.00	0.00	0.00	0.00	0.00
2.10	0.00	0.00	0.02	0.00	0.02
2.20	0.00	0.00	0.05	0.00	0.05
2.30	0.00	0.00	0.07	0.00	0.07
2.40	0.00	0.00	0.09	0.00	0.09
2.50	0.00	0.00	0.12	0.00	0.12
2.60	0.00	0.01	0.14	0.00	0.15
2.70	0.00	0.03	0.16	0.00	0.19
2.80	0.00	0.04	0.19	0.00	0.23
2.90	0.00	0.06	0.21	0.00	0.27
3.00	0.00	0.07	0.23	0.00	0.30
3.10	0.00	0.08	0.26	0.00	0.34
3.20	0.00	0.10	0.28	0.00	0.38
3.30	0.00	0.11	0.30	0.00	0.41
3.40	0.00	0.12	0.33	0.00	0.45
3.50	0.00	0.14	0.35	0.00	0.49
3.60	0.00	0.15	0.37	0.00	0.53
3.70	0.00	0.17	0.40	0.00	0.56
3.80	0.00	0.18	0.42	0.00	0.60
3.90	0.00	0.19	0.44	0.00	0.64
4.00	0.00	0.21	0.47	0.00	0.68
4.10	0.00	0.22	0.49	0.00	0.71
4.20	0.00	0.24	0.51	0.00	0.75
4.30	0.00	0.25	0.54	0.00	0.79
4.40	0.00	0.26	0.56	0.00	0.82
4.50	0.00	0.28	0.58	0.00	0.86
4.60	0.00	0.29	0.61	0.00	0.90
4.70	0.00	0.31	0.63	0.00	0.94
4.80	0.00	0.32	0.65	0.00	0.97
4.90	0.00	0.33	0.68	0.00	1.01
5.00	0.00	0.35	0.70	0.00	1.05
5.10	0.00	0.36	0.72	0.00	1.09

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 6/13/2018
Engineer: JLS
Basin Name: SUB BASIN 4A
Computation Type: Proposed Condition Stage-Area
Datum: NAVD88

Starting Stage 2.0
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Lake Area	
Area	0.34	0.69	1.40	0.00	
Start Elev	6.00	2.50	2.00	0.00	
End Elev		7.50	8.00	0.00	
Stage	Vert	Linear	Linear	Vert	Total
Feet	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac
5.20	0.00	0.37	0.75	0.00	1.12
5.30	0.00	0.39	0.77	0.00	1.16
5.40	0.00	0.40	0.79	0.00	1.20
5.50	0.00	0.42	0.82	0.00	1.23
5.60	0.00	0.43	0.84	0.00	1.27
5.70	0.00	0.44	0.86	0.00	1.31
5.80	0.00	0.46	0.89	0.00	1.35
5.90	0.00	0.47	0.91	0.00	1.38
6.00	0.34	0.49	0.93	0.00	1.76
6.10	0.34	0.50	0.96	0.00	1.80
6.20	0.34	0.51	0.98	0.00	1.84
6.30	0.34	0.53	1.00	0.00	1.87
6.40	0.34	0.54	1.03	0.00	1.91
6.50	0.34	0.55	1.05	0.00	1.95
6.60	0.34	0.57	1.08	0.00	1.99
6.70	0.34	0.58	1.10	0.00	2.02
6.80	0.34	0.60	1.12	0.00	2.06
6.90	0.34	0.61	1.15	0.00	2.10
7.00	0.34	0.62	1.17	0.00	2.14
7.10	0.34	0.64	1.19	0.00	2.17
7.20	0.34	0.65	1.22	0.00	2.21
7.30	0.34	0.67	1.24	0.00	2.25
7.40	0.34	0.68	1.26	0.00	2.28
7.50	0.34	0.69	1.29	0.00	2.32
7.60	0.34	0.69	1.31	0.00	2.35
7.70	0.34	0.69	1.33	0.00	2.37
7.80	0.34	0.69	1.36	0.00	2.39
7.90	0.34	0.69	1.38	0.00	2.42
8.00	0.34	0.69	1.40	0.00	2.44

Project:

Project No:

Date:

Engineer:

Basin Name:

Computation Type:

Datum:

Computation Type

Old Palm City Ripple Stormwater

18-003

43264

JLS

SUB BASIN 4A

Proposed Condition Stage-Area

NAVD88

Stage vs. Storage

Revision Date:

Engineer's Name:

Starting Stage

Ending Stage

Stage Increment

2.0

8.0

0.10 (Note: Increment must be a multiple of starting / ending elevations)

Name	Impervious				Lake Area
	Buildings	Area	Green Space		
Area	0.34	0.69	1.40	0.00	
Start Elev	6.00	2.50	2.00	0.00	
End Elev	0.00	7.50	8.00	0.00	
Stage Feet	Vert Storage	Linear Storage	Linear Storage	Vert Storage	Total Storage
NAVD	Ac-ft	Ac-ft	Ac-ft	Ac-ft	Ac-ft
2.00	0.00	0.00	0.00	0.00	0.00
2.10	0.00	0.00	0.00	0.00	0.00
2.20	0.00	0.00	0.00	0.00	0.00
2.30	0.00	0.00	0.01	0.00	0.01
2.40	0.00	0.00	0.02	0.00	0.02
2.50	0.00	0.00	0.03	0.00	0.03
2.60	0.00	0.00	0.04	0.00	0.04
2.70	0.00	0.00	0.06	0.00	0.06
2.80	0.00	0.01	0.07	0.00	0.08
2.90	0.00	0.01	0.09	0.00	0.11
3.00	0.00	0.02	0.12	0.00	0.13
3.10	0.00	0.02	0.14	0.00	0.17
3.20	0.00	0.03	0.17	0.00	0.20
3.30	0.00	0.04	0.20	0.00	0.24
3.40	0.00	0.06	0.23	0.00	0.29
3.50	0.00	0.07	0.26	0.00	0.33
3.60	0.00	0.08	0.30	0.00	0.38
3.70	0.00	0.10	0.34	0.00	0.44
3.80	0.00	0.12	0.38	0.00	0.50
3.90	0.00	0.14	0.42	0.00	0.56
4.00	0.00	0.16	0.47	0.00	0.62
4.10	0.00	0.18	0.52	0.00	0.69
4.20	0.00	0.20	0.57	0.00	0.77
4.30	0.00	0.22	0.62	0.00	0.84
4.40	0.00	0.25	0.67	0.00	0.92
4.50	0.00	0.28	0.73	0.00	1.01
4.60	0.00	0.31	0.79	0.00	1.10
4.70	0.00	0.34	0.85	0.00	1.19
4.80	0.00	0.37	0.92	0.00	1.28
4.90	0.00	0.40	0.98	0.00	1.38
5.00	0.00	0.43	1.05	0.00	1.49
5.10	0.00	0.47	1.12	0.00	1.59
5.20	0.00	0.51	1.20	0.00	1.70
5.30	0.00	0.54	1.27	0.00	1.82
5.40	0.00	0.58	1.35	0.00	1.93
5.50	0.00	0.62	1.43	0.00	2.06
5.60	0.00	0.67	1.51	0.00	2.18
5.70	0.00	0.71	1.60	0.00	2.31
5.80	0.00	0.76	1.69	0.00	2.44
5.90	0.00	0.80	1.78	0.00	2.58
6.00	0.00	0.85	1.87	0.00	2.72
6.10	0.03	0.90	1.96	0.00	2.90
6.20	0.07	0.95	2.06	0.00	3.08
6.30	0.10	1.00	2.16	0.00	3.26
6.40	0.14	1.05	2.26	0.00	3.45
6.50	0.17	1.11	2.37	0.00	3.65
6.60	0.21	1.17	2.47	0.00	3.84
6.70	0.24	1.22	2.58	0.00	4.04
6.80	0.27	1.28	2.69	0.00	4.25
6.90	0.31	1.34	2.81	0.00	4.46
7.00	0.34	1.40	2.92	0.00	4.67

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 6/13/2019
Engineer: JLS
Basin Name: Sub Basin B-3 and B-4A
Computation Type: Proposed Conditions Stage-Storage
Datum: NAVD88
Computation Type Stage vs. Storage

Revision Date:
Engineer's Name:

Starting Stage 1.0
Ending Stage 6.0
Stage Increment 0.10 (Note: Increment must be a multiple of starting / ending elevations)

	Basin B-3	Basin B-4A	TOTAL
Stage Feet NAVD	Total Storage Ac-ft	Total Storage Ac-ft	Total Storage Ac-ft
1.00	0.13	0.00	0.13
1.10	0.16	0.00	0.16
1.20	0.19	0.00	0.19
1.30	0.21	0.00	0.21
1.40	0.24	0.00	0.24
1.50	0.27	0.00	0.27
1.60	0.30	0.00	0.30
1.70	0.34	0.00	0.34
1.80	0.39	0.00	0.39
1.90	0.45	0.00	0.45
2.00	0.51	0.00	0.51
2.10	0.59	0.00	0.59
2.20	0.67	0.00	0.68
2.30	0.76	0.01	0.78
2.40	0.87	0.02	0.88
2.50	0.98	0.03	1.01
2.60	1.10	0.04	1.14
2.70	1.23	0.06	1.29
2.80	1.36	0.08	1.44
2.90	1.51	0.11	1.62
3.00	1.67	0.13	1.80
3.10	1.83	0.17	2.00
3.20	2.01	0.20	2.21
3.30	2.19	0.24	2.43
3.40	2.39	0.29	2.68
3.50	2.61	0.33	2.94
3.60	2.83	0.38	3.22
3.70	3.07	0.44	3.50
3.80	3.31	0.50	3.80
3.90	3.56	0.56	4.11
4.00	3.81	0.62	4.44
4.10	4.08	0.69	4.77
4.20	4.35	0.77	5.11
4.30	4.63	0.84	5.47
4.40	4.92	0.92	5.84

Project:

Project No:

Date:

Engineer:

Basin Name:

Computation Type:

Datum:

Computation Type

Old Palm City Ripple Stormwater

18-003

6/13/2019

JLS

Sub Basin B-3 and B-4A

Proposed Conditions Stage-Storage

NAVD88

Stage vs. Storage

Revision Date:

Engineer's Name:

Starting Stage

Ending Stage

Stage Increment

1.0

6.0

0.10 (Note: Increment must be a multiple of starting / ending elevations)

	Basin B-3	Basin B-4A	TOTAL
Stage	Total	Total	Total
Feet	Storage	Storage	Storage
NAVD	Ac-ft	Ac-ft	Ac-ft
4.50	5.21	1.01	6.22
4.60	5.51	1.10	6.61
4.70	5.83	1.19	7.01
4.80	6.14	1.28	7.43
4.90	6.47	1.38	7.85
5.00	6.81	1.49	8.29
5.10	7.15	1.59	8.74
5.20	7.50	1.70	9.20
5.30	7.86	1.82	9.67
5.40	8.22	1.93	10.16
5.50	8.60	2.06	10.65
5.60	8.98	2.18	11.16
5.70	9.37	2.31	11.68
5.80	9.76	2.44	12.21
5.90	10.17	2.58	12.75
6.00	10.58	2.72	13.30

Post-Development Water Quality Calculations

Project: Old Palm City Ripple -- Basin 3 & 4A
 Project #: 18-003

Revised:
 Engineer: JLS
 Date: 13-Jun-18

Landuse Summary

	Pervious Area (ac)	Impervious Area (ac)	Building Area (ac)	Lake Area (ac)	Total Area (ac)
Basin B-3	4.65	1.13	1.11	0.25	7.15
Basin B-4A	1.40	0.69	0.34	0.00	2.44
Totals	6.06	1.83	1.46	0.25	9.59

SFWMD Criteria

1-inch Over the Project Area

$$(\text{Treated Volume}) \quad 1\text{-inch} \quad * \quad 1\text{-ft}/12\text{-in} \quad * \quad \frac{9.59}{\text{PROJECT AREA (AC)}} = \frac{0.80}{\text{TREATED VOLUME}} \text{ ac-ft}$$

2.5-inches Times the Percent Impervious

$$(\text{Site Area}) \quad \frac{9.59}{\text{PROJECT AREA (AC)}} - \left(\frac{0.25}{\text{LAKES (AC)}} + \frac{1.46}{\text{ROOFS (AC)}} \right) = \frac{7.88}{\text{SITE AREA}} \text{ ac}$$

$$(\text{Impervious Area}) \quad \frac{7.88}{\text{SITE AREA (AC)}} - \frac{6.06}{\text{PERVIOUS AREA (AC)}} = \frac{1.83}{\text{IMPERVIOUS AREA}}$$

$$(\% \text{ Impervious}) \quad \frac{\text{IMPERVIOUS AREA} * 100\%}{\text{SITE AREA (AC)}} = \frac{23.17\%}{}$$

$$(2.5\text{-in} * \% \text{ Imp.}) \quad 2.5\text{-inches} * \frac{23.17\%}{\text{PERCENT IMPERVIOUS}} = \frac{0.58}{\text{INCHES TO BE TREATED}} \text{ in}$$

$$(\text{Treated Volume}) \quad \frac{0.58}{\text{TREATED (IN)}} * 1\text{-ft}/12\text{-in} * \frac{9.34}{\text{PROJECT AREA - LAKES (AC)}} = \frac{0.46}{\text{TREATED VOLUME}} \text{ ac-ft}$$

$$\text{Required Wet Detention} = \frac{0.80}{} \text{ ac-ft}$$

$$\text{Required Dry Detention} = \frac{0.60}{} \text{ ac-ft}$$

$$\text{Required Retention} = \frac{0.40}{} \text{ ac-ft}$$

$$\text{Water Quality Elevation (EL}_{wq}) = \frac{2.32}{} \text{ ft NAVD}$$

Post-Development Water Quality Calculations

Project: Old Palm City Ripple -- Basin 3 & 4A

Project #: 18-003

Revised:

Engineer: JLS

Date: 13-Jun-18

Martin County Criteria

3.0-inches Times the Percent Impervious

$$\begin{array}{l} \text{(Site Area)} \quad \frac{9.59}{\text{PROJECT AREA (AC)}} - \left(\frac{0.25}{\text{LAKES (AC)}} \right) = \frac{9.34}{\text{SITE AREA}} \text{ ac} \end{array}$$

$$\begin{array}{l} \text{(Impervious Area)} \quad \frac{9.34}{\text{SITE AREA (AC)}} - \frac{6.06}{\text{PERVIOUS AREA (AC)}} = \frac{3.28}{\text{IMPERVIOUS AREA}} \text{ ac} \end{array}$$

$$\begin{array}{l} \text{(% Impervious)} \quad \frac{\text{IMPERVIOUS AREA} * 100\%}{\text{SITE AREA (AC)}} = \frac{35.16\%}{\text{}} \end{array}$$

$$\begin{array}{l} \text{(3.0-in * \% Imp.)} \quad 3.0\text{-inches} * \frac{35.16\%}{\text{PERCENT IMPERVIOUS}} = \frac{1.05}{\text{INCHES TO BE TREATED}} \text{ in} \end{array}$$

$$\begin{array}{l} \text{(Treated Volume)} \quad \frac{1.05}{\text{TREATED (IN)}} * 1\text{-ft/12-in} * \frac{9.34}{\text{PROJECT AREA - LAKES (AC)}} = \frac{0.83}{\text{TREATED VOLUME}} \text{ ac-ft} \end{array}$$

$$\text{Wet Detention Volume (1.5 x Required WQ)} = \frac{1.25}{\text{}} \text{ ac-ft}$$

$$\text{Dry Detention Volume (1.25 x Required WQ)} = \frac{1.04}{\text{}} \text{ ac-ft}$$

$$\text{Dry Retention Volume (1.0 x Required WQ)} = \frac{0.83}{\text{}} \text{ ac-ft}$$

$$\text{Water Quality Elevation (EL}_{wq}) = \frac{2.67}{\text{}} \text{ ft NAVD}$$

$$\text{Water Quality Volume Provided} = \frac{0.52}{\text{}} \text{ ac-ft}$$

$$\text{Water Quality Elevation (EL}_{wq}) = \frac{2.00}{\text{}} \text{ ft NAVD}$$

POST-Development Bleeder Size Calculations

Project: **Old Palm City Ripple -- Basin 3 & 4A**
Project #: **18-003**

Revised:
Engineer: **JLS**
Date: **6/13/2018**

Allowed discharge in the first 24-hours is .5-inches of the required detention.

$$\text{(Discharge Volume)} \quad 0.5\text{-inch} \quad * \quad 1\text{-ft}/12\text{-in} \quad * \quad \frac{19.57}{\text{TOTAL BASIN AREA (B-1A, B-1B, B-2, B-3, B-4A)}} = \frac{0.82}{\text{TREATED VOLUME}} \text{ ac-ft}$$

$$\text{(Conversion)} \quad \frac{1\text{-day}}{86,400\text{-sec.}} \quad * \quad \frac{43,560\text{-sf}}{1\text{-acre}} \quad * \quad \frac{0.82}{\text{VOLUME (AC-FT)}} = \frac{0.411}{\text{DISCHARGE}} \text{ cfs}$$

$$\text{Basin Area} = \frac{19.57}{\text{ac}}$$

$$\text{Control Elevation} = \frac{0.50}{\text{ft}}$$

$$\text{Height of Bleeder} = \frac{3.67}{\text{in}} \quad * \text{ First iteration use 3-inch bleeder.}$$

$$\text{Weir Elevation} = \frac{2.00}{\text{ft}} \quad * \text{ Enter the water quality elevation from the stage-storage table.}$$

Bleeder Sizing:

Size bleeder to discharge at a rate of 0.5 in/day for the contributing area.

For bleeder area use the following equation.

$$Q = CA(2gH)^{0.5}$$

C = Discharge Coeff.
Q = Discharge Rate (cfs)
H = Head above bleeder centroid (ft)
A = Cross Sectional Area (sq.ft.)

Results,

$$C = \frac{0.60}{\text{}}$$

$$Q = \frac{0.41}{\text{cfs}}$$

$$H = \frac{1.35}{\text{feet}}$$

$$A = \frac{10.59}{\text{sq.in.}}$$

* Bleeder to be 3-inch diameter, min.

* Bleeder area to be 7 sq. in., min.

3.67 inches diameter (circular)

3.03 inches length (rectangle)

USE 3.0-INCH DIAMETER CIRCULAR BLEEDER

Post-Development Land Use Calculations -- Basin B-4B
Martin County Old Palm City Ripple Stormwater

Project Name: Old Palm City Ripple Stormwater Project
Project #: 18-003
Engineer: JLS
Date: 6/13/2019

Engineer:
Revision Date:

Computation Type: Land Use & Stage-Storage

Average Ground Elevation (EL_{grnd}) = 2.74 **ft NAVD** (Per Civil Plans)
Control Elevation (CE) = 0.50 **ft NAVD** (Per adjacent SFWMD Permit)

Site Land Use

	Buildings	Impervious Area	Green Space	Dry Detention Bottom	Dry Detention Slopes	Total Drainage Area
	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)
Percentage of Total-Site	7.6%	26.8%	52.6%	8.3%	4.7%	
Total Areas (A_t)	0.05	0.18	0.36	0.06	0.03	0.69
Bldg. %	100.00%	0.00%	0.00%	0.00%	0.00%	7.63%
Bldg. Area (A_r)	0.05	0.00	0.00	0.00	0.00	0.05
Pervious %	0.00%	0.00%	100.00%	100.00%	100.00%	65.59%
Pervious Area (A_p)	0.00	0.00	0.36	0.06	0.03	0.45
Impervious %	0.00%	100.00%	0.00%	0.00%	0.00%	26.78%
Impervious Area (A_i)	0.00	0.18	0.00	0.00	0.00	0.18
Lake %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Lake Area (A_c)	0.00	0.00	0.00	0.00	0.00	0.00

CURVE NUMBER CALCULATION- SUB BASIN 4B

Project No.: **18-003**
Engineer: **JLS**
Date: **6/13/2018**

Sub Basin Land Use

Use	Imp. (ac)	Pervious (ac)	Total (ac)
Buildings	0.05	0.00	0.05
Impervious Area	0.18	0.00	0.18
Green Space	0.00	0.45	0.45
Lake Area	0.00	0.00	0.00
TOTAL =	0.24	0.45	0.69

Find Curve Number:

Avg. Pervious Ground El. =	2.74
Control Elevation =	0.50
Distance to Water Table =	2.24

Soil Storage Table

Depth to W.T. (ft)	Coastal Storage (in)	Flatwoods Storage (in)	Depression Storage (in)
1.0	0.6	0.6	0.6
1.5	1.6	1.6	1.4
2.0	2.5	2.5	2.1
2.5	4.6	4.0	3.3
3.0	6.6	5.4	4.4
3.5	8.8	7.2	5.6
4.0	10.9	9.0	6.8

Find the basin's soil classification and input below as "Soil Storage" using the above "Depth to W.T.".

Developed Pervious Area =	0.45	
Undeveloped Pervious Area =	0.00	
Soil Storage =	2.68	inches
Soil Moisture Storage (S) =	1.32	inches
Curve Number =	88.4	

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 6/13/2018
Engineer: JLS
Basin Name: SUB BASIN 4B
Computation Type: Proposed Condition Stage-Area
Datum: NAVD88

Starting Stage 1.4
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Dry Detention Bottom	Dry Detention Slopes	
Area	0.05	0.18	0.36	0.06	0.03	
Start Elev	6.00	2.50	2.00	1.50	1.50	
End Elev		4.25	4.25	0.00	2.50	
Stage	Vert	Linear	Linear	Vert	Linear	Total
Feet	Area	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac	Ac
1.40	0.00	0.00	0.00	0.00	0.00	0.00
1.50	0.00	0.00	0.00	0.06	0.00	0.06
1.60	0.00	0.00	0.00	0.06	0.00	0.06
1.70	0.00	0.00	0.00	0.06	0.01	0.06
1.80	0.00	0.00	0.00	0.06	0.01	0.07
1.90	0.00	0.00	0.00	0.06	0.01	0.07
2.00	0.00	0.00	0.00	0.06	0.02	0.07
2.10	0.00	0.00	0.02	0.06	0.02	0.09
2.20	0.00	0.00	0.03	0.06	0.02	0.11
2.30	0.00	0.00	0.05	0.06	0.03	0.13
2.40	0.00	0.00	0.06	0.06	0.03	0.15
2.50	0.00	0.00	0.08	0.06	0.03	0.17
2.60	0.00	0.01	0.10	0.06	0.03	0.20
2.70	0.00	0.02	0.11	0.06	0.03	0.22
2.80	0.00	0.03	0.13	0.06	0.03	0.25
2.90	0.00	0.04	0.14	0.06	0.03	0.28
3.00	0.00	0.05	0.16	0.06	0.03	0.30
3.10	0.00	0.06	0.18	0.06	0.03	0.33
3.20	0.00	0.07	0.19	0.06	0.03	0.36
3.30	0.00	0.08	0.21	0.06	0.03	0.38
3.40	0.00	0.09	0.23	0.06	0.03	0.41
3.50	0.00	0.11	0.24	0.06	0.03	0.44
3.60	0.00	0.12	0.26	0.06	0.03	0.46
3.70	0.00	0.13	0.27	0.06	0.03	0.49
3.80	0.00	0.14	0.29	0.06	0.03	0.52
3.90	0.00	0.15	0.31	0.06	0.03	0.54
4.00	0.00	0.16	0.32	0.06	0.03	0.57
4.10	0.00	0.17	0.34	0.06	0.03	0.60
4.20	0.00	0.18	0.35	0.06	0.03	0.62
4.30	0.00	0.18	0.36	0.06	0.03	0.64
4.40	0.00	0.18	0.36	0.06	0.03	0.64
4.50	0.00	0.18	0.36	0.06	0.03	0.64
4.60	0.00	0.18	0.36	0.06	0.03	0.64
4.70	0.00	0.18	0.36	0.06	0.03	0.64

Project: Old Palm City Ripple Stormwater
Project No: 18-003
Date: 6/13/2018
Engineer: JLS
Basin Name: SUB BASIN 4B
Computation Type: Proposed Condition Stage-Area
Datum: NAVD88

Starting Stage 1.4
Ending Stage 8.0
Stage Increment 0.10 Note: Stage Increment < End Elev - Start Elev

Name	Buildings	Impervious Area	Green Space	Dry Detention Bottom	Dry Detention Slopes	
Area	0.05	0.18	0.36	0.06	0.03	
Start Elev	6.00	2.50	2.00	1.50	1.50	
End Elev		4.25	4.25	0.00	2.50	
Stage	Vert	Linear	Linear	Vert	Linear	Total
Feet	Area	Area	Area	Area	Area	Area
NAVD88	Ac	Ac	Ac	Ac	Ac	Ac
4.80	0.00	0.18	0.36	0.06	0.03	0.64
4.90	0.00	0.18	0.36	0.06	0.03	0.64
5.00	0.00	0.18	0.36	0.06	0.03	0.64
5.10	0.00	0.18	0.36	0.06	0.03	0.64
5.20	0.00	0.18	0.36	0.06	0.03	0.64
5.30	0.00	0.18	0.36	0.06	0.03	0.64
5.40	0.00	0.18	0.36	0.06	0.03	0.64
5.50	0.00	0.18	0.36	0.06	0.03	0.64
5.60	0.00	0.18	0.36	0.06	0.03	0.64
5.70	0.00	0.18	0.36	0.06	0.03	0.64
5.80	0.00	0.18	0.36	0.06	0.03	0.64
5.90	0.00	0.18	0.36	0.06	0.03	0.64
6.00	0.05	0.18	0.36	0.06	0.03	0.69
6.10	0.05	0.18	0.36	0.06	0.03	0.69
6.20	0.05	0.18	0.36	0.06	0.03	0.69
6.30	0.05	0.18	0.36	0.06	0.03	0.69
6.40	0.05	0.18	0.36	0.06	0.03	0.69
6.50	0.05	0.18	0.36	0.06	0.03	0.69
6.60	0.05	0.18	0.36	0.06	0.03	0.69
6.70	0.05	0.18	0.36	0.06	0.03	0.69
6.80	0.05	0.18	0.36	0.06	0.03	0.69
6.90	0.05	0.18	0.36	0.06	0.03	0.69
7.00	0.05	0.18	0.36	0.06	0.03	0.69
7.10	0.05	0.18	0.36	0.06	0.03	0.69
7.20	0.05	0.18	0.36	0.06	0.03	0.69
7.30	0.05	0.18	0.36	0.06	0.03	0.69
7.40	0.05	0.18	0.36	0.06	0.03	0.69
7.50	0.05	0.18	0.36	0.06	0.03	0.69
7.60	0.05	0.18	0.36	0.06	0.03	0.69
7.70	0.05	0.18	0.36	0.06	0.03	0.69
7.80	0.05	0.18	0.36	0.06	0.03	0.69
7.90	0.05	0.18	0.36	0.06	0.03	0.69
8.00	0.05	0.18	0.36	0.06	0.03	0.69

Project:

Project No:

Date:

Engineer:

Basin Name:

Computation Type:

Datum:

Computation Type

Old Palm City Ripple Stormwater

18-003

43264

JLS

SUB BASIN 4B

Proposed Condition Stage-Area

NAVD88

Stage vs. Storage

Revision Date:

Engineer's Name:

Starting Stage

Ending Stage

Stage Increment

1.4

8.0

0.10 (Note: Increment must be a multiple of starting / ending elevations)

Name	Buildings	Impervious Area	Green Space	Dry Detention Bottom	Dry Detention Slopes	
Area	0.05	0.18	0.36	0.06	0.03	
Start Elev	6.00	2.50	2.00	1.50	1.50	
End Elev	0.00	4.25	4.25	0.00	2.50	
Stage Feet NAVD	Vert Storage Ac-ft	Linear Storage Ac-ft	Linear Storage Ac-ft	Vert Storage Ac-ft	Linear Storage Ac-ft	Total Storage Ac-ft
1.40	0.00	0.00	0.00	0.00	0.00	0.00
1.50	0.00	0.00	0.00	0.00	0.00	0.00
1.60	0.00	0.00	0.00	0.01	0.00	0.01
1.70	0.00	0.00	0.00	0.01	0.00	0.01
1.80	0.00	0.00	0.00	0.02	0.00	0.02
1.90	0.00	0.00	0.00	0.02	0.00	0.03
2.00	0.00	0.00	0.00	0.03	0.00	0.03
2.10	0.00	0.00	0.00	0.03	0.01	0.04
2.20	0.00	0.00	0.00	0.04	0.01	0.05
2.30	0.00	0.00	0.01	0.05	0.01	0.06
2.40	0.00	0.00	0.01	0.05	0.01	0.08
2.50	0.00	0.00	0.02	0.06	0.02	0.09
2.60	0.00	0.00	0.03	0.06	0.02	0.11
2.70	0.00	0.00	0.04	0.07	0.02	0.13
2.80	0.00	0.00	0.05	0.07	0.03	0.16
2.90	0.00	0.01	0.07	0.08	0.03	0.18
3.00	0.00	0.01	0.08	0.09	0.03	0.21
3.10	0.00	0.02	0.10	0.09	0.04	0.24
3.20	0.00	0.03	0.12	0.10	0.04	0.28
3.30	0.00	0.03	0.14	0.10	0.04	0.31
3.40	0.00	0.04	0.16	0.11	0.05	0.35
3.50	0.00	0.05	0.18	0.11	0.05	0.40
3.60	0.00	0.06	0.21	0.12	0.05	0.44
3.70	0.00	0.08	0.23	0.13	0.05	0.49
3.80	0.00	0.09	0.26	0.13	0.06	0.54
3.90	0.00	0.10	0.29	0.14	0.06	0.59
4.00	0.00	0.12	0.32	0.14	0.06	0.65
4.10	0.00	0.13	0.35	0.15	0.07	0.71
4.20	0.00	0.15	0.39	0.15	0.07	0.77
4.30	0.00	0.17	0.43	0.16	0.07	0.83
4.40	0.00	0.19	0.46	0.17	0.08	0.89
4.50	0.00	0.21	0.50	0.17	0.08	0.96
4.60	0.00	0.23	0.53	0.18	0.08	1.02
4.70	0.00	0.24	0.57	0.18	0.09	1.08
4.80	0.00	0.26	0.61	0.19	0.09	1.15
4.90	0.00	0.28	0.64	0.19	0.09	1.21
5.00	0.00	0.30	0.68	0.20	0.10	1.28
5.10	0.00	0.32	0.71	0.21	0.10	1.34
5.20	0.00	0.34	0.75	0.21	0.10	1.40
5.30	0.00	0.35	0.79	0.22	0.11	1.47
5.40	0.00	0.37	0.82	0.22	0.11	1.53
5.50	0.00	0.39	0.86	0.23	0.11	1.59
5.60	0.00	0.41	0.90	0.23	0.12	1.66
5.70	0.00	0.43	0.93	0.24	0.12	1.72

5.80	0.00	0.45	0.97	0.25	0.12	1.78
5.90	0.00	0.47	1.00	0.25	0.13	1.85
6.00	0.00	0.48	1.04	0.26	0.13	1.91
6.10	0.01	0.50	1.08	0.26	0.13	1.98
6.20	0.01	0.52	1.11	0.27	0.14	2.05
6.30	0.02	0.54	1.15	0.27	0.14	2.12
6.40	0.02	0.56	1.19	0.28	0.14	2.19
6.50	0.03	0.58	1.22	0.29	0.15	2.26
6.60	0.03	0.59	1.26	0.29	0.15	2.32
6.70	0.04	0.61	1.29	0.30	0.15	2.39
6.80	0.04	0.63	1.33	0.30	0.16	2.46
6.90	0.05	0.65	1.37	0.31	0.16	2.53
7.00	0.05	0.67	1.40	0.31	0.16	2.60
7.10	0.06	0.69	1.44	0.32	0.16	2.67
7.20	0.06	0.71	1.47	0.33	0.17	2.74
7.30	0.07	0.72	1.51	0.33	0.17	2.81
7.40	0.07	0.74	1.55	0.34	0.17	2.87
7.50	0.08	0.76	1.58	0.34	0.18	2.94
7.60	0.08	0.78	1.62	0.35	0.18	3.01
7.70	0.09	0.80	1.66	0.35	0.18	3.08
7.80	0.09	0.82	1.69	0.36	0.19	3.15
7.90	0.10	0.83	1.73	0.37	0.19	3.22
8.00	0.11	0.85	1.76	0.37	0.19	3.29

Post-Development Water Quality Calculations

Project: **Old Palm City Ripple -- Basin 4B**
Project #: **18-003**

Revised:
Engineer: **JLS**
Date: **13-Jun-18**

SFWMD Criteria 1-inch Over the Project Area

$$\text{(Treated Volume)} \quad 1\text{-inch} \quad * \quad 1\text{-ft}/12\text{-in} \quad * \quad \frac{0.69}{\text{PROJECT AREA (AC)}} = \frac{0.06}{\text{TREATED VOLUME}} \text{ ac-ft}$$

2.5-inches Times the Percent Impervious

$$\text{(Site Area)} \quad \frac{0.69}{\text{PROJECT AREA (AC)}} - \left(\frac{0.00}{\text{LAKES (AC)}} + \frac{0.05}{\text{ROOFS (AC)}} \right) = \frac{0.64}{\text{SITE AREA}} \text{ ac}$$

$$\text{(Impervious Area)} \quad \frac{0.64}{\text{SITE AREA (AC)}} - \frac{0.45}{\text{PERVIOUS AREA (AC)}} = \frac{0.18}{\text{IMPERVIOUS AREA}} \text{ ac}$$

$$\text{(\% Impervious)} \quad \frac{\text{IMPERVIOUS AREA} * 100\%}{\text{SITE AREA (AC)}} = 29.00\%$$

$$\text{(2.5-in * \% Imp.)} \quad 2.5\text{-inches} * \frac{29.00\%}{\text{PERCENT IMPERVIOUS}} = \frac{0.72}{\text{INCHES TO BE TREATED}} \text{ in}$$

$$\text{(Treated Volume)} \quad \frac{0.72}{\text{TREATED (IN)}} * 1\text{-ft}/12\text{-in} * \frac{0.69}{\text{PROJECT AREA - LAKES (AC)}} = \frac{0.05}{\text{TREATED VOLUME}} \text{ ac-ft}$$

$$\text{Required Wet Detention} = 0.06 \text{ ac-ft}$$

$$\text{Required Dry Detention} = 0.04 \text{ ac-ft}$$

$$\text{Required Retention} = 0.03 \text{ ac-ft}$$

$$\text{Water Quality Elevation (EL}_{wq}) = 2.12 \text{ ft NAVD}$$

Post-Development Water Quality Calculations

Project: **Old Palm City Ripple -- Basin 4B**
Project #: **18-003**

Revised:
Engineer: **JLS**
Date: **13-Jun-18**

Martin County Criteria

3.0-inches Times the Percent Impervious

$$\begin{aligned} \text{(Site Area)} & \frac{0.69}{\text{PROJECT AREA (AC)}} - \left(\frac{0.00}{\text{LAKES (AC)}} \right) = \frac{0.69}{\text{SITE AREA}} \text{ ac} \\ \text{(Impervious Area)} & \frac{0.69}{\text{SITE AREA (AC)}} - \frac{0.45}{\text{PERVIOUS AREA (AC)}} = \frac{0.24}{\text{IMPERVIOUS AREA}} \text{ ac} \\ \text{(\% Impervious)} & \frac{\text{IMPERVIOUS AREA} * 100\%}{\text{SITE AREA (AC)}} = \frac{34.41\%}{\text{}} \\ \text{(3.0-in * \% Imp.)} & 3.0\text{-inches} * \frac{34.41\%}{\text{PERCENT IMPERVIOUS}} = \frac{1.03}{\text{INCHES TO BE TREATED}} \text{ in} \\ \text{(Treated Volume)} & \frac{1.03}{\text{TREATED (IN)}} * 1\text{-ft/12-in} * \frac{0.69}{\text{PROJECT AREA - LAKES (AC)}} = \frac{0.06}{\text{TREATED VOLUME}} \text{ ac-ft} \end{aligned}$$

$$\text{Wet Detention Volume (1.5 x Required WQ)} = \frac{0.09}{\text{}} \text{ ac-ft}$$

$$\text{Dry Detention Volume (1.25 x Required WQ)} = \frac{0.07}{\text{}} \text{ ac-ft}$$

$$\text{Retention Volume (1.0 x Required WQ)} = \frac{0.06}{\text{}} \text{ ac-ft}$$

$$\text{Water Quality Elevation (EL}_{wq}\text{)} = \frac{2.38}{\text{}} \text{ ft NAVD}$$

$$\text{Water Quality Volume Provided} = \frac{0.07}{\text{}} \text{ ac-ft}$$

$$\text{Water Quality Elevation (EL}_{wq}\text{)} = \frac{2.32}{\text{}} \text{ ft NAVD}$$

POST-Development Bleeder Size Calculations

Project: **Old Palm City Ripple -- Basin 4B**
Project #: **18-003**

Revised:
Engineer: **JLS**
Date: **6/13/2018**

Allowed discharge in the first 24-hours is .5-inches of the required detention.

$$\text{(Discharge Volume)} \quad 0.5\text{-inch} \quad * \quad 1\text{-ft}/12\text{-in} \quad * \quad \frac{0.69}{\text{PROJECT AREA}} = \frac{0.03}{\text{TREATED VOLUME}} \text{ ac-ft}$$

$$\text{(Conversion)} \quad \frac{1\text{-day}}{86,400\text{-sec.}} \quad * \quad \frac{43,560\text{-sf}}{1\text{-acre}} \quad * \quad \frac{0.03}{\text{VOLUME (AC-FT)}} = \frac{0.014}{\text{DISCHARGE}} \text{ cfs}$$

$$\text{Basin Area} = \underline{0.69} \text{ ac}$$

$$\text{Lake Area} = \underline{0.00} \text{ ac}$$

$$\text{Control Elevation} = \underline{0.50} \text{ ft}$$

$$\text{Height of Bleeder} = \underline{3.00} \text{ in} \quad * \text{ First iteration use 3-inch bleeder.}$$

$$\text{Weir Elevation} = \underline{2.32} \text{ ft} \quad * \text{ Enter the water quality elevation from the stage-storage table.}$$

Bleeder Sizing:

Size bleeder to discharge at a rate of 0.5 in/day for the contributing area.

For bleeder area use the following equation.

$$A = \frac{Q}{8.0 * C * (H)^{.5}}$$

C = Discharge Coeff.

Q = Allowable Discharge (cfs)

H = Head above bleeder centroid (ft)

A = Cross Sectional Area (sq.ft.)

Results,

$$C = \underline{0.60}$$

$$Q = \underline{0.01} \text{ cfs}$$

$$H = \underline{1.69} \text{ feet}$$

$$A = \underline{0.33} \text{ sq.in.}$$

* Bleeder to be 2-inch diameter, min.

* Bleeder area to be 7 sq. in., min.

$$0.65 \text{ inches diameter (circular)}$$

$$0.09 \text{ inches length (rectangle)}$$

USE 3.0-INCH DIAMETER CIRCULAR BLEEDER

Background Image: Prop Nodal Diagram



Manual Basin: B-1A

Scenario: 100/3 Zero Discharge
Node: Node B-1A
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 27.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.1600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.1600	B-1A	B-1A	~SFWMD-72

Comment:

Manual Basin: B-1B

Scenario: 100/3 Zero Discharge
Node: Node B-1B
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 33.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3400 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3400	B-1B	B-1B	~SFWMD-72

Comment:

Manual Basin: B-2

Scenario: 100/3 Zero Discharge
 Node: Node B-2
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 19.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.4900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.4900	B-2	B-2	~SFWMD-72

Comment:

Manual Basin: B-3

Scenario: 100/3 Zero Discharge
 Node: Node B-3
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 25.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.1500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
7.1500	B-3	B-3	~SFWMD-72

Comment:

Manual Basin: B-4A

Scenario: 100/3 Zero Discharge
 Node: Node B-4A
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 40.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4400 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.4400	B-4A	B-4A	~SFWMD-72

Comment:

Manual Basin: B-4B

Scenario: 100/3 Zero Discharge
 Node: Node B-4B
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.6900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.6900	B-4B	B-4B	~SFWMD-72

Comment:

Manual Basin: B-1A

Scenario: 25Y-3D System Recovery
 Node: Node B-1A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 27.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.1600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.1600	B-1A	B-1A	~SFWMD-72

Comment:

Manual Basin: B-1B

Scenario: 25Y-3D System Recovery
 Node: Node B-1B
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 33.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3400 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3400	B-1B	B-1B	~SFWMD-72

Comment:

Manual Basin: B-2

Scenario: 25Y-3D System Recovery
 Node: Node B-2
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 19.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.4900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.4900	B-2	B-2	~SFWMD-72

Comment:

Manual Basin: B-3

Scenario: 25Y-3D System Recovery
 Node: Node B-3
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 25.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.1500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
7.1500	B-3	B-3	~SFWMD-72

Comment:

Manual Basin: B-4A

Scenario: 25Y-3D System Recovery
 Node: Node B-4A
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 40.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4400 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.4400	B-4A	B-4A	~SFWMD-72

Comment:

Manual Basin: B-4B

Scenario: 25Y-3D System Recovery
 Node: Node B-4B
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.6900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.6900	B-4B	B-4B	~SFWMD-72

Comment:

Manual Basin: B-1A

Scenario: Proposed
 Node: Node B-1A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 27.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.1600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.1600	B-1A	B-1A	~SFWMD-72

Comment:

Manual Basin: B-1B

Scenario: Proposed
 Node: Node B-1B
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 33.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3400 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3400	B-1B	B-1B	~SFWMD-72

Comment:

Manual Basin: B-2

Scenario: Proposed
 Node: Node B-2
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 19.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.4900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.4900	B-2	B-2	~SFWMD-72

Comment:

Manual Basin: B-3

Scenario: Proposed
 Node: Node B-3
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 25.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.1500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
7.1500	B-3	B-3	~SFWMD-72

Comment:

Manual Basin: B-4A

Scenario: Proposed
 Node: Node B-4A
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 40.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4400 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.4400	B-4A	B-4A	~SFWMD-72

Comment:

Manual Basin: B-4B

Scenario: Proposed
 Node: Node B-4B
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.6900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.6900	B-4B	B-4B	~SFWMD-72

Comment:

Manual Basin: B-1A

Scenario: Proposed with TW at 1.0
 Node: Node B-1A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 27.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.1600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.1600	B-1A	B-1A	~SFWMD-72

Comment:

Manual Basin: B-1B

Scenario: Proposed with TW at 1.0
 Node: Node B-1B
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 33.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3400 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3400	B-1B	B-1B	~SFWMD-72

Comment:

Manual Basin: B-2

Scenario: Proposed with TW at 1.0
 Node: Node B-2
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 19.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.4900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.4900	B-2	B-2	~SFWMD-72

Comment:

Manual Basin: B-3

Scenario: Proposed with TW at 1.0
 Node: Node B-3
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 25.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.1500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
7.1500	B-3	B-3	~SFWMD-72

Comment:

Manual Basin: B-4A

Scenario: Proposed with TW at 1.0
 Node: Node B-4A
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 40.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4400 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.4400	B-4A	B-4A	~SFWMD-72

Comment:

Manual Basin: B-4B

Scenario: Proposed with TW at 1.0
 Node: Node B-4B
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.6900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.6900	B-4B	B-4B	~SFWMD-72

Comment:

Node: NE Offsite

Scenario: 100/3 Zero Discharge
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	24.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Portion of flow that leaks to the NE from Basin B-4. Stage assumed same as the main tailwater.

Node: Node B-1A

Scenario: 100/3 Zero Discharge
 Type: Stage/Area
 Base Flow: 0.00 cfs

Initial Stage: 2.10 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.10	0.0000	0
2.20	0.0200	871
2.30	0.0300	1307
2.40	0.0500	2178
2.50	0.0600	2614
2.60	0.1000	4356
2.70	0.1300	5663
2.80	0.1800	7841
2.90	0.2500	10890
3.00	0.3200	13939
3.10	0.3800	16553
3.20	0.4500	19602
3.30	0.5100	22216
3.40	0.5800	25265
3.50	0.6500	28314
3.60	0.7100	30928
3.70	0.7800	33977
3.80	0.8500	37026
3.90	0.9100	39640
4.00	0.9800	42689
4.10	1.0400	45302
4.20	1.1100	48352
4.30	1.1600	50530
4.40	1.2200	53143
4.50	1.2700	55321
4.60	1.3200	57499
4.70	1.3700	59677
4.80	1.4300	62291
4.90	1.4800	64469
5.00	1.5300	66647
5.10	1.5800	68825
5.20	1.6300	71003
5.30	1.6800	73181
5.40	1.7300	75359
5.50	1.7800	77537
5.60	1.8300	79715
5.70	1.8700	81457
5.80	1.9200	83635
5.90	1.9700	85813
6.00	2.3800	103673
6.10	2.4200	105415
6.20	2.4700	107593
6.30	2.5200	109771
6.40	2.5700	111949
6.50	2.6100	113692
6.60	2.6500	115434
6.70	2.6900	117176
6.80	2.7300	118919
6.90	2.7600	120226
7.00	2.8000	121968
7.10	2.8400	123710

Stage [ft]	Area [ac]	Area [ft2]
7.20	2.8800	125453
7.30	2.9200	127195
7.40	2.9600	128938
7.50	3.0000	130680
7.60	3.0300	131987
7.70	3.0600	133294
7.80	3.0900	134600
7.90	3.1200	135907
8.00	3.1500	137214

Comment:

Node: Node B-1B

Scenario: 100/3 Zero Discharge

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 2.70 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.70	0.0000	0
3.20	0.0100	436
3.30	0.0100	436
3.40	0.0100	436
3.50	0.0100	436
3.60	0.0200	871
3.70	0.0200	871
3.80	0.0200	871
3.90	0.0200	871
4.00	0.0300	1307
4.10	0.0500	2178
4.20	0.0800	3485
4.30	0.1000	4356
4.40	0.1300	5663
4.50	0.1600	6970
4.60	0.1800	7841
4.70	0.2100	9148
4.80	0.2300	10019
4.90	0.2600	11326
5.00	0.2900	12632
5.10	0.3100	13504
5.20	0.3400	14810
5.30	0.3600	15682
5.40	0.3900	16988
5.50	0.4200	18295
5.60	0.4400	19166
5.70	0.4700	20473
5.80	0.4900	21344
5.90	0.5200	22651
6.00	0.7500	32670
6.10	0.7700	33541
6.20	0.7900	34412
6.30	0.8200	35719

Stage [ft]	Area [ac]	Area [ft2]
6.40	0.8400	36590
6.50	0.8600	37462
6.60	0.8900	38768
6.70	0.9100	39640
6.80	0.9400	40946
6.90	0.9600	41818
7.00	0.9800	42689
7.10	1.0100	43996
7.20	1.0300	44867
7.30	1.0500	45738
7.40	1.0800	47045
7.50	1.1000	47916
7.60	1.1300	49223
7.70	1.1500	50094
7.80	1.1700	50965
7.90	1.2000	52272
8.00	1.2200	53143

Comment:

Node: Node B-2

Scenario: 100/3 Zero Discharge

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 1.50 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
1.60	0.0200	871
1.70	0.0300	1307
1.80	0.0500	2178
1.90	0.0700	3049
2.00	0.0800	3485
2.10	0.0900	3920
2.20	0.0900	3920
2.30	0.1000	4356
2.40	0.1100	4792
2.50	0.1200	5227
2.60	0.1400	6098
2.70	0.1700	7405
2.80	0.2000	8712
2.90	0.2300	10019
3.00	0.2400	10454
3.10	0.3100	13504
3.20	0.3700	16117
3.30	0.4400	19166
3.40	0.5100	22216
3.50	0.6000	26136
3.60	0.7000	30492
3.70	0.7900	34412
3.80	0.8800	38333
3.90	0.9700	42253

Stage [ft]	Area [ac]	Area [ft2]
4.00	1.0700	46609
4.10	1.1600	50530
4.20	1.2400	54014
4.30	1.3300	57935
4.40	1.4100	61420
4.50	1.5000	65340
4.60	1.6000	69696
4.70	1.7000	74052
4.80	1.7900	77972
4.90	1.8900	82328
5.00	1.9900	86684
5.10	2.0800	90605
5.20	2.1600	94090
5.30	2.2400	97574
5.40	2.3200	101059
5.50	2.4000	104544
5.60	2.4700	107593
5.70	2.5500	111078
5.80	2.6300	114563
5.90	2.7100	118048
6.00	3.7200	162043
6.10	3.8000	165528
6.20	3.8700	168577
6.30	3.9500	172062
6.40	4.0200	175111
6.50	4.1000	178596
6.60	4.1700	181645
6.70	4.2500	185130
6.80	4.3200	188179
6.90	4.4000	191664
7.00	4.4700	194713

Comment:

Node: Node B-3

Scenario: 100/3 Zero Discharge
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.00	0.0000	0
0.40	0.0000	0
0.50	0.2500	10890
0.60	0.2500	10890
0.70	0.2600	11326
0.80	0.2600	11326
0.90	0.2700	11761
1.00	0.2700	11761
1.10	0.2800	12197
1.20	0.2800	12197
1.30	0.2900	12632

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.2900	12632
1.50	0.2900	12632
1.60	0.3600	15682
1.70	0.4300	18731
1.80	0.5100	22216
1.90	0.6000	26136
2.00	0.7000	30492
2.10	0.7900	34412
2.20	0.8800	38333
2.30	0.9700	42253
2.40	1.0600	46174
2.50	1.1500	50094
2.60	1.2400	54014
2.70	1.3300	57935
2.80	1.4200	61855
2.90	1.5100	65776
3.00	1.6000	69696
3.10	1.7000	74052
3.20	1.7900	77972
3.30	1.9300	84071
3.40	2.1200	92347
3.50	2.2100	96268
3.60	2.2900	99752
3.70	2.3700	103237
3.80	2.4500	106722
3.90	2.5200	109771
4.00	2.6000	113256
4.10	2.6800	116741
4.20	2.7600	120226
4.30	2.8400	123710
4.40	2.9200	127195
4.50	2.9900	130244
4.60	3.0700	133729
4.70	3.1500	137214
4.80	3.2300	140699
4.90	3.3100	144184
5.00	3.3900	147668
5.10	3.4600	150718
5.20	3.5400	154202
5.30	3.6200	157687
5.40	3.7000	161172
5.50	3.7800	164657
5.60	3.8500	167706
5.70	3.9300	171191
5.80	4.0100	174676
5.90	4.0900	178160
6.00	5.2800	229997
6.10	5.3600	233482
6.20	5.4400	236966
6.30	5.5200	240451
6.40	5.6000	243936
6.50	5.6700	246985
6.60	5.7500	250470
6.70	5.8300	253955
6.80	5.9100	257440

Stage [ft]	Area [ac]	Area [ft2]
6.90	5.9900	260924
7.00	6.0700	264409

Comment:

Node: Node B-4A

Scenario: 100/3 Zero Discharge
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
2.00	0.0000	0
2.10	0.0200	871
2.20	0.0500	2178
2.30	0.0700	3049
2.40	0.0900	3920
2.50	0.1200	5227
2.60	0.1500	6534
2.70	0.1900	8276
2.80	0.2300	10019
2.90	0.2700	11761
3.00	0.3000	13068
3.10	0.3400	14810
3.20	0.3800	16553
3.30	0.4100	17860
3.40	0.4500	19602
3.50	0.4900	21344
3.60	0.5300	23087
3.70	0.5600	24394
3.80	0.6000	26136
3.90	0.6400	27878
4.00	0.6800	29621
4.10	0.7100	30928
4.20	0.7500	32670
4.30	0.7900	34412
4.40	0.8200	35719
4.50	0.8600	37462
4.60	0.9000	39204
4.70	0.9400	40946
4.80	0.9700	42253
4.90	1.0100	43996
5.00	1.0500	45738
5.10	1.0900	47480
5.20	1.1200	48787
5.30	1.1600	50530
5.40	1.2000	52272
5.50	1.2300	53579
5.60	1.2700	55321
5.70	1.3100	57064
5.80	1.3500	58806

Stage [ft]	Area [ac]	Area [ft2]
5.90	1.3800	60113
6.00	1.7600	76666
6.10	1.8000	78408
6.20	1.8400	80150
6.30	1.8700	81457
6.40	1.9100	83200
6.50	1.9500	84942
6.60	1.9900	86684
6.70	2.0200	87991
6.80	2.0600	89734
6.90	2.1000	91476
7.00	2.1400	93218
7.10	2.1700	94525
7.20	2.2100	96268
7.30	2.2500	98010
7.40	2.2800	99317
7.50	2.3200	101059
7.60	2.3500	102366
7.70	2.3700	103237
7.80	2.3900	104108
7.90	2.4200	105415
8.00	2.4400	106286

Comment:

Node: Node B-4B

Scenario: 100/3 Zero Discharge
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0000	0
1.50	0.0600	2614
1.60	0.0600	2614
1.70	0.0600	2614
1.80	0.0700	3049
1.90	0.0700	3049
2.00	0.0700	3049
2.10	0.0900	3920
2.20	0.1100	4792
2.30	0.1300	5663
2.40	0.1500	6534
2.50	0.1700	7405
2.60	0.2000	8712
2.70	0.2200	9583
2.80	0.2500	10890
2.90	0.2800	12197
3.00	0.3000	13068
3.10	0.3300	14375
3.20	0.3600	15682
3.30	0.3800	16553

Stage [ft]	Area [ac]	Area [ft2]
3.40	0.4100	17860
3.50	0.4400	19166
3.60	0.4600	20038
3.70	0.4900	21344
3.80	0.5200	22651
3.90	0.5400	23522
4.00	0.5700	24829
4.10	0.6000	26136
4.20	0.6200	27007
4.30	0.6400	27878
4.40	0.6400	27878
4.50	0.6400	27878
4.60	0.6400	27878
4.70	0.6400	27878
4.80	0.6400	27878
4.90	0.6400	27878
5.00	0.6400	27878
5.10	0.6400	27878
5.20	0.6400	27878
5.30	0.6400	27878
5.40	0.6400	27878
5.50	0.6400	27878
5.60	0.6400	27878
5.70	0.6400	27878
5.80	0.6400	27878
5.90	0.6400	27878
6.00	0.6900	30056
6.10	0.6900	30056
6.20	0.6900	30056
6.30	0.6900	30056
6.40	0.6900	30056
6.50	0.6900	30056
6.60	0.6900	30056
6.70	0.6900	30056
6.80	0.6900	30056
6.90	0.6900	30056
7.00	0.6900	30056
7.10	0.6900	30056
7.20	0.6900	30056
7.30	0.6900	30056
7.40	0.6900	30056
7.50	0.6900	30056
7.60	0.6900	30056
7.70	0.6900	30056
7.80	0.6900	30056
7.90	0.6900	30056
8.00	0.6900	30056

Comment:

Node: Node Dummy MH2

Scenario: 100/3 Zero Discharge

Type: Stage/Area

Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
3.00	0.0010	44
3.01	0.0010	44

Comment: Dummy Node for Type E Inlet interior in Node B-4B

Node: SE Offsite

Scenario: 100/3 Zero Discharge
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	24.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Portion of flow that leaks to the S from Site 3. Stage assumed same as the main tailwater.

Node: TW

Scenario: 100/3 Zero Discharge
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	24.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Stage information taken from CAPTEC analysis for All American Ditch Stormwater Quality Retrofit, dated August 2015. Stage determined to be conservative, but not so high as to not be able to truly analyze the stormwater system.

Node: NE Offsite

Scenario: 25Y-3D System Recovery
 Type: Time/Stage
 Base Flow: 0.00 cfs

Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	24.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Portion of flow that leaks to the NE from Basin B-4. Stage assumed same as the main tailwater.

Node: Node B-1A

Scenario: 25Y-3D System Recovery
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.10 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.10	0.0000	0
2.20	0.0200	871
2.30	0.0300	1307
2.40	0.0500	2178
2.50	0.0600	2614
2.60	0.1000	4356
2.70	0.1300	5663
2.80	0.1800	7841
2.90	0.2500	10890
3.00	0.3200	13939
3.10	0.3800	16553
3.20	0.4500	19602
3.30	0.5100	22216
3.40	0.5800	25265
3.50	0.6500	28314
3.60	0.7100	30928
3.70	0.7800	33977
3.80	0.8500	37026
3.90	0.9100	39640
4.00	0.9800	42689
4.10	1.0400	45302
4.20	1.1100	48352
4.30	1.1600	50530
4.40	1.2200	53143
4.50	1.2700	55321
4.60	1.3200	57499
4.70	1.3700	59677
4.80	1.4300	62291
4.90	1.4800	64469
5.00	1.5300	66647
5.10	1.5800	68825
5.20	1.6300	71003
5.30	1.6800	73181

Stage [ft]	Area [ac]	Area [ft2]
5.40	1.7300	75359
5.50	1.7800	77537
5.60	1.8300	79715
5.70	1.8700	81457
5.80	1.9200	83635
5.90	1.9700	85813
6.00	2.3800	103673
6.10	2.4200	105415
6.20	2.4700	107593
6.30	2.5200	109771
6.40	2.5700	111949
6.50	2.6100	113692
6.60	2.6500	115434
6.70	2.6900	117176
6.80	2.7300	118919
6.90	2.7600	120226
7.00	2.8000	121968
7.10	2.8400	123710
7.20	2.8800	125453
7.30	2.9200	127195
7.40	2.9600	128938
7.50	3.0000	130680
7.60	3.0300	131987
7.70	3.0600	133294
7.80	3.0900	134600
7.90	3.1200	135907
8.00	3.1500	137214

Comment:

Node: Node B-1B

Scenario: 25Y-3D System Recovery
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.70 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.70	0.0000	0
3.20	0.0100	436
3.30	0.0100	436
3.40	0.0100	436
3.50	0.0100	436
3.60	0.0200	871
3.70	0.0200	871
3.80	0.0200	871
3.90	0.0200	871
4.00	0.0300	1307
4.10	0.0500	2178
4.20	0.0800	3485
4.30	0.1000	4356
4.40	0.1300	5663
4.50	0.1600	6970

Stage [ft]	Area [ac]	Area [ft2]
4.60	0.1800	7841
4.70	0.2100	9148
4.80	0.2300	10019
4.90	0.2600	11326
5.00	0.2900	12632
5.10	0.3100	13504
5.20	0.3400	14810
5.30	0.3600	15682
5.40	0.3900	16988
5.50	0.4200	18295
5.60	0.4400	19166
5.70	0.4700	20473
5.80	0.4900	21344
5.90	0.5200	22651
6.00	0.7500	32670
6.10	0.7700	33541
6.20	0.7900	34412
6.30	0.8200	35719
6.40	0.8400	36590
6.50	0.8600	37462
6.60	0.8900	38768
6.70	0.9100	39640
6.80	0.9400	40946
6.90	0.9600	41818
7.00	0.9800	42689
7.10	1.0100	43996
7.20	1.0300	44867
7.30	1.0500	45738
7.40	1.0800	47045
7.50	1.1000	47916
7.60	1.1300	49223
7.70	1.1500	50094
7.80	1.1700	50965
7.90	1.2000	52272
8.00	1.2200	53143

Comment:

Node: Node B-2

Scenario: 25Y-3D System Recovery
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
1.60	0.0200	871
1.70	0.0300	1307
1.80	0.0500	2178
1.90	0.0700	3049
2.00	0.0800	3485
2.10	0.0900	3920

Stage [ft]	Area [ac]	Area [ft2]
2.20	0.0900	3920
2.30	0.1000	4356
2.40	0.1100	4792
2.50	0.1200	5227
2.60	0.1400	6098
2.70	0.1700	7405
2.80	0.2000	8712
2.90	0.2300	10019
3.00	0.2400	10454
3.10	0.3100	13504
3.20	0.3700	16117
3.30	0.4400	19166
3.40	0.5100	22216
3.50	0.6000	26136
3.60	0.7000	30492
3.70	0.7900	34412
3.80	0.8800	38333
3.90	0.9700	42253
4.00	1.0700	46609
4.10	1.1600	50530
4.20	1.2400	54014
4.30	1.3300	57935
4.40	1.4100	61420
4.50	1.5000	65340
4.60	1.6000	69696
4.70	1.7000	74052
4.80	1.7900	77972
4.90	1.8900	82328
5.00	1.9900	86684
5.10	2.0800	90605
5.20	2.1600	94090
5.30	2.2400	97574
5.40	2.3200	101059
5.50	2.4000	104544
5.60	2.4700	107593
5.70	2.5500	111078
5.80	2.6300	114563
5.90	2.7100	118048
6.00	3.7200	162043
6.10	3.8000	165528
6.20	3.8700	168577
6.30	3.9500	172062
6.40	4.0200	175111
6.50	4.1000	178596
6.60	4.1700	181645
6.70	4.2500	185130
6.80	4.3200	188179
6.90	4.4000	191664
7.00	4.4700	194713

Comment:

Node: Node B-3

Scenario: 25Y-3D System Recovery
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.00	0.0000	0
0.40	0.0000	0
0.50	0.2500	10890
0.60	0.2500	10890
0.70	0.2600	11326
0.80	0.2600	11326
0.90	0.2700	11761
1.00	0.2700	11761
1.10	0.2800	12197
1.20	0.2800	12197
1.30	0.2900	12632
1.40	0.2900	12632
1.50	0.2900	12632
1.60	0.3600	15682
1.70	0.4300	18731
1.80	0.5100	22216
1.90	0.6000	26136
2.00	0.7000	30492
2.10	0.7900	34412
2.20	0.8800	38333
2.30	0.9700	42253
2.40	1.0600	46174
2.50	1.1500	50094
2.60	1.2400	54014
2.70	1.3300	57935
2.80	1.4200	61855
2.90	1.5100	65776
3.00	1.6000	69696
3.10	1.7000	74052
3.20	1.7900	77972
3.30	1.9300	84071
3.40	2.1200	92347
3.50	2.2100	96268
3.60	2.2900	99752
3.70	2.3700	103237
3.80	2.4500	106722
3.90	2.5200	109771
4.00	2.6000	113256
4.10	2.6800	116741
4.20	2.7600	120226
4.30	2.8400	123710
4.40	2.9200	127195
4.50	2.9900	130244
4.60	3.0700	133729
4.70	3.1500	137214
4.80	3.2300	140699
4.90	3.3100	144184
5.00	3.3900	147668
5.10	3.4600	150718

Stage [ft]	Area [ac]	Area [ft2]
5.20	3.5400	154202
5.30	3.6200	157687
5.40	3.7000	161172
5.50	3.7800	164657
5.60	3.8500	167706
5.70	3.9300	171191
5.80	4.0100	174676
5.90	4.0900	178160
6.00	5.2800	229997
6.10	5.3600	233482
6.20	5.4400	236966
6.30	5.5200	240451
6.40	5.6000	243936
6.50	5.6700	246985
6.60	5.7500	250470
6.70	5.8300	253955
6.80	5.9100	257440
6.90	5.9900	260924
7.00	6.0700	264409

Comment:

Node: Node B-4A

Scenario: 25Y-3D System Recovery

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 0.50 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
2.00	0.0000	0
2.10	0.0200	871
2.20	0.0500	2178
2.30	0.0700	3049
2.40	0.0900	3920
2.50	0.1200	5227
2.60	0.1500	6534
2.70	0.1900	8276
2.80	0.2300	10019
2.90	0.2700	11761
3.00	0.3000	13068
3.10	0.3400	14810
3.20	0.3800	16553
3.30	0.4100	17860
3.40	0.4500	19602
3.50	0.4900	21344
3.60	0.5300	23087
3.70	0.5600	24394
3.80	0.6000	26136
3.90	0.6400	27878
4.00	0.6800	29621
4.10	0.7100	30928

Stage [ft]	Area [ac]	Area [ft2]
4.20	0.7500	32670
4.30	0.7900	34412
4.40	0.8200	35719
4.50	0.8600	37462
4.60	0.9000	39204
4.70	0.9400	40946
4.80	0.9700	42253
4.90	1.0100	43996
5.00	1.0500	45738
5.10	1.0900	47480
5.20	1.1200	48787
5.30	1.1600	50530
5.40	1.2000	52272
5.50	1.2300	53579
5.60	1.2700	55321
5.70	1.3100	57064
5.80	1.3500	58806
5.90	1.3800	60113
6.00	1.7600	76666
6.10	1.8000	78408
6.20	1.8400	80150
6.30	1.8700	81457
6.40	1.9100	83200
6.50	1.9500	84942
6.60	1.9900	86684
6.70	2.0200	87991
6.80	2.0600	89734
6.90	2.1000	91476
7.00	2.1400	93218
7.10	2.1700	94525
7.20	2.2100	96268
7.30	2.2500	98010
7.40	2.2800	99317
7.50	2.3200	101059
7.60	2.3500	102366
7.70	2.3700	103237
7.80	2.3900	104108
7.90	2.4200	105415
8.00	2.4400	106286

Comment:

Node: Node B-4B

Scenario: 25Y-3D System Recovery
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0000	0
1.50	0.0600	2614
1.60	0.0600	2614

Stage [ft]	Area [ac]	Area [ft2]
1.70	0.0600	2614
1.80	0.0700	3049
1.90	0.0700	3049
2.00	0.0700	3049
2.10	0.0900	3920
2.20	0.1100	4792
2.30	0.1300	5663
2.40	0.1500	6534
2.50	0.1700	7405
2.60	0.2000	8712
2.70	0.2200	9583
2.80	0.2500	10890
2.90	0.2800	12197
3.00	0.3000	13068
3.10	0.3300	14375
3.20	0.3600	15682
3.30	0.3800	16553
3.40	0.4100	17860
3.50	0.4400	19166
3.60	0.4600	20038
3.70	0.4900	21344
3.80	0.5200	22651
3.90	0.5400	23522
4.00	0.5700	24829
4.10	0.6000	26136
4.20	0.6200	27007
4.30	0.6400	27878
4.40	0.6400	27878
4.50	0.6400	27878
4.60	0.6400	27878
4.70	0.6400	27878
4.80	0.6400	27878
4.90	0.6400	27878
5.00	0.6400	27878
5.10	0.6400	27878
5.20	0.6400	27878
5.30	0.6400	27878
5.40	0.6400	27878
5.50	0.6400	27878
5.60	0.6400	27878
5.70	0.6400	27878
5.80	0.6400	27878
5.90	0.6400	27878
6.00	0.6900	30056
6.10	0.6900	30056
6.20	0.6900	30056
6.30	0.6900	30056
6.40	0.6900	30056
6.50	0.6900	30056
6.60	0.6900	30056
6.70	0.6900	30056
6.80	0.6900	30056
6.90	0.6900	30056
7.00	0.6900	30056
7.10	0.6900	30056

Stage [ft]	Area [ac]	Area [ft2]
7.20	0.6900	30056
7.30	0.6900	30056
7.40	0.6900	30056
7.50	0.6900	30056
7.60	0.6900	30056
7.70	0.6900	30056
7.80	0.6900	30056
7.90	0.6900	30056
8.00	0.6900	30056

Comment:

Node: Node Dummy MH2

Scenario: 25Y-3D System Recovery
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
3.00	0.0010	44
3.01	0.0010	44

Comment: Dummy Node for Type E Inlet interior in Node B-4B

Node: SE Offsite

Scenario: 25Y-3D System Recovery
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	24.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Portion of flow that leaks to the S from Site 3. Stage assumed same as the main tailwater.

Node: TW

Scenario: 25Y-3D System Recovery
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft

Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	24.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Stage information taken from CAPTEC analysis for All American Ditch Stormwater Quality Retrofit, dated August 2015. Stage determined to be conservative, but not so high as to not be able to truly analyze the stormwater system.

Node: NE Offsite

Scenario: Proposed
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	24.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Portion of flow that leaks to the NE from Basin B-4. Stage assumed same as the main tailwater.

Node: Node B-1A

Scenario: Proposed
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.10 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.10	0.0000	0
2.20	0.0200	871
2.30	0.0300	1307
2.40	0.0500	2178
2.50	0.0600	2614
2.60	0.1000	4356
2.70	0.1300	5663
2.80	0.1800	7841
2.90	0.2500	10890
3.00	0.3200	13939
3.10	0.3800	16553
3.20	0.4500	19602
3.30	0.5100	22216
3.40	0.5800	25265

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.6500	28314
3.60	0.7100	30928
3.70	0.7800	33977
3.80	0.8500	37026
3.90	0.9100	39640
4.00	0.9800	42689
4.10	1.0400	45302
4.20	1.1100	48352
4.30	1.1600	50530
4.40	1.2200	53143
4.50	1.2700	55321
4.60	1.3200	57499
4.70	1.3700	59677
4.80	1.4300	62291
4.90	1.4800	64469
5.00	1.5300	66647
5.10	1.5800	68825
5.20	1.6300	71003
5.30	1.6800	73181
5.40	1.7300	75359
5.50	1.7800	77537
5.60	1.8300	79715
5.70	1.8700	81457
5.80	1.9200	83635
5.90	1.9700	85813
6.00	2.3800	103673
6.10	2.4200	105415
6.20	2.4700	107593
6.30	2.5200	109771
6.40	2.5700	111949
6.50	2.6100	113692
6.60	2.6500	115434
6.70	2.6900	117176
6.80	2.7300	118919
6.90	2.7600	120226
7.00	2.8000	121968
7.10	2.8400	123710
7.20	2.8800	125453
7.30	2.9200	127195
7.40	2.9600	128938
7.50	3.0000	130680
7.60	3.0300	131987
7.70	3.0600	133294
7.80	3.0900	134600
7.90	3.1200	135907
8.00	3.1500	137214

Comment:

Node: Node B-1B

Scenario: Proposed
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 2.70 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.70	0.0000	0
3.20	0.0100	436
3.30	0.0100	436
3.40	0.0100	436
3.50	0.0100	436
3.60	0.0200	871
3.70	0.0200	871
3.80	0.0200	871
3.90	0.0200	871
4.00	0.0300	1307
4.10	0.0500	2178
4.20	0.0800	3485
4.30	0.1000	4356
4.40	0.1300	5663
4.50	0.1600	6970
4.60	0.1800	7841
4.70	0.2100	9148
4.80	0.2300	10019
4.90	0.2600	11326
5.00	0.2900	12632
5.10	0.3100	13504
5.20	0.3400	14810
5.30	0.3600	15682
5.40	0.3900	16988
5.50	0.4200	18295
5.60	0.4400	19166
5.70	0.4700	20473
5.80	0.4900	21344
5.90	0.5200	22651
6.00	0.7500	32670
6.10	0.7700	33541
6.20	0.7900	34412
6.30	0.8200	35719
6.40	0.8400	36590
6.50	0.8600	37462
6.60	0.8900	38768
6.70	0.9100	39640
6.80	0.9400	40946
6.90	0.9600	41818
7.00	0.9800	42689
7.10	1.0100	43996
7.20	1.0300	44867
7.30	1.0500	45738
7.40	1.0800	47045
7.50	1.1000	47916
7.60	1.1300	49223
7.70	1.1500	50094
7.80	1.1700	50965
7.90	1.2000	52272
8.00	1.2200	53143

Comment:

Node: Node B-2

Scenario: Proposed
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.50 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
1.60	0.0200	871
1.70	0.0300	1307
1.80	0.0500	2178
1.90	0.0700	3049
2.00	0.0800	3485
2.10	0.0900	3920
2.20	0.0900	3920
2.30	0.1000	4356
2.40	0.1100	4792
2.50	0.1200	5227
2.60	0.1400	6098
2.70	0.1700	7405
2.80	0.2000	8712
2.90	0.2300	10019
3.00	0.2400	10454
3.10	0.3100	13504
3.20	0.3700	16117
3.30	0.4400	19166
3.40	0.5100	22216
3.50	0.6000	26136
3.60	0.7000	30492
3.70	0.7900	34412
3.80	0.8800	38333
3.90	0.9700	42253
4.00	1.0700	46609
4.10	1.1600	50530
4.20	1.2400	54014
4.30	1.3300	57935
4.40	1.4100	61420
4.50	1.5000	65340
4.60	1.6000	69696
4.70	1.7000	74052
4.80	1.7900	77972
4.90	1.8900	82328
5.00	1.9900	86684
5.10	2.0800	90605
5.20	2.1600	94090
5.30	2.2400	97574
5.40	2.3200	101059
5.50	2.4000	104544
5.60	2.4700	107593
5.70	2.5500	111078
5.80	2.6300	114563
5.90	2.7100	118048
6.00	3.7200	162043
6.10	3.8000	165528
6.20	3.8700	168577

Stage [ft]	Area [ac]	Area [ft2]
6.30	3.9500	172062
6.40	4.0200	175111
6.50	4.1000	178596
6.60	4.1700	181645
6.70	4.2500	185130
6.80	4.3200	188179
6.90	4.4000	191664
7.00	4.4700	194713

Comment:

Node: Node B-3

Scenario: Proposed
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.00	0.0000	0
0.40	0.0000	0
0.50	0.2500	10890
0.60	0.2500	10890
0.70	0.2600	11326
0.80	0.2600	11326
0.90	0.2700	11761
1.00	0.2700	11761
1.10	0.2800	12197
1.20	0.2800	12197
1.30	0.2900	12632
1.40	0.2900	12632
1.50	0.2900	12632
1.60	0.3600	15682
1.70	0.4300	18731
1.80	0.5100	22216
1.90	0.6000	26136
2.00	0.7000	30492
2.10	0.7900	34412
2.20	0.8800	38333
2.30	0.9700	42253
2.40	1.0600	46174
2.50	1.1500	50094
2.60	1.2400	54014
2.70	1.3300	57935
2.80	1.4200	61855
2.90	1.5100	65776
3.00	1.6000	69696
3.10	1.7000	74052
3.20	1.7900	77972
3.30	1.9300	84071
3.40	2.1200	92347
3.50	2.2100	96268
3.60	2.2900	99752

Stage [ft]	Area [ac]	Area [ft2]
3.70	2.3700	103237
3.80	2.4500	106722
3.90	2.5200	109771
4.00	2.6000	113256
4.10	2.6800	116741
4.20	2.7600	120226
4.30	2.8400	123710
4.40	2.9200	127195
4.50	2.9900	130244
4.60	3.0700	133729
4.70	3.1500	137214
4.80	3.2300	140699
4.90	3.3100	144184
5.00	3.3900	147668
5.10	3.4600	150718
5.20	3.5400	154202
5.30	3.6200	157687
5.40	3.7000	161172
5.50	3.7800	164657
5.60	3.8500	167706
5.70	3.9300	171191
5.80	4.0100	174676
5.90	4.0900	178160
6.00	5.2800	229997
6.10	5.3600	233482
6.20	5.4400	236966
6.30	5.5200	240451
6.40	5.6000	243936
6.50	5.6700	246985
6.60	5.7500	250470
6.70	5.8300	253955
6.80	5.9100	257440
6.90	5.9900	260924
7.00	6.0700	264409

Comment:

Node: Node B-4A

Scenario: Proposed
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
2.00	0.0000	0
2.10	0.0200	871
2.20	0.0500	2178
2.30	0.0700	3049
2.40	0.0900	3920
2.50	0.1200	5227
2.60	0.1500	6534

Stage [ft]	Area [ac]	Area [ft2]
2.70	0.1900	8276
2.80	0.2300	10019
2.90	0.2700	11761
3.00	0.3000	13068
3.10	0.3400	14810
3.20	0.3800	16553
3.30	0.4100	17860
3.40	0.4500	19602
3.50	0.4900	21344
3.60	0.5300	23087
3.70	0.5600	24394
3.80	0.6000	26136
3.90	0.6400	27878
4.00	0.6800	29621
4.10	0.7100	30928
4.20	0.7500	32670
4.30	0.7900	34412
4.40	0.8200	35719
4.50	0.8600	37462
4.60	0.9000	39204
4.70	0.9400	40946
4.80	0.9700	42253
4.90	1.0100	43996
5.00	1.0500	45738
5.10	1.0900	47480
5.20	1.1200	48787
5.30	1.1600	50530
5.40	1.2000	52272
5.50	1.2300	53579
5.60	1.2700	55321
5.70	1.3100	57064
5.80	1.3500	58806
5.90	1.3800	60113
6.00	1.7600	76666
6.10	1.8000	78408
6.20	1.8400	80150
6.30	1.8700	81457
6.40	1.9100	83200
6.50	1.9500	84942
6.60	1.9900	86684
6.70	2.0200	87991
6.80	2.0600	89734
6.90	2.1000	91476
7.00	2.1400	93218
7.10	2.1700	94525
7.20	2.2100	96268
7.30	2.2500	98010
7.40	2.2800	99317
7.50	2.3200	101059
7.60	2.3500	102366
7.70	2.3700	103237
7.80	2.3900	104108
7.90	2.4200	105415
8.00	2.4400	106286

Comment:

Node: Node B-4B

Scenario: Proposed
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.50 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0000	0
1.50	0.0600	2614
1.60	0.0600	2614
1.70	0.0600	2614
1.80	0.0700	3049
1.90	0.0700	3049
2.00	0.0700	3049
2.10	0.0900	3920
2.20	0.1100	4792
2.30	0.1300	5663
2.40	0.1500	6534
2.50	0.1700	7405
2.60	0.2000	8712
2.70	0.2200	9583
2.80	0.2500	10890
2.90	0.2800	12197
3.00	0.3000	13068
3.10	0.3300	14375
3.20	0.3600	15682
3.30	0.3800	16553
3.40	0.4100	17860
3.50	0.4400	19166
3.60	0.4600	20038
3.70	0.4900	21344
3.80	0.5200	22651
3.90	0.5400	23522
4.00	0.5700	24829
4.10	0.6000	26136
4.20	0.6200	27007
4.30	0.6400	27878
4.40	0.6400	27878
4.50	0.6400	27878
4.60	0.6400	27878
4.70	0.6400	27878
4.80	0.6400	27878
4.90	0.6400	27878
5.00	0.6400	27878
5.10	0.6400	27878
5.20	0.6400	27878
5.30	0.6400	27878
5.40	0.6400	27878
5.50	0.6400	27878
5.60	0.6400	27878
5.70	0.6400	27878

Stage [ft]	Area [ac]	Area [ft2]
5.80	0.6400	27878
5.90	0.6400	27878
6.00	0.6900	30056
6.10	0.6900	30056
6.20	0.6900	30056
6.30	0.6900	30056
6.40	0.6900	30056
6.50	0.6900	30056
6.60	0.6900	30056
6.70	0.6900	30056
6.80	0.6900	30056
6.90	0.6900	30056
7.00	0.6900	30056
7.10	0.6900	30056
7.20	0.6900	30056
7.30	0.6900	30056
7.40	0.6900	30056
7.50	0.6900	30056
7.60	0.6900	30056
7.70	0.6900	30056
7.80	0.6900	30056
7.90	0.6900	30056
8.00	0.6900	30056

Comment:

Node: Node Dummy MH2

Scenario: Proposed
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
3.00	0.0010	44
3.01	0.0010	44

Comment: Dummy Node for Type E Inlet interior in Node B-4B

Node: SE Offsite

Scenario: Proposed
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50

Year	Month	Day	Hour	Stage [ft]
0	0	0	24.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Portion of flow that leaks to the S from Site 3. Stage assumed same as the main tailwater.

Node: TW

Scenario: Proposed
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.50
0	0	0	24.0000	0.50
0	0	0	60.0000	1.00
0	0	0	360.0000	0.50

Comment: Stage information taken from CAPTEC analysis for All American Ditch Stormwater Quality Retrofit, dated August 2015. Stage determined to be conservative, but not so high as to not be able to truly analyze the stormwater system.

Node: NE Offsite

Scenario: Proposed with TW at 1.0
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.00
0	0	0	24.0000	1.00
0	0	0	60.0000	1.00
0	0	0	360.0000	1.00

Comment: Portion of flow that leaks to the NE from Basin B-4. Stage assumed same as the main tailwater.

Node: Node B-1A

Scenario: Proposed with TW at 1.0
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.10 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.10	0.0000	0
2.20	0.0200	871
2.30	0.0300	1307
2.40	0.0500	2178
2.50	0.0600	2614
2.60	0.1000	4356
2.70	0.1300	5663
2.80	0.1800	7841
2.90	0.2500	10890
3.00	0.3200	13939
3.10	0.3800	16553
3.20	0.4500	19602
3.30	0.5100	22216
3.40	0.5800	25265
3.50	0.6500	28314
3.60	0.7100	30928
3.70	0.7800	33977
3.80	0.8500	37026
3.90	0.9100	39640
4.00	0.9800	42689
4.10	1.0400	45302
4.20	1.1100	48352
4.30	1.1600	50530
4.40	1.2200	53143
4.50	1.2700	55321
4.60	1.3200	57499
4.70	1.3700	59677
4.80	1.4300	62291
4.90	1.4800	64469
5.00	1.5300	66647
5.10	1.5800	68825
5.20	1.6300	71003
5.30	1.6800	73181
5.40	1.7300	75359
5.50	1.7800	77537
5.60	1.8300	79715
5.70	1.8700	81457
5.80	1.9200	83635
5.90	1.9700	85813
6.00	2.3800	103673
6.10	2.4200	105415
6.20	2.4700	107593
6.30	2.5200	109771
6.40	2.5700	111949
6.50	2.6100	113692
6.60	2.6500	115434
6.70	2.6900	117176
6.80	2.7300	118919
6.90	2.7600	120226
7.00	2.8000	121968
7.10	2.8400	123710
7.20	2.8800	125453
7.30	2.9200	127195
7.40	2.9600	128938

Stage [ft]	Area [ac]	Area [ft2]
7.50	3.0000	130680
7.60	3.0300	131987
7.70	3.0600	133294
7.80	3.0900	134600
7.90	3.1200	135907
8.00	3.1500	137214

Comment:

Node: Node B-1B

Scenario: Proposed with TW at 1.0

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 2.70 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.70	0.0000	0
3.20	0.0100	436
3.30	0.0100	436
3.40	0.0100	436
3.50	0.0100	436
3.60	0.0200	871
3.70	0.0200	871
3.80	0.0200	871
3.90	0.0200	871
4.00	0.0300	1307
4.10	0.0500	2178
4.20	0.0800	3485
4.30	0.1000	4356
4.40	0.1300	5663
4.50	0.1600	6970
4.60	0.1800	7841
4.70	0.2100	9148
4.80	0.2300	10019
4.90	0.2600	11326
5.00	0.2900	12632
5.10	0.3100	13504
5.20	0.3400	14810
5.30	0.3600	15682
5.40	0.3900	16988
5.50	0.4200	18295
5.60	0.4400	19166
5.70	0.4700	20473
5.80	0.4900	21344
5.90	0.5200	22651
6.00	0.7500	32670
6.10	0.7700	33541
6.20	0.7900	34412
6.30	0.8200	35719
6.40	0.8400	36590
6.50	0.8600	37462
6.60	0.8900	38768

Stage [ft]	Area [ac]	Area [ft2]
6.70	0.9100	39640
6.80	0.9400	40946
6.90	0.9600	41818
7.00	0.9800	42689
7.10	1.0100	43996
7.20	1.0300	44867
7.30	1.0500	45738
7.40	1.0800	47045
7.50	1.1000	47916
7.60	1.1300	49223
7.70	1.1500	50094
7.80	1.1700	50965
7.90	1.2000	52272
8.00	1.2200	53143

Comment:

Node: Node B-2

Scenario: Proposed with TW at 1.0

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 1.50 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
1.60	0.0200	871
1.70	0.0300	1307
1.80	0.0500	2178
1.90	0.0700	3049
2.00	0.0800	3485
2.10	0.0900	3920
2.20	0.0900	3920
2.30	0.1000	4356
2.40	0.1100	4792
2.50	0.1200	5227
2.60	0.1400	6098
2.70	0.1700	7405
2.80	0.2000	8712
2.90	0.2300	10019
3.00	0.2400	10454
3.10	0.3100	13504
3.20	0.3700	16117
3.30	0.4400	19166
3.40	0.5100	22216
3.50	0.6000	26136
3.60	0.7000	30492
3.70	0.7900	34412
3.80	0.8800	38333
3.90	0.9700	42253
4.00	1.0700	46609
4.10	1.1600	50530
4.20	1.2400	54014

Stage [ft]	Area [ac]	Area [ft2]
4.30	1.3300	57935
4.40	1.4100	61420
4.50	1.5000	65340
4.60	1.6000	69696
4.70	1.7000	74052
4.80	1.7900	77972
4.90	1.8900	82328
5.00	1.9900	86684
5.10	2.0800	90605
5.20	2.1600	94090
5.30	2.2400	97574
5.40	2.3200	101059
5.50	2.4000	104544
5.60	2.4700	107593
5.70	2.5500	111078
5.80	2.6300	114563
5.90	2.7100	118048
6.00	3.7200	162043
6.10	3.8000	165528
6.20	3.8700	168577
6.30	3.9500	172062
6.40	4.0200	175111
6.50	4.1000	178596
6.60	4.1700	181645
6.70	4.2500	185130
6.80	4.3200	188179
6.90	4.4000	191664
7.00	4.4700	194713

Comment:

Node: Node B-3

Scenario: Proposed with TW at 1.0

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 1.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.00	0.0000	0
0.40	0.0000	0
0.50	0.2500	10890
0.60	0.2500	10890
0.70	0.2600	11326
0.80	0.2600	11326
0.90	0.2700	11761
1.00	0.2700	11761
1.10	0.2800	12197
1.20	0.2800	12197
1.30	0.2900	12632
1.40	0.2900	12632
1.50	0.2900	12632
1.60	0.3600	15682

Stage [ft]	Area [ac]	Area [ft2]
1.70	0.4300	18731
1.80	0.5100	22216
1.90	0.6000	26136
2.00	0.7000	30492
2.10	0.7900	34412
2.20	0.8800	38333
2.30	0.9700	42253
2.40	1.0600	46174
2.50	1.1500	50094
2.60	1.2400	54014
2.70	1.3300	57935
2.80	1.4200	61855
2.90	1.5100	65776
3.00	1.6000	69696
3.10	1.7000	74052
3.20	1.7900	77972
3.30	1.9300	84071
3.40	2.1200	92347
3.50	2.2100	96268
3.60	2.2900	99752
3.70	2.3700	103237
3.80	2.4500	106722
3.90	2.5200	109771
4.00	2.6000	113256
4.10	2.6800	116741
4.20	2.7600	120226
4.30	2.8400	123710
4.40	2.9200	127195
4.50	2.9900	130244
4.60	3.0700	133729
4.70	3.1500	137214
4.80	3.2300	140699
4.90	3.3100	144184
5.00	3.3900	147668
5.10	3.4600	150718
5.20	3.5400	154202
5.30	3.6200	157687
5.40	3.7000	161172
5.50	3.7800	164657
5.60	3.8500	167706
5.70	3.9300	171191
5.80	4.0100	174676
5.90	4.0900	178160
6.00	5.2800	229997
6.10	5.3600	233482
6.20	5.4400	236966
6.30	5.5200	240451
6.40	5.6000	243936
6.50	5.6700	246985
6.60	5.7500	250470
6.70	5.8300	253955
6.80	5.9100	257440
6.90	5.9900	260924
7.00	6.0700	264409

Comment:

Node: Node B-4A

Scenario: Proposed with TW at 1.0
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.00 ft
 Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
2.00	0.0000	0
2.10	0.0200	871
2.20	0.0500	2178
2.30	0.0700	3049
2.40	0.0900	3920
2.50	0.1200	5227
2.60	0.1500	6534
2.70	0.1900	8276
2.80	0.2300	10019
2.90	0.2700	11761
3.00	0.3000	13068
3.10	0.3400	14810
3.20	0.3800	16553
3.30	0.4100	17860
3.40	0.4500	19602
3.50	0.4900	21344
3.60	0.5300	23087
3.70	0.5600	24394
3.80	0.6000	26136
3.90	0.6400	27878
4.00	0.6800	29621
4.10	0.7100	30928
4.20	0.7500	32670
4.30	0.7900	34412
4.40	0.8200	35719
4.50	0.8600	37462
4.60	0.9000	39204
4.70	0.9400	40946
4.80	0.9700	42253
4.90	1.0100	43996
5.00	1.0500	45738
5.10	1.0900	47480
5.20	1.1200	48787
5.30	1.1600	50530
5.40	1.2000	52272
5.50	1.2300	53579
5.60	1.2700	55321
5.70	1.3100	57064
5.80	1.3500	58806
5.90	1.3800	60113
6.00	1.7600	76666
6.10	1.8000	78408
6.20	1.8400	80150

Stage [ft]	Area [ac]	Area [ft2]
6.30	1.8700	81457
6.40	1.9100	83200
6.50	1.9500	84942
6.60	1.9900	86684
6.70	2.0200	87991
6.80	2.0600	89734
6.90	2.1000	91476
7.00	2.1400	93218
7.10	2.1700	94525
7.20	2.2100	96268
7.30	2.2500	98010
7.40	2.2800	99317
7.50	2.3200	101059
7.60	2.3500	102366
7.70	2.3700	103237
7.80	2.3900	104108
7.90	2.4200	105415
8.00	2.4400	106286

Comment:

Node: Node B-4B

Scenario: Proposed with TW at 1.0

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 1.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0000	0
1.50	0.0600	2614
1.60	0.0600	2614
1.70	0.0600	2614
1.80	0.0700	3049
1.90	0.0700	3049
2.00	0.0700	3049
2.10	0.0900	3920
2.20	0.1100	4792
2.30	0.1300	5663
2.40	0.1500	6534
2.50	0.1700	7405
2.60	0.2000	8712
2.70	0.2200	9583
2.80	0.2500	10890
2.90	0.2800	12197
3.00	0.3000	13068
3.10	0.3300	14375
3.20	0.3600	15682
3.30	0.3800	16553
3.40	0.4100	17860
3.50	0.4400	19166
3.60	0.4600	20038
3.70	0.4900	21344

Stage [ft]	Area [ac]	Area [ft2]
3.80	0.5200	22651
3.90	0.5400	23522
4.00	0.5700	24829
4.10	0.6000	26136
4.20	0.6200	27007
4.30	0.6400	27878
4.40	0.6400	27878
4.50	0.6400	27878
4.60	0.6400	27878
4.70	0.6400	27878
4.80	0.6400	27878
4.90	0.6400	27878
5.00	0.6400	27878
5.10	0.6400	27878
5.20	0.6400	27878
5.30	0.6400	27878
5.40	0.6400	27878
5.50	0.6400	27878
5.60	0.6400	27878
5.70	0.6400	27878
5.80	0.6400	27878
5.90	0.6400	27878
6.00	0.6900	30056
6.10	0.6900	30056
6.20	0.6900	30056
6.30	0.6900	30056
6.40	0.6900	30056
6.50	0.6900	30056
6.60	0.6900	30056
6.70	0.6900	30056
6.80	0.6900	30056
6.90	0.6900	30056
7.00	0.6900	30056
7.10	0.6900	30056
7.20	0.6900	30056
7.30	0.6900	30056
7.40	0.6900	30056
7.50	0.6900	30056
7.60	0.6900	30056
7.70	0.6900	30056
7.80	0.6900	30056
7.90	0.6900	30056
8.00	0.6900	30056

Comment:

Node: Node Dummy MH2

Scenario: Proposed with TW at 1.0

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 1.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
3.00	0.0010	44
3.01	0.0010	44

Comment: Dummy Node for Type E Inlet interior in Node B-4B

Node: SE Offsite

Scenario: Proposed with TW at 1.0
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 1.00 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.00
0	0	0	24.0000	1.00
0	0	0	60.0000	1.00
0	0	0	360.0000	1.00

Comment: Portion of flow that leaks to the S from Site 3. Stage assumed same as the main tailwater.

Node: TW

Scenario: Proposed with TW at 1.0
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 1.00 ft
 Warning Stage: 0.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.00
0	0	0	24.0000	1.00
0	0	0	60.0000	1.00
0	0	0	360.0000	1.00

Comment: Constant tailwater of 1.0 per request by Martin County for future scenarios

Weir Link: B-4B Bleeder

Scenario: 100/3 Zero Discharge
 From Node: Node B-4B
 To Node: Node Dummy MH2
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Circular

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Invert: 0.50 ft
Control Elevation: 0.50 ft
Max Depth: 0.25 ft

Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: B-4B Type E Top

Scenario: 100/3 Zero Discharge
From Node: Node B-4B
To Node: Node Dummy MH2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.32 ft
Control Elevation: 2.32 ft
Max Depth: 4.50 ft
Max Width: 3.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Top of Type E DBI at B-4B

Drop Structure Link: CS B-1A to B-2

Scenario: 100/3 Zero Discharge
From Node: Node B-1A
To Node: Node B-2
Link Count: 1
Flow Direction: Both
Solution: Combine
Increments: 10
Pipe Count: 1
Damping: 0.0000 ft
Length: 175.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.11
Bend Location: 0.91 ft
Energy Switch: Energy

Upstream Pipe

Invert: 2.05 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 1.50 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream Pipe

Invert: 1.87 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 1.50 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Pipe Comment:

Weir Component

Weir: 1
Weir Count: 1
Weir Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Circular
Invert: 2.10 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:

Control Elevation: 2.10 ft
Max Depth: 0.25 ft

Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Weir Comment: Bleeder

Weir Component

Weir: 2
Weir Count: 1
Weir Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 3.75 ft
Control Elevation: 3.75 ft
Max Depth: 99.00 ft
Max Width: 1.25 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Weir Comment: Weir controlling WQ elevations

Weir Component

Weir: 3
Weir Count: 1
Weir Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 4.76 ft
Control Elevation: 2.10 ft
Max Depth: 4.08 ft
Max Width: 3.08 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Weir Comment: Type D Inlet Top

Drop Structure Comment:

Drop Structure Link: CS B-1B to B-1A

Scenario: 100/3 Zero Discharge
From Node: Node B-1B
To Node: Node B-1A
Link Count: 1
Flow Direction: Both
Solution: Combine
Increments: 10
Pipe Count: 1
Damping: 0.0000 ft
Length: 33.00 ft

Upstream Pipe

Invert: 2.00 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 1.25 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip

Downstream Pipe

Invert: 1.90 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 1.25 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip

FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component

Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	4.25 ft	Op Table:	
Control Elevation:	4.25 ft	Ref Node:	
Max Depth:	3.08 ft	Discharge Coefficients	
Max Width:	2.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment: Type C Inlet top

Weir Component

Weir:	2	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Circular	Default:	0.00 ft
Invert:	2.70 ft	Op Table:	
Control Elevation:	2.70 ft	Ref Node:	
Max Depth:	0.25 ft	Discharge Coefficients	
		Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment: Bleeder

Drop Structure Comment:

Drop Structure Link: CS B-2 to B-3

Scenario:	100/3 Zero Discharge	Upstream Pipe	Downstream Pipe		
From Node:	Node B-2	Invert:	-0.75 ft	Invert:	-1.90 ft
To Node:	Node B-3	Manning's N:	0.0120	Manning's N:	0.0120
Link Count:	1	Geometry:	Circular	Geometry:	Circular
Flow Direction:	Both	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Solution:	Combine	Bottom Clip			
Increments:	10	Default:	0.00 ft	Default:	0.00 ft
Pipe Count:	1	Op Table:		Op Table:	
Damping:	0.0000 ft	Ref Node:		Ref Node:	
Length:	380.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
FHWA Code:	1	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft

Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.25	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.88 ft		
Energy Switch: Energy		

Pipe Comment:

Weir Component

Weir: 1	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Sharp Crested Vertical	Top Clip
Geometry Type: Circular	Default: 0.00 ft
Invert: 1.50 ft	Op Table:
Control Elevation: 1.50 ft	Ref Node:
Max Depth: 0.25 ft	Discharge Coefficients
	Weir Default: 3.200
	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment: Bleeder

Weir Component

Weir: 2	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Sharp Crested Vertical	Top Clip
Geometry Type: Rectangular	Default: 0.00 ft
Invert: 3.75 ft	Op Table:
Control Elevation: 3.75 ft	Ref Node:
Max Depth: 99.00 ft	Discharge Coefficients
Max Width: 3.25 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment: WQ Weir

Weir Component

Weir: 3	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Horizontal	Top Clip
Geometry Type: Rectangular	Default: 0.00 ft
Invert: 4.49 ft	Op Table:
Control Elevation: 1.50 ft	Ref Node:
Max Depth: 3.08 ft	Discharge Coefficients
Max Width: 4.08 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment: Type D Inlet Top

Drop Structure Comment:

Drop Structure Link: CS B-3 Outfall		Upstream Pipe	Downstream Pipe
Scenario:	100/3 Zero Discharge	Invert: -1.80 ft	Invert: -2.20 ft
From Node:	Node B-3	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	Node Dummy MH2	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default: 0.00 ft	Default: 0.00 ft
Increments:	10	Op Table:	Op Table:
Pipe Count:	1	Ref Node:	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0000	Manning's N: 0.0000
Length:	460.00 ft	Top Clip	
FHWA Code:	1	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	1.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.07 ft		
Energy Switch:	Energy		

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Circular	Default:	0.00 ft
Invert:	0.50 ft	Op Table:	
Control Elevation:	0.50 ft	Ref Node:	
Max Depth:	0.31 ft	Discharge Coefficients	
		Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment: Bleeder

Weir Component			
Weir:	2	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	2.00 ft	Op Table:	
Control Elevation:	0.50 ft	Ref Node:	
Max Depth:	3.08 ft	Discharge Coefficients	
Max Width:	4.08 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment: Type D Inlet Top

Drop Structure Comment:

Drop Structure Link: CS B-4A to B-3	Upstream Pipe	Downstream Pipe

Scenario:	100/3 Zero Discharge	Invert:	0.20 ft	Invert:	-0.50 ft
From Node:	Node B-4A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Node B-3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000	Manning's N:	0.0000	Manning's N:	0.0000
Length:	235.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.25	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.67 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.00 ft
Control Elevation:	2.00 ft
Max Depth:	2.00 ft
Max Width:	3.08 ft
Fillet:	0.00 ft
Bottom Clip	
Default: 0.00 ft	
Op Table:	
Ref Node:	
Top Clip	
Default: 0.00 ft	
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default: 3.200	
Weir Table:	
Orifice Default: 0.600	
Orifice Table:	

Weir Comment: Proposed Type C DBI

Drop Structure Comment:

Pipe Link: Main Outfall		Upstream		Downstream	
Scenario:	100/3 Zero Discharge	Invert:	-1.72 ft	Invert:	-1.75 ft
From Node:	Node Dummy MH2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	TW	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	None	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inline check valve

Weir Link: Weir B-1A to B-1B

Scenario:	100/3 Zero Discharge	Bottom Clip
From Node:	Node B-1A	Default: 0.00 ft
To Node:	Node B-1B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	5.10 ft	Discharge Coefficients
Control Elevation:	5.10 ft	Weir Default: 2.800
Max Depth:	999.00 ft	Weir Table:
Max Width:	240.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Trail overflow

Weir Link: Weir B-1B to B-2 (28th St)

Scenario:	100/3 Zero Discharge	Bottom Clip
From Node:	Node B-1B	Default: 0.00 ft
To Node:	Node B-2	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.25 ft	Discharge Coefficients
Control Elevation:	5.25 ft	Weir Default: 2.800
Cross Section:	Weir B-1B to B-2 (SW 28th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-2 to B-3

Scenario:	100/3 Zero Discharge	Bottom Clip
From Node:	Node B-2	Default: 0.00 ft
To Node:	Node B-3	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Gravel Road Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	4.55 ft	Discharge Coefficients
Control Elevation:	4.55 ft	Weir Default: 2.800
Max Depth:	999.00 ft	Weir Table:
Max Width:	150.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Berm overflow

Weir Link: Weir B-3 Out to South

Scenario:	100/3 Zero Discharge	Bottom Clip
From Node:	Node B-3	Default: 0.00 ft
To Node:	SE Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	None	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	3.25 ft	Discharge Coefficients
Control Elevation:	3.25 ft	Weir Default: 2.800
Max Depth:	999.00 ft	Weir Table:
Max Width:	75.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Berm overflow

Weir Link: Weir B-4A to B-3

Scenario:	100/3 Zero Discharge	Bottom Clip
From Node:	Node B-4A	Default: 0.00 ft
To Node:	Node B-3	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.25 ft	Discharge Coefficients
Control Elevation:	3.25 ft	Weir Default: 2.800
Cross Section:	B-4A to B-3	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4A to B-4B

Scenario:	100/3 Zero Discharge	Bottom Clip
From Node:	Node B-4A	Default: 0.00 ft
To Node:	Node B-4B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.60 ft	Discharge Coefficients
Control Elevation:	2.60 ft	Weir Default: 2.600
Cross Section:	Weir B-4A to B-4B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4B Out to SLR

Scenario:	100/3 Zero Discharge	Bottom Clip
From Node:	Node B-4B	Default: 0.00 ft
To Node:	NE Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	None	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.62 ft	Discharge Coefficients
Control Elevation:	2.62 ft	Weir Default: 2.600
Cross Section:	B-4B Out to SLR	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: B-4B Bleeder

Scenario:	25Y-3D System Recovery	Bottom Clip
From Node:	Node B-4B	Default: 0.00 ft
To Node:	Node Dummy MH2	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Circular	Ref Node:
Invert:	0.50 ft	Discharge Coefficients
Control Elevation:	0.50 ft	Weir Default: 3.200
Max Depth:	0.25 ft	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: B-4B Type E Top

Scenario:	25Y-3D System Recovery	Bottom Clip
From Node:	Node B-4B	Default: 0.00 ft
To Node:	Node Dummy MH2	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	2.32 ft	Discharge Coefficients
Control Elevation:	2.32 ft	Weir Default: 3.200
Max Depth:	4.50 ft	Weir Table:
Max Width:	3.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Top of Type E DBI at B-4B

Drop Structure Link: CS B-1A to B-2		Upstream Pipe	Downstream Pipe
Scenario:	25Y-3D System	Invert: 2.05 ft	Invert: 1.87 ft
	Recovery	Manning's N: 0.0120	Manning's N: 0.0120
From Node:	Node B-1A	Geometry: Circular	Geometry: Circular
To Node:	Node B-2	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Link Count:	1	Bottom Clip	
Flow Direction:	Both	Default: 0.00 ft	Default: 0.00 ft
Solution:	Combine	Op Table:	Op Table:
Increments:	10	Ref Node:	Ref Node:
Pipe Count:	1	Manning's N: 0.0000	Manning's N: 0.0000
Damping:	0.0000 ft	Top Clip	
Length:	175.00 ft	Default: 0.00 ft	Default: 0.00 ft
FHWA Code:	1	Op Table:	Op Table:
Entr Loss Coef:	0.50	Ref Node:	Ref Node:
Exit Loss Coef:	1.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Loss Coef:	0.11		
Bend Location:	0.91 ft		
Energy Switch:	Energy		

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Circular	Default:	0.00 ft
Invert:	2.10 ft	Op Table:	
Control Elevation:	2.10 ft	Ref Node:	
Max Depth:	0.25 ft	Discharge Coefficients	
		Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment: Bleeder

Weir Component			
Weir:	2	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	3.75 ft	Op Table:	
Control Elevation:	3.75 ft	Ref Node:	
Max Depth:	99.00 ft	Discharge Coefficients	
Max Width:	1.25 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment: Weir controlling WQ elevations

Weir Component		Bottom Clip
Weir:	3	Default: 0.00 ft
Weir Count:	1	Op Table:
Weir Flow Direction:	Both	

Damping: 0.0000 ft
 Weir Type: Horizontal
 Geometry Type: Rectangular
 Invert: 4.76 ft
 Control Elevation: 2.10 ft
 Max Depth: 4.08 ft
 Max Width: 3.08 ft
 Fillet: 0.00 ft

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Weir Comment: Type D Inlet Top

Drop Structure Comment:

Drop Structure Link: CS B-1B to B-1A

Upstream Pipe

Downstream Pipe

Scenario: 25Y-3D System

Invert: 2.00 ft

Invert: 1.90 ft

Recovery

Manning's N: 0.0120

Manning's N: 0.0120

From Node: Node B-1B

Geometry: Circular

Geometry: Circular

To Node: Node B-1A

Max Depth: 1.25 ft

Max Depth: 1.25 ft

Link Count: 1

Bottom Clip

Flow Direction: Both

Default: 0.00 ft

Default: 0.00 ft

Solution: Combine

Op Table:

Op Table:

Increments: 10

Ref Node:

Ref Node:

Pipe Count: 1

Manning's N: 0.0000

Manning's N: 0.0000

Damping: 0.0000 ft

Top Clip

Length: 33.00 ft

Default: 0.00 ft

Default: 0.00 ft

FHWA Code: 1

Op Table:

Op Table:

Entr Loss Coef: 0.50

Ref Node:

Ref Node:

Exit Loss Coef: 1.00

Manning's N: 0.0000

Manning's N: 0.0000

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

Energy Switch: Energy

Pipe Comment:

Weir Component

Weir: 1

Bottom Clip

Weir Count: 1

Default: 0.00 ft

Weir Flow Direction: Both

Op Table:

Damping: 0.0000 ft

Ref Node:

Weir Type: Horizontal

Top Clip

Geometry Type: Rectangular

Default: 0.00 ft

Invert: 4.25 ft

Op Table:

Control Elevation: 4.25 ft

Ref Node:

Max Depth: 3.08 ft

Discharge Coefficients

Max Width: 2.00 ft

Weir Default: 3.200

Fillet: 0.00 ft

Weir Table:

Orifice Default: 0.600

Orifice Table:

Weir Comment: Type C Inlet top

Weir Component

Weir: 2

Bottom Clip

Weir Count: 1

Default: 0.00 ft

Weir Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Circular
 Invert: 2.70 ft
 Control Elevation: 2.70 ft
 Max Depth: 0.25 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Weir Comment: Bleeder

Drop Structure Comment:

Drop Structure Link: CS B-2 to B-3

Upstream Pipe

Downstream Pipe

Scenario: 25Y-3D System

Invert: -0.75 ft

Invert: -1.90 ft

Recovery

Manning's N: 0.0120

Manning's N: 0.0120

From Node: Node B-2

Geometry: Circular

Geometry: Circular

To Node: Node B-3

Max Depth: 2.00 ft

Max Depth: 2.00 ft

Link Count: 1

Bottom Clip

Flow Direction: Both

Default: 0.00 ft

Default: 0.00 ft

Solution: Combine

Op Table:

Op Table:

Increments: 10

Ref Node:

Ref Node:

Pipe Count: 1

Manning's N: 0.0000

Manning's N: 0.0000

Damping: 0.0000 ft

Top Clip

Length: 380.00 ft

Default: 0.00 ft

Default: 0.00 ft

FHWA Code: 1

Op Table:

Op Table:

Entr Loss Coef: 0.50

Ref Node:

Ref Node:

Exit Loss Coef: 1.00

Manning's N: 0.0000

Manning's N: 0.0000

Bend Loss Coef: 0.25

Bend Location: 0.88 ft

Energy Switch: Energy

Pipe Comment:

Weir Component

Weir: 1

Bottom Clip

Weir Count: 1

Default: 0.00 ft

Weir Flow Direction: Both

Op Table:

Damping: 0.0000 ft

Ref Node:

Weir Type: Sharp Crested Vertical

Top Clip

Geometry Type: Circular

Default: 0.00 ft

Invert: 1.50 ft

Op Table:

Control Elevation: 1.50 ft

Ref Node:

Max Depth: 0.25 ft

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Weir Comment: Bleeder

Weir Component

Weir: 2

Bottom Clip

Weir Count: 1
 Weir Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 3.75 ft
 Control Elevation: 3.75 ft
 Max Depth: 99.00 ft
 Max Width: 3.25 ft
 Fillet: 0.00 ft

Default: 0.00 ft
 Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Weir Comment: WQ Weir

Weir Component

Weir: 3
 Weir Count: 1
 Weir Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Horizontal
 Geometry Type: Rectangular
 Invert: 4.49 ft
 Control Elevation: 1.50 ft
 Max Depth: 3.08 ft
 Max Width: 4.08 ft
 Fillet: 0.00 ft

Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Weir Comment: Type D Inlet Top

Drop Structure Comment:

Drop Structure Link: CS B-3 Outfall

Scenario: 25Y-3D System
 Recovery
 From Node: Node B-3
 To Node: Node Dummy MH2
 Link Count: 1
 Flow Direction: Both
 Solution: Combine
 Increments: 10
 Pipe Count: 1
 Damping: 0.0000 ft
 Length: 460.00 ft
 FHWA Code: 1
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.20
 Bend Location: 0.07 ft
 Energy Switch: Energy

Upstream Pipe

Invert: -1.80 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream Pipe

Invert: -2.20 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Pipe Comment:

Weir Component

Weir: 1
 Weir Count: 1
 Weir Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Circular
 Invert: 0.50 ft
 Control Elevation: 0.50 ft
 Max Depth: 0.31 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Weir Comment: Bleeder

Weir Component

Weir: 2
 Weir Count: 1
 Weir Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Horizontal
 Geometry Type: Rectangular
 Invert: 2.00 ft
 Control Elevation: 0.50 ft
 Max Depth: 3.08 ft
 Max Width: 4.08 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Weir Comment: Type D Inlet Top

Drop Structure Comment:

Drop Structure Link: CS B-4A to B-3

Upstream Pipe

Downstream Pipe

Scenario: 25Y-3D System
 Recovery
 From Node: Node B-4A
 To Node: Node B-3
 Link Count: 1
 Flow Direction: Both
 Solution: Combine
 Increments: 10
 Pipe Count: 1
 Damping: 0.0000 ft
 Length: 235.00 ft
 FHWA Code: 1
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.25
 Bend Location: 0.67 ft
 Energy Switch: Energy

Invert: 0.20 ft

Manning's N: 0.0120

Geometry: Circular

Max Depth: 1.50 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Invert: -0.50 ft

Manning's N: 0.0120

Geometry: Circular

Max Depth: 1.50 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Pipe Comment:

Weir Component	
Weir: 1	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Horizontal	Top Clip
Geometry Type: Rectangular	Default: 0.00 ft
Invert: 2.00 ft	Op Table:
Control Elevation: 2.00 ft	Ref Node:
Max Depth: 2.00 ft	Discharge Coefficients
Max Width: 3.08 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment: Proposed Type C DBI

Drop Structure Comment:

Pipe Link: Main Outfall	Upstream	Downstream
Scenario: 25Y-3D System Recovery	Invert: -1.72 ft	Invert: -1.75 ft
	Manning's N: 0.0120	Manning's N: 0.0120
From Node: Node Dummy MH2	Geometry: Circular	Geometry: Circular
To Node: TW	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Link Count: 1	Bottom Clip	
Flow Direction: Positive	Default: 0.00 ft	Default: 0.00 ft
Damping: 0.0100 ft	Op Table:	Op Table:
Length: 52.00 ft	Ref Node:	Ref Node:
FHWA Code: 1	Manning's N: 0.0000	Manning's N: 0.0000
Entr Loss Coef: 0.50	Top Clip	
Exit Loss Coef: 1.00	Default: 0.00 ft	Default: 0.00 ft
Bend Loss Coef: 0.00	Op Table:	Op Table:
Bend Location: 0.00 ft	Ref Node:	Ref Node:
Energy Switch: Energy	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inline check valve

Weir Link: Weir B-1A to B-1B	
Scenario: 25Y-3D System Recovery	Bottom Clip
From Node: Node B-1A	Default: 0.00 ft
To Node: Node B-1B	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 5.10 ft	Discharge Coefficients
Control Elevation: 5.10 ft	Weir Default: 2.800
Max Depth: 999.00 ft	Weir Table:
Max Width: 240.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment: Trail overflow

Weir Link: Weir B-1B to B-2 (28th St)

Scenario:	25Y-3D System Recovery	Bottom Clip
From Node:	Node B-1B	Default: 0.00 ft
To Node:	Node B-2	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.25 ft	Discharge Coefficients
Control Elevation:	5.25 ft	Weir Default: 2.800
Cross Section:	Weir B-1B to B-2 (SW 28th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-2 to B-3

Scenario:	25Y-3D System Recovery	Bottom Clip
From Node:	Node B-2	Default: 0.00 ft
To Node:	Node B-3	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Gravel Road Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	4.55 ft	Discharge Coefficients
Control Elevation:	4.55 ft	Weir Default: 2.800
Max Depth:	999.00 ft	Weir Table:
Max Width:	150.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Berm overflow

Weir Link: Weir B-3 Out to South

Scenario:	25Y-3D System Recovery	Bottom Clip
From Node:	Node B-3	Default: 0.00 ft
To Node:	SE Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	3.25 ft	Discharge Coefficients
Control Elevation:	3.25 ft	Weir Default: 2.800
Max Depth:	999.00 ft	Weir Table:
Max Width:	75.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Berm overflow

Weir Link: Weir B-4A to B-3

Scenario:	25Y-3D System Recovery	Bottom Clip
From Node:	Node B-4A	Default: 0.00 ft
To Node:	Node B-3	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.25 ft	Discharge Coefficients
Control Elevation:	3.25 ft	Weir Default: 2.800
Cross Section:	B-4A to B-3	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4A to B-4B

Scenario:	25Y-3D System Recovery	Bottom Clip
From Node:	Node B-4A	Default: 0.00 ft
To Node:	Node B-4B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.60 ft	Discharge Coefficients
Control Elevation:	2.60 ft	Weir Default: 2.600
Cross Section:	Weir B-4A to B-4B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4B Out to SLR

Scenario:	25Y-3D System Recovery	Bottom Clip
From Node:	Node B-4B	Default: 0.00 ft
To Node:	NE Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.62 ft	Discharge Coefficients
Control Elevation:	2.62 ft	Weir Default: 2.600
Cross Section:	B-4B Out to SLR	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: B-4B Bleeder

Scenario:	Proposed	Bottom Clip
From Node:	Node B-4B	Default: 0.00 ft
To Node:	Node Dummy MH2	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Circular	Ref Node:
Invert:	0.50 ft	Discharge Coefficients
Control Elevation:	0.50 ft	Weir Default: 3.200
Max Depth:	0.25 ft	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: B-4B Type E Top

Scenario:	Proposed	Bottom Clip
From Node:	Node B-4B	Default: 0.00 ft
To Node:	Node Dummy MH2	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	2.32 ft	Discharge Coefficients
Control Elevation:	2.32 ft	Weir Default: 3.200
Max Depth:	4.50 ft	Weir Table:
Max Width:	3.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Top of Type E DBI at B-4B

Drop Structure Link: CS B-1A to B-2

		Upstream Pipe	Downstream Pipe
Scenario:	Proposed	Invert: 2.05 ft	Invert: 1.87 ft
From Node:	Node B-1A	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	Node B-2	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default: 0.00 ft	Default: 0.00 ft
Increments:	10	Op Table:	Op Table:
Pipe Count:	1	Ref Node:	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0000	Manning's N: 0.0000
Length:	175.00 ft	Top Clip	
FHWA Code:	1	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	1.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.11	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.91 ft		
Energy Switch:	Energy		

Pipe Comment:

Weir Component	
Weir: 1	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Sharp Crested Vertical	Top Clip
Geometry Type: Circular	Default: 0.00 ft
Invert: 2.10 ft	Op Table:
Control Elevation: 2.10 ft	Ref Node:
Max Depth: 0.25 ft	Discharge Coefficients
	Weir Default: 3.200
	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment: Bleeder

Weir Component	
Weir: 2	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Sharp Crested Vertical	Top Clip
Geometry Type: Rectangular	Default: 0.00 ft
Invert: 3.75 ft	Op Table:
Control Elevation: 3.75 ft	Ref Node:
Max Depth: 99.00 ft	Discharge Coefficients
Max Width: 1.25 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment: Weir controlling WQ elevations

Weir Component	
Weir: 3	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Horizontal	Top Clip
Geometry Type: Rectangular	Default: 0.00 ft
Invert: 4.76 ft	Op Table:
Control Elevation: 2.10 ft	Ref Node:
Max Depth: 4.08 ft	Discharge Coefficients
Max Width: 3.08 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment: Type D Inlet Top

Drop Structure Comment:

Drop Structure Link: CS B-1B to B-1A		Upstream Pipe	Downstream Pipe
Scenario: Proposed		Invert: 2.00 ft	Invert: 1.90 ft
From Node: Node B-1B		Manning's N: 0.0120	Manning's N: 0.0120
To Node: Node B-1A		Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	33.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	4.25 ft
Control Elevation:	4.25 ft
Max Depth:	3.08 ft
Max Width:	2.00 ft
Fillet:	0.00 ft

Weir Comment: Type C Inlet top

Weir Component	
Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Circular
Invert:	2.70 ft
Control Elevation:	2.70 ft
Max Depth:	0.25 ft

Weir Comment: Bleeder

Drop Structure Comment:

Drop Structure Link: CS B-2 to B-3		Upstream Pipe	Downstream Pipe
Scenario:	Proposed	Invert:	-0.75 ft
From Node:	Node B-2	Manning's N:	0.0120
To Node:	Node B-3	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default: 0.00 ft	Default: 0.00 ft
Increments:	10	Op Table:	Op Table:
Pipe Count:	1	Ref Node:	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0000	Manning's N: 0.0000
Length:	380.00 ft	Top Clip	
FHWA Code:	1	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	1.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.25	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.88 ft		
Energy Switch:	Energy		

Pipe Comment:

Weir Component

Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Circular	Default:	0.00 ft
Invert:	1.50 ft	Op Table:	
Control Elevation:	1.50 ft	Ref Node:	
Max Depth:	0.25 ft	Discharge Coefficients	
		Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment: Bleeder

Weir Component

Weir:	2	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	3.75 ft	Op Table:	
Control Elevation:	3.75 ft	Ref Node:	
Max Depth:	99.00 ft	Discharge Coefficients	
Max Width:	3.25 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment: WQ Weir

Weir Component

Weir:	3	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	4.49 ft	Op Table:	
Control Elevation:	1.50 ft	Ref Node:	
Max Depth:	3.08 ft	Discharge Coefficients	

Max Width: 4.08 ft
Fillet: 0.00 ft

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Weir Comment: Type D Inlet Top

Drop Structure Comment:

Drop Structure Link: CS B-3 Outfall		Upstream Pipe	Downstream Pipe
Scenario:	Proposed	Invert: -1.80 ft	Invert: -2.20 ft
From Node:	Node B-3	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	Node Dummy MH2	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default: 0.00 ft	Default: 0.00 ft
Increments:	10	Op Table:	Op Table:
Pipe Count:	1	Ref Node:	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0000	Manning's N: 0.0000
Length:	460.00 ft	Top Clip	
FHWA Code:	1	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	1.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.07 ft		
Energy Switch:	Energy		

Pipe Comment:

Weir Component		
Weir:	1	Bottom Clip
Weir Count:	1	Default: 0.00 ft
Weir Flow Direction:	Both	Op Table:
Damping:	0.0000 ft	Ref Node:
Weir Type:	Sharp Crested Vertical	Top Clip
Geometry Type:	Circular	Default: 0.00 ft
Invert:	0.50 ft	Op Table:
Control Elevation:	0.50 ft	Ref Node:
Max Depth:	0.31 ft	Discharge Coefficients
		Weir Default: 3.200
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Weir Comment: Bleeder

Weir Component		
Weir:	2	Bottom Clip
Weir Count:	1	Default: 0.00 ft
Weir Flow Direction:	Both	Op Table:
Damping:	0.0000 ft	Ref Node:
Weir Type:	Horizontal	Top Clip
Geometry Type:	Rectangular	Default: 0.00 ft
Invert:	2.00 ft	Op Table:
Control Elevation:	0.50 ft	Ref Node:
Max Depth:	3.08 ft	Discharge Coefficients

Max Width: 4.08 ft
Fillet: 0.00 ft

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Weir Comment: Type D Inlet Top

Drop Structure Comment:

Drop Structure Link: CS B-4A to B-3		Upstream Pipe	Downstream Pipe
Scenario:	Proposed	Invert: 0.20 ft	Invert: -0.50 ft
From Node:	Node B-4A	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	Node B-3	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default: 0.00 ft	Default: 0.00 ft
Increments:	10	Op Table:	Op Table:
Pipe Count:	1	Ref Node:	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0000	Manning's N: 0.0000
Length:	235.00 ft	Top Clip	
FHWA Code:	1	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	1.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.25	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.67 ft		
Energy Switch:	Energy		

Pipe Comment:

Weir Component		
Weir:	1	Bottom Clip
Weir Count:	1	Default: 0.00 ft
Weir Flow Direction:	Both	Op Table:
Damping:	0.0000 ft	Ref Node:
Weir Type:	Horizontal	Top Clip
Geometry Type:	Rectangular	Default: 0.00 ft
Invert:	2.00 ft	Op Table:
Control Elevation:	2.00 ft	Ref Node:
Max Depth:	2.00 ft	Discharge Coefficients
Max Width:	3.08 ft	Weir Default: 3.200
Fillet:	0.00 ft	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Weir Comment: Proposed Type C DBI

Drop Structure Comment:

Pipe Link: Main Outfall		Upstream	Downstream
Scenario:	Proposed	Invert: -1.72 ft	Invert: -1.75 ft
From Node:	Node Dummy MH2	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	TW	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft

Flow Direction:	Positive	Bottom Clip	
Damping:	0.0100 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:	
FHWA Code:	1	Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment: Inline check valve

Weir Link: Weir B-1A to B-1B

Scenario:	Proposed	Bottom Clip	
From Node:	Node B-1A	Default:	0.00 ft
To Node:	Node B-1B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.10 ft	Discharge Coefficients	
Control Elevation:	5.10 ft	Weir Default:	2.800
Max Depth:	999.00 ft	Weir Table:	
Max Width:	240.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Trail overflow

Weir Link: Weir B-1B to B-2 (28th St)

Scenario:	Proposed	Bottom Clip	
From Node:	Node B-1B	Default:	0.00 ft
To Node:	Node B-2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.25 ft	Discharge Coefficients	
Control Elevation:	5.25 ft	Weir Default:	2.800
Cross Section:	Weir B-1B to B-2 (SW 28th St)	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: Weir B-2 to B-3

Scenario:	Proposed	Bottom Clip	
From Node:	Node B-2	Default:	0.00 ft
To Node:	Node B-3	Op Table:	

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Gravel Road Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	4.55 ft	Ref Node:
Control Elevation:	4.55 ft	Discharge Coefficients
Max Depth:	999.00 ft	Weir Default: 2.800
Max Width:	150.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment: Berm overflow

Weir Link: Weir B-3 Out to South

Scenario:	Proposed	Bottom Clip
From Node:	Node B-3	Default: 0.00 ft
To Node:	SE Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	3.25 ft	Discharge Coefficients
Control Elevation:	3.25 ft	Weir Default: 2.800
Max Depth:	999.00 ft	Weir Table:
Max Width:	75.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Berm overflow

Weir Link: Weir B-4A to B-3

Scenario:	Proposed	Bottom Clip
From Node:	Node B-4A	Default: 0.00 ft
To Node:	Node B-3	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.25 ft	Discharge Coefficients
Control Elevation:	3.25 ft	Weir Default: 2.800
Cross Section:	B-4A to B-3	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4A to B-4B

Scenario:	Proposed	Bottom Clip
From Node:	Node B-4A	Default: 0.00 ft

To Node: Node B-4B
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 2.60 ft
 Control Elevation: 2.60 ft
 Cross Section: Weir B-4A to B-4B

Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: Weir B-4B Out to SLR

Scenario: Proposed
 From Node: Node B-4B
 To Node: NE Offsite
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 2.62 ft
 Control Elevation: 2.62 ft
 Cross Section: B-4B Out to SLR

Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: B-4B Bleeder

Scenario: Proposed with TW at 1.0
 From Node: Node B-4B
 To Node: Node Dummy MH2
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Circular
 Invert: 0.50 ft
 Control Elevation: 0.50 ft
 Max Depth: 0.25 ft

Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: B-4B Type E Top

Scenario: Proposed with TW at 1.0

Bottom Clip

From Node:	Node B-4B	
To Node:	Node Dummy MH2	Default: 0.00 ft
Link Count:	1	Op Table:
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Horizontal	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	2.32 ft	Ref Node:
Control Elevation:	2.32 ft	Discharge Coefficients
Max Depth:	4.50 ft	Weir Default: 3.200
Max Width:	3.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment: Top of Type E DBI at B-4B

Drop Structure Link: CS B-1A to B-2		Upstream Pipe	Downstream Pipe
Scenario:	Proposed with TW at 1.0	Invert: 2.05 ft	Invert: 1.87 ft
		Manning's N: 0.0120	Manning's N: 0.0120
From Node:	Node B-1A	Geometry: Circular	Geometry: Circular
To Node:	Node B-2	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Link Count:	1	Bottom Clip	
Flow Direction:	Both	Default: 0.00 ft	Default: 0.00 ft
Solution:	Combine	Op Table:	Op Table:
Increments:	10	Ref Node:	Ref Node:
Pipe Count:	1	Manning's N: 0.0000	Manning's N: 0.0000
Damping:	0.0000 ft	Top Clip	
Length:	175.00 ft	Default: 0.00 ft	Default: 0.00 ft
FHWA Code:	1	Op Table:	Op Table:
Entr Loss Coef:	0.50	Ref Node:	Ref Node:
Exit Loss Coef:	1.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Loss Coef:	0.11		
Bend Location:	0.91 ft		
Energy Switch:	Energy		

Pipe Comment:

Weir Component		
Weir:	1	Bottom Clip
Weir Count:	1	Default: 0.00 ft
Weir Flow Direction:	Both	Op Table:
Damping:	0.0000 ft	Ref Node:
Weir Type:	Sharp Crested Vertical	Top Clip
Geometry Type:	Circular	Default: 0.00 ft
Invert:	2.10 ft	Op Table:
Control Elevation:	2.10 ft	Ref Node:
Max Depth:	0.25 ft	Discharge Coefficients
		Weir Default: 3.200
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Weir Comment: Bleeder

Weir Component		
Weir:	2	Bottom Clip
Weir Count:	1	Default: 0.00 ft

Weir Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 3.75 ft
 Control Elevation: 3.75 ft
 Max Depth: 99.00 ft
 Max Width: 1.25 ft
 Fillet: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Weir Comment: Weir controlling WQ elevations

Weir Component

Weir: 3
 Weir Count: 1
 Weir Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Horizontal
 Geometry Type: Rectangular
 Invert: 4.76 ft
 Control Elevation: 2.10 ft
 Max Depth: 4.08 ft
 Max Width: 3.08 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Weir Comment: Type D Inlet Top

Drop Structure Comment:

Drop Structure Link: CS B-1B to B-1A

Upstream Pipe

Downstream Pipe

Scenario: Proposed with TW at 1.0
 From Node: Node B-1B
 To Node: Node B-1A
 Link Count: 1
 Flow Direction: Both
 Solution: Combine
 Increments: 10
 Pipe Count: 1
 Damping: 0.0000 ft
 Length: 33.00 ft
 FHWA Code: 1
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Invert: 2.00 ft

Manning's N: 0.0120

Geometry: Circular

Max Depth: 1.25 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Invert: 1.90 ft

Manning's N: 0.0120

Geometry: Circular

Max Depth: 1.25 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Pipe Comment:

Weir Component

Weir: 1

Bottom Clip

Weir Count:	1	
Weir Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Horizontal	Ref Node:
Geometry Type:	Rectangular	Top Clip
Invert:	4.25 ft	Default: 0.00 ft
Control Elevation:	4.25 ft	Op Table:
Max Depth:	3.08 ft	Ref Node:
Max Width:	2.00 ft	Discharge Coefficients
Fillet:	0.00 ft	Weir Default: 3.200
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Weir Comment: Type C Inlet top

Weir Component		
Weir:	2	Bottom Clip
Weir Count:	1	Default: 0.00 ft
Weir Flow Direction:	Both	Op Table:
Damping:	0.0000 ft	Ref Node:
Weir Type:	Sharp Crested Vertical	Top Clip
Geometry Type:	Circular	Default: 0.00 ft
Invert:	2.70 ft	Op Table:
Control Elevation:	2.70 ft	Ref Node:
Max Depth:	0.25 ft	Discharge Coefficients
		Weir Default: 3.200
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Weir Comment: Bleeder

Drop Structure Comment:

Drop Structure Link: CS B-2 to B-3		
	Upstream Pipe	Downstream Pipe
Scenario:	Proposed with TW at 1.0	Invert: -1.90 ft
	Invert: -0.75 ft	Manning's N: 0.0120
From Node:	Node B-2	Geometry: Circular
To Node:	Node B-3	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip
Solution:	Combine	Default: 0.00 ft
Increments:	10	Op Table:
Pipe Count:	1	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0000
Length:	380.00 ft	Top Clip
FHWA Code:	1	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:
Exit Loss Coef:	1.00	Ref Node:
Bend Loss Coef:	0.25	Manning's N: 0.0000
Bend Location:	0.88 ft	
Energy Switch:	Energy	

Pipe Comment:

Weir Component

Weir: 1
 Weir Count: 1
 Weir Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Circular
 Invert: 1.50 ft
 Control Elevation: 1.50 ft
 Max Depth: 0.25 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Weir Comment: Bleeder

Weir Component

Weir: 2
 Weir Count: 1
 Weir Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 3.75 ft
 Control Elevation: 3.75 ft
 Max Depth: 99.00 ft
 Max Width: 3.25 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Weir Comment: WQ Weir

Weir Component

Weir: 3
 Weir Count: 1
 Weir Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Horizontal
 Geometry Type: Rectangular
 Invert: 4.49 ft
 Control Elevation: 1.50 ft
 Max Depth: 3.08 ft
 Max Width: 4.08 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Weir Comment: Type D Inlet Top

Drop Structure Comment:

Drop Structure Link: CS B-3 Outfall

Upstream Pipe

Downstream Pipe

Scenario: Proposed with TW at
 1.0
 From Node: Node B-3

Invert: -1.80 ft
 Manning's N: 0.0120
 Geometry: Circular

Invert: -2.20 ft
 Manning's N: 0.0120
 Geometry: Circular

To Node:	Node Dummy MH2	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	460.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.20				
Bend Location:	0.07 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Circular
Invert:	0.50 ft
Control Elevation:	0.50 ft
Max Depth:	0.31 ft
Bottom Clip	
Default: 0.00 ft	
Op Table:	
Ref Node:	
Top Clip	
Default: 0.00 ft	
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default: 3.200	
Weir Table:	
Orifice Default: 0.600	
Orifice Table:	

Weir Comment: Bleeder

Weir Component	
Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.00 ft
Control Elevation:	0.50 ft
Max Depth:	3.08 ft
Max Width:	4.08 ft
Fillet:	0.00 ft
Bottom Clip	
Default: 0.00 ft	
Op Table:	
Ref Node:	
Top Clip	
Default: 0.00 ft	
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default: 3.200	
Weir Table:	
Orifice Default: 0.600	
Orifice Table:	

Weir Comment: Type D Inlet Top

Drop Structure Comment:

Drop Structure Link: CS B-4A to B-3		Upstream Pipe	Downstream Pipe
Scenario:	Proposed with TW at 1.0	Invert: 0.20 ft	Invert: -0.50 ft
		Manning's N: 0.0120	Manning's N: 0.0120
From Node:	Node B-4A	Geometry: Circular	Geometry: Circular

To Node:	Node B-3	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	235.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.25				
Bend Location:	0.67 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		
Weir:	1	Bottom Clip
Weir Count:	1	Default: 0.00 ft
Weir Flow Direction:	Both	Op Table:
Damping:	0.0000 ft	Ref Node:
Weir Type:	Horizontal	Top Clip
Geometry Type:	Rectangular	Default: 0.00 ft
Invert:	2.00 ft	Op Table:
Control Elevation:	2.00 ft	Ref Node:
Max Depth:	2.00 ft	Discharge Coefficients
Max Width:	3.08 ft	Weir Default: 3.200
Fillet:	0.00 ft	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Weir Comment: Proposed Type C DBI

Drop Structure Comment:

Pipe Link: Main Outfall	Upstream	Downstream
Scenario: Proposed with TW at 1.0	Invert: -1.72 ft	Invert: -1.75 ft
	Manning's N: 0.0120	Manning's N: 0.0120
From Node: Node Dummy MH2	Geometry: Circular	Geometry: Circular
To Node: TW	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Link Count: 1	Bottom Clip	
Flow Direction: Positive	Default: 0.00 ft	Default: 0.00 ft
Damping: 0.0100 ft	Op Table:	Op Table:
Length: 52.00 ft	Ref Node:	Ref Node:
FHWA Code: 1	Manning's N: 0.0000	Manning's N: 0.0000
Entr Loss Coef: 0.50	Top Clip	
Exit Loss Coef: 1.00	Default: 0.00 ft	Default: 0.00 ft
Bend Loss Coef: 0.00	Op Table:	Op Table:
Bend Location: 0.00 ft	Ref Node:	Ref Node:
Energy Switch: Energy	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inline check valve

Weir Link: Weir B-1A to B-1B

Scenario:	Proposed with TW at 1.0	Bottom Clip
From Node:	Node B-1A	Default: 0.00 ft
To Node:	Node B-1B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	5.10 ft	Discharge Coefficients
Control Elevation:	5.10 ft	Weir Default: 2.800
Max Depth:	999.00 ft	Weir Table:
Max Width:	240.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Trail overflow

Weir Link: Weir B-1B to B-2 (28th St)

Scenario:	Proposed with TW at 1.0	Bottom Clip
From Node:	Node B-1B	Default: 0.00 ft
To Node:	Node B-2	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.25 ft	Discharge Coefficients
Control Elevation:	5.25 ft	Weir Default: 2.800
Cross Section:	Weir B-1B to B-2 (SW 28th St)	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-2 to B-3

Scenario:	Proposed with TW at 1.0	Bottom Clip
From Node:	Node B-2	Default: 0.00 ft
To Node:	Node B-3	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Gravel Road Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	4.55 ft	Discharge Coefficients
Control Elevation:	4.55 ft	Weir Default: 2.800
Max Depth:	999.00 ft	Weir Table:
Max Width:	150.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Berm overflow

Weir Link: Weir B-3 Out to South

Scenario:	Proposed with TW at 1.0	Bottom Clip
From Node:	Node B-3	Default: 0.00 ft
To Node:	SE Offsite	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	3.25 ft	Discharge Coefficients
Control Elevation:	3.25 ft	Weir Default: 2.800
Max Depth:	999.00 ft	Weir Table:
Max Width:	75.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Berm overflow

Weir Link: Weir B-4A to B-3

Scenario:	Proposed with TW at 1.0	Bottom Clip
From Node:	Node B-4A	Default: 0.00 ft
To Node:	Node B-3	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.25 ft	Discharge Coefficients
Control Elevation:	3.25 ft	Weir Default: 2.800
Cross Section:	B-4A to B-3	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4A to B-4B

Scenario:	Proposed with TW at 1.0	Bottom Clip
From Node:	Node B-4A	Default: 0.00 ft
To Node:	Node B-4B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.60 ft	Discharge Coefficients
Control Elevation:	2.60 ft	Weir Default: 2.600
Cross Section:	Weir B-4A to B-4B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: Weir B-4B Out to SLR

Scenario: Proposed with TW at 1.0
 From Node: Node B-4B
 To Node: NE Offsite
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 2.62 ft
 Control Elevation: 2.62 ft
 Cross Section: B-4B Out to SLR

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Simulation: 100Y-3D

Scenario: 100/3 Zero Discharge
 Run Date/Time: 9/30/2019 12:48:16 PM
 Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	75.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	1.0000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN's

Green-Ampt Set:

Vertical Layers Set:
Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight Fact: 0.5 dec	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Opt: Global
Max dZ: 1.0000 ft	
Link Optimizer Tol: 0.0001 ft	Rainfall Name: ~SFWMD-72
	Rainfall Amount: 14.00 in
Edge Length Option: Automatic	Storm Duration: 72.0000 hr
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area (1D): 100 ft ²
	Energy Switch (1D): Energy

Comment:

Simulation: 25Y-3D

Scenario: 25Y-3D System Recovery
Run Date/Time: 9/30/2019 1:13:01 PM
Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	1.0000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Lookup Tables

Rainfall Folder:
Unit Hydrograph Folder:

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN's
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~SFWMD-72
Rainfall Amount: 11.00 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100Y-3D

Scenario: Proposed
Run Date/Time: 9/30/2019 12:42:19 PM
Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	120.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	1.0000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN's

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight Fact: 0.5 dec

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~SFWMD-72

Rainfall Amount: 14.00 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (1D): 100 ft2

Energy Switch (1D): Energy

Comment:

Simulation: 10Y-1D

Scenario: Proposed

Run Date/Time: 9/30/2019 12:33:11 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.5000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN's

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight Fact: 0.5 dec

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~FLMOD

Rainfall Amount: 6.80 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (1D): 100 ft2

Energy Switch (1D): Energy

Comment:

Simulation: 25Y-3D

Scenario: Proposed

Run Date/Time: 9/30/2019 12:31:58 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	120.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	1.0000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN's

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight Fact: 0.5 dec

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~SFWMD-72

Rainfall Amount: 11.00 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (1D): 100 ft2

Energy Switch (1D): Energy

Comment:

Simulation: 3Y-1D

Scenario: Proposed

Run Date/Time: 9/30/2019 12:36:08 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.5000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN's

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight Fact: 0.5 dec

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~FLMOD

Rainfall Amount: 5.00 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (1D): 100 ft2

Energy Switch (1D): Energy

Comment:

Simulation: 100Y-3D

Scenario: Proposed with TW at 1.0

Run Date/Time: 9/30/2019 12:51:04 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	120.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	1.0000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN's

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight Fact: 0.5 dec

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~SFWMD-72

Rainfall Amount: 14.00 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (1D): 100 ft2

Energy Switch (1D): Energy

Comment:

Simulation: 10Y-1D

Scenario: Proposed with TW at 1.0

Run Date/Time: 9/30/2019 12:56:08 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.5000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN's

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight Fact: 0.5 dec

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~FLMOD

Rainfall Amount: 6.80 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (1D): 100 ft2

Energy Switch (1D): Energy

Comment:

Simulation: 25Y-3D

Scenario: Proposed with TW at 1.0

Run Date/Time: 9/30/2019 1:05:47 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	120.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	1.0000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set: CN's
 Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight Fact: 0.5 dec	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Opt: Global
Max dZ: 1.0000 ft	
Link Optimizer Tol: 0.0001 ft	Rainfall Name: ~SFWMD-72
	Rainfall Amount: 11.00 in
Edge Length Option: Automatic	Storm Duration: 72.0000 hr
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area (1D): 100 ft ²
	Energy Switch (1D): Energy

Comment:

Simulation: 3Y-1D

Scenario: Proposed with TW at 1.0
 Run Date/Time: 9/30/2019 1:07:04 PM
 Program Version: ICPRA 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.5000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set: CN's
 Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set: Land Cover

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight Fact: 0.5 dec	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Opt: Global
Max dZ: 1.0000 ft	
Link Optimizer Tol: 0.0001 ft	Rainfall Name: ~FLMOD
	Rainfall Amount: 5.00 in
Edge Length Option: Automatic	Storm Duration: 24.0000 hr
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area (1D): 100 ft2
	Energy Switch (1D): Energy

Comment:

Manual Basin Runoff Summary [100/3 Zero Discharge]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B-1A	100Y-3D	11.76	60.1667	14.00	10.62	3.1600	74.7	0.00	0.00
B-1B	100Y-3D	4.44	60.2333	14.00	10.53	1.3400	74.1	0.00	0.00
B-2	100Y-3D	23.31	60.1000	14.00	9.81	5.4900	69.4	0.00	0.00
B-3	100Y-3D	26.45	60.1500	14.00	9.83	7.1500	69.5	0.00	0.00
B-4A	100Y-3D	7.07	60.3000	14.00	10.21	2.4400	72.0	0.00	0.00
B-4B	100Y-3D	4.20	60.0167	14.00	12.53	0.6900	88.4	0.00	0.00

Manual Basin Runoff Summary [25Y-3D System Recovery]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B-1A	25Y-3D	8.85	60.1667	11.00	7.77	3.1600	74.7	0.00	0.00
B-1B	25Y-3D	3.33	60.2333	11.00	7.69	1.3400	74.1	0.00	0.00
B-2	25Y-3D	17.25	60.1000	11.00	7.04	5.4900	69.4	0.00	0.00
B-3	25Y-3D	19.56	60.1500	11.00	7.06	7.1500	69.5	0.00	0.00
B-4A	25Y-3D	5.26	60.3167	11.00	7.40	2.4400	72.0	0.00	0.00
B-4B	25Y-3D	3.27	60.0167	11.00	9.56	0.6900	88.4	0.00	0.00

Manual Basin Runoff Summary [Proposed]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B-1A	100Y-3D	11.76	60.1667	14.00	10.62	3.1600	74.7	0.00	0.00
B-1A	10Y-1D	5.49	12.2667	6.80	3.94	3.1600	74.7	0.00	0.00
B-1A	25Y-3D	8.85	60.1667	11.00	7.77	3.1600	74.7	0.00	0.00
B-1A	3Y-1D	3.33	12.2833	5.00	2.42	3.1600	74.7	0.00	0.00
B-1B	100Y-3D	4.44	60.2333	14.00	10.53	1.3400	74.1	0.00	0.00
B-1B	10Y-1D	2.05	12.3500	6.80	3.88	1.3400	74.1	0.00	0.00
B-1B	25Y-3D	3.33	60.2333	11.00	7.69	1.3400	74.1	0.00	0.00
B-1B	3Y-1D	1.23	12.3833	5.00	2.37	1.3400	74.1	0.00	0.00
B-2	100Y-3D	23.31	60.1000	14.00	9.81	5.4900	69.4	0.00	0.00
B-2	10Y-1D	9.73	12.1500	6.80	3.39	5.4900	69.4	0.00	0.00
B-2	25Y-3D	17.25	60.1000	11.00	7.04	5.4900	69.4	0.00	0.00
B-2	3Y-1D	5.52	12.1667	5.00	1.99	5.4900	69.4	0.00	0.00
B-3	100Y-3D	26.45	60.1500	14.00	9.83	7.1500	69.5	0.00	0.00
B-3	10Y-1D	11.04	12.2500	6.80	3.40	7.1500	69.5	0.00	0.00
B-3	25Y-3D	19.56	60.1500	11.00	7.06	7.1500	69.5	0.00	0.00
B-3	3Y-1D	6.28	12.2667	5.00	2.00	7.1500	69.5	0.00	0.00
B-4A	100Y-3D	7.07	60.3000	14.00	10.21	2.4400	72.0	0.00	0.00
B-4A	10Y-1D	3.13	12.4500	6.80	3.66	2.4400	72.0	0.00	0.00
B-4A	25Y-3D	5.26	60.3167	11.00	7.40	2.4400	72.0	0.00	0.00
B-4A	3Y-1D	1.84	12.4833	5.00	2.20	2.4400	72.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B-4B	100Y-3D	4.20	60.0167	14.00	12.53	0.6900	88.4	0.00	0.00
B-4B	10Y-1D	2.55	12.0500	6.80	5.44	0.6900	88.4	0.00	0.00
B-4B	25Y-3D	3.27	60.0167	11.00	9.56	0.6900	88.4	0.00	0.00
B-4B	3Y-1D	1.77	12.0500	5.00	3.71	0.6900	88.4	0.00	0.00

Manual Basin Runoff Summary [Proposed with TW at 1.0]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B-1A	100Y-3D	11.76	60.1667	14.00	10.62	3.1600	74.7	0.00	0.00
B-1A	10Y-1D	5.49	12.2667	6.80	3.94	3.1600	74.7	0.00	0.00
B-1A	25Y-3D	8.85	60.1667	11.00	7.77	3.1600	74.7	0.00	0.00
B-1A	3Y-1D	3.33	12.2833	5.00	2.42	3.1600	74.7	0.00	0.00
B-1B	100Y-3D	4.44	60.2333	14.00	10.53	1.3400	74.1	0.00	0.00
B-1B	10Y-1D	2.05	12.3500	6.80	3.88	1.3400	74.1	0.00	0.00
B-1B	25Y-3D	3.33	60.2333	11.00	7.69	1.3400	74.1	0.00	0.00
B-1B	3Y-1D	1.23	12.3833	5.00	2.37	1.3400	74.1	0.00	0.00
B-2	100Y-3D	23.31	60.1000	14.00	9.81	5.4900	69.4	0.00	0.00
B-2	10Y-1D	9.73	12.1500	6.80	3.39	5.4900	69.4	0.00	0.00
B-2	25Y-3D	17.25	60.1000	11.00	7.04	5.4900	69.4	0.00	0.00
B-2	3Y-1D	5.52	12.1667	5.00	1.99	5.4900	69.4	0.00	0.00
B-3	100Y-3D	26.45	60.1500	14.00	9.83	7.1500	69.5	0.00	0.00
B-3	10Y-1D	11.04	12.2500	6.80	3.40	7.1500	69.5	0.00	0.00
B-3	25Y-3D	19.56	60.1500	11.00	7.06	7.1500	69.5	0.00	0.00
B-3	3Y-1D	6.28	12.2667	5.00	2.00	7.1500	69.5	0.00	0.00
B-4A	100Y-3D	7.07	60.3000	14.00	10.21	2.4400	72.0	0.00	0.00
B-4A	10Y-1D	3.13	12.4500	6.80	3.66	2.4400	72.0	0.00	0.00
B-4A	25Y-3D	5.26	60.3167	11.00	7.40	2.4400	72.0	0.00	0.00
B-4A	3Y-1D	1.84	12.4833	5.00	2.20	2.4400	72.0	0.00	0.00
B-4B	100Y-3D	4.20	60.0167	14.00	12.53	0.6900	88.4	0.00	0.00
B-4B	10Y-1D	2.55	12.0500	6.80	5.44	0.6900	88.4	0.00	0.00
B-4B	25Y-3D	3.27	60.0167	11.00	9.56	0.6900	88.4	0.00	0.00
B-4B	3Y-1D	1.77	12.0500	5.00	3.71	0.6900	88.4	0.00	0.00

Node Max Conditions w/ Times [100/3 Zero Discharge]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
NE Offsite	100Y-3D	0.00	1.00	0.0002	0.00	0.00	0	60.0003	48.4862	0.0000	0.0000
Node B-1A	100Y-3D	0.00	5.33	0.0009	14.15	3.67	73761	74.3604	56.1000	60.1663	60.9996
Node B-1B	100Y-3D	0.00	5.33	0.0010	4.44	2.19	16027	74.6604	52.6133	60.2331	60.3858
Node B-2	100Y-3D	0.00	5.33	0.0010	23.31	16.20	98489	75.0104	59.8165	60.1000	60.4009
Node B-3	100Y-3D	0.00	5.33	0.0010	38.73	7.03	158605	75.0104	28.1229	60.3001	60.3435
Node B-4A	100Y-3D	0.00	5.33	0.0010	13.56	5.00	50992	75.0104	16.7378	60.3422	60.3586

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Node B-4B	100Y-3D	0.00	5.33	0.0010	7.54	0.36	27878	75.0104	20.4506	60.2967	59.7126
Node Dummy MH2	100Y-3D	0.00	5.33	0.0034	0.52	0.61	138	74.9937	60.3913	60.2520	60.2967
SE Offsite	100Y-3D	0.00	1.00	0.0002	0.00	0.00	0	60.0003	48.4862	0.0000	0.0000
TW	100Y-3D	0.00	1.00	0.0002	0.00	0.00	0	60.0003	48.4862	0.0000	0.0000

Node Max Conditions w/ Times [25Y-3D System Recovery]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
NE Offsite	25Y-3D	0.00	1.00	0.0000	0.00	0.00	0	60.0006	24.2825	0.0000	0.0000
Node B-1A	25Y-3D	0.00	4.76	0.0010	12.14	2.60	61135	62.1605	60.2929	60.1669	62.6997
Node B-1B	25Y-3D	0.00	4.78	0.0006	3.33	2.64	9852	62.0462	60.8388	60.2335	60.1990
Node B-2	25Y-3D	0.00	4.49	0.0008	17.25	6.92	65006	61.1274	59.9730	60.0997	61.1297
Node B-3	25Y-3D	0.00	2.71	0.0008	26.21	19.17	58158	60.8000	61.9114	60.1905	60.8709
Node B-4A	25Y-3D	0.00	2.83	0.0010	5.26	4.75	10549	60.5572	22.1423	60.3166	60.4779
Node B-4B	25Y-3D	0.00	2.49	0.0010	3.61	3.55	7296	60.5378	59.6282	60.4667	60.5378
Node Dummy MH2	25Y-3D	0.00	1.31	0.0056	22.40	22.40	136	60.6141	77.9977	60.6141	60.6141
SE Offsite	25Y-3D	0.00	1.00	0.0000	0.00	0.00	0	60.0006	24.2825	0.0000	0.0000
TW	25Y-3D	0.00	1.00	0.0000	22.40	0.00	0	60.0006	24.2825	60.6141	0.0000

Node Max Conditions w/ Times [Proposed]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
NE Offsite	100Y-3D	0.00	1.00	0.0000	0.43	0.00	0	60.0004	59.5465	60.5937	0.0000
Node B-1A	100Y-3D	0.00	5.01	0.0010	14.07	4.45	66887	61.8033	60.8086	60.1578	61.9305
Node B-1B	100Y-3D	0.00	5.07	0.0008	4.44	2.24	13267	61.6670	60.1755	60.2331	60.3660
Node B-2	100Y-3D	0.00	4.61	0.0008	23.31	16.27	70133	60.4454	59.8447	60.1001	60.4319
Node B-3	100Y-3D	0.00	3.15	0.0010	39.23	24.98	76112	60.9646	61.6849	60.3032	61.0797
Node B-4A	100Y-3D	0.00	2.97	0.0010	8.04	7.99	12657	60.6731	17.2663	60.5898	60.6751
Node B-4B	100Y-3D	0.00	2.64	0.0010	9.22	9.19	9022	60.5918	59.8003	60.5580	60.5937
Node	100Y-3D	0.00	1.58	0.0056	30.72	30.72	136	60.7705	79.3042	60.7757	60.8152

Node Name	Sim Name	Warning 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]
Dummy MH2											
SE Offsite	100Y-3D	0.00	1.00	0.0000	0.00	0.00	0	60.0004	59.5465	0.0000	0.0000
TW	100Y-3D	0.00	1.00	0.0000	30.72	0.00	0	60.0004	59.5465	60.8152	0.0000
NE Offsite	10Y-1D	0.00	1.00	0.0000	0.00	0.00	0	60.0002	27.3029	0.0000	0.0000
Node B-1A	10Y-1D	0.00	4.18	0.0010	7.32	0.90	47893	15.5220	12.6149	12.3626	15.8740
Node B-1B	10Y-1D	0.00	4.39	0.0010	2.05	1.97	5578	12.4985	11.8718	12.3502	12.4880
Node B-2	10Y-1D	0.00	4.04	0.0010	9.73	1.95	48239	14.7362	11.7873	12.1503	14.7577
Node B-3	10Y-1D	0.00	2.35	0.0010	13.60	9.77	44079	12.9686	12.0548	12.2511	12.9686
Node B-4A	10Y-1D	0.00	2.53	0.0010	3.13	2.52	5658	12.8854	9.1282	12.4504	12.8072
Node B-4B	10Y-1D	0.00	2.41	0.0010	2.55	1.68	6648	12.3284	11.7873	12.0497	12.3292
Node Dummy MH2	10Y-1D	0.00	1.00	0.0023	10.34	10.34	136	60.0133	27.3077	12.8912	12.8893
SE Offsite	10Y-1D	0.00	1.00	0.0000	0.00	0.00	0	60.0002	27.3029	0.0000	0.0000
TW	10Y-1D	0.00	1.00	0.0000	10.34	0.00	0	60.0002	27.3029	12.8893	0.0000
NE Offsite	25Y-3D	0.00	1.00	0.0000	0.00	0.00	0	60.0006	24.2825	0.0000	0.0000
Node B-1A	25Y-3D	0.00	4.76	0.0010	12.14	2.60	61135	62.1605	60.2929	60.1669	62.6997
Node B-1B	25Y-3D	0.00	4.78	0.0006	3.33	2.64	9852	62.0462	60.8388	60.2335	60.1990
Node B-2	25Y-3D	0.00	4.49	0.0008	17.25	6.92	65006	61.1274	59.9730	60.0997	61.1297
Node B-3	25Y-3D	0.00	2.71	0.0008	26.21	19.17	58158	60.8000	61.9114	60.1905	60.8709
Node B-4A	25Y-3D	0.00	2.83	0.0010	5.26	4.75	10549	60.5572	22.1423	60.3166	60.4779
Node B-4B	25Y-3D	0.00	2.49	0.0010	3.61	3.55	7296	60.5378	59.6282	60.4667	60.5378
Node Dummy MH2	25Y-3D	0.00	1.31	0.0056	22.40	22.40	136	60.6141	77.9977	60.6141	60.6141
SE Offsite	25Y-3D	0.00	1.00	0.0000	0.00	0.00	0	60.0006	24.2825	0.0000	0.0000
TW	25Y-3D	0.00	1.00	0.0000	22.40	0.00	0	60.0006	24.2825	60.6141	0.0000
NE Offsite	3Y-1D	0.00	1.00	0.0000	0.00	0.00	0	60.0001	25.4633	0.0000	0.0000
Node B-1A	3Y-1D	0.00	3.92	0.0005	4.03	0.29	40266	21.0947	12.4375	12.5054	21.4886
Node B-1B	3Y-1D	0.00	4.34	0.0010	1.23	1.08	4856	12.6511	11.9161	12.3829	12.6428
Node B-2	3Y-1D	0.00	3.84	0.0010	5.55	0.60	39929	20.2955	11.9813	12.1568	20.2925
Node B-3	3Y-1D	0.00	2.18	0.0010	8.24	3.93	37538	13.4191	12.3286	12.3340	13.4191
Node B-4A	3Y-1D	0.00	2.23	0.0010	1.84	1.84	2431	13.2698	10.6733	12.4832	12.5045
Node B-4B	3Y-1D	0.00	2.35	0.0010	1.77	0.56	6099	12.6562	11.3982	12.0501	12.6566
Node Dummy MH2	3Y-1D	0.00	1.00	0.0023	4.23	4.51	136	59.9977	25.4671	13.4191	13.3018
SE Offsite	3Y-1D	0.00	1.00	0.0000	0.00	0.00	0	60.0001	25.4633	0.0000	0.0000
TW	3Y-1D	0.00	1.00	0.0000	4.51	0.00	0	60.0001	25.4633	13.3018	0.0000

Node Max Conditions w/ Times [Proposed with TW at 1.0]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
NE Offsite	100Y-3D	0.00	1.00	0.0000	0.44	0.00	0	0.0000	0.0000	60.5932	0.0000
Node B-1A	100Y-3D	0.00	5.01	0.0010	14.05	4.46	66905	61.8017	60.6801	60.1574	61.9255
Node B-1B	100Y-3D	0.00	5.07	0.0009	4.44	2.24	13276	61.6663	60.0894	60.2332	60.3673
Node B-2	100Y-3D	0.00	4.61	0.0009	23.31	16.32	70143	60.4428	59.8288	60.0998	60.4295
Node B-3	100Y-3D	0.00	3.15	0.0010	39.33	24.99	76167	60.9642	61.4628	60.3026	61.0561
Node B-4A	100Y-3D	0.00	2.97	0.0010	8.05	8.00	12660	60.6731	59.8288	60.5897	60.6731
Node B-4B	100Y-3D	0.00	2.64	0.0010	9.23	9.20	9024	60.5915	59.6778	60.5601	60.5915
Node Dummy MH2	100Y-3D	0.00	1.58	0.0058	30.72	30.72	100	60.7852	79.2682	60.7904	60.7904
SE Offsite	100Y-3D	0.00	1.00	0.0000	0.00	0.00	0	0.0000	0.0000	0.0000	0.0000
TW	100Y-3D	0.00	1.00	0.0000	30.72	0.00	0	0.0000	0.0000	60.7904	0.0000
NE Offsite	10Y-1D	0.00	1.00	0.0000	0.00	0.00	0	0.0000	0.0000	0.0000	0.0000
Node B-1A	10Y-1D	0.00	4.19	0.0010	7.33	0.90	47895	15.5207	12.7573	12.3666	15.8788
Node B-1B	10Y-1D	0.00	4.39	0.0010	2.05	1.97	5578	12.4977	11.9545	12.3499	12.4875
Node B-2	10Y-1D	0.00	4.04	0.0010	9.73	1.95	48246	14.7324	12.0644	12.1501	14.7547
Node B-3	10Y-1D	0.00	2.36	0.0008	13.31	10.31	44670	12.8744	12.1073	12.2835	12.8752
Node B-4A	10Y-1D	0.00	2.56	0.0010	3.13	2.61	6043	12.8358	8.9393	12.4507	12.8125
Node B-4B	10Y-1D	0.00	2.42	0.0010	2.55	1.76	6695	12.3037	20.8988	12.0501	12.3031
Node Dummy MH2	10Y-1D	0.00	1.07	0.0035	11.00	11.10	100	12.7946	27.0209	12.7929	12.8014
SE Offsite	10Y-1D	0.00	1.00	0.0000	0.00	0.00	0	0.0000	0.0000	0.0000	0.0000
TW	10Y-1D	0.00	1.00	0.0000	11.10	0.00	0	0.0000	0.0000	12.8014	0.0000
NE Offsite	25Y-3D	0.00	1.00	0.0000	0.00	0.00	0	0.0000	0.0000	0.0000	0.0000
Node B-1A	25Y-3D	0.00	4.76	0.0010	12.11	2.61	61210	62.1552	60.3166	60.1669	62.6985
Node B-1B	25Y-3D	0.00	4.78	0.0007	3.33	2.62	9878	62.0440	60.8463	60.2329	60.1971
Node B-2	25Y-3D	0.00	4.49	0.0008	17.25	6.95	65089	61.1245	59.9582	60.0998	61.1245
Node B-3	25Y-3D	0.00	2.71	0.0009	26.25	19.18	58215	60.8012	61.6094	60.1883	60.8555
Node B-4A	25Y-3D	0.00	2.83	0.0010	5.26	4.75	10554	60.5589	59.9582	60.3166	60.4771
Node B-4B	25Y-3D	0.00	2.49	0.0010	3.62	3.56	7299	60.5378	59.6697	60.4677	60.5378
Node Dummy MH2	25Y-3D	0.00	1.31	0.0058	22.42	22.42	100	60.6138	78.0741	60.6159	60.6138
SE Offsite	25Y-3D	0.00	1.00	0.0000	0.00	0.00	0	0.0000	0.0000	0.0000	0.0000
TW	25Y-3D	0.00	1.00	0.0000	22.42	0.00	0	0.0000	0.0000	60.6138	0.0000
NE Offsite	3Y-1D	0.00	1.00	0.0000	0.00	0.00	0	0.0000	0.0000	0.0000	0.0000
Node B-1A	3Y-1D	0.00	3.92	0.0006	4.03	0.29	40271	21.0840	12.4299	12.5061	21.5007

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Node B-1B	3Y-1D	0.00	4.34	0.0010	1.23	1.08	4856	12.6510	12.0868	12.3833	12.6430
Node B-2	3Y-1D	0.00	3.84	0.0010	5.55	0.60	39937	20.2909	11.8438	12.1602	20.3085
Node B-3	3Y-1D	0.00	2.20	0.0008	8.21	4.62	38522	13.1721	12.3231	12.3333	13.1758
Node B-4A	3Y-1D	0.00	2.27	0.0010	1.84	1.77	2769	13.0322	10.4850	12.4834	12.3762
Node B-4B	3Y-1D	0.00	2.36	0.0008	1.77	0.66	6187	12.5932	19.5304	12.0500	12.5937
Node Dummy MH2	3Y-1D	0.00	1.02	0.0035	4.93	5.28	100	13.0514	12.4307	13.1297	13.1191
SE Offsite	3Y-1D	0.00	1.00	0.0000	0.00	0.00	0	0.0000	0.0000	0.0000	0.0000
TW	3Y-1D	0.00	1.00	0.0000	5.28	0.00	0	0.0000	0.0000	13.1191	0.0000

Link Min/Max Conditions with Times [100/3 Zero Discharge]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
B-4B Bleeder	100Y-3D	0.05	-0.03	0.01	0.00	0.00	26.4287	28.4758	60.2970	0.0000	0.0000
B-4B Type E Top	100Y-3D	0.02	-0.61	-0.60	-0.07	-0.07	54.5144	60.2967	60.2967	40.8575	40.8575
CS B-1A to B-2 - Pipe	100Y-3D	3.67	-0.34	0.01	0.00	0.00	61.0004	60.1374	60.2423	0.0000	0.0000
CS B-1A to B-2 - Weir: 1	100Y-3D	0.13	-0.03	0.00	0.00	0.00	27.6741	60.1311	60.2399	0.0000	0.0000
CS B-1A to B-2 - Weir: 2	100Y-3D	1.52	-0.31	0.01	1.17	1.17	60.5158	60.1367	60.2418	60.4967	60.4967
CS B-1A to B-2 - Weir: 3	100Y-3D	2.64	0.00	0.01	0.93	0.93	61.1714	0.0000	60.5835	60.7320	60.7320
CS B-1B to B-1A - Pipe	100Y-3D	2.19	0.00	-0.01	0.00	0.00	60.3858	72.7968	63.9984	0.0000	0.0000
CS B-1B to B-1A - Weir: 1	100Y-3D	2.16	0.00	-0.01	1.00	1.00	60.3878	73.6104	63.9984	59.7317	59.7317
CS B-1B to B-1A - Weir: 2	100Y-3D	0.16	0.00	0.00	0.00	0.00	55.7977	73.6104	63.9984	0.0000	0.0000
CS B-2 to B-3 - Pipe	100Y-3D	6.60	0.00	-0.04	0.00	0.00	60.2634	73.4604	60.9851	0.0000	0.0000
CS B-2 to B-3 - Weir: 1	100Y-3D	0.20	0.00	0.00	0.00	0.00	28.6074	73.8937	60.9891	0.0000	0.0000
CS B-2 to	100Y-3D	5.28	0.00	-0.01	2.20	2.20	60.1192	73.8937	60.9845	59.9422	59.9422

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
B-3 - Weir: 2											
CS B-2 to B-3 - Weir: 3	100Y-3D	2.27	0.00	-0.01	1.15	1.15	60.3510	73.8937	60.9845	60.2866	60.2866
CS B-3 Outfall - Pipe	100Y-3D	0.52	-0.05	-0.31	0.00	0.00	60.2520	20.6650	57.9351	0.0000	0.0000
CS B-3 Outfall - Weir: 1	100Y-3D	0.03	-0.05	-0.02	-0.65	-0.65	28.4410	20.6630	20.6630	20.6630	20.6630
CS B-3 Outfall - Weir: 3	100Y-3D	0.77	-0.01	-0.48	0.03	0.03	60.2509	55.4582	60.3913	34.2259	34.2259
CS B-4A to B-3 - Pipe	100Y-3D	0.11	-0.06	-0.01	0.00	0.00	33.7633	57.5216	33.7736	0.0000	0.0000
CS B-4A to B-3 - Weir: 1	100Y-3D	0.12	-0.06	-0.03	0.21	0.21	33.7633	57.5216	33.9989	33.9355	33.9355
Main Outfall	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-1A to B-1B	100Y-3D	0.01	-0.26	0.00	-0.01	-0.01	73.5937	64.2546	63.9862	65.5719	65.5719
Weir B-1B to B-2 (28th St)	100Y-3D	0.07	0.00	0.00	0.05	0.05	71.4855	0.0000	71.0272	71.3698	71.3698
Weir B-2 to B-3	100Y-3D	10.49	0.00	-0.10	0.82	0.82	60.6226	73.9437	60.9967	60.6226	60.6226
Weir B-3 Out to South	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-3	100Y-3D	0.02	-6.50	-0.05	-0.22	-0.22	73.8604	60.3422	60.2556	57.7441	57.7441
Weir B-4A to B-4B	100Y-3D	5.00	-0.35	0.05	0.32	0.32	60.3586	59.7126	60.2548	46.4515	46.4515
Weir B-4B Out to SLR	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Min/Max Conditions with Times [25Y-3D System Recovery]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
B-4B Bleeder	25Y-3D	0.27	-0.02	-0.01	0.00	0.00	59.9519	78.2089	78.2089	0.0000	0.0000
B-4B Type E Top	25Y-3D	3.29	0.00	0.02	1.31	1.31	60.5378	0.0000	59.9166	60.5395	60.5395
CS B-1A	25Y-3D	2.60	-0.67	0.02	0.00	0.00	62.7017	60.1497	60.4174	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
to B-2 - Pipe											
CS B-1A to B-2 - Weir: 1	25Y-3D	0.17	-0.06	0.00	0.00	0.00	123.3888	60.0318	60.4087	0.0000	0.0000
CS B-1A to B-2 - Weir: 2	25Y-3D	2.49	-0.61	0.01	2.05	2.05	62.6779	60.1533	60.4131	63.5181	63.5181
CS B-1A to B-2 - Weir: 3	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
CS B-1B to B-1A - Pipe	25Y-3D	2.64	0.00	0.01	0.00	0.00	60.1990	0.0000	59.9738	0.0000	0.0000
CS B-1B to B-1A - Weir: 1	25Y-3D	2.57	0.00	0.01	1.34	1.34	60.2085	0.0000	59.9730	60.0728	60.0728
CS B-1B to B-1A - Weir: 2	25Y-3D	0.18	0.00	0.00	0.00	0.00	58.3115	0.0000	127.4645	0.0000	0.0000
CS B-2 to B-3 - Pipe	25Y-3D	6.92	0.00	0.01	0.00	0.00	61.1321	0.0000	60.1709	0.0000	0.0000
CS B-2 to B-3 - Weir: 1	25Y-3D	0.32	0.00	0.00	0.00	0.00	65.6049	0.0000	25.6869	0.0000	0.0000
CS B-2 to B-3 - Weir: 2	25Y-3D	6.64	0.00	0.01	2.76	2.76	61.1274	0.0000	60.1607	61.1274	61.1274
CS B-2 to B-3 - Weir: 3	25Y-3D	0.00	0.00	0.00	0.00	0.00	61.1274	0.0000	61.2052	0.0000	0.0000
CS B-3 Outfall - Pipe	25Y-3D	19.17	0.00	0.04	0.00	0.00	60.8655	15.9090	60.0926	0.0000	0.0000
CS B-3 Outfall - Weir: 1	25Y-3D	0.38	0.00	-0.01	5.11	5.11	52.5734	15.8127	165.6377	52.5734	52.5734
CS B-3 Outfall - Weir: 3	25Y-3D	19.01	0.00	0.03	2.24	2.24	60.8709	0.0000	60.1006	61.9626	61.9626
CS B-4A to B-3 - Pipe	25Y-3D	2.60	0.00	-0.01	0.00	0.00	60.2806	0.0000	62.5084	0.0000	0.0000
CS B-4A to B-3 - Weir: 1	25Y-3D	2.60	0.00	0.00	0.43	0.43	60.2796	0.0000	62.5065	59.6467	59.6467
Main Outfall	25Y-3D	22.40	0.00	-1.63	3.17	3.30	60.6141	0.0000	55.9194	60.6141	60.6141
Weir B-1A to B-1B	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-1B to B-2	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
(28th St)											
Weir B-2 to B-3	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-3 Out to South	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-3	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-4B	25Y-3D	2.42	0.00	0.01	0.97	0.97	60.5591	0.0000	60.2942	60.5630	60.5630
Weir B-4B Out to SLR	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Min/Max Conditions with Times [Proposed]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
B-4B Bleeder	100Y-3D	0.27	-0.02	-0.01	0.00	0.00	59.8275	79.3918	79.3918	0.0000	0.0000
B-4B Type E Top	100Y-3D	8.51	0.00	0.02	1.80	1.80	60.5937	0.0000	59.8012	60.5957	60.5957
CS B-1A to B-2 - Pipe	100Y-3D	4.45	-0.22	0.02	0.00	0.00	61.9325	60.1093	60.6588	0.0000	0.0000
CS B-1A to B-2 - Weir: 1	100Y-3D	0.17	-0.02	0.00	0.00	0.00	119.9992	60.1039	60.2264	0.0000	0.0000
CS B-1A to B-2 - Weir: 2	100Y-3D	2.61	-0.20	0.01	2.08	2.08	64.6740	60.1085	60.2301	65.3239	65.3239
CS B-1A to B-2 - Weir: 3	100Y-3D	3.30	0.00	0.02	1.09	1.09	61.8773	0.0000	60.6567	63.3994	63.3994
CS B-1B to B-1A - Pipe	100Y-3D	2.24	0.00	0.01	0.00	0.00	60.3670	0.0000	59.8456	0.0000	0.0000
CS B-1B to B-1A - Weir: 1	100Y-3D	2.21	0.00	-0.01	1.06	1.06	60.3681	0.0000	61.7743	59.7816	59.7816
CS B-1B to B-1A - Weir: 2	100Y-3D	0.16	0.00	0.00	0.00	0.00	55.9575	0.0000	59.8447	0.0000	0.0000
CS B-2 to B-3 - Pipe	100Y-3D	10.15	0.00	0.03	0.00	0.00	60.3765	0.0000	60.1844	0.0000	0.0000
CS B-2 to B-3 - Weir: 1	100Y-3D	0.32	0.00	0.00	0.00	0.00	65.9793	0.0000	60.2181	0.0000	0.0000
CS B-2 to	100Y-3D	8.13	0.00	0.01	2.95	2.95	60.3173	0.0000	60.0933	60.2964	60.2964

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
B-3 - Weir: 2											
CS B-2 to B-3 - Weir: 3	100Y-3D	1.91	0.00	0.01	1.11	1.11	60.4454	0.0000	60.1953	60.4454	60.4454
CS B-3 Outfall - Pipe	100Y-3D	22.34	0.00	0.05	0.00	0.00	61.1603	12.5991	59.8456	0.0000	0.0000
CS B-3 Outfall - Weir: 1	100Y-3D	0.40	0.00	0.00	5.38	5.38	43.2107	12.5991	12.5991	43.2107	43.2107
CS B-3 Outfall - Weir: 3	100Y-3D	22.21	0.00	0.03	2.24	2.24	61.1603	0.0000	59.9222	62.9213	62.9213
CS B-4A to B-3 - Pipe	100Y-3D	2.22	-2.65	0.05	0.00	0.00	60.0668	61.0362	61.9325	0.0000	0.0000
CS B-4A to B-3 - Weir: 1	100Y-3D	2.22	-2.65	-0.05	0.39	0.39	60.0659	61.0328	60.3524	56.6821	56.6821
Main Outfall	100Y-3D	30.72	0.00	-1.64	4.35	4.53	60.8152	0.0000	57.9411	60.8152	60.8152
Weir B-1A to B-1B	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-1B to B-2 (28th St)	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-2 to B-3	100Y-3D	6.18	0.00	0.04	0.69	0.69	60.4464	0.0000	60.2181	60.4475	60.4475
Weir B-3 Out to South	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-3	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-4B	100Y-3D	7.99	0.00	0.02	1.23	1.23	60.6751	0.0000	60.3911	60.6818	60.6818
Weir B-4B Out to SLR	100Y-3D	0.43	0.00	0.01	0.00	0.00	60.5937	0.0000	60.4952	0.0000	0.0000
B-4B Bleeder	10Y-1D	0.32	0.00	-0.01	0.00	0.00	12.3292	41.9393	49.8028	0.0000	0.0000
B-4B Type E Top	10Y-1D	1.36	0.00	0.01	0.98	0.98	12.3292	0.0000	12.1312	12.3292	12.3292
CS B-1A to B-2 - Pipe	10Y-1D	0.90	-0.34	0.02	0.00	0.00	15.8832	12.9854	13.3323	0.0000	0.0000
CS B-1A to B-2 - Weir: 1	10Y-1D	0.17	-0.10	0.00	0.00	0.00	71.9994	12.3093	13.3296	0.0000	0.0000
CS B-1A to B-2 - Weir: 2	10Y-1D	0.81	-0.28	0.01	1.50	1.50	15.8471	13.0245	13.3296	16.3649	16.3649

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
CS B-1A to B-2 - Weir: 3	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
CS B-1B to B-1A - Pipe	10Y-1D	1.97	0.00	0.01	0.00	0.00	12.4892	0.0000	12.2062	0.0000	0.0000
CS B-1B to B-1A - Weir: 1	10Y-1D	1.77	0.00	0.01	1.21	1.21	12.4985	0.0000	12.2058	12.4985	12.4985
CS B-1B to B-1A - Weir: 2	10Y-1D	0.24	0.00	0.00	0.00	0.00	12.1284	0.0000	27.3927	0.0000	0.0000
CS B-2 to B-3 - Pipe	10Y-1D	1.95	0.00	0.01	0.00	0.00	14.7597	0.0000	12.7834	0.0000	0.0000
CS B-2 to B-3 - Weir: 1	10Y-1D	0.32	0.00	0.00	0.00	0.00	18.3482	0.0000	11.7873	0.0000	0.0000
CS B-2 to B-3 - Weir: 2	10Y-1D	1.64	0.00	0.00	1.73	1.73	14.7362	0.0000	12.7668	14.7362	14.7362
CS B-2 to B-3 - Weir: 3	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
CS B-3 Outfall - Pipe	10Y-1D	9.77	0.00	0.04	0.00	0.00	12.9686	7.7169	12.3549	0.0000	0.0000
CS B-3 Outfall - Weir: 1	10Y-1D	0.44	0.00	0.00	6.03	6.03	14.6009	7.7169	7.7169	14.6009	14.6009
CS B-3 Outfall - Weir: 3	10Y-1D	9.35	0.00	0.03	1.88	1.88	12.9686	0.0000	12.3454	12.9686	12.9686
CS B-4A to B-3 - Pipe	10Y-1D	2.52	0.00	-0.01	0.00	0.00	12.8089	0.0000	13.3323	0.0000	0.0000
CS B-4A to B-3 - Weir: 1	10Y-1D	2.52	0.00	0.01	1.31	1.31	12.8072	0.0000	23.2261	12.1544	12.1544
Main Outfall	10Y-1D	10.34	0.00	-1.39	1.77	1.82	12.8893	0.0000	24.7730	12.8893	12.8893
Weir B-1A to B-1B	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-1B to B-2 (28th St)	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-2 to B-3	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-3 Out to South	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-3	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Weir B-4A to B-4B	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4B Out to SLR	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
B-4B Bleeder	25Y-3D	0.27	-0.02	-0.01	0.00	0.00	59.9519	78.2089	78.2089	0.0000	0.0000
B-4B Type E Top	25Y-3D	3.29	0.00	0.02	1.31	1.31	60.5378	0.0000	59.9166	60.5395	60.5395
CS B-1A to B-2 - Pipe	25Y-3D	2.60	-0.67	0.02	0.00	0.00	62.7017	60.1497	60.4174	0.0000	0.0000
CS B-1A to B-2 - Weir: 1	25Y-3D	0.17	-0.06	0.00	0.00	0.00	119.9990	60.0318	60.4087	0.0000	0.0000
CS B-1A to B-2 - Weir: 2	25Y-3D	2.49	-0.61	0.01	2.05	2.05	62.6779	60.1533	60.4131	63.5181	63.5181
CS B-1A to B-2 - Weir: 3	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
CS B-1B to B-1A - Pipe	25Y-3D	2.64	0.00	0.01	0.00	0.00	60.1990	0.0000	59.9738	0.0000	0.0000
CS B-1B to B-1A - Weir: 1	25Y-3D	2.57	0.00	0.01	1.34	1.34	60.2085	0.0000	59.9730	60.0728	60.0728
CS B-1B to B-1A - Weir: 2	25Y-3D	0.18	0.00	0.00	0.00	0.00	58.3115	0.0000	60.0541	0.0000	0.0000
CS B-2 to B-3 - Pipe	25Y-3D	6.92	0.00	0.01	0.00	0.00	61.1321	0.0000	60.1709	0.0000	0.0000
CS B-2 to B-3 - Weir: 1	25Y-3D	0.32	0.00	0.00	0.00	0.00	65.6049	0.0000	25.6869	0.0000	0.0000
CS B-2 to B-3 - Weir: 2	25Y-3D	6.64	0.00	0.01	2.76	2.76	61.1274	0.0000	60.1607	61.1274	61.1274
CS B-2 to B-3 - Weir: 3	25Y-3D	0.00	0.00	0.00	0.00	0.00	61.1274	0.0000	61.2052	0.0000	0.0000
CS B-3 Outfall - Pipe	25Y-3D	19.17	0.00	0.04	0.00	0.00	60.8655	15.9090	60.0926	0.0000	0.0000
CS B-3 Outfall - Weir: 1	25Y-3D	0.38	0.00	0.00	5.11	5.11	52.5734	15.8127	15.9090	52.5734	52.5734
CS B-3 Outfall - Weir: 3	25Y-3D	19.01	0.00	0.03	2.24	2.24	60.8709	0.0000	60.1006	61.9626	61.9626
CS B-4A to B-3 -	25Y-3D	2.60	0.00	-0.01	0.00	0.00	60.2806	0.0000	62.5084	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Pipe											
CS B-4A to B-3 - Weir: 1	25Y-3D	2.60	0.00	0.00	0.43	0.43	60.2796	0.0000	62.5065	59.6467	59.6467
Main Outfall	25Y-3D	22.40	0.00	-1.63	3.17	3.30	60.6141	0.0000	55.9194	60.6141	60.6141
Weir B-1A to B-1B	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-1B to B-2 (28th St)	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-2 to B-3	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-3 Out to South	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-3	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-4B	25Y-3D	2.42	0.00	0.01	0.97	0.97	60.5591	0.0000	60.2942	60.5630	60.5630
Weir B-4B Out to SLR	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
B-4B Bleeder	3Y-1D	0.31	0.00	-0.01	0.00	0.00	12.6566	56.8055	46.5287	0.0000	0.0000
B-4B Type E Top	3Y-1D	0.25	0.00	0.00	0.00	0.00	12.6566	0.0000	12.4907	0.0000	0.0000
CS B-1A to B-2 - Pipe	3Y-1D	0.29	-0.07	0.00	0.00	0.00	21.5555	12.5095	12.1867	0.0000	0.0000
CS B-1A to B-2 - Weir: 1	3Y-1D	0.17	-0.07	0.00	0.00	0.00	68.4257	12.5092	12.1863	0.0000	0.0000
CS B-1A to B-2 - Weir: 2	3Y-1D	0.23	0.00	0.00	1.07	1.07	21.4227	0.0000	19.6043	21.7656	21.7656
CS B-1A to B-2 - Weir: 3	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
CS B-1B to B-1A - Pipe	3Y-1D	1.08	0.00	0.01	0.00	0.00	12.6431	0.0000	12.3899	0.0000	0.0000
CS B-1B to B-1A - Weir: 1	3Y-1D	0.85	0.00	0.00	0.95	0.95	12.6511	0.0000	12.3895	12.6511	12.6511
CS B-1B to B-1A - Weir: 2	3Y-1D	0.25	0.00	0.00	0.00	0.00	12.3563	0.0000	25.8088	0.0000	0.0000
CS B-2 to B-3 - Pipe	3Y-1D	0.60	0.00	0.00	0.00	0.00	20.3501	0.0000	18.1786	0.0000	0.0000
CS B-2 to B-3 -	3Y-1D	0.31	0.00	0.00	0.00	0.00	25.7473	0.0000	11.7354	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Weir: 1											
CS B-2 to B-3 - Weir: 2	3Y-1D	0.28	0.00	0.00	0.96	0.96	20.2925	0.0000	18.1786	20.3217	20.3217
CS B-2 to B-3 - Weir: 3	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
CS B-3 Outfall - Pipe	3Y-1D	3.93	0.00	0.01	0.00	0.00	13.4191	9.4098	12.8482	0.0000	0.0000
CS B-3 Outfall - Weir: 1	3Y-1D	0.44	0.00	0.00	5.95	5.95	13.4191	9.5264	9.5264	13.4191	13.4191
CS B-3 Outfall - Weir: 3	3Y-1D	3.49	0.00	0.01	1.36	1.36	13.4191	0.0000	12.8226	13.4191	13.4191
CS B-4A to B-3 - Pipe	3Y-1D	1.84	0.00	0.01	0.00	0.00	12.5048	0.0000	20.8778	0.0000	0.0000
CS B-4A to B-3 - Weir: 1	3Y-1D	1.84	0.00	0.01	1.23	1.23	12.5045	0.0000	20.8778	12.5048	12.5048
Main Outfall	3Y-1D	4.51	0.00	-1.40	0.80	0.79	13.3018	0.0000	18.7642	13.3018	13.3018
Weir B-1A to B-1B	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-1B to B-2 (28th St)	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-2 to B-3	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-3 Out to South	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-3	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-4B	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4B Out to SLR	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Min/Max Conditions with Times [Proposed with TW at 1.0]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
B-4B Bleeder	100Y-3D	0.27	-0.02	-0.02	0.00	0.00	59.8218	79.4741	79.4741	0.0000	0.0000
B-4B Type	100Y-3D	8.52	0.00	0.02	1.80	1.80	60.5932	0.0000	59.8071	60.5952	60.5952

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
E Top											
CS B-1A to B-2 - Pipe	100Y-3D	4.46	-0.21	0.02	0.00	0.00	61.9295	60.1092	60.6371	0.0000	0.0000
CS B-1A to B-2 - Weir: 1	100Y-3D	0.17	-0.02	0.00	0.00	0.00	119.9982	60.1043	60.2246	0.0000	0.0000
CS B-1A to B-2 - Weir: 2	100Y-3D	2.61	-0.19	0.01	2.08	2.08	64.6782	60.1092	60.2273	65.3458	65.3458
CS B-1A to B-2 - Weir: 3	100Y-3D	3.31	0.00	0.02	1.09	1.09	61.8759	0.0000	60.6574	63.4044	63.4044
CS B-1B to B-1A - Pipe	100Y-3D	2.24	0.00	0.01	0.00	0.00	60.3682	0.0000	59.8163	0.0000	0.0000
CS B-1B to B-1A - Weir: 1	100Y-3D	2.21	0.00	0.00	1.06	1.06	60.3691	0.0000	61.7042	59.7780	59.7780
CS B-1B to B-1A - Weir: 2	100Y-3D	0.16	0.00	0.00	0.00	0.00	55.9317	0.0000	59.8558	0.0000	0.0000
CS B-2 to B-3 - Pipe	100Y-3D	10.15	0.00	0.03	0.00	0.00	60.3741	0.0000	60.1958	0.0000	0.0000
CS B-2 to B-3 - Weir: 1	100Y-3D	0.32	0.00	0.00	0.00	0.00	65.9941	0.0000	60.2209	0.0000	0.0000
CS B-2 to B-3 - Weir: 2	100Y-3D	8.14	0.00	0.01	2.95	2.95	60.3157	0.0000	60.0811	60.2942	60.2942
CS B-2 to B-3 - Weir: 3	100Y-3D	1.91	0.00	0.01	1.11	1.11	60.4428	0.0000	60.1932	60.4428	60.4428
CS B-3 Outfall - Pipe	100Y-3D	22.34	0.00	0.05	0.00	0.00	61.1606	9.9372	59.8891	0.0000	0.0000
CS B-3 Outfall - Weir: 1	100Y-3D	0.37	0.00	-0.01	5.05	5.05	66.7095	10.7386	14.7517	66.7095	66.7095
CS B-3 Outfall - Weir: 3	100Y-3D	22.21	0.00	-0.03	2.24	2.24	61.1606	0.0000	62.9554	62.9274	62.9274
CS B-4A to B-3 - Pipe	100Y-3D	2.22	-2.66	-0.05	0.00	0.00	60.0667	61.0338	60.3520	0.0000	0.0000
CS B-4A to B-3 - Weir: 1	100Y-3D	2.22	-2.66	-0.05	0.38	0.38	60.0658	61.0313	60.3520	56.6629	56.6629
Main Outfall	100Y-3D	30.72	0.00	-1.65	4.35	4.53	60.7904	0.0000	57.9325	60.7904	60.7904
Weir B-1A to B-1B	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Weir B-1B to B-2 (28th St)	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-2 to B-3	100Y-3D	6.21	0.00	0.05	0.69	0.69	60.4438	0.0000	60.2291	60.4450	60.4450
Weir B-3 Out to South	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-3	100Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-4B	100Y-3D	8.00	0.00	0.02	1.23	1.23	60.6731	0.0000	60.3825	60.6801	60.6801
Weir B-4B Out to SLR	100Y-3D	0.44	0.00	0.01	0.00	0.00	60.5932	0.0000	60.4976	0.0000	0.0000
B-4B Bleeder	10Y-1D	0.28	-0.02	-0.01	0.00	0.00	12.2145	28.2717	29.3522	0.0000	0.0000
B-4B Type E Top	10Y-1D	1.48	0.00	0.01	1.00	1.00	12.3037	0.0000	12.1085	12.3045	12.3045
CS B-1A to B-2 - Pipe	10Y-1D	0.90	-0.34	0.00	0.00	0.00	15.8878	12.9844	13.3304	0.0000	0.0000
CS B-1A to B-2 - Weir: 1	10Y-1D	0.17	-0.10	0.00	0.00	0.00	71.9993	12.3090	11.9545	0.0000	0.0000
CS B-1A to B-2 - Weir: 2	10Y-1D	0.81	-0.28	0.00	1.50	1.50	15.8426	13.0243	13.3291	16.4697	16.4697
CS B-1A to B-2 - Weir: 3	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
CS B-1B to B-1A - Pipe	10Y-1D	1.97	0.00	0.01	0.00	0.00	12.4884	0.0000	12.2775	0.0000	0.0000
CS B-1B to B-1A - Weir: 1	10Y-1D	1.77	0.00	0.00	1.21	1.21	12.4977	0.0000	12.2695	12.4977	12.4977
CS B-1B to B-1A - Weir: 2	10Y-1D	0.24	0.00	0.00	0.00	0.00	12.1284	0.0000	27.3699	0.0000	0.0000
CS B-2 to B-3 - Pipe	10Y-1D	1.95	0.00	0.01	0.00	0.00	14.7574	0.0000	12.7740	0.0000	0.0000
CS B-2 to B-3 - Weir: 1	10Y-1D	0.32	0.00	0.00	0.00	0.00	18.3309	0.0000	8.7231	0.0000	0.0000
CS B-2 to B-3 - Weir: 2	10Y-1D	1.64	0.00	0.00	1.73	1.73	14.7324	0.0000	12.7573	14.7324	14.7324
CS B-2 to B-3 - Weir: 3	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
CS B-3	10Y-1D	10.31	0.00	0.03	0.00	0.00	12.8767	6.3720	12.3406	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Outfall - Pipe											
CS B-3 Outfall - Weir: 1	10Y-1D	0.37	0.00	0.01	5.05	5.05	14.5248	7.2948	8.6309	14.5248	14.5248
CS B-3 Outfall - Weir: 3	10Y-1D	9.97	0.00	0.02	1.92	1.92	12.8752	0.0000	12.3206	12.8752	12.8752
CS B-4A to B-3 - Pipe	10Y-1D	2.61	0.00	0.01	0.00	0.00	12.8172	0.0000	21.6280	0.0000	0.0000
CS B-4A to B-3 - Weir: 1	10Y-1D	2.61	0.00	0.02	1.21	1.21	12.8125	0.0000	21.6280	12.0655	12.0655
Main Outfall	10Y-1D	11.10	0.00	-1.65	1.62	1.64	12.8014	0.0000	24.5692	12.8014	12.8014
Weir B-1A to B-1B	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-1B to B-2 (28th St)	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-2 to B-3	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-3 Out to South	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-3	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-4B	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4B Out to SLR	10Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
B-4B Bleeder	25Y-3D	0.27	-0.02	-0.02	0.00	0.00	59.9500	78.2800	78.2800	0.0000	0.0000
B-4B Type E Top	25Y-3D	3.30	0.00	0.02	1.31	1.31	60.5378	0.0000	59.9170	60.5394	60.5394
CS B-1A to B-2 - Pipe	25Y-3D	2.61	-0.66	0.01	0.00	0.00	62.7003	60.1464	60.4091	0.0000	0.0000
CS B-1A to B-2 - Weir: 1	25Y-3D	0.17	-0.06	0.00	0.00	0.00	119.9972	60.0332	60.4060	0.0000	0.0000
CS B-1A to B-2 - Weir: 2	25Y-3D	2.50	-0.60	0.01	2.05	2.05	62.6761	60.1498	60.4076	63.5037	63.5037
CS B-1A to B-2 - Weir: 3	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
CS B-1B to B-1A - Pipe	25Y-3D	2.62	0.00	0.01	0.00	0.00	60.1982	0.0000	59.9590	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
CS B-1B to B-1A - Weir: 1	25Y-3D	2.56	0.00	0.01	1.34	1.34	60.2058	0.0000	59.9582	60.0685	60.0685
CS B-1B to B-1A - Weir: 2	25Y-3D	0.18	0.00	0.00	0.00	0.00	58.2843	0.0000	60.0465	0.0000	0.0000
CS B-2 to B-3 - Pipe	25Y-3D	6.95	0.00	0.01	0.00	0.00	61.1278	0.0000	60.1883	0.0000	0.0000
CS B-2 to B-3 - Weir: 1	25Y-3D	0.32	0.00	0.00	0.00	0.00	65.6039	0.0000	25.3000	0.0000	0.0000
CS B-2 to B-3 - Weir: 2	25Y-3D	6.67	0.00	0.01	2.76	2.76	61.1245	0.0000	60.1776	61.1245	61.1245
CS B-2 to B-3 - Weir: 3	25Y-3D	0.01	0.00	0.00	0.00	0.00	61.1245	0.0000	61.0266	0.0000	0.0000
CS B-3 Outfall - Pipe	25Y-3D	19.18	0.00	0.04	0.00	0.00	60.8740	5.9157	60.0473	0.0000	0.0000
CS B-3 Outfall - Weir: 1	25Y-3D	0.37	0.00	-0.02	5.05	5.05	64.8223	13.1587	18.3569	64.8223	64.8223
CS B-3 Outfall - Weir: 3	25Y-3D	19.02	0.00	0.03	2.24	2.24	60.8555	0.0000	60.0465	61.9729	61.9729
CS B-4A to B-3 - Pipe	25Y-3D	2.60	0.00	0.00	0.00	0.00	60.2798	0.0000	59.9249	0.0000	0.0000
CS B-4A to B-3 - Weir: 1	25Y-3D	2.60	0.00	0.00	0.43	0.43	60.2787	0.0000	62.4971	59.6459	59.6459
Main Outfall	25Y-3D	22.42	0.00	-1.65	3.17	3.30	60.6138	0.0000	55.5680	60.6138	60.6138
Weir B-1A to B-1B	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-1B to B-2 (28th St)	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-2 to B-3	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-3 Out to South	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-3	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-4B	25Y-3D	2.43	0.00	0.01	0.97	0.97	60.5589	0.0000	60.2682	60.5623	60.5623
Weir B-4B Out to SLR	25Y-3D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
B-4B	3Y-1D	0.27	-0.02	-0.01	0.00	0.00	12.5774	25.8852	27.0097	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Bleeder											
B-4B Type E Top	3Y-1D	0.39	0.00	0.00	0.00	0.00	12.5932	0.0000	12.4240	0.0000	0.0000
CS B-1A to B-2 - Pipe	3Y-1D	0.29	-0.07	0.00	0.00	0.00	21.5667	12.5115	12.1904	0.0000	0.0000
CS B-1A to B-2 - Weir: 1	3Y-1D	0.17	-0.07	0.00	0.00	0.00	69.2656	12.5113	12.1952	0.0000	0.0000
CS B-1A to B-2 - Weir: 2	3Y-1D	0.23	0.00	0.00	1.07	1.07	21.3720	0.0000	15.0362	21.7739	21.7739
CS B-1A to B-2 - Weir: 3	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
CS B-1B to B-1A - Pipe	3Y-1D	1.08	0.00	0.01	0.00	0.00	12.6430	0.0000	12.4306	0.0000	0.0000
CS B-1B to B-1A - Weir: 1	3Y-1D	0.85	0.00	0.00	0.95	0.95	12.6510	0.0000	12.4299	12.6510	12.6510
CS B-1B to B-1A - Weir: 2	3Y-1D	0.25	0.00	0.00	0.00	0.00	12.3564	0.0000	25.5202	0.0000	0.0000
CS B-2 to B-3 - Pipe	3Y-1D	0.60	0.00	0.00	0.00	0.00	20.3085	0.0000	22.8553	0.0000	0.0000
CS B-2 to B-3 - Weir: 1	3Y-1D	0.31	0.00	0.00	0.00	0.00	25.5729	0.0000	11.8438	0.0000	0.0000
CS B-2 to B-3 - Weir: 2	3Y-1D	0.29	0.00	0.00	0.96	0.96	20.2770	0.0000	22.7187	20.3371	20.3371
CS B-2 to B-3 - Weir: 3	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
CS B-3 Outfall - Pipe	3Y-1D	4.62	0.00	0.01	0.00	0.00	13.1758	8.8236	12.6073	0.0000	0.0000
CS B-3 Outfall - Weir: 1	3Y-1D	0.37	0.00	0.02	5.04	5.04	13.1774	8.9285	10.0829	13.1774	13.1774
CS B-3 Outfall - Weir: 3	3Y-1D	4.25	0.00	0.01	1.45	1.45	13.1721	0.0000	12.6067	13.1721	13.1721
CS B-4A to B-3 - Pipe	3Y-1D	1.77	0.00	0.01	0.00	0.00	12.3764	0.0000	21.4200	0.0000	0.0000
CS B-4A to B-3 - Weir: 1	3Y-1D	1.77	0.00	0.02	1.21	1.21	12.3762	0.0000	21.4200	12.3734	12.3734
Main Outfall	3Y-1D	5.28	0.00	-1.63	0.78	0.78	13.1191	0.0000	16.8633	13.1191	13.1191

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Weir B-1A to B-1B	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-1B to B-2 (28th St)	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-2 to B-3	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-3 Out to South	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-3	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4A to B-4B	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir B-4B Out to SLR	3Y-1D	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

MC Old Palm City Ripple Stormwater Project -- Proposed Conditions Basin Volume Time Series

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Basin Inflow Volume [ac_ft]	Basin Outflow Volume [ac_ft]	Total Inflow Volume [ac_ft]	Total Outflow Volume [ac_ft]
100/3 Zero Discharge	100Y-3D	NE Offsite	0.0003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	0.2513	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	0.5003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	0.7578	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	1.0011	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	1.2576	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	1.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	1.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	2.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	2.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	2.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	2.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	3.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	3.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	3.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	3.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	4.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	4.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	4.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	4.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	5.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	5.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	5.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	5.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	6.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	6.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	6.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	6.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	7.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	7.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	7.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	7.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	8.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	8.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	8.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	8.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	9.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	9.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	9.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	9.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	10.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	10.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	10.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	10.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	11.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	11.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	11.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	11.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	12.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	12.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	12.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	12.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	13.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	13.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	13.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	13.752	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	14.0025	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	14.2553	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	14.5002	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	14.7516	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	15.0003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	15.2509	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	15.5007	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	15.7501	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	16.0021	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	16.2507	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	16.5011	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	16.7513	0.5	0	0	0	0

100/3 Zero Discharge	100Y-3D	NE Offsite	17.0011	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	17.2509	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	17.5001	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	17.7515	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	18.0039	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	18.2578	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	18.503	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	18.7586	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	19.0073	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	19.2521	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	19.5008	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	19.7502	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	20.0064	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	20.2515	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	20.5037	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	20.7523	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	21.0048	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	21.2531	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	21.5092	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	21.7588	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	22.0118	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	22.2535	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	22.5027	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	22.7556	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	23.0044	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	23.2558	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	23.5027	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	23.7581	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	24.0064	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	24.2504	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	24.5033	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	24.7563	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	25.0013	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	25.2546	0.52	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	25.5062	0.52	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	25.7514	0.52	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	26.001	0.53	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	26.2518	0.53	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	26.5053	0.53	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	26.7506	0.54	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	27.0041	0.54	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	27.2501	0.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	27.5067	0.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	27.752	0.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	28.0058	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	28.2523	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	28.5034	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	28.7507	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	29.0078	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	29.2564	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	29.5013	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	29.7503	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	30.0082	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	30.26	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	30.5004	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	30.7574	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	31.0072	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	31.2508	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	31.5026	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	31.7577	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	32.0088	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	32.2535	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	32.5065	0.62	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	32.7535	0.62	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	33.0022	0.63	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	33.2576	0.63	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	33.5052	0.63	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	33.7541	0.64	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	34.0049	0.64	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	34.2533	0.64	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	34.5034	0.65	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	34.7515	0.65	0	0	0	0

100/3 Zero Discharge	100Y-3D	NE Offsite	35.0017	0.65	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	35.2549	0.66	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	35.5011	0.66	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	35.752	0.66	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	36.0014	0.67	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	36.2543	0.67	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	36.5013	0.67	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	36.7538	0.68	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	37.0007	0.68	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	37.2535	0.68	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	37.5016	0.69	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	37.7505	0.69	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	38.0036	0.69	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	38.2518	0.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	38.5028	0.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	38.7514	0.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	39.0025	0.71	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	39.2523	0.71	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	39.5023	0.72	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	39.7534	0.72	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	40.003	0.72	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	40.2514	0.73	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	40.5008	0.73	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	40.7502	0.73	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	41.0012	0.74	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	41.2514	0.74	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	41.5019	0.74	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	41.7524	0.75	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	42.0004	0.75	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	42.252	0.75	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	42.5016	0.76	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	42.7502	0.76	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	43.0023	0.76	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	43.2504	0.77	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	43.5001	0.77	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	43.7502	0.77	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	44.0004	0.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	44.2505	0.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	44.5012	0.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	44.7513	0.79	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	45.0012	0.79	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	45.2512	0.8	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	45.5012	0.8	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	45.7501	0.8	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	46.0013	0.81	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	46.2501	0.81	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	46.5002	0.81	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	46.7526	0.82	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	47.0091	0.82	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	47.2573	0.82	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	47.5032	0.83	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	47.752	0.83	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	48.0026	0.83	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	48.26	0.84	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	48.5029	0.84	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	48.7554	0.84	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	49.0048	0.85	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	49.256	0.85	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	49.5101	0.85	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	49.7543	0.86	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	50.0136	0.86	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	50.2556	0.86	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	50.5013	0.87	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	50.7506	0.87	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	51.0036	0.88	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	51.2549	0.88	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	51.5019	0.88	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	51.7582	0.89	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	52.0059	0.89	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	52.2541	0.89	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	52.5016	0.9	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	52.7502	0.9	0	0	0	0

100/3 Zero Discharge	100Y-3D	NE Offsite	53.0005	0.9	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	53.25	0.91	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	53.5004	0.91	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	53.7553	0.91	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	54.0041	0.92	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	54.2555	0.92	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	54.5035	0.92	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	54.7531	0.93	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	55.0064	0.93	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	55.2505	0.93	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	55.5044	0.94	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	55.7547	0.94	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	56.007	0.94	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	56.2504	0.95	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	56.5006	0.95	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	56.7508	0.95	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	57.0011	0.96	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	57.2505	0.96	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	57.5008	0.97	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	57.7503	0.97	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	58.0004	0.97	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	58.25	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	58.5011	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	58.7501	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	59.0001	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	59.2502	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	59.5004	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	59.7514	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	60.0003	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	60.2503	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	60.5005	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	60.7501	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	61.0004	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	61.2507	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	61.5013	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	61.7509	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	62.0005	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	62.2504	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	62.5002	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	62.7517	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	63.0006	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	63.2509	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	63.5005	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	63.7501	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	64.0008	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	64.2514	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	64.5038	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	64.753	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	65.0023	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	65.252	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	65.5004	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	65.7528	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	66.003	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	66.2537	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	66.5003	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	66.7529	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	67.0029	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	67.2559	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	67.5035	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	67.751	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	68.0018	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	68.2515	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	68.5005	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	68.7557	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	69.002	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	69.2518	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	69.5006	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	69.7552	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	70.008	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	70.2532	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	70.5034	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	NE Offsite	70.7537	0.98	0	0	0	0

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100/3 Zero Discharge	100Y-3D	Node B-1A	13.752	2.19	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1A	14.0025	2.2	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1A	14.2553	2.2	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1A	14.5002	2.21	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1A	14.7516	2.22	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1A	15.0003	2.23	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1A	15.2509	2.23	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-1A	15.5007	2.24	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-1A	15.7501	2.25	0.01	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-1A	16.0021	2.25	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1A	16.2507	2.26	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1A	16.5011	2.26	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1A	16.7513	2.27	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1A	17.0011	2.27	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1A	17.2509	2.28	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1A	17.5001	2.28	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1A	17.7515	2.29	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1A	18.0039	2.3	0.01	0	0.02	0.01
100/3 Zero Discharge	100Y-3D	Node B-1A	18.2578	2.3	0.01	0	0.02	0.01
100/3 Zero Discharge	100Y-3D	Node B-1A	18.503	2.31	0.01	0	0.02	0.01
100/3 Zero Discharge	100Y-3D	Node B-1A	18.7586	2.31	0.01	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1A	19.0073	2.31	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1A	19.2521	2.32	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1A	19.5008	2.32	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1A	19.7502	2.33	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1A	20.0064	2.33	0.02	0	0.03	0.02
100/3 Zero Discharge	100Y-3D	Node B-1A	20.2515	2.34	0.02	0	0.03	0.02
100/3 Zero Discharge	100Y-3D	Node B-1A	20.5037	2.34	0.02	0	0.03	0.02
100/3 Zero Discharge	100Y-3D	Node B-1A	20.7523	2.35	0.02	0	0.03	0.02
100/3 Zero Discharge	100Y-3D	Node B-1A	21.0048	2.35	0.02	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-1A	21.2531	2.36	0.02	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-1A	21.5092	2.36	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-1A	21.7588	2.36	0.03	0	0.04	0.03
100/3 Zero Discharge	100Y-3D	Node B-1A	22.0118	2.37	0.03	0	0.04	0.03
100/3 Zero Discharge	100Y-3D	Node B-1A	22.2535	2.37	0.03	0	0.04	0.03
100/3 Zero Discharge	100Y-3D	Node B-1A	22.5027	2.37	0.03	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-1A	22.7556	2.38	0.03	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-1A	23.0044	2.38	0.03	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-1A	23.2558	2.38	0.03	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-1A	23.5027	2.38	0.04	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-1A	23.7581	2.39	0.04	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-1A	24.0064	2.39	0.04	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node B-1A	24.2504	2.39	0.04	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node B-1A	24.5033	2.4	0.04	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node B-1A	24.7563	2.41	0.04	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node B-1A	25.0013	2.42	0.05	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node B-1A	25.2546	2.44	0.05	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node B-1A	25.5062	2.45	0.05	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node B-1A	25.7514	2.46	0.05	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node B-1A	26.001	2.48	0.05	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node B-1A	26.2518	2.49	0.06	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node B-1A	26.5053	2.51	0.06	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node B-1A	26.7506	2.52	0.06	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node B-1A	27.0041	2.53	0.06	0	0.09	0.07
100/3 Zero Discharge	100Y-3D	Node B-1A	27.2501	2.54	0.07	0	0.09	0.08
100/3 Zero Discharge	100Y-3D	Node B-1A	27.5067	2.56	0.07	0	0.1	0.08
100/3 Zero Discharge	100Y-3D	Node B-1A	27.752	2.57	0.07	0	0.1	0.08
100/3 Zero Discharge	100Y-3D	Node B-1A	28.0058	2.58	0.07	0	0.1	0.08
100/3 Zero Discharge	100Y-3D	Node B-1A	28.2523	2.59	0.08	0	0.11	0.09
100/3 Zero Discharge	100Y-3D	Node B-1A	28.5034	2.6	0.08	0	0.11	0.09
100/3 Zero Discharge	100Y-3D	Node B-1A	28.7507	2.61	0.08	0	0.11	0.09
100/3 Zero Discharge	100Y-3D	Node B-1A	29.0078	2.63	0.08	0	0.12	0.09
100/3 Zero Discharge	100Y-3D	Node B-1A	29.2564	2.64	0.09	0	0.12	0.1
100/3 Zero Discharge	100Y-3D	Node B-1A	29.5013	2.65	0.09	0	0.13	0.1
100/3 Zero Discharge	100Y-3D	Node B-1A	29.7503	2.66	0.09	0	0.13	0.1
100/3 Zero Discharge	100Y-3D	Node B-1A	30.0082	2.68	0.1	0	0.13	0.1
100/3 Zero Discharge	100Y-3D	Node B-1A	30.26	2.69	0.1	0	0.14	0.11
100/3 Zero Discharge	100Y-3D	Node B-1A	30.5004	2.7	0.1	0	0.14	0.11
100/3 Zero Discharge	100Y-3D	Node B-1A	30.7574	2.72	0.1	0	0.15	0.11
100/3 Zero Discharge	100Y-3D	Node B-1A	31.0072	2.73	0.11	0	0.15	0.11
100/3 Zero Discharge	100Y-3D	Node B-1A	31.2508	2.74	0.11	0	0.15	0.12
100/3 Zero Discharge	100Y-3D	Node B-1A	31.5026	2.76	0.11	0	0.16	0.12

100/3 Zero Discharge	100Y-3D	Node B-1A	31.7577	2.77	0.12	0	0.16	0.12
100/3 Zero Discharge	100Y-3D	Node B-1A	32.0088	2.78	0.12	0	0.17	0.12
100/3 Zero Discharge	100Y-3D	Node B-1A	32.2535	2.79	0.12	0	0.17	0.12
100/3 Zero Discharge	100Y-3D	Node B-1A	32.5065	2.81	0.13	0	0.18	0.13
100/3 Zero Discharge	100Y-3D	Node B-1A	32.7535	2.82	0.13	0	0.18	0.13
100/3 Zero Discharge	100Y-3D	Node B-1A	33.0022	2.83	0.13	0	0.18	0.13
100/3 Zero Discharge	100Y-3D	Node B-1A	33.2576	2.84	0.14	0	0.19	0.13
100/3 Zero Discharge	100Y-3D	Node B-1A	33.5052	2.85	0.14	0	0.19	0.13
100/3 Zero Discharge	100Y-3D	Node B-1A	33.7541	2.87	0.14	0	0.2	0.14
100/3 Zero Discharge	100Y-3D	Node B-1A	34.0049	2.88	0.15	0	0.2	0.14
100/3 Zero Discharge	100Y-3D	Node B-1A	34.2533	2.89	0.15	0	0.21	0.14
100/3 Zero Discharge	100Y-3D	Node B-1A	34.5034	2.9	0.15	0	0.21	0.14
100/3 Zero Discharge	100Y-3D	Node B-1A	34.7515	2.91	0.16	0	0.22	0.14
100/3 Zero Discharge	100Y-3D	Node B-1A	35.0017	2.92	0.16	0	0.22	0.15
100/3 Zero Discharge	100Y-3D	Node B-1A	35.2549	2.93	0.16	0	0.23	0.15
100/3 Zero Discharge	100Y-3D	Node B-1A	35.5011	2.94	0.17	0	0.23	0.15
100/3 Zero Discharge	100Y-3D	Node B-1A	35.752	2.95	0.17	0	0.24	0.15
100/3 Zero Discharge	100Y-3D	Node B-1A	36.0014	2.96	0.17	0	0.24	0.15
100/3 Zero Discharge	100Y-3D	Node B-1A	36.2543	2.97	0.18	0	0.25	0.16
100/3 Zero Discharge	100Y-3D	Node B-1A	36.5013	2.98	0.18	0	0.25	0.16
100/3 Zero Discharge	100Y-3D	Node B-1A	36.7538	2.99	0.18	0	0.26	0.16
100/3 Zero Discharge	100Y-3D	Node B-1A	37.0007	3	0.19	0	0.26	0.16
100/3 Zero Discharge	100Y-3D	Node B-1A	37.2535	3.01	0.19	0	0.27	0.16
100/3 Zero Discharge	100Y-3D	Node B-1A	37.5016	3.02	0.19	0	0.27	0.16
100/3 Zero Discharge	100Y-3D	Node B-1A	37.7505	3.03	0.2	0	0.28	0.17
100/3 Zero Discharge	100Y-3D	Node B-1A	38.0036	3.04	0.2	0	0.28	0.17
100/3 Zero Discharge	100Y-3D	Node B-1A	38.2518	3.05	0.2	0	0.29	0.17
100/3 Zero Discharge	100Y-3D	Node B-1A	38.5028	3.06	0.21	0	0.29	0.17
100/3 Zero Discharge	100Y-3D	Node B-1A	38.7514	3.07	0.21	0	0.3	0.17
100/3 Zero Discharge	100Y-3D	Node B-1A	39.0025	3.08	0.22	0	0.3	0.17
100/3 Zero Discharge	100Y-3D	Node B-1A	39.2523	3.09	0.22	0	0.31	0.18
100/3 Zero Discharge	100Y-3D	Node B-1A	39.5023	3.1	0.22	0	0.31	0.18
100/3 Zero Discharge	100Y-3D	Node B-1A	39.7534	3.11	0.23	0	0.32	0.18
100/3 Zero Discharge	100Y-3D	Node B-1A	40.003	3.12	0.23	0	0.32	0.18
100/3 Zero Discharge	100Y-3D	Node B-1A	40.2514	3.13	0.24	0	0.33	0.18
100/3 Zero Discharge	100Y-3D	Node B-1A	40.5008	3.14	0.24	0	0.33	0.18
100/3 Zero Discharge	100Y-3D	Node B-1A	40.7502	3.15	0.24	0	0.34	0.18
100/3 Zero Discharge	100Y-3D	Node B-1A	41.0012	3.16	0.25	0	0.34	0.19
100/3 Zero Discharge	100Y-3D	Node B-1A	41.2514	3.17	0.25	0	0.35	0.19
100/3 Zero Discharge	100Y-3D	Node B-1A	41.5019	3.18	0.25	0	0.35	0.19
100/3 Zero Discharge	100Y-3D	Node B-1A	41.7524	3.19	0.26	0	0.36	0.19
100/3 Zero Discharge	100Y-3D	Node B-1A	42.0004	3.2	0.26	0	0.37	0.19
100/3 Zero Discharge	100Y-3D	Node B-1A	42.252	3.21	0.27	0	0.37	0.19
100/3 Zero Discharge	100Y-3D	Node B-1A	42.5016	3.22	0.27	0	0.38	0.19
100/3 Zero Discharge	100Y-3D	Node B-1A	42.7502	3.23	0.27	0	0.38	0.2
100/3 Zero Discharge	100Y-3D	Node B-1A	43.0023	3.24	0.28	0	0.39	0.2
100/3 Zero Discharge	100Y-3D	Node B-1A	43.2504	3.24	0.28	0	0.39	0.2
100/3 Zero Discharge	100Y-3D	Node B-1A	43.5001	3.25	0.29	0	0.4	0.2
100/3 Zero Discharge	100Y-3D	Node B-1A	43.7502	3.26	0.29	0	0.4	0.2
100/3 Zero Discharge	100Y-3D	Node B-1A	44.0004	3.27	0.29	0	0.41	0.2
100/3 Zero Discharge	100Y-3D	Node B-1A	44.2505	3.28	0.3	0	0.42	0.2
100/3 Zero Discharge	100Y-3D	Node B-1A	44.5012	3.29	0.3	0	0.42	0.2
100/3 Zero Discharge	100Y-3D	Node B-1A	44.7513	3.3	0.31	0	0.43	0.21
100/3 Zero Discharge	100Y-3D	Node B-1A	45.0012	3.31	0.31	0	0.43	0.21
100/3 Zero Discharge	100Y-3D	Node B-1A	45.2512	3.32	0.32	0	0.44	0.21
100/3 Zero Discharge	100Y-3D	Node B-1A	45.5012	3.32	0.32	0	0.45	0.21
100/3 Zero Discharge	100Y-3D	Node B-1A	45.7501	3.33	0.32	0	0.45	0.21
100/3 Zero Discharge	100Y-3D	Node B-1A	46.0013	3.34	0.33	0	0.46	0.21
100/3 Zero Discharge	100Y-3D	Node B-1A	46.2501	3.35	0.33	0	0.46	0.21
100/3 Zero Discharge	100Y-3D	Node B-1A	46.5002	3.36	0.34	0	0.47	0.22
100/3 Zero Discharge	100Y-3D	Node B-1A	46.7526	3.37	0.34	0	0.47	0.22
100/3 Zero Discharge	100Y-3D	Node B-1A	47.0091	3.38	0.35	0	0.48	0.22
100/3 Zero Discharge	100Y-3D	Node B-1A	47.2573	3.38	0.35	0	0.49	0.22
100/3 Zero Discharge	100Y-3D	Node B-1A	47.5032	3.39	0.35	0	0.49	0.22
100/3 Zero Discharge	100Y-3D	Node B-1A	47.752	3.4	0.36	0	0.5	0.22
100/3 Zero Discharge	100Y-3D	Node B-1A	48.0026	3.41	0.36	0	0.5	0.22
100/3 Zero Discharge	100Y-3D	Node B-1A	48.26	3.42	0.37	0	0.51	0.22
100/3 Zero Discharge	100Y-3D	Node B-1A	48.5029	3.42	0.37	0	0.52	0.23
100/3 Zero Discharge	100Y-3D	Node B-1A	48.7554	3.43	0.38	0	0.52	0.23
100/3 Zero Discharge	100Y-3D	Node B-1A	49.0048	3.44	0.38	0	0.53	0.23
100/3 Zero Discharge	100Y-3D	Node B-1A	49.256	3.45	0.39	0	0.54	0.23
100/3 Zero Discharge	100Y-3D	Node B-1A	49.5101	3.46	0.39	0	0.54	0.23

100/3 Zero Discharge	100Y-3D	Node B-1A	49.7543	3.47	0.4	0	0.55	0.23
100/3 Zero Discharge	100Y-3D	Node B-1A	50.0136	3.48	0.4	0	0.56	0.23
100/3 Zero Discharge	100Y-3D	Node B-1A	50.2556	3.49	0.41	0	0.56	0.23
100/3 Zero Discharge	100Y-3D	Node B-1A	50.5013	3.49	0.41	0	0.57	0.24
100/3 Zero Discharge	100Y-3D	Node B-1A	50.7506	3.5	0.42	0	0.58	0.24
100/3 Zero Discharge	100Y-3D	Node B-1A	51.0036	3.51	0.42	0	0.59	0.24
100/3 Zero Discharge	100Y-3D	Node B-1A	51.2549	3.52	0.43	0	0.59	0.24
100/3 Zero Discharge	100Y-3D	Node B-1A	51.5019	3.53	0.43	0	0.6	0.24
100/3 Zero Discharge	100Y-3D	Node B-1A	51.7582	3.55	0.44	0	0.61	0.24
100/3 Zero Discharge	100Y-3D	Node B-1A	52.0059	3.56	0.45	0	0.62	0.24
100/3 Zero Discharge	100Y-3D	Node B-1A	52.2541	3.57	0.45	0	0.63	0.24
100/3 Zero Discharge	100Y-3D	Node B-1A	52.5016	3.58	0.46	0	0.64	0.24
100/3 Zero Discharge	100Y-3D	Node B-1A	52.7502	3.59	0.47	0	0.65	0.25
100/3 Zero Discharge	100Y-3D	Node B-1A	53.0005	3.61	0.48	0	0.66	0.25
100/3 Zero Discharge	100Y-3D	Node B-1A	53.25	3.62	0.48	0	0.67	0.25
100/3 Zero Discharge	100Y-3D	Node B-1A	53.5004	3.64	0.49	0	0.68	0.25
100/3 Zero Discharge	100Y-3D	Node B-1A	53.7553	3.65	0.5	0	0.69	0.25
100/3 Zero Discharge	100Y-3D	Node B-1A	54.0041	3.67	0.51	0	0.71	0.25
100/3 Zero Discharge	100Y-3D	Node B-1A	54.2555	3.68	0.52	0	0.72	0.25
100/3 Zero Discharge	100Y-3D	Node B-1A	54.5035	3.7	0.54	0	0.73	0.25
100/3 Zero Discharge	100Y-3D	Node B-1A	54.7531	3.72	0.55	0	0.75	0.25
100/3 Zero Discharge	100Y-3D	Node B-1A	55.0064	3.74	0.56	0	0.77	0.25
100/3 Zero Discharge	100Y-3D	Node B-1A	55.2505	3.76	0.57	0	0.78	0.25
100/3 Zero Discharge	100Y-3D	Node B-1A	55.5044	3.78	0.59	0	0.8	0.25
100/3 Zero Discharge	100Y-3D	Node B-1A	55.7547	3.8	0.6	0	0.82	0.26
100/3 Zero Discharge	100Y-3D	Node B-1A	56.007	3.82	0.62	0	0.84	0.26
100/3 Zero Discharge	100Y-3D	Node B-1A	56.2504	3.84	0.63	0	0.86	0.26
100/3 Zero Discharge	100Y-3D	Node B-1A	56.5006	3.87	0.65	0	0.88	0.26
100/3 Zero Discharge	100Y-3D	Node B-1A	56.7508	3.89	0.67	0	0.9	0.26
100/3 Zero Discharge	100Y-3D	Node B-1A	57.0011	3.91	0.68	0	0.93	0.27
100/3 Zero Discharge	100Y-3D	Node B-1A	57.2505	3.94	0.7	0	0.95	0.27
100/3 Zero Discharge	100Y-3D	Node B-1A	57.5008	3.96	0.72	0	0.98	0.27
100/3 Zero Discharge	100Y-3D	Node B-1A	57.7503	3.99	0.74	0	1.01	0.28
100/3 Zero Discharge	100Y-3D	Node B-1A	58.0004	4.01	0.76	0	1.04	0.29
100/3 Zero Discharge	100Y-3D	Node B-1A	58.25	4.04	0.79	0	1.07	0.29
100/3 Zero Discharge	100Y-3D	Node B-1A	58.5011	4.06	0.81	0	1.11	0.3
100/3 Zero Discharge	100Y-3D	Node B-1A	58.7501	4.09	0.84	0	1.14	0.31
100/3 Zero Discharge	100Y-3D	Node B-1A	59.0001	4.12	0.87	0	1.19	0.32
100/3 Zero Discharge	100Y-3D	Node B-1A	59.2502	4.15	0.9	0	1.23	0.34
100/3 Zero Discharge	100Y-3D	Node B-1A	59.5004	4.19	0.94	0	1.29	0.35
100/3 Zero Discharge	100Y-3D	Node B-1A	59.7514	4.25	1	0	1.37	0.36
100/3 Zero Discharge	100Y-3D	Node B-1A	60.0003	4.4	1.16	0	1.56	0.37
100/3 Zero Discharge	100Y-3D	Node B-1A	60.2503	4.62	1.39	0	1.84	0.37
100/3 Zero Discharge	100Y-3D	Node B-1A	60.5005	4.79	1.6	0	2.09	0.39
100/3 Zero Discharge	100Y-3D	Node B-1A	60.7501	4.89	1.76	0	2.29	0.44
100/3 Zero Discharge	100Y-3D	Node B-1A	61.0004	4.96	1.89	0	2.46	0.51
100/3 Zero Discharge	100Y-3D	Node B-1A	61.2507	5	2	0	2.61	0.59
100/3 Zero Discharge	100Y-3D	Node B-1A	61.5013	5.04	2.08	0	2.72	0.66
100/3 Zero Discharge	100Y-3D	Node B-1A	61.7509	5.06	2.15	0	2.83	0.72
100/3 Zero Discharge	100Y-3D	Node B-1A	62.0005	5.08	2.21	0	2.91	0.78
100/3 Zero Discharge	100Y-3D	Node B-1A	62.2504	5.08	2.25	0	2.98	0.84
100/3 Zero Discharge	100Y-3D	Node B-1A	62.5002	5.09	2.29	0	3.04	0.89
100/3 Zero Discharge	100Y-3D	Node B-1A	62.7517	5.09	2.32	0	3.08	0.94
100/3 Zero Discharge	100Y-3D	Node B-1A	63.0006	5.09	2.34	0	3.12	0.98
100/3 Zero Discharge	100Y-3D	Node B-1A	63.2509	5.09	2.37	0	3.16	1.01
100/3 Zero Discharge	100Y-3D	Node B-1A	63.5005	5.09	2.39	0	3.19	1.04
100/3 Zero Discharge	100Y-3D	Node B-1A	63.7501	5.09	2.41	0	3.22	1.07
100/3 Zero Discharge	100Y-3D	Node B-1A	64.0008	5.1	2.43	0	3.24	1.08
100/3 Zero Discharge	100Y-3D	Node B-1A	64.2514	5.1	2.45	0	3.27	1.1
100/3 Zero Discharge	100Y-3D	Node B-1A	64.5038	5.11	2.46	0	3.29	1.11
100/3 Zero Discharge	100Y-3D	Node B-1A	64.753	5.12	2.48	0	3.31	1.11
100/3 Zero Discharge	100Y-3D	Node B-1A	65.0023	5.13	2.49	0	3.33	1.12
100/3 Zero Discharge	100Y-3D	Node B-1A	65.252	5.14	2.51	0	3.35	1.12
100/3 Zero Discharge	100Y-3D	Node B-1A	65.5004	5.15	2.52	0	3.36	1.12
100/3 Zero Discharge	100Y-3D	Node B-1A	65.7528	5.16	2.53	0	3.38	1.12
100/3 Zero Discharge	100Y-3D	Node B-1A	66.003	5.16	2.54	0	3.39	1.12
100/3 Zero Discharge	100Y-3D	Node B-1A	66.2537	5.17	2.56	0	3.41	1.13
100/3 Zero Discharge	100Y-3D	Node B-1A	66.5003	5.18	2.57	0	3.42	1.13
100/3 Zero Discharge	100Y-3D	Node B-1A	66.7529	5.19	2.58	0	3.43	1.13
100/3 Zero Discharge	100Y-3D	Node B-1A	67.0029	5.2	2.59	0	3.45	1.13
100/3 Zero Discharge	100Y-3D	Node B-1A	67.2559	5.2	2.6	0	3.46	1.13
100/3 Zero Discharge	100Y-3D	Node B-1A	67.5035	5.21	2.61	0	3.48	1.13

100/3 Zero Discharge	100Y-3D	Node B-1A	67.751	5.22	2.63	0	3.49	1.13
100/3 Zero Discharge	100Y-3D	Node B-1A	68.0018	5.23	2.64	0	3.5	1.13
100/3 Zero Discharge	100Y-3D	Node B-1A	68.2515	5.23	2.65	0	3.52	1.14
100/3 Zero Discharge	100Y-3D	Node B-1A	68.5005	5.24	2.66	0	3.53	1.14
100/3 Zero Discharge	100Y-3D	Node B-1A	68.7557	5.25	2.67	0	3.54	1.14
100/3 Zero Discharge	100Y-3D	Node B-1A	69.002	5.25	2.68	0	3.55	1.14
100/3 Zero Discharge	100Y-3D	Node B-1A	69.2518	5.26	2.69	0	3.56	1.14
100/3 Zero Discharge	100Y-3D	Node B-1A	69.5006	5.26	2.69	0	3.57	1.14
100/3 Zero Discharge	100Y-3D	Node B-1A	69.7552	5.27	2.7	0	3.58	1.14
100/3 Zero Discharge	100Y-3D	Node B-1A	70.008	5.27	2.71	0	3.59	1.14
100/3 Zero Discharge	100Y-3D	Node B-1A	70.2532	5.28	2.72	0	3.6	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	70.5034	5.28	2.73	0	3.61	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	70.7537	5.29	2.73	0	3.62	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	71.0012	5.29	2.74	0	3.63	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	71.254	5.3	2.75	0	3.64	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	71.5	5.3	2.76	0	3.65	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	71.757	5.31	2.77	0	3.66	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	72.0016	5.31	2.77	0	3.66	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	72.2568	5.32	2.78	0	3.67	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	72.5063	5.32	2.79	0	3.68	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	72.7572	5.32	2.79	0	3.68	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	73.0061	5.32	2.79	0	3.68	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	73.2643	5.33	2.79	0	3.68	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	73.5104	5.33	2.79	0	3.69	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	73.7604	5.33	2.8	0	3.69	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	74.0104	5.33	2.8	0	3.69	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	74.2604	5.33	2.8	0	3.69	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	74.5104	5.33	2.8	0	3.69	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	74.7604	5.33	2.8	0	3.69	1.15
100/3 Zero Discharge	100Y-3D	Node B-1A	75.0104	5.33	2.8	0	3.69	1.15
100/3 Zero Discharge	100Y-3D	Node B-1B	0.0003	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	0.2513	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	0.5003	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	0.7578	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	1.0011	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	1.2576	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	1.5157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	1.7657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	2.0157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	2.2657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	2.5157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	2.7657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	3.0157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	3.2657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	3.5157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	3.7657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	4.0157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	4.2657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	4.5157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	4.7657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	5.0157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	5.2657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	5.5157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	5.7657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	6.0157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	6.2657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	6.5157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	6.7657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	7.0157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	7.2657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	7.5157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	7.7657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	8.0157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	8.2657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	8.5157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	8.7657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	9.0157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	9.2657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	9.5157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	9.7657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	10.0157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	10.2657	2.7	0	0	0	0

100/3 Zero Discharge	100Y-3D	Node B-1B	10.5157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	10.7657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	11.0157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	11.2657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	11.5157	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	11.7657	2.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	12.0157	2.71	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	12.2657	2.71	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	12.5157	2.72	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	12.7657	2.73	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	13.0157	2.74	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	13.2657	2.74	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	13.5157	2.75	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	13.752	2.75	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	14.0025	2.75	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	14.2553	2.76	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	14.5002	2.76	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	14.7516	2.76	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	15.0003	2.77	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	15.2509	2.77	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	15.5007	2.77	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	15.7501	2.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	16.0021	2.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	16.2507	2.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	16.5011	2.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	16.7513	2.79	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	17.0011	2.79	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	17.2509	2.79	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	17.5001	2.79	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	17.7515	2.79	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	18.0039	2.8	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	18.2578	2.8	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	18.503	2.8	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-1B	18.7586	2.8	0.01	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-1B	19.0073	2.8	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	19.2521	2.8	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	19.5008	2.81	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	19.7502	2.81	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	20.0064	2.81	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	20.2515	2.81	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	20.5037	2.81	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	20.7523	2.81	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	21.0048	2.81	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	21.2531	2.82	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	21.5092	2.82	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	21.7588	2.82	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	22.0118	2.82	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	22.2535	2.82	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	22.5027	2.82	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	22.7556	2.82	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	23.0044	2.83	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	23.2558	2.83	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	23.5027	2.83	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	23.7581	2.83	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	24.0064	2.83	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-1B	24.2504	2.83	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1B	24.5033	2.84	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1B	24.7563	2.85	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1B	25.0013	2.86	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1B	25.2546	2.86	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1B	25.5062	2.86	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1B	25.7514	2.87	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1B	26.001	2.87	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1B	26.2518	2.87	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1B	26.5053	2.88	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1B	26.7506	2.88	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1B	27.0041	2.88	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-1B	27.2501	2.88	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-1B	27.5067	2.88	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-1B	27.752	2.89	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-1B	28.0058	2.89	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-1B	28.2523	2.89	0.03	0	0.03	0.03

100/3 Zero Discharge	100Y-3D	Node B-1B	28.5034	2.89	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-1B	28.7507	2.89	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-1B	29.0078	2.89	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-1B	29.2564	2.89	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-1B	29.5013	2.9	0.04	0	0.04	0.03
100/3 Zero Discharge	100Y-3D	Node B-1B	29.7503	2.9	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-1B	30.0082	2.9	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-1B	30.26	2.9	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-1B	30.5004	2.9	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-1B	30.7574	2.9	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-1B	31.0072	2.91	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-1B	31.2508	2.91	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-1B	31.5026	2.91	0.05	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-1B	31.7577	2.92	0.05	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node B-1B	32.0088	2.92	0.05	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node B-1B	32.2535	2.93	0.05	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node B-1B	32.5065	2.93	0.05	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node B-1B	32.7535	2.94	0.05	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node B-1B	33.0022	2.95	0.05	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node B-1B	33.2576	2.96	0.05	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node B-1B	33.5052	2.96	0.06	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node B-1B	33.7541	2.97	0.06	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node B-1B	34.0049	2.97	0.06	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node B-1B	34.2533	2.98	0.06	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node B-1B	34.5034	2.99	0.06	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node B-1B	34.7515	2.99	0.06	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node B-1B	35.0017	3	0.06	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node B-1B	35.2549	3.01	0.07	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node B-1B	35.5011	3.02	0.07	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node B-1B	35.752	3.03	0.07	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node B-1B	36.0014	3.04	0.07	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node B-1B	36.2543	3.05	0.07	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node B-1B	36.5013	3.06	0.07	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node B-1B	36.7538	3.08	0.07	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node B-1B	37.0007	3.09	0.08	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node B-1B	37.2535	3.1	0.08	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node B-1B	37.5016	3.11	0.08	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node B-1B	37.7505	3.12	0.08	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node B-1B	38.0036	3.13	0.08	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node B-1B	38.2518	3.14	0.08	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node B-1B	38.5028	3.15	0.08	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node B-1B	38.7514	3.16	0.09	0	0.09	0.08
100/3 Zero Discharge	100Y-3D	Node B-1B	39.0025	3.17	0.09	0	0.09	0.08
100/3 Zero Discharge	100Y-3D	Node B-1B	39.2523	3.18	0.09	0	0.09	0.09
100/3 Zero Discharge	100Y-3D	Node B-1B	39.5023	3.2	0.09	0	0.09	0.09
100/3 Zero Discharge	100Y-3D	Node B-1B	39.7534	3.21	0.09	0	0.09	0.09
100/3 Zero Discharge	100Y-3D	Node B-1B	40.003	3.22	0.09	0	0.09	0.09
100/3 Zero Discharge	100Y-3D	Node B-1B	40.2514	3.23	0.1	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node B-1B	40.5008	3.24	0.1	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node B-1B	40.7502	3.25	0.1	0	0.1	0.1
100/3 Zero Discharge	100Y-3D	Node B-1B	41.0012	3.26	0.1	0	0.1	0.1
100/3 Zero Discharge	100Y-3D	Node B-1B	41.2514	3.27	0.1	0	0.1	0.1
100/3 Zero Discharge	100Y-3D	Node B-1B	41.5019	3.28	0.1	0	0.1	0.1
100/3 Zero Discharge	100Y-3D	Node B-1B	41.7524	3.29	0.1	0	0.1	0.1
100/3 Zero Discharge	100Y-3D	Node B-1B	42.0004	3.3	0.11	0	0.11	0.1
100/3 Zero Discharge	100Y-3D	Node B-1B	42.252	3.31	0.11	0	0.11	0.1
100/3 Zero Discharge	100Y-3D	Node B-1B	42.5016	3.32	0.11	0	0.11	0.11
100/3 Zero Discharge	100Y-3D	Node B-1B	42.7502	3.33	0.11	0	0.11	0.11
100/3 Zero Discharge	100Y-3D	Node B-1B	43.0023	3.34	0.11	0	0.11	0.11
100/3 Zero Discharge	100Y-3D	Node B-1B	43.2504	3.35	0.11	0	0.11	0.11
100/3 Zero Discharge	100Y-3D	Node B-1B	43.5001	3.36	0.12	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node B-1B	43.7502	3.37	0.12	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node B-1B	44.0004	3.38	0.12	0	0.12	0.12
100/3 Zero Discharge	100Y-3D	Node B-1B	44.2505	3.39	0.12	0	0.12	0.12
100/3 Zero Discharge	100Y-3D	Node B-1B	44.5012	3.4	0.12	0	0.12	0.12
100/3 Zero Discharge	100Y-3D	Node B-1B	44.7513	3.41	0.13	0	0.13	0.12
100/3 Zero Discharge	100Y-3D	Node B-1B	45.0012	3.42	0.13	0	0.13	0.12
100/3 Zero Discharge	100Y-3D	Node B-1B	45.2512	3.43	0.13	0	0.13	0.12
100/3 Zero Discharge	100Y-3D	Node B-1B	45.5012	3.44	0.13	0	0.13	0.13
100/3 Zero Discharge	100Y-3D	Node B-1B	45.7501	3.45	0.13	0	0.13	0.13
100/3 Zero Discharge	100Y-3D	Node B-1B	46.0013	3.46	0.13	0	0.13	0.13
100/3 Zero Discharge	100Y-3D	Node B-1B	46.2501	3.47	0.14	0	0.14	0.13

100/3 Zero Discharge	100Y-3D	Node B-1B	46.5002	3.48	0.14	0	0.14	0.13
100/3 Zero Discharge	100Y-3D	Node B-1B	46.7526	3.49	0.14	0	0.14	0.13
100/3 Zero Discharge	100Y-3D	Node B-1B	47.0091	3.5	0.14	0	0.14	0.14
100/3 Zero Discharge	100Y-3D	Node B-1B	47.2573	3.51	0.14	0	0.14	0.14
100/3 Zero Discharge	100Y-3D	Node B-1B	47.5032	3.51	0.14	0	0.14	0.14
100/3 Zero Discharge	100Y-3D	Node B-1B	47.752	3.52	0.15	0	0.15	0.14
100/3 Zero Discharge	100Y-3D	Node B-1B	48.0026	3.53	0.15	0	0.15	0.14
100/3 Zero Discharge	100Y-3D	Node B-1B	48.26	3.54	0.15	0	0.15	0.14
100/3 Zero Discharge	100Y-3D	Node B-1B	48.5029	3.55	0.15	0	0.15	0.15
100/3 Zero Discharge	100Y-3D	Node B-1B	48.7554	3.56	0.15	0	0.15	0.15
100/3 Zero Discharge	100Y-3D	Node B-1B	49.0048	3.57	0.16	0	0.16	0.15
100/3 Zero Discharge	100Y-3D	Node B-1B	49.256	3.58	0.16	0	0.16	0.15
100/3 Zero Discharge	100Y-3D	Node B-1B	49.5101	3.6	0.16	0	0.16	0.15
100/3 Zero Discharge	100Y-3D	Node B-1B	49.7543	3.61	0.16	0	0.16	0.15
100/3 Zero Discharge	100Y-3D	Node B-1B	50.0136	3.62	0.16	0	0.16	0.16
100/3 Zero Discharge	100Y-3D	Node B-1B	50.2556	3.63	0.17	0	0.17	0.16
100/3 Zero Discharge	100Y-3D	Node B-1B	50.5013	3.65	0.17	0	0.17	0.16
100/3 Zero Discharge	100Y-3D	Node B-1B	50.7506	3.66	0.17	0	0.17	0.16
100/3 Zero Discharge	100Y-3D	Node B-1B	51.0036	3.68	0.17	0	0.17	0.16
100/3 Zero Discharge	100Y-3D	Node B-1B	51.2549	3.7	0.18	0	0.18	0.17
100/3 Zero Discharge	100Y-3D	Node B-1B	51.5019	3.72	0.18	0	0.18	0.17
100/3 Zero Discharge	100Y-3D	Node B-1B	51.7582	3.75	0.18	0	0.18	0.17
100/3 Zero Discharge	100Y-3D	Node B-1B	52.0059	3.77	0.18	0	0.18	0.17
100/3 Zero Discharge	100Y-3D	Node B-1B	52.2541	3.79	0.19	0	0.19	0.17
100/3 Zero Discharge	100Y-3D	Node B-1B	52.5016	3.82	0.19	0	0.19	0.18
100/3 Zero Discharge	100Y-3D	Node B-1B	52.7502	3.85	0.19	0	0.19	0.18
100/3 Zero Discharge	100Y-3D	Node B-1B	53.0005	3.89	0.19	0	0.19	0.18
100/3 Zero Discharge	100Y-3D	Node B-1B	53.25	3.93	0.2	0	0.2	0.18
100/3 Zero Discharge	100Y-3D	Node B-1B	53.5004	3.97	0.2	0	0.2	0.19
100/3 Zero Discharge	100Y-3D	Node B-1B	53.7553	4.01	0.21	0	0.21	0.19
100/3 Zero Discharge	100Y-3D	Node B-1B	54.0041	4.04	0.21	0	0.21	0.19
100/3 Zero Discharge	100Y-3D	Node B-1B	54.2555	4.07	0.21	0	0.21	0.2
100/3 Zero Discharge	100Y-3D	Node B-1B	54.5035	4.11	0.22	0	0.22	0.2
100/3 Zero Discharge	100Y-3D	Node B-1B	54.7531	4.14	0.22	0	0.22	0.2
100/3 Zero Discharge	100Y-3D	Node B-1B	55.0064	4.17	0.23	0	0.23	0.21
100/3 Zero Discharge	100Y-3D	Node B-1B	55.2505	4.2	0.23	0	0.23	0.21
100/3 Zero Discharge	100Y-3D	Node B-1B	55.5044	4.22	0.24	0	0.24	0.21
100/3 Zero Discharge	100Y-3D	Node B-1B	55.7547	4.25	0.25	0	0.25	0.22
100/3 Zero Discharge	100Y-3D	Node B-1B	56.007	4.27	0.25	0	0.25	0.22
100/3 Zero Discharge	100Y-3D	Node B-1B	56.2504	4.28	0.26	0	0.26	0.23
100/3 Zero Discharge	100Y-3D	Node B-1B	56.5006	4.28	0.26	0	0.26	0.23
100/3 Zero Discharge	100Y-3D	Node B-1B	56.7508	4.28	0.27	0	0.27	0.24
100/3 Zero Discharge	100Y-3D	Node B-1B	57.0011	4.28	0.28	0	0.28	0.25
100/3 Zero Discharge	100Y-3D	Node B-1B	57.2505	4.29	0.29	0	0.29	0.25
100/3 Zero Discharge	100Y-3D	Node B-1B	57.5008	4.29	0.29	0	0.29	0.26
100/3 Zero Discharge	100Y-3D	Node B-1B	57.7503	4.29	0.3	0	0.3	0.27
100/3 Zero Discharge	100Y-3D	Node B-1B	58.0004	4.29	0.31	0	0.31	0.28
100/3 Zero Discharge	100Y-3D	Node B-1B	58.25	4.3	0.32	0	0.32	0.29
100/3 Zero Discharge	100Y-3D	Node B-1B	58.5011	4.3	0.33	0	0.33	0.3
100/3 Zero Discharge	100Y-3D	Node B-1B	58.7501	4.3	0.34	0	0.34	0.31
100/3 Zero Discharge	100Y-3D	Node B-1B	59.0001	4.31	0.35	0	0.35	0.32
100/3 Zero Discharge	100Y-3D	Node B-1B	59.2502	4.32	0.37	0	0.37	0.33
100/3 Zero Discharge	100Y-3D	Node B-1B	59.5004	4.33	0.38	0	0.38	0.35
100/3 Zero Discharge	100Y-3D	Node B-1B	59.7514	4.36	0.41	0	0.41	0.36
100/3 Zero Discharge	100Y-3D	Node B-1B	60.0003	4.5	0.46	0	0.46	0.4
100/3 Zero Discharge	100Y-3D	Node B-1B	60.2503	4.74	0.54	0	0.54	0.44
100/3 Zero Discharge	100Y-3D	Node B-1B	60.5005	4.91	0.63	0	0.63	0.48
100/3 Zero Discharge	100Y-3D	Node B-1B	60.7501	5	0.7	0	0.7	0.53
100/3 Zero Discharge	100Y-3D	Node B-1B	61.0004	5.05	0.75	0	0.75	0.57
100/3 Zero Discharge	100Y-3D	Node B-1B	61.2507	5.08	0.8	0	0.8	0.61
100/3 Zero Discharge	100Y-3D	Node B-1B	61.5013	5.1	0.84	0	0.84	0.64
100/3 Zero Discharge	100Y-3D	Node B-1B	61.7509	5.1	0.87	0	0.87	0.67
100/3 Zero Discharge	100Y-3D	Node B-1B	62.0005	5.1	0.9	0	0.9	0.7
100/3 Zero Discharge	100Y-3D	Node B-1B	62.2504	5.1	0.93	0	0.93	0.72
100/3 Zero Discharge	100Y-3D	Node B-1B	62.5002	5.1	0.95	0	0.95	0.74
100/3 Zero Discharge	100Y-3D	Node B-1B	62.7517	5.1	0.96	0	0.96	0.76
100/3 Zero Discharge	100Y-3D	Node B-1B	63.0006	5.1	0.97	0	0.97	0.77
100/3 Zero Discharge	100Y-3D	Node B-1B	63.2509	5.1	0.99	0	0.99	0.79
100/3 Zero Discharge	100Y-3D	Node B-1B	63.5005	5.09	1	0	1	0.8
100/3 Zero Discharge	100Y-3D	Node B-1B	63.7501	5.1	1.01	0	1.01	0.8
100/3 Zero Discharge	100Y-3D	Node B-1B	64.0008	5.1	1.01	0	1.01	0.81
100/3 Zero Discharge	100Y-3D	Node B-1B	64.2514	5.11	1.02	0	1.02	0.82

100/3 Zero Discharge	100Y-3D	Node B-1B	64.5038	5.11	1.03	0	1.03	0.82
100/3 Zero Discharge	100Y-3D	Node B-1B	64.753	5.12	1.04	0	1.04	0.83
100/3 Zero Discharge	100Y-3D	Node B-1B	65.0023	5.13	1.04	0	1.04	0.83
100/3 Zero Discharge	100Y-3D	Node B-1B	65.252	5.14	1.05	0	1.05	0.83
100/3 Zero Discharge	100Y-3D	Node B-1B	65.5004	5.15	1.05	0	1.05	0.84
100/3 Zero Discharge	100Y-3D	Node B-1B	65.7528	5.16	1.06	0	1.06	0.84
100/3 Zero Discharge	100Y-3D	Node B-1B	66.003	5.16	1.07	0	1.07	0.84
100/3 Zero Discharge	100Y-3D	Node B-1B	66.2537	5.17	1.07	0	1.07	0.85
100/3 Zero Discharge	100Y-3D	Node B-1B	66.5003	5.18	1.08	0	1.08	0.85
100/3 Zero Discharge	100Y-3D	Node B-1B	66.7529	5.19	1.08	0	1.08	0.85
100/3 Zero Discharge	100Y-3D	Node B-1B	67.0029	5.2	1.09	0	1.09	0.85
100/3 Zero Discharge	100Y-3D	Node B-1B	67.2559	5.2	1.09	0	1.09	0.86
100/3 Zero Discharge	100Y-3D	Node B-1B	67.5035	5.21	1.1	0	1.1	0.86
100/3 Zero Discharge	100Y-3D	Node B-1B	67.751	5.22	1.1	0	1.1	0.86
100/3 Zero Discharge	100Y-3D	Node B-1B	68.0018	5.23	1.11	0	1.11	0.86
100/3 Zero Discharge	100Y-3D	Node B-1B	68.2515	5.24	1.11	0	1.11	0.86
100/3 Zero Discharge	100Y-3D	Node B-1B	68.5005	5.24	1.11	0	1.11	0.87
100/3 Zero Discharge	100Y-3D	Node B-1B	68.7557	5.25	1.12	0	1.12	0.87
100/3 Zero Discharge	100Y-3D	Node B-1B	69.002	5.25	1.12	0	1.12	0.87
100/3 Zero Discharge	100Y-3D	Node B-1B	69.2518	5.26	1.13	0	1.13	0.87
100/3 Zero Discharge	100Y-3D	Node B-1B	69.5006	5.26	1.13	0	1.13	0.87
100/3 Zero Discharge	100Y-3D	Node B-1B	69.7552	5.27	1.13	0	1.13	0.88
100/3 Zero Discharge	100Y-3D	Node B-1B	70.008	5.28	1.14	0	1.14	0.88
100/3 Zero Discharge	100Y-3D	Node B-1B	70.2532	5.28	1.14	0	1.14	0.88
100/3 Zero Discharge	100Y-3D	Node B-1B	70.5034	5.29	1.14	0	1.14	0.88
100/3 Zero Discharge	100Y-3D	Node B-1B	70.7537	5.29	1.15	0	1.15	0.88
100/3 Zero Discharge	100Y-3D	Node B-1B	71.0012	5.3	1.15	0	1.15	0.88
100/3 Zero Discharge	100Y-3D	Node B-1B	71.254	5.3	1.15	0	1.15	0.89
100/3 Zero Discharge	100Y-3D	Node B-1B	71.5	5.3	1.16	0	1.16	0.89
100/3 Zero Discharge	100Y-3D	Node B-1B	71.757	5.31	1.16	0	1.16	0.89
100/3 Zero Discharge	100Y-3D	Node B-1B	72.0016	5.31	1.16	0	1.16	0.89
100/3 Zero Discharge	100Y-3D	Node B-1B	72.2568	5.32	1.17	0	1.17	0.89
100/3 Zero Discharge	100Y-3D	Node B-1B	72.5063	5.32	1.17	0	1.17	0.89
100/3 Zero Discharge	100Y-3D	Node B-1B	72.7572	5.32	1.17	0	1.17	0.89
100/3 Zero Discharge	100Y-3D	Node B-1B	73.0061	5.32	1.17	0	1.17	0.89
100/3 Zero Discharge	100Y-3D	Node B-1B	73.2643	5.33	1.17	0	1.17	0.9
100/3 Zero Discharge	100Y-3D	Node B-1B	73.5104	5.33	1.17	0	1.17	0.9
100/3 Zero Discharge	100Y-3D	Node B-1B	73.7604	5.33	1.17	0	1.18	0.9
100/3 Zero Discharge	100Y-3D	Node B-1B	74.0104	5.33	1.18	0	1.18	0.9
100/3 Zero Discharge	100Y-3D	Node B-1B	74.2604	5.33	1.18	0	1.18	0.9
100/3 Zero Discharge	100Y-3D	Node B-1B	74.5104	5.33	1.18	0	1.18	0.9
100/3 Zero Discharge	100Y-3D	Node B-1B	74.7604	5.33	1.18	0	1.18	0.9
100/3 Zero Discharge	100Y-3D	Node B-1B	75.0104	5.33	1.18	0	1.18	0.9
100/3 Zero Discharge	100Y-3D	Node B-2	0.0003	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	0.2513	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	0.5003	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	0.7578	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	1.0011	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	1.2576	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	1.5157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	1.7657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	2.0157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	2.2657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	2.5157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	2.7657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	3.0157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	3.2657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	3.5157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	3.7657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	4.0157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	4.2657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	4.5157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	4.7657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	5.0157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	5.2657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	5.5157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	5.7657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	6.0157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	6.2657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	6.5157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	6.7657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	7.0157	1.5	0	0	0	0

100/3 Zero Discharge	100Y-3D	Node B-2	7.2657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	7.5157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	7.7657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	8.0157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	8.2657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	8.5157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	8.7657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	9.0157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	9.2657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	9.5157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	9.7657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	10.0157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	10.2657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	10.5157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	10.7657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	11.0157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	11.2657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	11.5157	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	11.7657	1.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	12.0157	1.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	12.2657	1.52	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	12.5157	1.53	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	12.7657	1.54	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	13.0157	1.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	13.2657	1.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	13.5157	1.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	13.752	1.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	14.0025	1.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	14.2553	1.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	14.5002	1.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	14.7516	1.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	15.0003	1.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	15.2509	1.62	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	15.5007	1.63	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-2	15.7501	1.64	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-2	16.0021	1.65	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-2	16.2507	1.66	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-2	16.5011	1.67	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-2	16.7513	1.68	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-2	17.0011	1.69	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-2	17.2509	1.69	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-2	17.5001	1.7	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-2	17.7515	1.71	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-2	18.0039	1.72	0	0	0.02	0.01
100/3 Zero Discharge	100Y-3D	Node B-2	18.2578	1.73	0.01	0	0.02	0.01
100/3 Zero Discharge	100Y-3D	Node B-2	18.503	1.74	0.01	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-2	18.7586	1.75	0.01	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-2	19.0073	1.76	0.01	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-2	19.2521	1.76	0.01	0	0.03	0.02
100/3 Zero Discharge	100Y-3D	Node B-2	19.5008	1.77	0.01	0	0.03	0.02
100/3 Zero Discharge	100Y-3D	Node B-2	19.7502	1.78	0.01	0	0.03	0.02
100/3 Zero Discharge	100Y-3D	Node B-2	20.0064	1.79	0.01	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-2	20.2515	1.79	0.01	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-2	20.5037	1.8	0.01	0	0.04	0.03
100/3 Zero Discharge	100Y-3D	Node B-2	20.7523	1.81	0.01	0	0.04	0.03
100/3 Zero Discharge	100Y-3D	Node B-2	21.0048	1.82	0.02	0	0.04	0.03
100/3 Zero Discharge	100Y-3D	Node B-2	21.2531	1.82	0.02	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-2	21.5092	1.83	0.02	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-2	21.7588	1.84	0.02	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-2	22.0118	1.85	0.02	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-2	22.2535	1.86	0.02	0	0.06	0.04
100/3 Zero Discharge	100Y-3D	Node B-2	22.5027	1.87	0.02	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node B-2	22.7556	1.88	0.02	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node B-2	23.0044	1.89	0.03	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node B-2	23.2558	1.9	0.03	0	0.07	0.05
100/3 Zero Discharge	100Y-3D	Node B-2	23.5027	1.91	0.03	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node B-2	23.7581	1.92	0.03	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node B-2	24.0064	1.93	0.03	0	0.08	0.06
100/3 Zero Discharge	100Y-3D	Node B-2	24.2504	1.94	0.03	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node B-2	24.5033	1.96	0.04	0	0.09	0.07
100/3 Zero Discharge	100Y-3D	Node B-2	24.7563	1.97	0.04	0	0.09	0.07
100/3 Zero Discharge	100Y-3D	Node B-2	25.0013	1.99	0.04	0	0.09	0.07

100/3 Zero Discharge	100Y-3D	Node B-2	25.2546	2.01	0.04	0	0.1	0.08
100/3 Zero Discharge	100Y-3D	Node B-2	25.5062	2.03	0.05	0	0.1	0.08
100/3 Zero Discharge	100Y-3D	Node B-2	25.7514	2.06	0.05	0	0.11	0.08
100/3 Zero Discharge	100Y-3D	Node B-2	26.001	2.08	0.05	0	0.11	0.09
100/3 Zero Discharge	100Y-3D	Node B-2	26.2518	2.1	0.05	0	0.12	0.09
100/3 Zero Discharge	100Y-3D	Node B-2	26.5053	2.12	0.06	0	0.12	0.09
100/3 Zero Discharge	100Y-3D	Node B-2	26.7506	2.15	0.06	0	0.13	0.1
100/3 Zero Discharge	100Y-3D	Node B-2	27.0041	2.17	0.06	0	0.14	0.1
100/3 Zero Discharge	100Y-3D	Node B-2	27.2501	2.19	0.07	0	0.14	0.1
100/3 Zero Discharge	100Y-3D	Node B-2	27.5067	2.21	0.07	0	0.15	0.11
100/3 Zero Discharge	100Y-3D	Node B-2	27.752	2.24	0.07	0	0.15	0.11
100/3 Zero Discharge	100Y-3D	Node B-2	28.0058	2.26	0.08	0	0.16	0.11
100/3 Zero Discharge	100Y-3D	Node B-2	28.2523	2.28	0.08	0	0.16	0.12
100/3 Zero Discharge	100Y-3D	Node B-2	28.5034	2.3	0.08	0	0.17	0.12
100/3 Zero Discharge	100Y-3D	Node B-2	28.7507	2.32	0.09	0	0.18	0.13
100/3 Zero Discharge	100Y-3D	Node B-2	29.0078	2.34	0.09	0	0.18	0.13
100/3 Zero Discharge	100Y-3D	Node B-2	29.2564	2.36	0.09	0	0.19	0.13
100/3 Zero Discharge	100Y-3D	Node B-2	29.5013	2.38	0.1	0	0.19	0.14
100/3 Zero Discharge	100Y-3D	Node B-2	29.7503	2.4	0.1	0	0.2	0.14
100/3 Zero Discharge	100Y-3D	Node B-2	30.0082	2.42	0.1	0	0.21	0.15
100/3 Zero Discharge	100Y-3D	Node B-2	30.26	2.44	0.11	0	0.21	0.15
100/3 Zero Discharge	100Y-3D	Node B-2	30.5004	2.46	0.11	0	0.22	0.15
100/3 Zero Discharge	100Y-3D	Node B-2	30.7574	2.48	0.12	0	0.23	0.16
100/3 Zero Discharge	100Y-3D	Node B-2	31.0072	2.5	0.12	0	0.23	0.16
100/3 Zero Discharge	100Y-3D	Node B-2	31.2508	2.52	0.12	0	0.24	0.17
100/3 Zero Discharge	100Y-3D	Node B-2	31.5026	2.54	0.13	0	0.25	0.17
100/3 Zero Discharge	100Y-3D	Node B-2	31.7577	2.56	0.13	0	0.25	0.17
100/3 Zero Discharge	100Y-3D	Node B-2	32.0088	2.57	0.14	0	0.26	0.18
100/3 Zero Discharge	100Y-3D	Node B-2	32.2535	2.59	0.14	0	0.26	0.18
100/3 Zero Discharge	100Y-3D	Node B-2	32.5065	2.61	0.14	0	0.27	0.19
100/3 Zero Discharge	100Y-3D	Node B-2	32.7535	2.63	0.15	0	0.28	0.19
100/3 Zero Discharge	100Y-3D	Node B-2	33.0022	2.64	0.15	0	0.28	0.19
100/3 Zero Discharge	100Y-3D	Node B-2	33.2576	2.66	0.16	0	0.29	0.2
100/3 Zero Discharge	100Y-3D	Node B-2	33.5052	2.68	0.16	0	0.3	0.2
100/3 Zero Discharge	100Y-3D	Node B-2	33.7541	2.69	0.17	0	0.3	0.21
100/3 Zero Discharge	100Y-3D	Node B-2	34.0049	2.71	0.17	0	0.31	0.21
100/3 Zero Discharge	100Y-3D	Node B-2	34.2533	2.72	0.18	0	0.32	0.21
100/3 Zero Discharge	100Y-3D	Node B-2	34.5034	2.74	0.18	0	0.32	0.22
100/3 Zero Discharge	100Y-3D	Node B-2	34.7515	2.75	0.19	0	0.33	0.22
100/3 Zero Discharge	100Y-3D	Node B-2	35.0017	2.77	0.19	0	0.34	0.23
100/3 Zero Discharge	100Y-3D	Node B-2	35.2549	2.78	0.19	0	0.34	0.23
100/3 Zero Discharge	100Y-3D	Node B-2	35.5011	2.79	0.2	0	0.35	0.23
100/3 Zero Discharge	100Y-3D	Node B-2	35.752	2.81	0.2	0	0.36	0.24
100/3 Zero Discharge	100Y-3D	Node B-2	36.0014	2.82	0.21	0	0.36	0.24
100/3 Zero Discharge	100Y-3D	Node B-2	36.2543	2.84	0.21	0	0.37	0.25
100/3 Zero Discharge	100Y-3D	Node B-2	36.5013	2.85	0.22	0	0.38	0.25
100/3 Zero Discharge	100Y-3D	Node B-2	36.7538	2.86	0.22	0	0.38	0.25
100/3 Zero Discharge	100Y-3D	Node B-2	37.0007	2.88	0.23	0	0.39	0.26
100/3 Zero Discharge	100Y-3D	Node B-2	37.2535	2.89	0.23	0	0.4	0.26
100/3 Zero Discharge	100Y-3D	Node B-2	37.5016	2.9	0.24	0	0.4	0.27
100/3 Zero Discharge	100Y-3D	Node B-2	37.7505	2.91	0.24	0	0.41	0.27
100/3 Zero Discharge	100Y-3D	Node B-2	38.0036	2.93	0.25	0	0.42	0.27
100/3 Zero Discharge	100Y-3D	Node B-2	38.2518	2.94	0.26	0	0.42	0.28
100/3 Zero Discharge	100Y-3D	Node B-2	38.5028	2.95	0.26	0	0.43	0.28
100/3 Zero Discharge	100Y-3D	Node B-2	38.7514	2.97	0.27	0	0.44	0.28
100/3 Zero Discharge	100Y-3D	Node B-2	39.0025	2.98	0.27	0	0.45	0.29
100/3 Zero Discharge	100Y-3D	Node B-2	39.2523	2.99	0.28	0	0.45	0.29
100/3 Zero Discharge	100Y-3D	Node B-2	39.5023	3.01	0.28	0	0.46	0.3
100/3 Zero Discharge	100Y-3D	Node B-2	39.7534	3.02	0.29	0	0.47	0.3
100/3 Zero Discharge	100Y-3D	Node B-2	40.003	3.03	0.29	0	0.47	0.3
100/3 Zero Discharge	100Y-3D	Node B-2	40.2514	3.04	0.3	0	0.48	0.31
100/3 Zero Discharge	100Y-3D	Node B-2	40.5008	3.05	0.31	0	0.49	0.31
100/3 Zero Discharge	100Y-3D	Node B-2	40.7502	3.06	0.31	0	0.5	0.32
100/3 Zero Discharge	100Y-3D	Node B-2	41.0012	3.08	0.32	0	0.5	0.32
100/3 Zero Discharge	100Y-3D	Node B-2	41.2514	3.09	0.32	0	0.51	0.32
100/3 Zero Discharge	100Y-3D	Node B-2	41.5019	3.1	0.33	0	0.52	0.33
100/3 Zero Discharge	100Y-3D	Node B-2	41.7524	3.11	0.33	0	0.52	0.33
100/3 Zero Discharge	100Y-3D	Node B-2	42.0004	3.12	0.34	0	0.53	0.34
100/3 Zero Discharge	100Y-3D	Node B-2	42.252	3.13	0.35	0	0.54	0.34
100/3 Zero Discharge	100Y-3D	Node B-2	42.5016	3.14	0.35	0	0.55	0.34
100/3 Zero Discharge	100Y-3D	Node B-2	42.7502	3.15	0.36	0	0.55	0.35
100/3 Zero Discharge	100Y-3D	Node B-2	43.0023	3.16	0.36	0	0.56	0.35

100/3 Zero Discharge	100Y-3D	Node B-2	43.2504	3.17	0.37	0	0.57	0.36
100/3 Zero Discharge	100Y-3D	Node B-2	43.5001	3.18	0.38	0	0.57	0.36
100/3 Zero Discharge	100Y-3D	Node B-2	43.7502	3.19	0.38	0	0.58	0.36
100/3 Zero Discharge	100Y-3D	Node B-2	44.0004	3.2	0.39	0	0.59	0.37
100/3 Zero Discharge	100Y-3D	Node B-2	44.2505	3.21	0.39	0	0.6	0.37
100/3 Zero Discharge	100Y-3D	Node B-2	44.5012	3.22	0.4	0	0.6	0.38
100/3 Zero Discharge	100Y-3D	Node B-2	44.7513	3.23	0.41	0	0.61	0.38
100/3 Zero Discharge	100Y-3D	Node B-2	45.0012	3.23	0.41	0	0.62	0.38
100/3 Zero Discharge	100Y-3D	Node B-2	45.2512	3.24	0.42	0	0.63	0.39
100/3 Zero Discharge	100Y-3D	Node B-2	45.5012	3.25	0.42	0	0.63	0.39
100/3 Zero Discharge	100Y-3D	Node B-2	45.7501	3.26	0.43	0	0.64	0.39
100/3 Zero Discharge	100Y-3D	Node B-2	46.0013	3.27	0.44	0	0.65	0.4
100/3 Zero Discharge	100Y-3D	Node B-2	46.2501	3.28	0.44	0	0.66	0.4
100/3 Zero Discharge	100Y-3D	Node B-2	46.5002	3.29	0.45	0	0.67	0.41
100/3 Zero Discharge	100Y-3D	Node B-2	46.7526	3.3	0.46	0	0.67	0.41
100/3 Zero Discharge	100Y-3D	Node B-2	47.0091	3.31	0.46	0	0.68	0.41
100/3 Zero Discharge	100Y-3D	Node B-2	47.2573	3.31	0.47	0	0.69	0.42
100/3 Zero Discharge	100Y-3D	Node B-2	47.5032	3.32	0.48	0	0.7	0.42
100/3 Zero Discharge	100Y-3D	Node B-2	47.752	3.33	0.48	0	0.7	0.43
100/3 Zero Discharge	100Y-3D	Node B-2	48.0026	3.34	0.49	0	0.71	0.43
100/3 Zero Discharge	100Y-3D	Node B-2	48.26	3.35	0.5	0	0.72	0.43
100/3 Zero Discharge	100Y-3D	Node B-2	48.5029	3.36	0.5	0	0.73	0.44
100/3 Zero Discharge	100Y-3D	Node B-2	48.7554	3.37	0.51	0	0.74	0.44
100/3 Zero Discharge	100Y-3D	Node B-2	49.0048	3.38	0.52	0	0.74	0.44
100/3 Zero Discharge	100Y-3D	Node B-2	49.256	3.39	0.52	0	0.75	0.45
100/3 Zero Discharge	100Y-3D	Node B-2	49.5101	3.4	0.53	0	0.76	0.45
100/3 Zero Discharge	100Y-3D	Node B-2	49.7543	3.41	0.54	0	0.77	0.46
100/3 Zero Discharge	100Y-3D	Node B-2	50.0136	3.42	0.55	0	0.78	0.46
100/3 Zero Discharge	100Y-3D	Node B-2	50.2556	3.42	0.55	0	0.79	0.46
100/3 Zero Discharge	100Y-3D	Node B-2	50.5013	3.44	0.56	0	0.8	0.47
100/3 Zero Discharge	100Y-3D	Node B-2	50.7506	3.45	0.57	0	0.81	0.47
100/3 Zero Discharge	100Y-3D	Node B-2	51.0036	3.46	0.58	0	0.82	0.48
100/3 Zero Discharge	100Y-3D	Node B-2	51.2549	3.47	0.59	0	0.83	0.48
100/3 Zero Discharge	100Y-3D	Node B-2	51.5019	3.48	0.6	0	0.84	0.48
100/3 Zero Discharge	100Y-3D	Node B-2	51.7582	3.49	0.61	0	0.85	0.49
100/3 Zero Discharge	100Y-3D	Node B-2	52.0059	3.51	0.62	0	0.86	0.49
100/3 Zero Discharge	100Y-3D	Node B-2	52.2541	3.52	0.63	0	0.87	0.49
100/3 Zero Discharge	100Y-3D	Node B-2	52.5016	3.53	0.64	0	0.89	0.5
100/3 Zero Discharge	100Y-3D	Node B-2	52.7502	3.55	0.65	0	0.9	0.5
100/3 Zero Discharge	100Y-3D	Node B-2	53.0005	3.56	0.67	0	0.91	0.51
100/3 Zero Discharge	100Y-3D	Node B-2	53.25	3.58	0.68	0	0.93	0.51
100/3 Zero Discharge	100Y-3D	Node B-2	53.5004	3.6	0.7	0	0.94	0.51
100/3 Zero Discharge	100Y-3D	Node B-2	53.7553	3.62	0.71	0	0.96	0.52
100/3 Zero Discharge	100Y-3D	Node B-2	54.0041	3.63	0.73	0	0.98	0.52
100/3 Zero Discharge	100Y-3D	Node B-2	54.2555	3.65	0.75	0	1	0.53
100/3 Zero Discharge	100Y-3D	Node B-2	54.5035	3.67	0.76	0	1.02	0.53
100/3 Zero Discharge	100Y-3D	Node B-2	54.7531	3.7	0.78	0	1.04	0.53
100/3 Zero Discharge	100Y-3D	Node B-2	55.0064	3.72	0.8	0	1.06	0.54
100/3 Zero Discharge	100Y-3D	Node B-2	55.2505	3.74	0.82	0	1.08	0.54
100/3 Zero Discharge	100Y-3D	Node B-2	55.5044	3.76	0.85	0	1.1	0.55
100/3 Zero Discharge	100Y-3D	Node B-2	55.7547	3.79	0.87	0	1.13	0.55
100/3 Zero Discharge	100Y-3D	Node B-2	56.007	3.81	0.9	0	1.15	0.56
100/3 Zero Discharge	100Y-3D	Node B-2	56.2504	3.83	0.92	0	1.18	0.56
100/3 Zero Discharge	100Y-3D	Node B-2	56.5006	3.85	0.95	0	1.21	0.57
100/3 Zero Discharge	100Y-3D	Node B-2	56.7508	3.87	0.98	0	1.24	0.59
100/3 Zero Discharge	100Y-3D	Node B-2	57.0011	3.89	1.01	0	1.27	0.6
100/3 Zero Discharge	100Y-3D	Node B-2	57.2505	3.91	1.04	0	1.31	0.62
100/3 Zero Discharge	100Y-3D	Node B-2	57.5008	3.93	1.07	0	1.34	0.63
100/3 Zero Discharge	100Y-3D	Node B-2	57.7503	3.95	1.1	0	1.38	0.66
100/3 Zero Discharge	100Y-3D	Node B-2	58.0004	3.96	1.14	0	1.43	0.68
100/3 Zero Discharge	100Y-3D	Node B-2	58.25	3.98	1.18	0	1.47	0.71
100/3 Zero Discharge	100Y-3D	Node B-2	58.5011	4	1.22	0	1.52	0.73
100/3 Zero Discharge	100Y-3D	Node B-2	58.7501	4.02	1.26	0	1.58	0.77
100/3 Zero Discharge	100Y-3D	Node B-2	59.0001	4.05	1.32	0	1.64	0.8
100/3 Zero Discharge	100Y-3D	Node B-2	59.2502	4.07	1.37	0	1.71	0.84
100/3 Zero Discharge	100Y-3D	Node B-2	59.5004	4.11	1.45	0	1.8	0.89
100/3 Zero Discharge	100Y-3D	Node B-2	59.7514	4.19	1.59	0	1.95	0.95
100/3 Zero Discharge	100Y-3D	Node B-2	60.0003	4.41	1.95	0	2.32	1.03
100/3 Zero Discharge	100Y-3D	Node B-2	60.2503	4.61	2.41	0	2.78	1.18
100/3 Zero Discharge	100Y-3D	Node B-2	60.5005	4.64	2.75	0	3.14	1.5
100/3 Zero Discharge	100Y-3D	Node B-2	60.7501	4.63	3	0	3.44	1.81
100/3 Zero Discharge	100Y-3D	Node B-2	61.0004	4.64	3.19	0	3.71	2.06

100/3 Zero Discharge	100Y-3D	Node B-2	61.2507	4.72	3.34	0	3.92	2.14
100/3 Zero Discharge	100Y-3D	Node B-2	61.5013	4.79	3.44	0	4.1	2.2
100/3 Zero Discharge	100Y-3D	Node B-2	61.7509	4.84	3.52	0	4.24	2.24
100/3 Zero Discharge	100Y-3D	Node B-2	62.0005	4.89	3.58	0	4.36	2.29
100/3 Zero Discharge	100Y-3D	Node B-2	62.2504	4.92	3.64	0	4.47	2.33
100/3 Zero Discharge	100Y-3D	Node B-2	62.5002	4.95	3.68	0	4.57	2.36
100/3 Zero Discharge	100Y-3D	Node B-2	62.7517	4.98	3.72	0	4.66	2.4
100/3 Zero Discharge	100Y-3D	Node B-2	63.0006	5	3.76	0	4.74	2.43
100/3 Zero Discharge	100Y-3D	Node B-2	63.2509	5.03	3.8	0	4.81	2.46
100/3 Zero Discharge	100Y-3D	Node B-2	63.5005	5.05	3.83	0	4.87	2.48
100/3 Zero Discharge	100Y-3D	Node B-2	63.7501	5.06	3.86	0	4.93	2.5
100/3 Zero Discharge	100Y-3D	Node B-2	64.0008	5.08	3.9	0	4.98	2.52
100/3 Zero Discharge	100Y-3D	Node B-2	64.2514	5.09	3.93	0	5.03	2.54
100/3 Zero Discharge	100Y-3D	Node B-2	64.5038	5.11	3.95	0	5.06	2.55
100/3 Zero Discharge	100Y-3D	Node B-2	64.753	5.12	3.98	0	5.09	2.55
100/3 Zero Discharge	100Y-3D	Node B-2	65.0023	5.13	4	0	5.12	2.56
100/3 Zero Discharge	100Y-3D	Node B-2	65.252	5.14	4.02	0	5.14	2.56
100/3 Zero Discharge	100Y-3D	Node B-2	65.5004	5.14	4.04	0	5.16	2.57
100/3 Zero Discharge	100Y-3D	Node B-2	65.7528	5.15	4.06	0	5.18	2.57
100/3 Zero Discharge	100Y-3D	Node B-2	66.003	5.16	4.08	0	5.2	2.57
100/3 Zero Discharge	100Y-3D	Node B-2	66.2537	5.17	4.1	0	5.23	2.58
100/3 Zero Discharge	100Y-3D	Node B-2	66.5003	5.18	4.12	0	5.25	2.58
100/3 Zero Discharge	100Y-3D	Node B-2	66.7529	5.18	4.14	0	5.27	2.59
100/3 Zero Discharge	100Y-3D	Node B-2	67.0029	5.19	4.16	0	5.29	2.59
100/3 Zero Discharge	100Y-3D	Node B-2	67.2559	5.2	4.18	0	5.31	2.6
100/3 Zero Discharge	100Y-3D	Node B-2	67.5035	5.21	4.2	0	5.33	2.6
100/3 Zero Discharge	100Y-3D	Node B-2	67.751	5.22	4.22	0	5.35	2.6
100/3 Zero Discharge	100Y-3D	Node B-2	68.0018	5.22	4.24	0	5.37	2.61
100/3 Zero Discharge	100Y-3D	Node B-2	68.2515	5.23	4.26	0	5.39	2.61
100/3 Zero Discharge	100Y-3D	Node B-2	68.5005	5.24	4.27	0	5.41	2.61
100/3 Zero Discharge	100Y-3D	Node B-2	68.7557	5.24	4.29	0	5.43	2.62
100/3 Zero Discharge	100Y-3D	Node B-2	69.002	5.25	4.3	0	5.44	2.62
100/3 Zero Discharge	100Y-3D	Node B-2	69.2518	5.26	4.32	0	5.46	2.62
100/3 Zero Discharge	100Y-3D	Node B-2	69.5006	5.26	4.33	0	5.47	2.63
100/3 Zero Discharge	100Y-3D	Node B-2	69.7552	5.27	4.34	0	5.49	2.63
100/3 Zero Discharge	100Y-3D	Node B-2	70.008	5.27	4.36	0	5.5	2.63
100/3 Zero Discharge	100Y-3D	Node B-2	70.2532	5.28	4.37	0	5.52	2.63
100/3 Zero Discharge	100Y-3D	Node B-2	70.5034	5.28	4.38	0	5.53	2.64
100/3 Zero Discharge	100Y-3D	Node B-2	70.7537	5.29	4.4	0	5.54	2.64
100/3 Zero Discharge	100Y-3D	Node B-2	71.0012	5.29	4.41	0	5.56	2.64
100/3 Zero Discharge	100Y-3D	Node B-2	71.254	5.3	4.42	0	5.57	2.64
100/3 Zero Discharge	100Y-3D	Node B-2	71.5	5.3	4.44	0	5.59	2.65
100/3 Zero Discharge	100Y-3D	Node B-2	71.757	5.31	4.45	0	5.6	2.65
100/3 Zero Discharge	100Y-3D	Node B-2	72.0016	5.31	4.46	0	5.62	2.65
100/3 Zero Discharge	100Y-3D	Node B-2	72.2568	5.32	4.47	0	5.63	2.66
100/3 Zero Discharge	100Y-3D	Node B-2	72.5063	5.32	4.48	0	5.64	2.66
100/3 Zero Discharge	100Y-3D	Node B-2	72.7572	5.32	4.49	0	5.64	2.66
100/3 Zero Discharge	100Y-3D	Node B-2	73.0061	5.32	4.49	0	5.65	2.66
100/3 Zero Discharge	100Y-3D	Node B-2	73.2643	5.32	4.49	0	5.65	2.66
100/3 Zero Discharge	100Y-3D	Node B-2	73.5104	5.33	4.49	0	5.65	2.66
100/3 Zero Discharge	100Y-3D	Node B-2	73.7604	5.33	4.49	0	5.65	2.66
100/3 Zero Discharge	100Y-3D	Node B-2	74.0104	5.33	4.49	0	5.65	2.66
100/3 Zero Discharge	100Y-3D	Node B-2	74.2604	5.33	4.49	0	5.65	2.66
100/3 Zero Discharge	100Y-3D	Node B-2	74.5104	5.33	4.49	0	5.65	2.66
100/3 Zero Discharge	100Y-3D	Node B-2	74.7604	5.33	4.49	0	5.65	2.66
100/3 Zero Discharge	100Y-3D	Node B-2	75.0104	5.33	4.49	0	5.65	2.66
100/3 Zero Discharge	100Y-3D	Node B-3	0.0003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	0.2513	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	0.5003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	0.7578	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	1.0011	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	1.2576	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	1.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	1.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	2.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	2.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	2.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	2.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	3.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	3.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	3.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	3.7657	0.5	0	0	0	0

100/3 Zero Discharge	100Y-3D	Node B-3	4.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	4.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	4.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	4.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	5.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	5.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	5.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	5.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	6.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	6.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	6.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	6.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	7.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	7.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	7.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	7.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	8.0157	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	8.2657	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	8.5157	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	8.7657	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	9.0157	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	9.2657	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	9.5157	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	9.7657	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	10.0157	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	10.2657	0.52	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	10.5157	0.52	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	10.7657	0.52	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-3	11.0157	0.52	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	11.2657	0.52	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	11.5157	0.52	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	11.7657	0.52	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	12.0157	0.53	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	12.2657	0.53	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	12.5157	0.53	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	12.7657	0.53	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	13.0157	0.53	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	13.2657	0.54	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	13.5157	0.54	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	13.752	0.54	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	14.0025	0.54	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	14.2553	0.55	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	14.5002	0.55	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	14.7516	0.55	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	15.0003	0.56	0	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-3	15.2509	0.56	0	0	0.02	0
100/3 Zero Discharge	100Y-3D	Node B-3	15.5007	0.56	0	0	0.02	0
100/3 Zero Discharge	100Y-3D	Node B-3	15.7501	0.57	0	0	0.02	0
100/3 Zero Discharge	100Y-3D	Node B-3	16.0021	0.58	0	0	0.02	0
100/3 Zero Discharge	100Y-3D	Node B-3	16.2507	0.58	0	0	0.02	0
100/3 Zero Discharge	100Y-3D	Node B-3	16.5011	0.59	0	0	0.02	0
100/3 Zero Discharge	100Y-3D	Node B-3	16.7513	0.6	0	0	0.02	0
100/3 Zero Discharge	100Y-3D	Node B-3	17.0011	0.61	0	0	0.03	0
100/3 Zero Discharge	100Y-3D	Node B-3	17.2509	0.61	0	0	0.03	0
100/3 Zero Discharge	100Y-3D	Node B-3	17.5001	0.62	0	0	0.03	0
100/3 Zero Discharge	100Y-3D	Node B-3	17.7515	0.63	0	0	0.03	0
100/3 Zero Discharge	100Y-3D	Node B-3	18.0039	0.65	0.01	0	0.04	0
100/3 Zero Discharge	100Y-3D	Node B-3	18.2578	0.66	0.01	0	0.04	0
100/3 Zero Discharge	100Y-3D	Node B-3	18.503	0.67	0.01	0	0.04	0
100/3 Zero Discharge	100Y-3D	Node B-3	18.7586	0.69	0.01	0	0.05	0
100/3 Zero Discharge	100Y-3D	Node B-3	19.0073	0.7	0.01	0	0.05	0
100/3 Zero Discharge	100Y-3D	Node B-3	19.2521	0.71	0.01	0	0.05	0
100/3 Zero Discharge	100Y-3D	Node B-3	19.5008	0.73	0.01	0	0.06	0
100/3 Zero Discharge	100Y-3D	Node B-3	19.7502	0.74	0.01	0	0.06	0
100/3 Zero Discharge	100Y-3D	Node B-3	20.0064	0.76	0.01	0	0.07	0
100/3 Zero Discharge	100Y-3D	Node B-3	20.2515	0.78	0.02	0	0.07	0
100/3 Zero Discharge	100Y-3D	Node B-3	20.5037	0.79	0.02	0	0.08	0
100/3 Zero Discharge	100Y-3D	Node B-3	20.7523	0.81	0.02	0	0.08	0
100/3 Zero Discharge	100Y-3D	Node B-3	21.0048	0.83	0.02	0	0.08	0
100/3 Zero Discharge	100Y-3D	Node B-3	21.2531	0.85	0.02	0	0.09	0
100/3 Zero Discharge	100Y-3D	Node B-3	21.5092	0.87	0.02	0	0.09	0
100/3 Zero Discharge	100Y-3D	Node B-3	21.7588	0.89	0.02	0	0.1	0

100/3 Zero Discharge	100Y-3D	Node B-3	22.0118	0.91	0.03	0	0.1	0
100/3 Zero Discharge	100Y-3D	Node B-3	22.2535	0.93	0.03	0	0.11	0
100/3 Zero Discharge	100Y-3D	Node B-3	22.5027	0.95	0.03	0	0.12	0
100/3 Zero Discharge	100Y-3D	Node B-3	22.7556	0.97	0.03	0	0.12	0
100/3 Zero Discharge	100Y-3D	Node B-3	23.0044	0.99	0.03	0	0.13	0
100/3 Zero Discharge	100Y-3D	Node B-3	23.2558	1.01	0.03	0	0.13	0
100/3 Zero Discharge	100Y-3D	Node B-3	23.5027	1.03	0.04	0	0.14	0
100/3 Zero Discharge	100Y-3D	Node B-3	23.7581	1.05	0.04	0	0.14	0
100/3 Zero Discharge	100Y-3D	Node B-3	24.0064	1.07	0.04	0	0.15	0
100/3 Zero Discharge	100Y-3D	Node B-3	24.2504	1.1	0.04	0	0.16	0
100/3 Zero Discharge	100Y-3D	Node B-3	24.5033	1.12	0.05	0	0.16	0
100/3 Zero Discharge	100Y-3D	Node B-3	24.7563	1.15	0.05	0	0.17	0
100/3 Zero Discharge	100Y-3D	Node B-3	25.0013	1.18	0.05	0	0.18	0
100/3 Zero Discharge	100Y-3D	Node B-3	25.2546	1.21	0.05	0	0.19	0
100/3 Zero Discharge	100Y-3D	Node B-3	25.5062	1.24	0.06	0	0.2	0
100/3 Zero Discharge	100Y-3D	Node B-3	25.7514	1.27	0.06	0	0.2	0
100/3 Zero Discharge	100Y-3D	Node B-3	26.001	1.3	0.06	0	0.21	0
100/3 Zero Discharge	100Y-3D	Node B-3	26.2518	1.33	0.07	0	0.22	0
100/3 Zero Discharge	100Y-3D	Node B-3	26.5053	1.36	0.07	0	0.23	0
100/3 Zero Discharge	100Y-3D	Node B-3	26.7506	1.4	0.08	0	0.24	0
100/3 Zero Discharge	100Y-3D	Node B-3	27.0041	1.43	0.08	0	0.25	0
100/3 Zero Discharge	100Y-3D	Node B-3	27.2501	1.46	0.08	0	0.26	0
100/3 Zero Discharge	100Y-3D	Node B-3	27.5067	1.5	0.09	0	0.27	0
100/3 Zero Discharge	100Y-3D	Node B-3	27.752	1.53	0.09	0	0.28	0
100/3 Zero Discharge	100Y-3D	Node B-3	28.0058	1.55	0.1	0	0.29	0
100/3 Zero Discharge	100Y-3D	Node B-3	28.2523	1.58	0.1	0	0.3	0
100/3 Zero Discharge	100Y-3D	Node B-3	28.5034	1.61	0.11	0	0.31	0
100/3 Zero Discharge	100Y-3D	Node B-3	28.7507	1.63	0.11	0	0.32	0
100/3 Zero Discharge	100Y-3D	Node B-3	29.0078	1.66	0.11	0	0.33	0
100/3 Zero Discharge	100Y-3D	Node B-3	29.2564	1.68	0.12	0	0.34	0
100/3 Zero Discharge	100Y-3D	Node B-3	29.5013	1.71	0.12	0	0.35	0
100/3 Zero Discharge	100Y-3D	Node B-3	29.7503	1.73	0.13	0	0.36	0
100/3 Zero Discharge	100Y-3D	Node B-3	30.0082	1.75	0.13	0	0.37	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	30.26	1.77	0.14	0	0.38	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	30.5004	1.8	0.14	0	0.39	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	30.7574	1.82	0.15	0	0.41	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	31.0072	1.84	0.15	0	0.42	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	31.2508	1.86	0.16	0	0.43	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	31.5026	1.87	0.16	0	0.44	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	31.7577	1.89	0.17	0	0.45	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	32.0088	1.91	0.18	0	0.46	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	32.2535	1.93	0.18	0	0.47	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	32.5065	1.95	0.19	0	0.49	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	32.7535	1.97	0.19	0	0.5	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	33.0022	1.98	0.2	0	0.51	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	33.2576	2	0.2	0	0.52	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	33.5052	2.02	0.21	0	0.53	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	33.7541	2.03	0.22	0	0.54	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	34.0049	2.05	0.22	0	0.56	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	34.2533	2.06	0.23	0	0.57	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	34.5034	2.08	0.23	0	0.58	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	34.7515	2.1	0.24	0	0.59	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	35.0017	2.11	0.25	0	0.6	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	35.2549	2.13	0.25	0	0.62	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	35.5011	2.14	0.26	0	0.63	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	35.752	2.15	0.26	0	0.64	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	36.0014	2.17	0.27	0	0.65	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	36.2543	2.18	0.28	0	0.67	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	36.5013	2.2	0.28	0	0.68	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	36.7538	2.21	0.29	0	0.69	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	37.0007	2.22	0.3	0	0.7	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	37.2535	2.24	0.3	0	0.71	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	37.5016	2.25	0.31	0	0.73	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	37.7505	2.26	0.32	0	0.74	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	38.0036	2.27	0.32	0	0.75	0.01
100/3 Zero Discharge	100Y-3D	Node B-3	38.2518	2.29	0.33	0	0.76	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	38.5028	2.3	0.34	0	0.78	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	38.7514	2.31	0.34	0	0.79	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	39.0025	2.32	0.35	0	0.8	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	39.2523	2.34	0.36	0	0.82	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	39.5023	2.35	0.37	0	0.83	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	39.7534	2.36	0.37	0	0.84	0.02

100/3 Zero Discharge	100Y-3D	Node B-3	40.003	2.37	0.38	0	0.85	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	40.2514	2.38	0.39	0	0.87	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	40.5008	2.4	0.4	0	0.88	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	40.7502	2.41	0.4	0	0.89	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	41.0012	2.42	0.41	0	0.91	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	41.2514	2.43	0.42	0	0.92	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	41.5019	2.44	0.42	0	0.93	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	41.7524	2.45	0.43	0	0.94	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	42.0004	2.46	0.44	0	0.96	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	42.252	2.48	0.45	0	0.97	0.02
100/3 Zero Discharge	100Y-3D	Node B-3	42.5016	2.49	0.46	0	0.98	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	42.7502	2.5	0.46	0	1	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	43.0023	2.51	0.47	0	1.01	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	43.2504	2.52	0.48	0	1.02	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	43.5001	2.53	0.49	0	1.04	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	43.7502	2.54	0.49	0	1.05	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	44.0004	2.55	0.5	0	1.06	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	44.2505	2.56	0.51	0	1.08	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	44.5012	2.57	0.52	0	1.09	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	44.7513	2.58	0.53	0	1.1	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	45.0012	2.59	0.53	0	1.12	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	45.2512	2.6	0.54	0	1.13	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	45.5012	2.61	0.55	0	1.14	0.03
100/3 Zero Discharge	100Y-3D	Node B-3	45.7501	2.62	0.56	0	1.16	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	46.0013	2.63	0.57	0	1.17	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	46.2501	2.64	0.58	0	1.18	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	46.5002	2.65	0.58	0	1.2	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	46.7526	2.66	0.59	0	1.21	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	47.0091	2.67	0.6	0	1.22	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	47.2573	2.68	0.61	0	1.24	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	47.5032	2.69	0.62	0	1.25	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	47.752	2.7	0.63	0	1.26	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	48.0026	2.71	0.63	0	1.27	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	48.26	2.72	0.64	0	1.29	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	48.5029	2.73	0.65	0	1.3	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	48.7554	2.74	0.66	0	1.31	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	49.0048	2.75	0.67	0	1.33	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	49.256	2.76	0.68	0	1.34	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	49.5101	2.77	0.69	0	1.35	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	49.7543	2.78	0.7	0	1.37	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	50.0136	2.79	0.71	0	1.38	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	50.2556	2.8	0.72	0	1.4	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	50.5013	2.81	0.73	0	1.41	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	50.7506	2.82	0.74	0	1.43	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	51.0036	2.83	0.75	0	1.44	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	51.2549	2.84	0.76	0	1.46	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	51.5019	2.85	0.78	0	1.47	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	51.7582	2.86	0.79	0	1.49	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	52.0059	2.88	0.8	0	1.51	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	52.2541	2.89	0.82	0	1.52	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	52.5016	2.9	0.83	0	1.54	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	52.7502	2.91	0.85	0	1.56	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	53.0005	2.93	0.86	0	1.58	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	53.25	2.94	0.88	0	1.61	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	53.5004	2.96	0.9	0	1.63	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	53.7553	2.97	0.92	0	1.65	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	54.0041	2.99	0.94	0	1.68	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	54.2555	3	0.96	0	1.7	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	54.5035	3.02	0.98	0	1.73	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	54.7531	3.04	1.01	0	1.76	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	55.0064	3.06	1.04	0	1.79	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	55.2505	3.08	1.06	0	1.82	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	55.5044	3.1	1.09	0	1.86	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	55.7547	3.12	1.12	0	1.89	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	56.007	3.14	1.15	0	1.93	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	56.2504	3.16	1.18	0	1.97	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	56.5006	3.18	1.22	0	2.01	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	56.7508	3.21	1.25	0	2.06	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	57.0011	3.24	1.29	0	2.11	0.04
100/3 Zero Discharge	100Y-3D	Node B-3	57.2505	3.26	1.33	0	2.16	0.05
100/3 Zero Discharge	100Y-3D	Node B-3	57.5008	3.29	1.37	0	2.22	0.05
100/3 Zero Discharge	100Y-3D	Node B-3	57.7503	3.32	1.41	0	2.29	0.05

100/3 Zero Discharge	100Y-3D	Node B-3	58.0004	3.36	1.46	0	2.36	0.06
100/3 Zero Discharge	100Y-3D	Node B-3	58.25	3.39	1.51	0	2.43	0.07
100/3 Zero Discharge	100Y-3D	Node B-3	58.5011	3.43	1.56	0	2.52	0.07
100/3 Zero Discharge	100Y-3D	Node B-3	58.7501	3.46	1.62	0	2.6	0.08
100/3 Zero Discharge	100Y-3D	Node B-3	59.0001	3.5	1.68	0	2.7	0.09
100/3 Zero Discharge	100Y-3D	Node B-3	59.2502	3.55	1.75	0	2.81	0.1
100/3 Zero Discharge	100Y-3D	Node B-3	59.5004	3.6	1.84	0	2.95	0.11
100/3 Zero Discharge	100Y-3D	Node B-3	59.7514	3.68	1.98	0	3.15	0.12
100/3 Zero Discharge	100Y-3D	Node B-3	60.0003	3.85	2.35	0	3.59	0.16
100/3 Zero Discharge	100Y-3D	Node B-3	60.2503	4.08	2.87	0	4.27	0.24
100/3 Zero Discharge	100Y-3D	Node B-3	60.5005	4.31	3.32	0	5.04	0.38
100/3 Zero Discharge	100Y-3D	Node B-3	60.7501	4.5	3.67	0	5.69	0.5
100/3 Zero Discharge	100Y-3D	Node B-3	61.0004	4.64	3.94	0	6.22	0.6
100/3 Zero Discharge	100Y-3D	Node B-3	61.2507	4.72	4.16	0	6.52	0.63
100/3 Zero Discharge	100Y-3D	Node B-3	61.5013	4.79	4.34	0	6.76	0.66
100/3 Zero Discharge	100Y-3D	Node B-3	61.7509	4.84	4.49	0	6.94	0.67
100/3 Zero Discharge	100Y-3D	Node B-3	62.0005	4.88	4.6	0	7.1	0.68
100/3 Zero Discharge	100Y-3D	Node B-3	62.2504	4.92	4.69	0	7.23	0.69
100/3 Zero Discharge	100Y-3D	Node B-3	62.5002	4.95	4.76	0	7.33	0.69
100/3 Zero Discharge	100Y-3D	Node B-3	62.7517	4.98	4.82	0	7.43	0.69
100/3 Zero Discharge	100Y-3D	Node B-3	63.0006	5	4.87	0	7.51	0.7
100/3 Zero Discharge	100Y-3D	Node B-3	63.2509	5.03	4.92	0	7.59	0.7
100/3 Zero Discharge	100Y-3D	Node B-3	63.5005	5.04	4.97	0	7.66	0.71
100/3 Zero Discharge	100Y-3D	Node B-3	63.7501	5.06	5.01	0	7.73	0.71
100/3 Zero Discharge	100Y-3D	Node B-3	64.0008	5.08	5.05	0	7.79	0.72
100/3 Zero Discharge	100Y-3D	Node B-3	64.2514	5.09	5.1	0	7.85	0.73
100/3 Zero Discharge	100Y-3D	Node B-3	64.5038	5.11	5.13	0	7.9	0.73
100/3 Zero Discharge	100Y-3D	Node B-3	64.753	5.12	5.17	0	7.93	0.73
100/3 Zero Discharge	100Y-3D	Node B-3	65.0023	5.13	5.2	0	7.97	0.73
100/3 Zero Discharge	100Y-3D	Node B-3	65.252	5.13	5.23	0	8	0.74
100/3 Zero Discharge	100Y-3D	Node B-3	65.5004	5.14	5.25	0	8.03	0.74
100/3 Zero Discharge	100Y-3D	Node B-3	65.7528	5.15	5.28	0	8.06	0.74
100/3 Zero Discharge	100Y-3D	Node B-3	66.003	5.16	5.31	0	8.1	0.74
100/3 Zero Discharge	100Y-3D	Node B-3	66.2537	5.17	5.33	0	8.13	0.74
100/3 Zero Discharge	100Y-3D	Node B-3	66.5003	5.18	5.36	0	8.15	0.75
100/3 Zero Discharge	100Y-3D	Node B-3	66.7529	5.18	5.38	0	8.18	0.75
100/3 Zero Discharge	100Y-3D	Node B-3	67.0029	5.19	5.41	0	8.21	0.75
100/3 Zero Discharge	100Y-3D	Node B-3	67.2559	5.2	5.43	0	8.25	0.75
100/3 Zero Discharge	100Y-3D	Node B-3	67.5035	5.21	5.46	0	8.27	0.75
100/3 Zero Discharge	100Y-3D	Node B-3	67.751	5.22	5.49	0	8.3	0.76
100/3 Zero Discharge	100Y-3D	Node B-3	68.0018	5.22	5.51	0	8.33	0.76
100/3 Zero Discharge	100Y-3D	Node B-3	68.2515	5.23	5.54	0	8.36	0.76
100/3 Zero Discharge	100Y-3D	Node B-3	68.5005	5.24	5.56	0	8.39	0.76
100/3 Zero Discharge	100Y-3D	Node B-3	68.7557	5.24	5.58	0	8.41	0.76
100/3 Zero Discharge	100Y-3D	Node B-3	69.002	5.25	5.6	0	8.44	0.76
100/3 Zero Discharge	100Y-3D	Node B-3	69.2518	5.25	5.62	0	8.46	0.77
100/3 Zero Discharge	100Y-3D	Node B-3	69.5006	5.26	5.64	0	8.48	0.77
100/3 Zero Discharge	100Y-3D	Node B-3	69.7552	5.27	5.66	0	8.5	0.77
100/3 Zero Discharge	100Y-3D	Node B-3	70.008	5.27	5.67	0	8.52	0.77
100/3 Zero Discharge	100Y-3D	Node B-3	70.2532	5.28	5.69	0	8.54	0.77
100/3 Zero Discharge	100Y-3D	Node B-3	70.5034	5.28	5.71	0	8.56	0.77
100/3 Zero Discharge	100Y-3D	Node B-3	70.7537	5.29	5.72	0	8.58	0.77
100/3 Zero Discharge	100Y-3D	Node B-3	71.0012	5.29	5.74	0	8.6	0.77
100/3 Zero Discharge	100Y-3D	Node B-3	71.254	5.3	5.76	0	8.62	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	71.5	5.3	5.78	0	8.64	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	71.757	5.31	5.79	0	8.66	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	72.0016	5.31	5.81	0	8.68	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	72.2568	5.32	5.83	0	8.7	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	72.5063	5.32	5.84	0	8.71	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	72.7572	5.32	5.85	0	8.72	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	73.0061	5.32	5.85	0	8.72	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	73.2643	5.32	5.85	0	8.73	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	73.5104	5.33	5.85	0	8.73	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	73.7604	5.33	5.86	0	8.73	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	74.0104	5.33	5.86	0	8.73	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	74.2604	5.33	5.86	0	8.73	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	74.5104	5.33	5.86	0	8.73	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	74.7604	5.33	5.86	0	8.73	0.78
100/3 Zero Discharge	100Y-3D	Node B-3	75.0104	5.33	5.86	0	8.73	0.78
100/3 Zero Discharge	100Y-3D	Node B-4A	0.0003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4A	0.2513	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4A	0.5003	0.5	0	0	0	0

[illegible]

100/3 Zero Discharge	100Y-3D	Node B-4A	18.7586	2.01	0.01	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-4A	19.0073	2.01	0.01	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-4A	19.2521	2.01	0.01	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-4A	19.5008	2.01	0.01	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-4A	19.7502	2.01	0.01	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-4A	20.0064	2.01	0.01	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-4A	20.2515	2.01	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	20.5037	2.01	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	20.7523	2.01	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	21.0048	2.01	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	21.2531	2.01	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	21.5092	2.01	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	21.7588	2.01	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	22.0118	2.01	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	22.2535	2.01	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	22.5027	2.01	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	22.7556	2.01	0.02	0	0.02	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	23.0044	2.01	0.02	0	0.02	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	23.2558	2.01	0.02	0	0.02	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	23.5027	2.01	0.02	0	0.02	0.01
100/3 Zero Discharge	100Y-3D	Node B-4A	23.7581	2.01	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4A	24.0064	2.01	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4A	24.2504	2.01	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4A	24.5033	2.01	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4A	24.7563	2.01	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4A	25.0013	2.01	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4A	25.2546	2.02	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4A	25.5062	2.02	0.03	0	0.03	0.02
100/3 Zero Discharge	100Y-3D	Node B-4A	25.7514	2.02	0.03	0	0.03	0.02
100/3 Zero Discharge	100Y-3D	Node B-4A	26.001	2.02	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4A	26.2518	2.02	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4A	26.5053	2.02	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4A	26.7506	2.02	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4A	27.0041	2.02	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4A	27.2501	2.02	0.04	0	0.04	0.03
100/3 Zero Discharge	100Y-3D	Node B-4A	27.5067	2.02	0.04	0	0.04	0.03
100/3 Zero Discharge	100Y-3D	Node B-4A	27.752	2.02	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-4A	28.0058	2.02	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-4A	28.2523	2.02	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-4A	28.5034	2.02	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-4A	28.7507	2.02	0.05	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-4A	29.0078	2.02	0.05	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-4A	29.2564	2.02	0.05	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node B-4A	29.5013	2.02	0.05	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node B-4A	29.7503	2.02	0.05	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node B-4A	30.0082	2.02	0.06	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node B-4A	30.26	2.02	0.06	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node B-4A	30.5004	2.02	0.06	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node B-4A	30.7574	2.02	0.06	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node B-4A	31.0072	2.02	0.06	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node B-4A	31.2508	2.02	0.07	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node B-4A	31.5026	2.02	0.07	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node B-4A	31.7577	2.02	0.07	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node B-4A	32.0088	2.02	0.07	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node B-4A	32.2535	2.02	0.07	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node B-4A	32.5065	2.02	0.08	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node B-4A	32.7535	2.02	0.08	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node B-4A	33.0022	2.02	0.08	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node B-4A	33.2576	2.02	0.08	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node B-4A	33.5052	2.03	0.08	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node B-4A	33.7541	2.04	0.09	0	0.09	0.08
100/3 Zero Discharge	100Y-3D	Node B-4A	34.0049	2.05	0.09	0	0.09	0.08
100/3 Zero Discharge	100Y-3D	Node B-4A	34.2533	2.07	0.09	0	0.09	0.09
100/3 Zero Discharge	100Y-3D	Node B-4A	34.5034	2.09	0.09	0	0.09	0.09
100/3 Zero Discharge	100Y-3D	Node B-4A	34.7515	2.1	0.1	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node B-4A	35.0017	2.11	0.1	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node B-4A	35.2549	2.13	0.1	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node B-4A	35.5011	2.14	0.1	0	0.1	0.1
100/3 Zero Discharge	100Y-3D	Node B-4A	35.752	2.16	0.1	0	0.1	0.1
100/3 Zero Discharge	100Y-3D	Node B-4A	36.0014	2.17	0.11	0	0.11	0.1
100/3 Zero Discharge	100Y-3D	Node B-4A	36.2543	2.19	0.11	0	0.11	0.1
100/3 Zero Discharge	100Y-3D	Node B-4A	36.5013	2.2	0.11	0	0.11	0.1

100/3 Zero Discharge	100Y-3D	Node B-4A	36.7538	2.21	0.11	0	0.11	0.11
100/3 Zero Discharge	100Y-3D	Node B-4A	37.0007	2.23	0.12	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node B-4A	37.2535	2.24	0.12	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node B-4A	37.5016	2.25	0.12	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node B-4A	37.7505	2.27	0.12	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node B-4A	38.0036	2.28	0.13	0	0.13	0.11
100/3 Zero Discharge	100Y-3D	Node B-4A	38.2518	2.29	0.13	0	0.13	0.12
100/3 Zero Discharge	100Y-3D	Node B-4A	38.5028	2.3	0.13	0	0.13	0.12
100/3 Zero Discharge	100Y-3D	Node B-4A	38.7514	2.32	0.13	0	0.13	0.12
100/3 Zero Discharge	100Y-3D	Node B-4A	39.0025	2.33	0.14	0	0.14	0.12
100/3 Zero Discharge	100Y-3D	Node B-4A	39.2523	2.34	0.14	0	0.14	0.12
100/3 Zero Discharge	100Y-3D	Node B-4A	39.5023	2.35	0.14	0	0.14	0.12
100/3 Zero Discharge	100Y-3D	Node B-4A	39.7534	2.36	0.15	0	0.15	0.13
100/3 Zero Discharge	100Y-3D	Node B-4A	40.003	2.38	0.15	0	0.15	0.13
100/3 Zero Discharge	100Y-3D	Node B-4A	40.2514	2.39	0.15	0	0.15	0.13
100/3 Zero Discharge	100Y-3D	Node B-4A	40.5008	2.4	0.15	0	0.15	0.13
100/3 Zero Discharge	100Y-3D	Node B-4A	40.7502	2.41	0.16	0	0.16	0.13
100/3 Zero Discharge	100Y-3D	Node B-4A	41.0012	2.42	0.16	0	0.16	0.13
100/3 Zero Discharge	100Y-3D	Node B-4A	41.2514	2.43	0.16	0	0.16	0.14
100/3 Zero Discharge	100Y-3D	Node B-4A	41.5019	2.45	0.16	0	0.16	0.14
100/3 Zero Discharge	100Y-3D	Node B-4A	41.7524	2.46	0.17	0	0.17	0.14
100/3 Zero Discharge	100Y-3D	Node B-4A	42.0004	2.47	0.17	0	0.17	0.14
100/3 Zero Discharge	100Y-3D	Node B-4A	42.252	2.48	0.17	0	0.17	0.14
100/3 Zero Discharge	100Y-3D	Node B-4A	42.5016	2.49	0.18	0	0.18	0.14
100/3 Zero Discharge	100Y-3D	Node B-4A	42.7502	2.5	0.18	0	0.18	0.15
100/3 Zero Discharge	100Y-3D	Node B-4A	43.0023	2.51	0.18	0	0.18	0.15
100/3 Zero Discharge	100Y-3D	Node B-4A	43.2504	2.52	0.18	0	0.18	0.15
100/3 Zero Discharge	100Y-3D	Node B-4A	43.5001	2.53	0.19	0	0.19	0.15
100/3 Zero Discharge	100Y-3D	Node B-4A	43.7502	2.54	0.19	0	0.19	0.15
100/3 Zero Discharge	100Y-3D	Node B-4A	44.0004	2.56	0.19	0	0.19	0.15
100/3 Zero Discharge	100Y-3D	Node B-4A	44.2505	2.57	0.2	0	0.2	0.15
100/3 Zero Discharge	100Y-3D	Node B-4A	44.5012	2.58	0.2	0	0.2	0.16
100/3 Zero Discharge	100Y-3D	Node B-4A	44.7513	2.59	0.2	0	0.2	0.16
100/3 Zero Discharge	100Y-3D	Node B-4A	45.0012	2.6	0.2	0	0.2	0.16
100/3 Zero Discharge	100Y-3D	Node B-4A	45.2512	2.61	0.21	0	0.21	0.16
100/3 Zero Discharge	100Y-3D	Node B-4A	45.5012	2.62	0.21	0	0.21	0.16
100/3 Zero Discharge	100Y-3D	Node B-4A	45.7501	2.63	0.21	0	0.21	0.16
100/3 Zero Discharge	100Y-3D	Node B-4A	46.0013	2.64	0.22	0	0.22	0.17
100/3 Zero Discharge	100Y-3D	Node B-4A	46.2501	2.65	0.22	0	0.22	0.17
100/3 Zero Discharge	100Y-3D	Node B-4A	46.5002	2.66	0.22	0	0.22	0.17
100/3 Zero Discharge	100Y-3D	Node B-4A	46.7526	2.66	0.23	0	0.23	0.17
100/3 Zero Discharge	100Y-3D	Node B-4A	47.0091	2.67	0.23	0	0.23	0.17
100/3 Zero Discharge	100Y-3D	Node B-4A	47.2573	2.68	0.23	0	0.23	0.17
100/3 Zero Discharge	100Y-3D	Node B-4A	47.5032	2.69	0.23	0	0.23	0.17
100/3 Zero Discharge	100Y-3D	Node B-4A	47.752	2.7	0.24	0	0.24	0.17
100/3 Zero Discharge	100Y-3D	Node B-4A	48.0026	2.71	0.24	0	0.24	0.18
100/3 Zero Discharge	100Y-3D	Node B-4A	48.26	2.72	0.24	0	0.24	0.18
100/3 Zero Discharge	100Y-3D	Node B-4A	48.5029	2.73	0.25	0	0.25	0.18
100/3 Zero Discharge	100Y-3D	Node B-4A	48.7554	2.74	0.25	0	0.25	0.18
100/3 Zero Discharge	100Y-3D	Node B-4A	49.0048	2.75	0.25	0	0.25	0.18
100/3 Zero Discharge	100Y-3D	Node B-4A	49.256	2.76	0.26	0	0.26	0.18
100/3 Zero Discharge	100Y-3D	Node B-4A	49.5101	2.77	0.26	0	0.26	0.18
100/3 Zero Discharge	100Y-3D	Node B-4A	49.7543	2.78	0.26	0	0.26	0.18
100/3 Zero Discharge	100Y-3D	Node B-4A	50.0136	2.79	0.27	0	0.27	0.19
100/3 Zero Discharge	100Y-3D	Node B-4A	50.2556	2.8	0.27	0	0.27	0.19
100/3 Zero Discharge	100Y-3D	Node B-4A	50.5013	2.81	0.28	0	0.28	0.19
100/3 Zero Discharge	100Y-3D	Node B-4A	50.7506	2.82	0.28	0	0.28	0.19
100/3 Zero Discharge	100Y-3D	Node B-4A	51.0036	2.83	0.28	0	0.28	0.19
100/3 Zero Discharge	100Y-3D	Node B-4A	51.2549	2.84	0.29	0	0.29	0.19
100/3 Zero Discharge	100Y-3D	Node B-4A	51.5019	2.85	0.29	0	0.29	0.19
100/3 Zero Discharge	100Y-3D	Node B-4A	51.7582	2.87	0.3	0	0.3	0.2
100/3 Zero Discharge	100Y-3D	Node B-4A	52.0059	2.88	0.3	0	0.3	0.2
100/3 Zero Discharge	100Y-3D	Node B-4A	52.2541	2.89	0.3	0	0.3	0.2
100/3 Zero Discharge	100Y-3D	Node B-4A	52.5016	2.9	0.31	0	0.31	0.2
100/3 Zero Discharge	100Y-3D	Node B-4A	52.7502	2.91	0.31	0	0.31	0.2
100/3 Zero Discharge	100Y-3D	Node B-4A	53.0005	2.93	0.32	0	0.32	0.2
100/3 Zero Discharge	100Y-3D	Node B-4A	53.25	2.94	0.33	0	0.33	0.21
100/3 Zero Discharge	100Y-3D	Node B-4A	53.5004	2.96	0.33	0	0.33	0.21
100/3 Zero Discharge	100Y-3D	Node B-4A	53.7553	2.97	0.34	0	0.34	0.21
100/3 Zero Discharge	100Y-3D	Node B-4A	54.0041	2.99	0.35	0	0.35	0.21
100/3 Zero Discharge	100Y-3D	Node B-4A	54.2555	3.01	0.35	0	0.35	0.21
100/3 Zero Discharge	100Y-3D	Node B-4A	54.5035	3.02	0.36	0	0.36	0.22

100/3 Zero Discharge	100Y-3D	Node B-4A	54.7531	3.04	0.37	0	0.37	0.22
100/3 Zero Discharge	100Y-3D	Node B-4A	55.0064	3.06	0.38	0	0.38	0.22
100/3 Zero Discharge	100Y-3D	Node B-4A	55.2505	3.08	0.39	0	0.39	0.22
100/3 Zero Discharge	100Y-3D	Node B-4A	55.5044	3.1	0.4	0	0.4	0.23
100/3 Zero Discharge	100Y-3D	Node B-4A	55.7547	3.12	0.41	0	0.41	0.23
100/3 Zero Discharge	100Y-3D	Node B-4A	56.007	3.14	0.42	0	0.42	0.23
100/3 Zero Discharge	100Y-3D	Node B-4A	56.2504	3.16	0.43	0	0.43	0.24
100/3 Zero Discharge	100Y-3D	Node B-4A	56.5006	3.18	0.44	0	0.44	0.24
100/3 Zero Discharge	100Y-3D	Node B-4A	56.7508	3.21	0.45	0	0.45	0.24
100/3 Zero Discharge	100Y-3D	Node B-4A	57.0011	3.23	0.46	0	0.46	0.25
100/3 Zero Discharge	100Y-3D	Node B-4A	57.2505	3.26	0.48	0	0.48	0.25
100/3 Zero Discharge	100Y-3D	Node B-4A	57.5008	3.29	0.49	0	0.49	0.25
100/3 Zero Discharge	100Y-3D	Node B-4A	57.7503	3.32	0.5	0	0.51	0.26
100/3 Zero Discharge	100Y-3D	Node B-4A	58.0004	3.35	0.52	0	0.53	0.26
100/3 Zero Discharge	100Y-3D	Node B-4A	58.25	3.39	0.54	0	0.55	0.27
100/3 Zero Discharge	100Y-3D	Node B-4A	58.5011	3.42	0.55	0	0.57	0.27
100/3 Zero Discharge	100Y-3D	Node B-4A	58.7501	3.46	0.57	0	0.6	0.28
100/3 Zero Discharge	100Y-3D	Node B-4A	59.0001	3.5	0.59	0	0.62	0.29
100/3 Zero Discharge	100Y-3D	Node B-4A	59.2502	3.55	0.61	0	0.66	0.3
100/3 Zero Discharge	100Y-3D	Node B-4A	59.5004	3.6	0.64	0	0.69	0.31
100/3 Zero Discharge	100Y-3D	Node B-4A	59.7514	3.68	0.67	0	0.74	0.31
100/3 Zero Discharge	100Y-3D	Node B-4A	60.0003	3.85	0.75	0	0.85	0.32
100/3 Zero Discharge	100Y-3D	Node B-4A	60.2503	4.08	0.87	0	1.06	0.38
100/3 Zero Discharge	100Y-3D	Node B-4A	60.5005	4.31	1.02	0	1.33	0.48
100/3 Zero Discharge	100Y-3D	Node B-4A	60.7501	4.49	1.14	0	1.57	0.57
100/3 Zero Discharge	100Y-3D	Node B-4A	61.0004	4.63	1.24	0	1.77	0.64
100/3 Zero Discharge	100Y-3D	Node B-4A	61.2507	4.72	1.33	0	1.89	0.68
100/3 Zero Discharge	100Y-3D	Node B-4A	61.5013	4.79	1.4	0	1.99	0.72
100/3 Zero Discharge	100Y-3D	Node B-4A	61.7509	4.84	1.47	0	2.07	0.74
100/3 Zero Discharge	100Y-3D	Node B-4A	62.0005	4.88	1.52	0	2.13	0.76
100/3 Zero Discharge	100Y-3D	Node B-4A	62.2504	4.92	1.57	0	2.19	0.78
100/3 Zero Discharge	100Y-3D	Node B-4A	62.5002	4.95	1.62	0	2.23	0.79
100/3 Zero Discharge	100Y-3D	Node B-4A	62.7517	4.98	1.65	0	2.27	0.81
100/3 Zero Discharge	100Y-3D	Node B-4A	63.0006	5	1.68	0	2.31	0.82
100/3 Zero Discharge	100Y-3D	Node B-4A	63.2509	5.02	1.71	0	2.34	0.83
100/3 Zero Discharge	100Y-3D	Node B-4A	63.5005	5.04	1.73	0	2.37	0.83
100/3 Zero Discharge	100Y-3D	Node B-4A	63.7501	5.06	1.75	0	2.39	0.84
100/3 Zero Discharge	100Y-3D	Node B-4A	64.0008	5.08	1.77	0	2.42	0.85
100/3 Zero Discharge	100Y-3D	Node B-4A	64.2514	5.09	1.79	0	2.44	0.85
100/3 Zero Discharge	100Y-3D	Node B-4A	64.5038	5.11	1.8	0	2.46	0.86
100/3 Zero Discharge	100Y-3D	Node B-4A	64.753	5.12	1.82	0	2.47	0.86
100/3 Zero Discharge	100Y-3D	Node B-4A	65.0023	5.13	1.83	0	2.49	0.86
100/3 Zero Discharge	100Y-3D	Node B-4A	65.252	5.13	1.84	0	2.5	0.87
100/3 Zero Discharge	100Y-3D	Node B-4A	65.5004	5.14	1.85	0	2.51	0.87
100/3 Zero Discharge	100Y-3D	Node B-4A	65.7528	5.15	1.86	0	2.52	0.87
100/3 Zero Discharge	100Y-3D	Node B-4A	66.003	5.16	1.87	0	2.54	0.88
100/3 Zero Discharge	100Y-3D	Node B-4A	66.2537	5.17	1.88	0	2.55	0.88
100/3 Zero Discharge	100Y-3D	Node B-4A	66.5003	5.18	1.89	0	2.56	0.88
100/3 Zero Discharge	100Y-3D	Node B-4A	66.7529	5.18	1.9	0	2.57	0.88
100/3 Zero Discharge	100Y-3D	Node B-4A	67.0029	5.19	1.91	0	2.58	0.88
100/3 Zero Discharge	100Y-3D	Node B-4A	67.2559	5.2	1.92	0	2.59	0.89
100/3 Zero Discharge	100Y-3D	Node B-4A	67.5035	5.21	1.93	0	2.6	0.89
100/3 Zero Discharge	100Y-3D	Node B-4A	67.751	5.21	1.93	0	2.61	0.89
100/3 Zero Discharge	100Y-3D	Node B-4A	68.0018	5.22	1.94	0	2.62	0.89
100/3 Zero Discharge	100Y-3D	Node B-4A	68.2515	5.23	1.95	0	2.64	0.9
100/3 Zero Discharge	100Y-3D	Node B-4A	68.5005	5.24	1.96	0	2.65	0.9
100/3 Zero Discharge	100Y-3D	Node B-4A	68.7557	5.24	1.97	0	2.66	0.9
100/3 Zero Discharge	100Y-3D	Node B-4A	69.002	5.25	1.98	0	2.66	0.9
100/3 Zero Discharge	100Y-3D	Node B-4A	69.2518	5.25	1.98	0	2.67	0.9
100/3 Zero Discharge	100Y-3D	Node B-4A	69.5006	5.26	1.99	0	2.68	0.91
100/3 Zero Discharge	100Y-3D	Node B-4A	69.7552	5.27	2	0	2.69	0.91
100/3 Zero Discharge	100Y-3D	Node B-4A	70.008	5.27	2	0	2.7	0.91
100/3 Zero Discharge	100Y-3D	Node B-4A	70.2532	5.28	2.01	0	2.7	0.91
100/3 Zero Discharge	100Y-3D	Node B-4A	70.5034	5.28	2.01	0	2.71	0.91
100/3 Zero Discharge	100Y-3D	Node B-4A	70.7537	5.29	2.02	0	2.72	0.91
100/3 Zero Discharge	100Y-3D	Node B-4A	71.0012	5.29	2.03	0	2.72	0.92
100/3 Zero Discharge	100Y-3D	Node B-4A	71.254	5.3	2.03	0	2.73	0.92
100/3 Zero Discharge	100Y-3D	Node B-4A	71.5	5.3	2.04	0	2.74	0.92
100/3 Zero Discharge	100Y-3D	Node B-4A	71.757	5.31	2.05	0	2.75	0.92
100/3 Zero Discharge	100Y-3D	Node B-4A	72.0016	5.31	2.05	0	2.75	0.92
100/3 Zero Discharge	100Y-3D	Node B-4A	72.2568	5.32	2.06	0	2.76	0.92
100/3 Zero Discharge	100Y-3D	Node B-4A	72.5063	5.32	2.06	0	2.77	0.93

100/3 Zero Discharge	100Y-3D	Node B-4A	72.7572	5.32	2.07	0	2.77	0.93
100/3 Zero Discharge	100Y-3D	Node B-4A	73.0061	5.32	2.07	0	2.77	0.93
100/3 Zero Discharge	100Y-3D	Node B-4A	73.2643	5.32	2.07	0	2.78	0.93
100/3 Zero Discharge	100Y-3D	Node B-4A	73.5104	5.33	2.07	0	2.78	0.93
100/3 Zero Discharge	100Y-3D	Node B-4A	73.7604	5.33	2.07	0	2.78	0.93
100/3 Zero Discharge	100Y-3D	Node B-4A	74.0104	5.33	2.07	0	2.78	0.93
100/3 Zero Discharge	100Y-3D	Node B-4A	74.2604	5.33	2.08	0	2.78	0.93
100/3 Zero Discharge	100Y-3D	Node B-4A	74.5104	5.33	2.08	0	2.78	0.93
100/3 Zero Discharge	100Y-3D	Node B-4A	74.7604	5.33	2.08	0	2.78	0.93
100/3 Zero Discharge	100Y-3D	Node B-4A	75.0104	5.33	2.08	0	2.78	0.93
100/3 Zero Discharge	100Y-3D	Node B-4B	0.0003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	0.2513	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	0.5003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	0.7578	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	1.0011	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	1.2576	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	1.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	1.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	2.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	2.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	2.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	2.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	3.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	3.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	3.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	3.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	4.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	4.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	4.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	4.7657	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	5.0157	0.52	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	5.2657	0.53	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	5.5157	0.54	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	5.7657	0.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	6.0157	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	6.2657	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	6.5157	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	6.7657	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	7.0157	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	7.2657	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	7.5157	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	7.7657	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	8.0157	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	8.2657	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	8.5157	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	8.7657	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	9.0157	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	9.2657	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	9.5157	0.62	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	9.7657	0.62	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	10.0157	0.62	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	10.2657	0.62	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	10.5157	0.62	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node B-4B	10.7657	0.63	0.01	0	0.01	0
100/3 Zero Discharge	100Y-3D	Node B-4B	11.0157	0.63	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	11.2657	0.63	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	11.5157	0.63	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	11.7657	0.63	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	12.0157	0.64	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	12.2657	0.64	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	12.5157	0.64	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	12.7657	0.64	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	13.0157	0.64	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	13.2657	0.64	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	13.5157	0.64	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	13.752	0.65	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	14.0025	0.65	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	14.2553	0.65	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	14.5002	0.65	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	14.7516	0.65	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	15.0003	0.65	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	15.2509	0.66	0.01	0	0.01	0.01

100/3 Zero Discharge	100Y-3D	Node B-4B	15.5007	0.66	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	15.7501	0.66	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	16.0021	0.66	0.01	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	16.2507	0.66	0.02	0	0.02	0.01
100/3 Zero Discharge	100Y-3D	Node B-4B	16.5011	0.67	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	16.7513	0.67	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	17.0011	0.67	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	17.2509	0.67	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	17.5001	0.68	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	17.7515	0.68	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	18.0039	0.69	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	18.2578	0.7	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	18.503	0.71	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	18.7586	0.72	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	19.0073	0.74	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	19.2521	0.76	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	19.5008	0.77	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	19.7502	0.77	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	20.0064	0.79	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	20.2515	0.81	0.02	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	20.5037	0.83	0.03	0	0.03	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	20.7523	0.83	0.03	0	0.03	0.02
100/3 Zero Discharge	100Y-3D	Node B-4B	21.0048	0.85	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	21.2531	0.87	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	21.5092	0.89	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	21.7588	0.91	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	22.0118	0.93	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	22.2535	0.95	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	22.5027	0.97	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	22.7556	0.99	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	23.0044	1.01	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	23.2558	1.03	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	23.5027	1.05	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	23.7581	1.07	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	24.0064	1.1	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	24.2504	1.13	0.03	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	24.5033	1.16	0.04	0	0.04	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	24.7563	1.2	0.04	0	0.04	0.03
100/3 Zero Discharge	100Y-3D	Node B-4B	25.0013	1.23	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	25.2546	1.26	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	25.5062	1.29	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	25.7514	1.32	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	26.001	1.35	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	26.2518	1.38	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	26.5053	1.41	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	26.7506	1.43	0.04	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	27.0041	1.45	0.05	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	27.2501	1.47	0.05	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	27.5067	1.49	0.05	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	27.752	1.51	0.05	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	28.0058	1.54	0.05	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	28.2523	1.56	0.05	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	28.5034	1.59	0.05	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	28.7507	1.62	0.05	0	0.06	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	29.0078	1.64	0.05	0	0.06	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	29.2564	1.67	0.05	0	0.06	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	29.5013	1.69	0.06	0	0.06	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	29.7503	1.72	0.06	0	0.06	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	30.0082	1.74	0.06	0	0.06	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	30.26	1.76	0.06	0	0.06	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	30.5004	1.78	0.06	0	0.07	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	30.7574	1.81	0.06	0	0.07	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	31.0072	1.83	0.06	0	0.07	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	31.2508	1.85	0.06	0	0.07	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	31.5026	1.87	0.06	0	0.07	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	31.7577	1.89	0.07	0	0.07	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	32.0088	1.91	0.07	0	0.07	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	32.2535	1.92	0.07	0	0.08	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	32.5065	1.94	0.07	0	0.08	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	32.7535	1.96	0.07	0	0.08	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	33.0022	1.98	0.07	0	0.08	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	33.2576	2	0.07	0	0.08	0.04

100/3 Zero Discharge	100Y-3D	Node B-4B	33.5052	2.01	0.07	0	0.08	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	33.7541	2.03	0.07	0	0.08	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	34.0049	2.04	0.08	0	0.08	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	34.2533	2.06	0.08	0	0.09	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	34.5034	2.08	0.08	0	0.09	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	34.7515	2.09	0.08	0	0.09	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	35.0017	2.11	0.08	0	0.09	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	35.2549	2.12	0.08	0	0.09	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	35.5011	2.13	0.08	0	0.09	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	35.752	2.15	0.08	0	0.09	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	36.0014	2.16	0.08	0	0.09	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	36.2543	2.18	0.09	0	0.1	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	36.5013	2.19	0.09	0	0.1	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	36.7538	2.2	0.09	0	0.1	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	37.0007	2.22	0.09	0	0.1	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	37.2535	2.23	0.09	0	0.1	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	37.5016	2.24	0.09	0	0.1	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	37.7505	2.25	0.09	0	0.11	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	38.0036	2.27	0.09	0	0.11	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	38.2518	2.28	0.09	0	0.11	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	38.5028	2.29	0.1	0	0.11	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	38.7514	2.3	0.1	0	0.11	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	39.0025	2.32	0.1	0	0.11	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	39.2523	2.33	0.1	0	0.11	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	39.5023	2.34	0.1	0	0.12	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	39.7534	2.36	0.1	0	0.12	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	40.003	2.37	0.1	0	0.12	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	40.2514	2.38	0.1	0	0.12	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	40.5008	2.39	0.11	0	0.12	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	40.7502	2.4	0.11	0	0.13	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	41.0012	2.42	0.11	0	0.13	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	41.2514	2.43	0.11	0	0.13	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	41.5019	2.44	0.11	0	0.13	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	41.7524	2.45	0.11	0	0.13	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	42.0004	2.46	0.11	0	0.13	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	42.252	2.47	0.11	0	0.14	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	42.5016	2.48	0.12	0	0.14	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	42.7502	2.49	0.12	0	0.14	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	43.0023	2.51	0.12	0	0.14	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	43.2504	2.52	0.12	0	0.14	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	43.5001	2.53	0.12	0	0.15	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	43.7502	2.54	0.12	0	0.15	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	44.0004	2.55	0.12	0	0.15	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	44.2505	2.56	0.12	0	0.15	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	44.5012	2.57	0.12	0	0.15	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	44.7513	2.58	0.13	0	0.16	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	45.0012	2.59	0.13	0	0.16	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	45.2512	2.6	0.13	0	0.16	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	45.5012	2.61	0.13	0	0.16	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	45.7501	2.62	0.13	0	0.16	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	46.0013	2.63	0.13	0	0.17	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	46.2501	2.64	0.13	0	0.17	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	46.5002	2.65	0.13	0	0.17	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	46.7526	2.66	0.14	0	0.17	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	47.0091	2.67	0.14	0	0.17	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	47.2573	2.68	0.14	0	0.18	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	47.5032	2.69	0.14	0	0.18	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	47.752	2.7	0.14	0	0.18	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	48.0026	2.71	0.14	0	0.18	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	48.26	2.72	0.14	0	0.18	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	48.5029	2.73	0.14	0	0.19	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	48.7554	2.74	0.15	0	0.19	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	49.0048	2.75	0.15	0	0.19	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	49.256	2.76	0.15	0	0.19	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	49.5101	2.77	0.15	0	0.2	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	49.7543	2.78	0.15	0	0.2	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	50.0136	2.79	0.15	0	0.2	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	50.2556	2.8	0.15	0	0.2	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	50.5013	2.81	0.16	0	0.21	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	50.7506	2.82	0.16	0	0.21	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	51.0036	2.83	0.16	0	0.21	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	51.2549	2.84	0.16	0	0.21	0.04

100/3 Zero Discharge	100Y-3D	Node B-4B	51.5019	2.85	0.16	0	0.22	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	51.7582	2.86	0.16	0	0.22	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	52.0059	2.88	0.17	0	0.22	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	52.2541	2.89	0.17	0	0.23	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	52.5016	2.9	0.17	0	0.23	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	52.7502	2.91	0.17	0	0.23	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	53.0005	2.93	0.17	0	0.24	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	53.25	2.94	0.18	0	0.24	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	53.5004	2.96	0.18	0	0.25	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	53.7553	2.97	0.18	0	0.25	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	54.0041	2.99	0.19	0	0.26	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	54.2555	3	0.19	0	0.26	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	54.5035	3.02	0.19	0	0.27	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	54.7531	3.04	0.2	0	0.27	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	55.0064	3.06	0.2	0	0.28	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	55.2505	3.08	0.2	0	0.28	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	55.5044	3.1	0.21	0	0.29	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	55.7547	3.12	0.21	0	0.3	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	56.007	3.14	0.21	0	0.3	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	56.2504	3.16	0.22	0	0.31	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	56.5006	3.18	0.22	0	0.32	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	56.7508	3.21	0.23	0	0.33	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	57.0011	3.23	0.23	0	0.34	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	57.2505	3.26	0.24	0	0.35	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	57.5008	3.29	0.24	0	0.36	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	57.7503	3.32	0.25	0	0.37	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	58.0004	3.35	0.26	0	0.38	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	58.25	3.39	0.26	0	0.4	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	58.5011	3.42	0.27	0	0.41	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	58.7501	3.46	0.28	0	0.43	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	59.0001	3.5	0.28	0	0.45	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	59.2502	3.55	0.3	0	0.47	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	59.5004	3.6	0.31	0	0.49	0.04
100/3 Zero Discharge	100Y-3D	Node B-4B	59.7514	3.68	0.35	0	0.53	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	60.0003	3.85	0.42	0	0.62	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	60.2503	4.08	0.49	0	0.74	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	60.5005	4.31	0.53	0	0.89	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	60.7501	4.49	0.56	0	1.01	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	61.0004	4.63	0.57	0	1.1	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	61.2507	4.72	0.58	0	1.15	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	61.5013	4.78	0.59	0	1.19	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	61.7509	4.84	0.6	0	1.23	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	62.0005	4.88	0.61	0	1.26	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	62.2504	4.92	0.61	0	1.28	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	62.5002	4.95	0.62	0	1.3	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	62.7517	4.98	0.62	0	1.32	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	63.0006	5	0.63	0	1.33	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	63.2509	5.02	0.63	0	1.35	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	63.5005	5.04	0.64	0	1.36	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	63.7501	5.06	0.64	0	1.37	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	64.0008	5.08	0.65	0	1.38	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	64.2514	5.09	0.65	0	1.39	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	64.5038	5.1	0.65	0	1.4	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	64.753	5.12	0.65	0	1.4	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	65.0023	5.12	0.66	0	1.41	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	65.252	5.13	0.66	0	1.42	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	65.5004	5.14	0.66	0	1.42	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	65.7528	5.15	0.67	0	1.43	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	66.003	5.16	0.67	0	1.43	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	66.2537	5.17	0.67	0	1.44	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	66.5003	5.17	0.67	0	1.44	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	66.7529	5.18	0.68	0	1.45	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	67.0029	5.19	0.68	0	1.45	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	67.2559	5.2	0.68	0	1.46	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	67.5035	5.21	0.68	0	1.46	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	67.751	5.21	0.69	0	1.47	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	68.0018	5.22	0.69	0	1.47	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	68.2515	5.23	0.69	0	1.48	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	68.5005	5.24	0.69	0	1.48	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	68.7557	5.24	0.7	0	1.49	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	69.002	5.25	0.7	0	1.49	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	69.2518	5.25	0.7	0	1.49	0.05

100/3 Zero Discharge	100Y-3D	Node B-4B	69.5006	5.26	0.7	0	1.5	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	69.7552	5.26	0.7	0	1.5	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	70.008	5.27	0.7	0	1.5	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	70.2532	5.28	0.71	0	1.51	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	70.5034	5.28	0.71	0	1.51	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	70.7537	5.29	0.71	0	1.51	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	71.0012	5.29	0.71	0	1.52	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	71.254	5.3	0.71	0	1.52	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	71.5	5.3	0.71	0	1.52	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	71.757	5.31	0.72	0	1.53	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	72.0016	5.31	0.72	0	1.53	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	72.2568	5.32	0.72	0	1.53	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	72.5063	5.32	0.72	0	1.54	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	72.7572	5.32	0.72	0	1.54	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	73.0061	5.32	0.72	0	1.54	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	73.2643	5.32	0.72	0	1.54	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	73.5104	5.33	0.72	0	1.54	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	73.7604	5.33	0.72	0	1.54	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	74.0104	5.33	0.72	0	1.54	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	74.2604	5.33	0.72	0	1.54	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	74.5104	5.33	0.72	0	1.54	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	74.7604	5.33	0.72	0	1.54	0.05
100/3 Zero Discharge	100Y-3D	Node B-4B	75.0104	5.33	0.72	0	1.54	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	0.0003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	0.2513	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	0.5003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	0.7578	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	1.0011	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	1.2576	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	1.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	1.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	2.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	2.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	2.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	2.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	3.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	3.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	3.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	3.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	4.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	4.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	4.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	4.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	5.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	5.2657	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	5.5157	0.52	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	5.7657	0.54	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	6.0157	0.54	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	6.2657	0.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	6.5157	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	6.7657	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	7.0157	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	7.2657	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	7.5157	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	7.7657	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	8.0157	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	8.2657	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	8.5157	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	8.7657	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	9.0157	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	9.2657	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	9.5157	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	9.7657	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	10.0157	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	10.2657	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	10.5157	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	10.7657	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	11.0157	0.6	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	11.2657	0.6	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	11.5157	0.6	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	11.7657	0.6	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	12.0157	0.6	0	0	0.01	0.01

100/3 Zero Discharge	100Y-3D	Node Dummy MH2	12.2657	0.61	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	12.5157	0.61	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	12.7657	0.61	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	13.0157	0.61	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	13.2657	0.61	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	13.5157	0.61	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	13.752	0.61	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	14.0025	0.61	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	14.2553	0.62	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	14.5002	0.62	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	14.7516	0.62	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	15.0003	0.62	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	15.2509	0.62	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	15.5007	0.62	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	15.7501	0.63	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	16.0021	0.63	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	16.2507	0.63	0	0	0.01	0.01
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	16.5011	0.63	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	16.7513	0.64	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	17.0011	0.64	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	17.2509	0.65	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	17.5001	0.65	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	17.7515	0.66	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	18.0039	0.67	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	18.2578	0.68	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	18.503	0.69	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	18.7586	0.7	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	19.0073	0.71	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	19.2521	0.73	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	19.5008	0.74	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	19.7502	0.76	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	20.0064	0.77	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	20.2515	0.79	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	20.5037	0.81	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	20.7523	0.82	0	0	0.02	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	21.0048	0.84	0	0	0.03	0.02
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	21.2531	0.86	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	21.5092	0.87	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	21.7588	0.89	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	22.0118	0.91	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	22.2535	0.93	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	22.5027	0.95	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	22.7556	0.97	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	23.0044	0.99	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	23.2558	1.02	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	23.5027	1.04	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	23.7581	1.06	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	24.0064	1.08	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	24.2504	1.11	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	24.5033	1.13	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	24.7563	1.16	0	0	0.03	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	25.0013	1.19	0	0	0.04	0.03
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	25.2546	1.22	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	25.5062	1.25	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	25.7514	1.28	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	26.001	1.31	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	26.2518	1.34	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	26.5053	1.38	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	26.7506	1.41	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	27.0041	1.43	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	27.2501	1.46	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	27.5067	1.49	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	27.752	1.52	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	28.0058	1.55	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	28.2523	1.57	0	0	0.04	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	28.5034	1.6	0	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	28.7507	1.63	0	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	29.0078	1.65	0	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	29.2564	1.68	0	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	29.5013	1.7	0	0	0.05	0.04
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	29.7503	1.73	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	30.0082	1.75	0	0	0.05	0.05

100/3 Zero Discharge	100Y-3D	Node Dummy MH2	30.26	1.77	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	30.5004	1.79	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	30.7574	1.81	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	31.0072	1.83	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	31.2508	1.85	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	31.5026	1.87	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	31.7577	1.89	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	32.0088	1.91	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	32.2535	1.93	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	32.5065	1.95	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	32.7535	1.96	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	33.0022	1.98	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	33.2576	2	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	33.5052	2.01	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	33.7541	2.03	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	34.0049	2.05	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	34.2533	2.06	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	34.5034	2.08	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	34.7515	2.09	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	35.0017	2.11	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	35.2549	2.12	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	35.5011	2.14	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	35.752	2.15	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	36.0014	2.17	0	0	0.05	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	36.2543	2.18	0	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	36.5013	2.19	0	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	36.7538	2.21	0	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	37.0007	2.22	0	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	37.2535	2.23	0	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	37.5016	2.25	0	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	37.7505	2.26	0	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	38.0036	2.27	0	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	38.2518	2.29	0	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	38.5028	2.3	0	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	38.7514	2.31	0	0	0.06	0.05
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	39.0025	2.32	0	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	39.2523	2.33	0	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	39.5023	2.35	0	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	39.7534	2.36	0	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	40.003	2.37	0	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	40.2514	2.38	0	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	40.5008	2.39	0	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	40.7502	2.4	0	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	41.0012	2.42	0	0	0.06	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	41.2514	2.43	0	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	41.5019	2.44	0	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	41.7524	2.45	0	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	42.0004	2.46	0	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	42.252	2.47	0	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	42.5016	2.48	0	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	42.7502	2.5	0	0	0.07	0.06
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	43.0023	2.51	0	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	43.2504	2.52	0	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	43.5001	2.53	0	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	43.7502	2.54	0	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	44.0004	2.55	0	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	44.2505	2.56	0	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	44.5012	2.57	0	0	0.07	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	44.7513	2.58	0	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	45.0012	2.59	0	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	45.2512	2.6	0	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	45.5012	2.61	0	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	45.7501	2.62	0	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	46.0013	2.63	0	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	46.2501	2.64	0	0	0.08	0.07
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	46.5002	2.65	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	46.7526	2.66	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	47.0091	2.67	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	47.2573	2.68	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	47.5032	2.69	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	47.752	2.7	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	48.0026	2.71	0	0	0.08	0.08

100/3 Zero Discharge	100Y-3D	Node Dummy MH2	48.26	2.72	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	48.5029	2.73	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	48.7554	2.74	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	49.0048	2.75	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	49.256	2.76	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	49.5101	2.77	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	49.7543	2.78	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	50.0136	2.79	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	50.2556	2.8	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	50.5013	2.81	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	50.7506	2.82	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	51.0036	2.83	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	51.2549	2.84	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	51.5019	2.85	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	51.7582	2.86	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	52.0059	2.88	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	52.2541	2.89	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	52.5016	2.9	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	52.7502	2.91	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	53.0005	2.93	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	53.25	2.94	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	53.5004	2.96	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	53.7553	2.97	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	54.0041	2.99	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	54.2555	3	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	54.5035	3.02	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	54.7531	3.04	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	55.0064	3.06	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	55.2505	3.08	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	55.5044	3.1	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	55.7547	3.12	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	56.007	3.14	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	56.2504	3.16	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	56.5006	3.18	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	56.7508	3.21	0	0	0.08	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	57.0011	3.23	0	0	0.09	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	57.2505	3.26	0	0	0.09	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	57.5008	3.29	0	0	0.09	0.08
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	57.7503	3.32	0	0	0.09	0.09
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	58.0004	3.35	0	0	0.09	0.09
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	58.25	3.39	0	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	58.5011	3.42	0	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	58.7501	3.46	0	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	59.0001	3.5	0	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	59.2502	3.55	0	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	59.5004	3.6	0	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	59.7514	3.68	0	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	60.0003	3.85	0	0	0.1	0.09
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	60.2503	4.08	0	0	0.1	0.1
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	60.5005	4.31	0	0	0.11	0.1
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	60.7501	4.49	0	0	0.11	0.1
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	61.0004	4.63	0	0	0.11	0.1
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	61.2507	4.72	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	61.5013	4.79	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	61.7509	4.84	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	62.0005	4.88	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	62.2504	4.92	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	62.5002	4.95	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	62.7517	4.98	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	63.0006	5	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	63.2509	5.02	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	63.5005	5.04	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	63.7501	5.06	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	64.0008	5.08	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	64.2514	5.09	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	64.5038	5.1	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	64.753	5.12	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	65.0023	5.13	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	65.252	5.13	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	65.5004	5.14	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	65.7528	5.15	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	66.003	5.16	0	0	0.12	0.11

100/3 Zero Discharge	100Y-3D	Node Dummy MH2	66.2537	5.17	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	66.5003	5.18	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	66.7529	5.18	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	67.0029	5.19	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	67.2559	5.2	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	67.5035	5.21	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	67.751	5.21	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	68.0018	5.22	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	68.2515	5.23	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	68.5005	5.24	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	68.7557	5.24	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	69.002	5.25	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	69.2518	5.25	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	69.5006	5.26	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	69.7552	5.27	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	70.008	5.27	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	70.2532	5.28	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	70.5034	5.28	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	70.7537	5.29	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	71.0012	5.29	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	71.254	5.3	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	71.5	5.3	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	71.757	5.31	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	72.0016	5.31	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	72.2568	5.32	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	72.5063	5.32	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	72.7572	5.32	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	73.0061	5.32	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	73.2643	5.32	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	73.5104	5.32	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	73.7604	5.33	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	74.0104	5.33	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	74.2604	5.33	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	74.5104	5.33	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	74.7604	5.33	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	Node Dummy MH2	75.0104	5.33	0	0	0.12	0.11
100/3 Zero Discharge	100Y-3D	SE Offsite	0.0003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	0.2513	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	0.5003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	0.7578	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	1.0011	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	1.2576	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	1.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	1.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	2.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	2.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	2.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	2.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	3.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	3.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	3.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	3.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	4.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	4.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	4.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	4.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	5.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	5.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	5.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	5.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	6.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	6.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	6.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	6.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	7.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	7.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	7.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	7.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	8.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	8.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	8.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	8.7657	0.5	0	0	0	0

[illegible]

100/3 Zero Discharge	100Y-3D	SE Offsite	27.0041	0.54	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	27.2501	0.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	27.5067	0.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	27.752	0.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	28.0058	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	28.2523	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	28.5034	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	28.7507	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	29.0078	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	29.2564	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	29.5013	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	29.7503	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	30.0082	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	30.26	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	30.5004	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	30.7574	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	31.0072	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	31.2508	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	31.5026	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	31.7577	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	32.0088	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	32.2535	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	32.5065	0.62	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	32.7535	0.62	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	33.0022	0.63	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	33.2576	0.63	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	33.5052	0.63	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	33.7541	0.64	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	34.0049	0.64	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	34.2533	0.64	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	34.5034	0.65	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	34.7515	0.65	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	35.0017	0.65	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	35.2549	0.66	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	35.5011	0.66	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	35.752	0.66	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	36.0014	0.67	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	36.2543	0.67	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	36.5013	0.67	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	36.7538	0.68	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	37.0007	0.68	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	37.2535	0.68	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	37.5016	0.69	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	37.7505	0.69	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	38.0036	0.69	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	38.2518	0.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	38.5028	0.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	38.7514	0.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	39.0025	0.71	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	39.2523	0.71	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	39.5023	0.72	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	39.7534	0.72	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	40.003	0.72	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	40.2514	0.73	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	40.5008	0.73	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	40.7502	0.73	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	41.0012	0.74	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	41.2514	0.74	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	41.5019	0.74	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	41.7524	0.75	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	42.0004	0.75	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	42.252	0.75	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	42.5016	0.76	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	42.7502	0.76	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	43.0023	0.76	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	43.2504	0.77	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	43.5001	0.77	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	43.7502	0.77	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	44.0004	0.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	44.2505	0.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	44.5012	0.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	44.7513	0.79	0	0	0	0

100/3 Zero Discharge	100Y-3D	SE Offsite	45.0012	0.79	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	45.2512	0.8	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	45.5012	0.8	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	45.7501	0.8	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	46.0013	0.81	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	46.2501	0.81	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	46.5002	0.81	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	46.7526	0.82	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	47.0091	0.82	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	47.2573	0.82	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	47.5032	0.83	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	47.752	0.83	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	48.0026	0.83	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	48.26	0.84	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	48.5029	0.84	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	48.7554	0.84	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	49.0048	0.85	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	49.256	0.85	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	49.5101	0.85	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	49.7543	0.86	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	50.0136	0.86	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	50.2556	0.86	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	50.5013	0.87	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	50.7506	0.87	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	51.0036	0.88	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	51.2549	0.88	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	51.5019	0.88	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	51.7582	0.89	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	52.0059	0.89	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	52.2541	0.89	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	52.5016	0.9	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	52.7502	0.9	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	53.0005	0.9	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	53.25	0.91	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	53.5004	0.91	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	53.7553	0.91	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	54.0041	0.92	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	54.2555	0.92	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	54.5035	0.92	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	54.7531	0.93	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	55.0064	0.93	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	55.2505	0.93	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	55.5044	0.94	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	55.7547	0.94	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	56.007	0.94	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	56.2504	0.95	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	56.5006	0.95	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	56.7508	0.95	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	57.0011	0.96	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	57.2505	0.96	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	57.5008	0.97	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	57.7503	0.97	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	58.0004	0.97	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	58.25	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	58.5011	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	58.7501	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	59.0001	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	59.2502	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	59.5004	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	59.7514	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	60.0003	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	60.2503	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	60.5005	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	60.7501	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	61.0004	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	61.2507	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	61.5013	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	61.7509	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	62.0005	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	62.2504	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	62.5002	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	62.7517	1	0	0	0	0

100/3 Zero Discharge	100Y-3D	SE Offsite	63.0006	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	63.2509	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	63.5005	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	63.7501	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	64.0008	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	64.2514	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	64.5038	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	64.753	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	65.0023	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	65.252	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	65.5004	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	65.7528	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	66.003	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	66.2537	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	66.5003	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	66.7529	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	67.0029	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	67.2559	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	67.5035	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	67.751	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	68.0018	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	68.2515	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	68.5005	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	68.7557	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	69.002	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	69.2518	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	69.5006	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	69.7552	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	70.008	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	70.2532	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	70.5034	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	70.7537	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	71.0012	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	71.254	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	71.5	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	71.757	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	72.0016	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	72.2568	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	72.5063	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	72.7572	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	73.0061	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	73.2643	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	73.5104	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	73.7604	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	74.0104	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	74.2604	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	74.5104	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	74.7604	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	SE Offsite	75.0104	0.97	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	0.0003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	0.2513	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	0.5003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	0.7578	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	1.0011	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	1.2576	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	1.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	1.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	2.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	2.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	2.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	2.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	3.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	3.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	3.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	3.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	4.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	4.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	4.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	4.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	5.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	5.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	5.5157	0.5	0	0	0	0

100/3 Zero Discharge	100Y-3D	TW	5.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	6.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	6.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	6.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	6.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	7.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	7.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	7.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	7.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	8.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	8.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	8.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	8.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	9.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	9.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	9.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	9.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	10.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	10.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	10.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	10.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	11.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	11.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	11.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	11.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	12.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	12.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	12.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	12.7657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	13.0157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	13.2657	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	13.5157	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	13.752	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	14.0025	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	14.2553	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	14.5002	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	14.7516	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	15.0003	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	15.2509	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	15.5007	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	15.7501	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	16.0021	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	16.2507	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	16.5011	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	16.7513	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	17.0011	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	17.2509	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	17.5001	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	17.7515	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	18.0039	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	18.2578	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	18.503	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	18.7586	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	19.0073	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	19.2521	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	19.5008	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	19.7502	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	20.0064	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	20.2515	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	20.5037	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	20.7523	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	21.0048	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	21.2531	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	21.5092	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	21.7588	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	22.0118	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	22.2535	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	22.5027	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	22.7556	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	23.0044	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	23.2558	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	23.5027	0.5	0	0	0	0

100/3 Zero Discharge	100Y-3D	TW	23.7581	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	24.0064	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	24.2504	0.5	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	24.5033	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	24.7563	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	25.0013	0.51	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	25.2546	0.52	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	25.5062	0.52	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	25.7514	0.52	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	26.001	0.53	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	26.2518	0.53	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	26.5053	0.53	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	26.7506	0.54	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	27.0041	0.54	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	27.2501	0.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	27.5067	0.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	27.752	0.55	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	28.0058	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	28.2523	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	28.5034	0.56	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	28.7507	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	29.0078	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	29.2564	0.57	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	29.5013	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	29.7503	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	30.0082	0.58	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	30.26	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	30.5004	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	30.7574	0.59	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	31.0072	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	31.2508	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	31.5026	0.6	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	31.7577	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	32.0088	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	32.2535	0.61	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	32.5065	0.62	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	32.7535	0.62	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	33.0022	0.63	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	33.2576	0.63	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	33.5052	0.63	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	33.7541	0.64	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	34.0049	0.64	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	34.2533	0.64	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	34.5034	0.65	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	34.7515	0.65	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	35.0017	0.65	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	35.2549	0.66	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	35.5011	0.66	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	35.752	0.66	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	36.0014	0.67	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	36.2543	0.67	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	36.5013	0.67	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	36.7538	0.68	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	37.0007	0.68	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	37.2535	0.68	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	37.5016	0.69	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	37.7505	0.69	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	38.0036	0.69	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	38.2518	0.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	38.5028	0.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	38.7514	0.7	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	39.0025	0.71	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	39.2523	0.71	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	39.5023	0.72	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	39.7534	0.72	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	40.003	0.72	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	40.2514	0.73	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	40.5008	0.73	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	40.7502	0.73	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	41.0012	0.74	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	41.2514	0.74	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	41.5019	0.74	0	0	0	0

100/3 Zero Discharge	100Y-3D	TW	41.7524	0.75	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	42.0004	0.75	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	42.252	0.75	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	42.5016	0.76	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	42.7502	0.76	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	43.0023	0.76	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	43.2504	0.77	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	43.5001	0.77	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	43.7502	0.77	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	44.0004	0.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	44.2505	0.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	44.5012	0.78	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	44.7513	0.79	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	45.0012	0.79	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	45.2512	0.8	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	45.5012	0.8	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	45.7501	0.8	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	46.0013	0.81	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	46.2501	0.81	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	46.5002	0.81	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	46.7526	0.82	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	47.0091	0.82	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	47.2573	0.82	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	47.5032	0.83	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	47.752	0.83	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	48.0026	0.83	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	48.26	0.84	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	48.5029	0.84	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	48.7554	0.84	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	49.0048	0.85	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	49.256	0.85	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	49.5101	0.85	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	49.7543	0.86	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	50.0136	0.86	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	50.2556	0.86	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	50.5013	0.87	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	50.7506	0.87	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	51.0036	0.88	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	51.2549	0.88	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	51.5019	0.88	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	51.7582	0.89	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	52.0059	0.89	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	52.2541	0.89	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	52.5016	0.9	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	52.7502	0.9	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	53.0005	0.9	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	53.25	0.91	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	53.5004	0.91	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	53.7553	0.91	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	54.0041	0.92	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	54.2555	0.92	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	54.5035	0.92	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	54.7531	0.93	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	55.0064	0.93	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	55.2505	0.93	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	55.5044	0.94	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	55.7547	0.94	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	56.007	0.94	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	56.2504	0.95	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	56.5006	0.95	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	56.7508	0.95	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	57.0011	0.96	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	57.2505	0.96	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	57.5008	0.97	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	57.7503	0.97	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	58.0004	0.97	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	58.25	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	58.5011	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	58.7501	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	59.0001	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	59.2502	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	59.5004	0.99	0	0	0	0

100/3 Zero Discharge	100Y-3D	TW	59.7514	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	60.0003	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	60.2503	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	60.5005	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	60.7501	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	61.0004	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	61.2507	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	61.5013	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	61.7509	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	62.0005	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	62.2504	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	62.5002	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	62.7517	1	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	63.0006	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	63.2509	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	63.5005	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	63.7501	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	64.0008	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	64.2514	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	64.5038	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	64.753	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	65.0023	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	65.252	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	65.5004	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	65.7528	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	66.003	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	66.2537	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	66.5003	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	66.7529	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	67.0029	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	67.2559	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	67.5035	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	67.751	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	68.0018	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	68.2515	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	68.5005	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	68.7557	0.99	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	69.002	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	69.2518	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	69.5006	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	69.7552	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	70.008	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	70.2532	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	70.5034	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	70.7537	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	71.0012	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	71.254	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	71.5	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	71.757	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	72.0016	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	72.2568	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	72.5063	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	72.7572	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	73.0061	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	73.2643	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	73.5104	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	73.7604	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	74.0104	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	74.2604	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	74.5104	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	74.7604	0.98	0	0	0	0
100/3 Zero Discharge	100Y-3D	TW	75.0104	0.97	0	0	0	0