

Client Name Florida Power & Light Page 1 of 21

Project Name Dania Beach Energy Center – Unit 7 Project No. 195190

Calculation Title Post-Development Storm Water Analysis

Calculation No./File No. 58.5406.1102

Verification Method: ☒ Check and Review ☐ Alternate Calculations

Objective: The objective of this calculation is to determine the post development-operation phase site storm water management system design for the Dania Beach Energy Center Project. The purpose of this hydrologic model is to meet the pre vs. post flow requirement, the water quality treatment volume and the maximum discharge during a 24 period as defined in Reference 2.1.

Unverified Assumptions Requiring Subsequent Verification

No.	Assumption	Verified By	Date
n/a	n/a	n/a	n/a

Refer to Page n/a of this calculation for additional assumptions.

This Section Used for Software-Generated Calculations

Program Name/Number HydroCAD Version 10.0

Standard B&V Application Used? ☒ Yes ☐ No

If no, list approved deviation permit number below and attach approved deviation permit.

Review and Approval

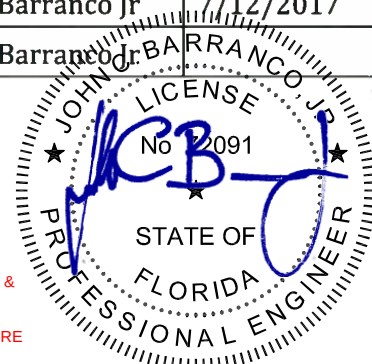
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0	O Jankauskaite	5/01/2017	J C Barranco Jr	5/01/2017	J C Barranco Jr	5/01/2017
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1.0 Purpose

The objective of this calculation is to determine the main plant post development-operation phase site storm water management system design for the Dania Beach Energy Center Project. The purpose of this hydrologic model is to meet the pre vs. post flow requirement, the water quality treatment volume and the maximum discharge during a 24 period as defined in Reference 2.1.

2.0 References

- 2.1 South Florida Water Management District, Environmental Resource Permit Applicant's Handbook Volume II, Oct 2013
- 2.2 Black & Veatch drawing, 195190-DS-1001, "FPL DBCEC Unit 7 - Site Arrangement"
- 2.3 Black & Veatch drawing, 195190-DS-1103, "FPL DBCEC Unit 7 - Proposed Stormwater Management Plan - Main Plant Area"
- 2.4 FPL Drawing, PFL1-C0015-ZZ-1, "Fort Lauderdale Plant - Aerial Topographic Survey Planimetric with Contours" Flight Date November, 1996.
- 2.5 United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), "National Engineering Handbook Part 630 Hydrology," May 2010
- 2.6 NOAA's National Weather Service Hydrometeorological Design Studies Center, "Precipitation Frequency Data Server (PFDS)".
- 2.7 Black & Veatch calculation, 195190.52.5406.1101.01 "FPL DBCEC Unit 7 Pre Development Storm Water Analysis"
- 2.8 Planning and Environmental Regulations "Water Table Map - Average Wet Season" Broward County, Florida
- 2.9 AutoCAD Civil 3D 2014
- 2.10 Google Earth
- 2.11 HydroCAD Ver. 10.0, HydroCAD Software Solutions, LLC
- 2.12 Trimble Terramodel Ver. 10.43

3.0 Conclusion

3.1 The main plant post-development condition flow rate for the design storm event of 25 year-72 hour, was calculated to be 45.37 cfs to the Plant Cooling Water Discharge Canal (Att 6, pg 55) and 46.88 cfs to the Dania Cutoff Canal (Att 6, pg 68). The pre-development flow rate was calculated to be 89.01 cfs for the Plant Cooling Water Discharge Canal and 48.86 cfs for Dania Cutoff Canal (Ref 2.7). Therefore, Pond 1 and Pond 2 and their corresponding outlet structures were designed to meet the pre vs. post flow requirements from Reference 2.1

3.2 Pond 1 provides water quality treatment volume of 4.21 acre-ft (Att 5, pg 2), the calculated required treatment volume for Pond 1 is 2.60 ac-ft. The actual treatment volume is greater than the required treatment volume for Pond 1.

Pond 2 provides water quality treatment volume of 1.92 ac-ft (Att 5, pg 3), the calculated required treatment volume for Pond 2 is 1.57 ac-ft. The actual treatment volume is greater than the required treatment volume for Pond 2.

3.3 Pond 1 has an actual discharge volume during a 24 hour period of 0.42 ac-ft (Att 6, pg 58). The calculated maximum allowable discharge volume out of Pond 1 is 0.52 ac-ft. The actual discharge volume is less than the maximum allowable discharge volume for Pond 1.

Pond 2 has an actual discharge volume during a 24 hour period of 0.28 ac-ft (Att 6, pg 71). The calculated maximum allowable discharge volume out of Pond 2 is 0.31 ac-ft. The actual discharge volume is less than the maximum allowable discharge volume for Pond 2.

3.4 During the design storm event of 25 year- 72 hour, Pond 1 has a peak water elevation of 7.35 ft-NAVD88 (Att 6, pg 55). Pond 1 has a top of bank elevation of 9.00 ft - NAVD 88, therefore there is approximately 1.65 ft of freeboard. Pond 2 has a peak water elevation of 5.91 ft-NAVD 88 (Att 6, pg 68). Pond 2 has a top of bank elevation of 6.50 ft-NAVD 88, therefore there is approximately 0.59 ft of freeboard.

3.5 During the 100 year - 72 hour storm event, Pond 1 has a peak water elevation of 7.96 ft -NAVD 88 (Att 7, pg 55), and Pond 2 has a peak water elevation of 6.20 ft-NAVD 88 (Att 7, pg 68). Both ponds are capable of providing a controlled discharge of the 100 year - 72 hour event without over topping the equipment/ building foundations and the top of embankments.

4.0 Design Methodology

4.1 25-year, 72-hour Model

Using the existing conditions HydroCAD file as the control point the proposed conditions HydroCAD model was created. Following the guidelines of Reference 2.1, the dry detention ponds will be designed such that the proposed 25-year, 72-hour flow rate is less than the existing 25-year, 72-hour flow rate for the Plant Cooling Water Discharge Canal and the Dania Cutoff Canal.

4.2 100-year, 72-hour Model

The 100-year, 72-hour storm event was modeled to determine the elevation of the site.

4.3 The required treatment volume is the greater of the following: (Reference 2.1)

- (a) one inch of runoff over the drainage area
- (b) 2.5 inches times the impervious area (excluding water bodies)

4.4 The SFWMD requires that gravity control discharge structures be sized to release no more than 0.5 inch of the required detention volume in a 24 hour period (Ref. 2.1, Vol II, Sec 5.2.a). Since the required detention volume was determined from multiplying 2.5 inches times the impervious area, excluding the pond surface, and was further the reduced by 25% for dry treatment the maximum discharge volume per 24 hours will be based on this adjusted site area and reduction factor.

5.0 Definitions of Units and Constants

Tc - Time of Concentration

SFWMD - South Florida Water Management District

SWMS - Stormwater Management System

TOB - Top of Bank

NAVD 88 = NGVD 29 - 1.51 ft

Antecedent Moisture Condition (AMC) = 2

Antecedent Wet Season Ground Water = 0.5' (Reference 2.8, Attach 2)

CN - Curve Number

6.0 Analysis

General Drainage Design Criteria

Applicable Regulations:

The Project is located in Broward County, FL and therefore the storm water management system (SWMS) is governed by the Florida Department of Environmental Protection (FDEP) regulations for Stormwater Discharge (Chapter 62-25, F.A.C.) and Environmental Resource Permitting (ERP) (Chapter 62-330, F.A.C.). According to these regulations, the rules of the local water management district are adopted by reference for FDEP ERP requirements. The South Florida Water Management District (SFWMD) oversees projects in Broward County. Therefore, the SWMS for this project has been designed to meet or exceed the criteria set forth in the SFWMD ERP Applicant's Handbook Volume II (Ref. 1).

Rainfall Depth, Duration and Distribution:

The design rainfall depths for the Project Site have been obtained from the NOAA Atlas 14, Volume 9, Version 2 (Att 1). The rainfall depths are summarized in the Table 1 Below. Storm events were modeled using HydroCAD analysis software (Ref 2.11).

Rainfall depths are summarized in Table 1 below.

Table 1

Rainfall Data		
Storm Event	Design Purpose	Rainfall Depth (in)
25 year - 72 hr*	Allowable Discharge Rate	13.5
100 year - 72 hr	Min. Finished Floors/ Min. Perimeter Berm Elevation	18.4
* Design Storm Event		

Post - Development Site Conditions

Site Description:

The main plant area encloses 39.72 acres in Broward County, Florida. The existing area of the proposed project is currently an existing electric generating plant consisting of two natural gas fired combined-cycle generating units (Units 4 and 5), two banks of twelve simple-cycle gas turbine units and fuel storage tank area. The existing plant is bordered by the Dania Beach Cutoff Canal to the south and the Existing Plant Cooling Water Discharge Canal to the north.

The existing site currently has 2 permitted offsite stormwater outfall locations: D-001 and D-0B1. D-001 discharges to the South Fork New River and D-0B1 discharges to the Dania Cutoff Canal. Existing Internal Outfalls I-1B2 (Pond 3), I-1B3 (Pond 2) and I-1B4 (Pond 1) , discharge to the existing plant cooling water discharge canal which ultimately discharges through the D-001 discharge location to the South Fork of New River. Existing Pond 5 discharges through D-0B1 to the Dania Cutoff Canal.

Outfall location D-001 has additional runoff contributing to it in addition to the runoff from the main plant area to be modernized for this project, therefore its individual peak discharge was not analyzed for the purpose of this project.

Existing Internal Upstream Outfalls I-1B4 (Pond 1), I-1B3 (Pond 2) and I-1B2 (Pond 3) discharge into the Existing Plant Cooling Water Discharge Canal, therefore the combined peak discharge from those 3 outfall locations will limit the proposed peak discharge rate for the Plant Cooling Water Discharge Canal. Existing outfall D-0B1 discharges into the Dania Cutoff Canal, therefore it will limit the peak proposed discharge rate for the Dania Cutoff Canal.

The limits of the proposed Stormwater basins are provided in Attachment 3.

Basin Description

Basins Contributing to the Plant Cooling Water Discharge Canal

SB-1 covers 9.05 acres and consists of Dry Detention Pond 1 and a laydown area that will be surfaced with aggregate. The basin is 93 % impervious with a CN of 96. The Stormwater runoff from SB-1 is conveyed via overland flow into Dry Detention Pond 1.

SB-2 covers 8.55 acres and consists of the Steam Turbine and its transformer, 2- Combustion Turbines and their transformers, 2-Heat Recovery Steam Generators and their associated equipment and the Evaporative Coolers. SB-2 includes a paved loop road surrounding the combined cycle equipment and the gravel surfacing around it. SB-2 is 95% impervious with a weighted CN of 97. Stormwater runoff is collected via a Stormwater catch basin system which discharges into Dry Detention Pond 1.

SB-3 covers 1.05 acres and consists of a grassed area east of Dry Detention Pond 1 and west of the Circulating Water Discharge Channel. SB-3 is 100% pervious with a CN of 74. Stormwater runoff is conveyed via overland flow into Dry Detention Pond 1.

SB-7 covers 3.09 acres and consists of ammonia unloading/storage tank area, portable demin water treatment area, fire pump enclosure, service fire water storage tank, demin water storage tank, a paved loop road and grassed area within the loop road surrounding the tanks. SB-7 is 38% impervious with a weighted CN of 83. Stormwater runoff is collected via a Stormwater catch basin system which discharges into Dry Detention Pond 1.

SB-8 covers 3.79 acres and consists of Dry Detention Pond 3, paved road and a construction laydown area which will be surfaced with aggregate. SB-8 is 100% impervious with a CN of 98. Part of the stormwater runoff is collected via overland flows into Dry Detention Pond 3 and part of it is collected via overland flow into a catch basin which then discharges into an existing stormwater lift station which conveys the stormwater to Pond 3 and then discharges via a 12" RCP culvert into Dry Detention Pond 2.

Basins Contributing to Dania Cutoff Canal

SB-4 covers 9.01 acres and consists of construction laydown area, construction trailers, craft parking and 2 Stormwater conveyance ditches. SB-4 is 78% impervious with a CN of 93. Stormwater runoff is collected via overland flow into the Stormwater conveyance ditches which then discharge into Dry Detention Pond 2 via a culvert.

SB-5 covers 4.13 acres and consists of the Dry Detention Pond 2, admin/warehouse building and paved parking area and a small grassed area adjacent to Pond 2. SB-5 is 96% impervious with a weighted CN of 97. Stormwater runoff is collected via a Stormwater catch basin system which discharges into Dry Detention Pond 2.

SB-6 covers 1.05 acres and consists of fuel oil unloading area and gravel surfacing surrounding it. SB-6 is 100% impervious with a CN of 98. Stormwater runoff is conveyed via overland flow into a catch basin which then discharge south to Dry Detention Pond 2.

The operation phase site acreage's and surfacing are summarized in Table 2 and 3 below.

Main Plant Post Development Phase Site Acreage & Surfacing						
Sub Basin	Total Area		Pervious	Impervious - other	Impervious - Building	Impervious - Water Surface
	(Acres)	(% Impervious)*	(Acres)	(Acres)	(Acres)	(Acres)
SB-1	9.05	93%	0.60	4.47	0.00	3.98
SB-2	8.55	95%	0.45	8.10	0.00	0.00
SB-3	1.05	0%	1.05	0.00	0.00	0.00
SB-4	9.01	78%	2.00	6.75	0.26	0.00
SB-5	4.13	96%	0.17	1.44	0.57	1.95
SB-6	1.05	100%	0.00	1.05	0.00	0.00
SB-7	3.09	38%	1.91	0.66	0.52	0.00
SB-8	3.79	100%	0.00	2.91	0.00	0.88
Total Area Contributing to Pond 1	25.53	84%	4.01	16.14	0.52	4.86
Total Area Contributing to Pond 2	14.19	85%	2.17	9.24	0.83	1.95
Total Site	39.72	84%	6.18	25.38	1.35	6.81
* % Impervious includes Impervious - Other, Impervious - Building, and Impervious - Water Surfaces.						

Table 3.

Main Plant Post Development Phase Site Acreage & Surfacing										
Sub Basin	Total Area		Pervious		Impervious - other		Impervious - Building		Impervious - Water	
	(Acres)	Weighted CN	(Acres)	CN	(Acres)	CN	(Acres)	CN	(Acres)	CN
SB-1	9.05	96	0.60	74	4.47	98	0.00	98	3.98	98
SB-2	8.55	97	0.45	74	8.10	98	0.00	98	0.00	98
SB-3	1.05	74	1.05	74	0.00	98	0.00	98	0.00	98
SB-4	9.01	93	2.00	74	6.75	98	0.26	98	0.00	98
SB-5	4.13	97	0.17	74	1.44	98	0.57	98	1.95	98
SB-6	1.05	98	0.00	79	1.05	98	0.00	98	0.00	98
SB-7	3.09	83	1.91	74	0.66	98	0.52	98	0.00	98
SB-8	3.79	98	0.00	74	2.91	98	0.00	98	0.88	98
Total Area Contributing to Pond 1	25.53	94	4.01	74	16.14	98	0.52	98	4.86	98
Total Area Contributing to Pond 2	14.19	94	2.17	74	9.24	98	0.83	98	1.95	98
Total Site	39.72	94	6.18	74	25.38	98	1.35	98	6.81	98

Time of Concentration

Time of concentration (Tc) was calculated using HydroCAD software (Ref 2.11). HydroCAD uses the methodology for determining Tc as set forth in the NRCS National Engineering Handbook, Part 6330 Hydrology (Ref 2.5).

Data used to calculate the Tc of the sub basins in HydroCAD is presented below in Tables 4a, 4b and 4c. Each table presents the travel data for one segment of a runoff travel path. A minimum Tc has been established as being equal to 5.0 minutes to prevent unreasonably short Tc durations for small or highly impervious areas. In cases where the calculated Tc values are less than 5.0 minutes, Tc will be set equal to 5.0 minutes. HydroCAD also requires the entry of the 2year-24hr storm event rainfall depth for determination of sheet flow Tc. The 2year - 24hr storm event rainfall depth has been determined to be equal to 5.70 inches. (Att 1).

Table 4a

Time of Concentration Data - Flow Segment 1							
Sub Basin	Max EL (ft-NAVD88)	Min EL (ft-NAVD88)	Length (ft)	Slope (ft/ft)	Surface Type	Flow Type	Travel Time
SB-1	10	9.5	300	0.002	Smooth	Sheet	5.5
SB-2	10	8.5	260	0.006	Smooth	Sheet	3.2
SB-3	10	9.5	252	0.002	Short Grass	Sheet	38.6
SB-4	6	5.25	300	0.003	Short Grass	Sheet	5
SB-5	10	9.75	130	0.002	Smooth	Sheet	2.8
SB-6	7	6	300	0.003	Smooth	Sheet	5
SB-7	8.5	8	150	0.003	Short Grass	Sheet	23.3
SB-8	10	9.5	300	0.002	Smooth	Sheet	5

Table 4b

Time of Concentration Data - Flow Segment 2							
Sub Basin	Max EL (ft-NAVD88)	Min EL (ft-NAVD88)	Length (ft)	Slope (ft/ft)	Surface Type	Flow Type	Travel Time
SB-1	9.5	9	231	0.002	Short Grass	SCF	5.3
SB-2	8.5	3.75	1100	0.004	Smooth	Pipe	3.8
SB-3	-	-	-	-	-	-	-
SB-4	5.25	3.5	990	0.002	Smooth	Channel	7.2
SB-5	9.75	3.5	422	0.015	Smooth	Pipe	2.8
SB-6	6	5.5	275	0.002	Smooth	SCF	5.2
SB-7	8	3.75	1200	0.004	Smooth	Pipe	5.3
SB-8	9.5	9	310	0.002	Smooth	SCF	6.4

Table 4c

Time of Concentration Data - Flow Segment 3							
Sub Basin	Max EL (ft-NAVD88)	Min EL (ft-NAVD88)	Length (ft)	Slope (ft/ft)	Surface Type	Flow Type	Travel Time
SB-4	3.5	3	250	0.002	Smooth	Pipe	2.1

Allowable Discharge Rate

The maximum allowable storm water discharge rate for the post development main plant area is set as the value obtained from a model analysis of the pre-development site peak discharge rates for a 25year-72 hours storm event. The main plant operational phase project site will discharge storm water runoff to the Plant Cooling Water Discharge Canal and the Dania Cutoff Canal, which have a pre-development peak discharges equal to 89.01 cfs and 48.86 cfs respectively (Ref 2.7). Table 5 represents a summary of pre-development discharges for the Plant Cooling water Discharge Canal and the Dania Cutoff Canal.

Table 5

Allowable Discharge Rate			
Discharge Location	Storm Event	Rainfall Depth	Discharge Rate
		(in)	(cfs)
Plant Cooling Water Discharge Canal	25yr-72hr	13.50	89.01
Dania Cutoff Canal	25yr-72hr	13.50	48.86

Post Development Discharge Rate

For a 25 year - 72 hour storm event, the operational phase main plant area will discharge storm water runoff to the Plant Cooling Water Discharge Canal at a peak discharge rate equal to 45.37 cfs, and to Dania Cutoff Canal at a peak discharge rate equal to 46.88 cfs. Table 6 represents a summary of post development discharges for the Plant Cooling water Discharge Canal and the Dania Cutoff Canal.

Table 6

Discharge Location	Storm Event	Rainfall Depth	Discharge Rate
		(in)	(cfs)
Plant Cooling Water Discharge Canal	25yr-72hr	13.50	45.37
Dania Cutoff Canal	25yr-72hr	13.50	46.88

Detention Volume for Water Quality Treatment

Calculation of Detention Volume:

Required detention volume were determined based upon SFWMD criteria (Ref. 2.1, Vol. II, Sec. 4.2.1). The required detention volume for the post development operational site was determined using the following method:

Determine the greater of 1-in over project site or 2.5-in over percent impervious:

Definition of Variables for DV Treatment:

Area _{SiteP1} := 25.53acre	Area of main plant site contributing Stormwater to Pond 1 .
Area _{SiteP2} := 14.19acre	Area of main plant site contributing Stormwater to Pond 2 .
Area _{PerviousP1} := 4.01acre	Area of pervious surfaces within the site contributing Stormwater to Pond 1 .
Area _{PerviousP2} := 2.17acre	Area of pervious surfaces within the site contributing Stormwater to Pond 2 .
Area _{ImperviousP1} := 16.66acre	Area of impervious surfaces within the site contributing Stormwater to Pond 1 .
Area _{ImperviousP2} := 10.07acre	Area of impervious surfaces within the site contributing Stormwater to Pond 2 .
Area _{PondP1} := 3.98acre	Area of pond 1 surface
Area _{PondP2} := 1.95acre	Area of pond 2 surface
Area _{PondP3} := 0.88acre	Area of pond 3 surface
DV _{Dry.Reduction.Factor} := 0.75	Dry Detention Water Quality Treatment Volume Reduction

Dry Detention Pond 1

Determine the greater of 1-in over project site or 2.5-in over percent impervious:

1-in Over Site:

$$\text{Volume}_{\text{DV}.1\text{inch}} := 1\text{in} \cdot (\text{Area}_{\text{SiteP1}})$$

$$\text{Volume}_{\text{DV}.1\text{inch}} = 2.13 \cdot \text{acre} \cdot \text{ft}$$

2.5-in Over Percent Impervious:

$$\text{Volume}_{\text{DV}.2.5\text{inch}} := 2.5\text{in} \cdot (\text{Area}_{\text{ImperviousP1}})$$

$$\text{Volume}_{\text{DV}.2.5\text{inch}} = 3.471 \cdot \text{acre} \cdot \text{ft}$$

$$\text{Volume}_{\text{DV}.2.5\text{inch}} > \text{Volume}_{\text{DV}.1\text{inch}}$$

Thus the 2.5-in times the percent impervious governs for Pond 1 basin.

Reduce required DV volume by 25% for Dry Detention:

$$\text{Volume}_{\text{DV}.Required} := \text{DV}_{\text{Dry.Reduction.Factor}} \cdot \text{Volume}_{\text{DV}.2.5\text{inch}}$$

$$\text{Volume}_{\text{DV}.Required} = 2.603 \cdot \text{acre} \cdot \text{ft}$$

Thus, the required WQ treatment volume required to be provided in Pond 1 is 2.60 ac-ft.

The provided TWQ treatment volume in Pond 1 is 4.21 ac-ft, therefore this condition is met.

Dry Detention Pond 2

Determine the greater of 1-in over project site or 2.5-in over percent impervious:

1-in Over Site:

$$\text{Volume}_{\text{DV.1inch}} := 1\text{in} \cdot (\text{Area}_{\text{SiteP2}})$$

$$\text{Volume}_{\text{DV.1inch}} = 1.18 \cdot \text{acre} \cdot \text{ft}$$

2.5-in Over Percent Impervious:

$$\text{Volume}_{\text{DV.2.5inch}} := 2.5\text{in} \cdot ((\text{Area}_{\text{ImperviousP2}}))$$

$$\text{Volume}_{\text{DV.2.5inch}} = 2.098 \cdot \text{acre} \cdot \text{ft}$$

$$\text{Volume}_{\text{DV.2.5inch}} > \text{Volume}_{\text{DV.1inch}}$$

Thus the 2.5-in times the percent impervious governs for Pond 2 basin.

Reduce required DV volume by 25% for Dry Detention:

$$\text{Volume}_{\text{DV.Required}} := \text{DV}_{\text{Dry.Reduction.Factor}} \cdot \text{Volume}_{\text{DV.2.5inch}}$$

$$\text{Volume}_{\text{DV.Required}} = 1.573 \cdot \text{acre} \cdot \text{ft}$$

Thus, the required WQ treatment volume required to be provided in Pond 2 is 1.57 ac-ft.

The provided TWQ treatment volume in Pond 2 is 1.92 ac-ft, therefore this condition is met.

Maximum Detention Volume Discharge Per 24 Hours

The SFWMD requires that gravity control discharge structures be sized to release no more than 0.5 inch of the required detention volume in a 24 hour period (Ref. 1, Vol II, Sec 5.2.a). Since the required detention volume was determined from multiplying 2.5 inches times the percentage of imperviousness over the site area, excluding the pond surface, and was further reduced by 25% for dry treatment the maximum discharge volume per 24 hours will be based on this adjusted site area and reduction factor. The method of calculation is shown below:

Calculate Maximum Allowable Detention Volume Discharge Per 24 Hours for Pond 1:

$$\text{Volume}_{24\text{HR.MaxDischargeP1}} := 0.75 \cdot \left[0.5\text{in} \cdot (\text{Area}_{\text{ImperviousP1}}) \right]$$

$$\text{Volume}_{24\text{HR.MaxDischargeP1}} = 0.52 \cdot \text{acre} \cdot \text{ft}$$

Thus a maximum of 0.52 ac-ft of detention volume may be released in a 24 hour period of time from Pond 1.

The actual detention volume released during a 24 hour period is 0.42 ac-ft. Therefore, this condition is met.

Calculate Maximum Allowable Detention Volume Discharge Per 24 Hours for Pond 2:

$$\text{Volume}_{24\text{HR.MaxDischargeP2}} := 0.75 \cdot \left[0.5\text{in} \cdot (\text{Area}_{\text{ImperviousP2}}) \right]$$

$$\text{Volume}_{24\text{HR.MaxDischargeP2}} = 0.31 \cdot \text{acre} \cdot \text{ft}$$

Thus a maximum of 0.31 ac-ft of detention volume may be released in a 24 hour period of time from Pond 1.

The actual detention volume released during a 24 hour period is 0.28 ac-ft. Therefore, this condition is met.

Detention Pond Design

Two dry detention ponds with gravity control outfall structures is the proposed mechanism by which detention volume treatment and post vs. pre flood attenuation will be facilitated for the operational phase project site. The dry detention areas and outfall mechanisms have been designed according to the requirements of the SFWMD (Ref 1). The dry detention Pond 1 will have a bottom elevation set approximately 3 feet above the estimated Antecedent Wet Season Water Table (AWSWT).

The dry detention pond was designed using HydroCAD software (Ref.2.11). The previously described site basin data was inputted into HydroCAD to develop the runoff volume and rate information needed to size the ponds. The ponds were inputted as custom stage storage based on volumetric analysis of the pond grading using Trimble Terramodel (Ref. 2.12).

Pond 1:

Dry detention pond 1 was set to a depth determined from proposed and existing grade elevations and AWSWT Elevation. The pond was set to a depth of 5.5 feet. The elevation of the Pond bottom is set at 3.5 ft-NAVD 88 and the top of bank is set at 9.0 ft-NAVD 88. The sides of the pond are sloped at 4:1 per SFWMD requirements (Ref 1). The AWSWT was determined to be 0.5 NAVD88 (Reference 2.8, Attach 2).

During the design storm event, 25 year - 72 hour, the peak elevation of Pond 1 is 7.35 ft-NAVD88, leaving 1.65 feet of freeboard. The pond was also checked for containment of the 100 year- 72 hour event. This was ensure that during the 100 year event the storm runoff can be contained within the site boundary, without causing major equipment, buildings or roads to flood. The peak stage elevation of the pond during the 100 year-72 hour event reached 7.96 ft-NAVD 88, which is still contained within the pond, leaving 1.04 feet of freeboard. Pond 1 will be discharging into the Plant Cooling Water Discharge Canal via a control structure through an Internal Outfall Location I-1B4.

Below is a table summarizing Dry Detention Pond 1 Stage Storage Data

Table 7

Dry Detention Pond (P-1) Stage Data			
Elevation (ft-NAVD88)	Surface Area (Acres)	Incremental Storage Volume (Ac-ft)	Remarks
2.5	-	-	Elevation of the Bleed-Down Orifice
3.5	2.77	-	Bottom of the Detention Pond
4	2.87	1.28	
5	3.09	2.93	Elevation of the v-notch weir
6	3.31	3.18	
7	3.53	3.39	
8	3.75	3.60	Elevation of the broad-crested rectangular weir
9	3.98	3.88	Top of Bank

Pond 1 - Outfall I-1B4 Tailwater

Pond 1 is discharging into the Plant Cooling Water Discharge Canal at EL 1 ft-NAVD88. The Mean High High Water (MHHW) Elevation is 0.43ft-NAVD88 (Att 8) for the Plant Cooling Water Discharge Canal, which serves as highest tailwater condition for Outfall I-1B4. The MHHW elevation was determined as an average between 2 different datum locations, and both data sheets are provided in Attachment 8. The pond outlet culvert is set to EL 1 ft-NAVD 88, which is above the tailwater elevation, therefore the discharge is not affected by the tailwater condition.

Pond 1 Bleed Down Orifice Sizing:

The bleed down orifice for the Pond will be sized to allow the detention volume to be released at the rate required by SFWMD (Ref. 1, Vol. II, Sec. 5.2.a). Per this rule no more than 0.5 inch of the required detention volume will be released from the detention area in a 24 hour period.

To determine the bleed down orifice size the Dry Detention Pond 1 Hydrograph from the HydroCAD model was used (Att 6). The Hydrograph table reports the Outflow-Volume in acre-feet for each hour from the beginning of the storm. The orifice invert elevation was set at 12 inches below the Pond bottom to allow the pond to fully drain. The orifice size was then adjusted to ensure that the draw down rate did not exceed the maximum permissible rate.

Two- 2 inch circular orifices with invert elevations set at 2.50 ft-NAVD88 will be the means by which detention volume draw down occurs. The Hydrograph table reported that during the first 24 hours of the storm, 0.42 acre-feet was discharged through the orifice, which is less than the allowable discharge volume of 0.52 acre-ft.

Table 8 presents the results of this analysis. Attachment 6 provides the complete HydroCAD model analysis for this orifice sizing.

Table 8

Detention Volume Orifice Sizing for Pond 1							
Treatment Method	Orifice Shape	Orifice Size (in)	Orifice Quantity	Detention Volume		Detention Volume Discharge Per Day	
				Required (ac-ft)	Provided (ac-ft)	Allowable (ac-ft/day)	Actual (ac-ft/day)
Dry Detention	Circular	2.0	2	2.60	4.21	0.52	0.42

Pond 2:

Dry detention pond 2 was set to a depth determined from proposed and existing grade elevations and AWSWT Elevation. The pond was set to a depth of 3.5 feet. The elevation of the Pond bottom is set at 3.0 ft-NAVD 88 and the top of bank is set at 6.5 ft-NAVD 88. The sides of the pond are sloped at 4:1 per SFWMD requirements (Ref 1).

During the design storm event, 25 year - 72 hour, the peak elevation of Pond 2 is 5.91 ft-NAVD88, leaving 0.59 feet of freeboard. The pond was also checked for containment of the 100 year- 72 hour event. This was to ensure that during the 100 year event the storm runoff can be contained within the site boundary, without causing major equipment to flood. The peak stage elevation of the pond during the 100 year-72 hour event reached 6.43 ft-NAVD 88, which shows that Pond 2 is still capable of providing a controlled discharge of the 100 year - 72 hour event without over topping the equipment/ building foundations and the top of embankments. Pond 2 will be discharging into the Dania Cutoff Canal via a control structure through Outfall D-0B1.

Below is a table summarizing Dry Detention Pond 1 Stage Storage Data

Table 9

Dry Detention Pond (P-2) Stage Data			
Elevation (ft-NAVD88)	Surface Area (Acres)	Incremental Storage Volume (Ac-ft)	Remarks
2	-	-	Elevation of the Bleed-Down Orifice #1
3	1.43	-	Bottom of the Detention Pond/ EL of Bleed-Down Orifice #2
4	1.61	1.51	
4.25	1.65	0.41	Elevation of the v-notch weir
5	1.78	1.69	
5.5	1.87		Elevation of the broad-crested rectangular weir
6.5	1.95	1.89	Top of Bank

Pond 2 - Outfall D-0B1 Tailwater

Pond 2 is discharging into the Dania Cutoff Canal at EL 1 ft-NAVD88. The Mean High High Water (MHHW) Elevation is 0.49ft-NAVD88 (Att 8) for the Dania Cutoff Canal, which serves as highest tailwater condition for Outfall D-0B1. The pond outlet culvert is set to EL 1 ft-NAVD 88, which is above the tailwater elevation, therefore the discharge is not affected by the tailwater condition.

Pond 2 Bleed Down Orifice Sizing:

The bleed down orifice for the Pond will be sized to allow the detention volume to be released at the rate required by SFWMD (Ref. 1, Vol. II, Sec. 5.2.a). Per this rule the no more than 0.5 inch of the required detention volume will be released from the detention area in a 24 hour period.

To determine the bleed down orifice size the Hydrograph from the HydroCAD model for Dry Detention Pond 2 was used. The Hydrograph table reports the Outflow-Volume in acre-feet for each hour from the beginning of the storm. The control structure for Pond 2 has 2 orifice holes, the first orifice invert elevation was set at 12 inches below the Pond bottom to allow the pond to fully drain and the second orifice elevation was set at the bottom of the pond. The 2 orifice were offset vertically from one another in order for the draw down rate to not exceed the maximum permissible rate within 24 hours.

Two- 2 inch circular orifices with one at invert elevations set at 2.00 ft-NAVD88 and the second one with invert elevation set at 3.00 ft-NAVD 88 will be the means by which detention volume for Pond 2 draw down occurs. The hydrograph table reported that during the first 24 hours of the storm, 0.28 acre-feet was discharged through both the orifice, which is less than the allowable discharge volume of 0.31 acre-ft.

Table 10 presents the results of this analysis. Attachment 6 provides the complete HydroCAD model analysis for this orifice sizing.

Table 10

Detention Volume Orifice Sizing for Pond 2							
Treatment Method	Orifice Shape	Orifice Size (in)	Orifice Quantity	Detention Volume		Detention Volume Discharge Per Day	
				Required (ac-ft)	Provided (ac-ft)	Allowable (ac-ft/day)	Actual (ac-ft/day)
Dry Detention	Circular	2.0	2	1.57	1.92	0.31	0.28

A summary of Pond 1 and Pond 2 design storm peak discharge rates, detention volume storage, and 24 hour detention volume discharge is presented in Table 11. More detailed information, including HydroCAD model reports are provided in Attachments 6-7.

Table 11

Operation Phase Storm Water Detention Pond Hydrology Summary													
Basin	Detention Pond	Discharge Method	Discharge Location	Pond Peak Stage Elevation		25yr-72hr Peak Discharge		100yr-72hr Peak Discharge		Treatment Volume Storage		Detention Volume Discharge per 24 hours	
				25yr-72hr	100 yr- 72hr	Rate	Time*	Rate	Time*	Required	Provided	Allowed	Provided
				(ft-NAVD88)	(ft-NAVD88)	(cfs)	(hrs)	(cfs)	(hrs)	(ac-ft)	(ac-ft)	(ac-ft)/day	(ac-ft)/day
SB-1	Pond 1	Pond - Gravity Control Structure	Plant Cooling Water Discharge Canal	7.35	7.96	45.37	60.60	68.09	60.57	2.60	4.21	0.52	0.42
SB-5	Pond 2	Pond - Gravity Control Structure	Dania Cutoff Canal	5.91	6.43	46.88	60.51	88.01	60.45	1.57	1.92	0.31	0.28
* Indicated time of occurrence of peak discharge rate from start of storm event													

Pond 3:

Dry detention pond 3 was set to a depth determined from proposed and existing grade elevations and AWSWT Elevation. The pond was set to a depth of 4.5 feet. The elevation of the Pond bottom is set at 4.50 ft-NAVD 88 and the top of bank is set at 9.0 ft-NAVD 88. The sides of the pond are sloped at 4:1 per SFWMD requirements (Ref 1).

During the design storm event, 25 year - 72 hour, the peak elevation of Pond 3 is 7.68 ft-NAVD88, leaving 1.32 feet of freeboard. The pond was also checked for containment of the 100 year- 72 hour event. This was to make sure that during the 100 year event the storm runoff can be contained within the site boundary, without causing major equipment to flood. The peak stage elevation of the pond during the 100 year-72 hour event reached 8.58 ft-NAVD 88, which shows that Pond 3 is still capable of providing enough volume for the 100 year - 72 hour event without over topping the equipment/ building foundations and the top of embankments. Pond 3 does not have an offsite discharge point and will be discharging into Pond 1 via a 12" culvert.

Below is a table summarizing Dry Detention Pond 3 Stage Storage Data

Client: FPL
 Project: DBEC - Unit 7
 Project No: 195190
 File No: 58.5406.1102
 Title: Main Plant Area Post-
 Development Storm Water Analysis

Prepared By: Orinta Jankauskaite
 Date 19 July 2017
 Verified By: J C Barranco Jr
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Table 12

Dry Detention Pond (P-3) Stage Data			
Elevation	Surface Area	Incremental Storage Volume	Remarks
(ft-NAVD88)	(Acres)	(Ac-ft)	
4.5	0.58	-	Bottom of the Detention Pond / Discharge Culvert Elevation
5	0.61	0.28	
6	0.67	0.62	
7	0.73	0.68	
8	0.80	0.74	
9	0.86	0.79	Top of Bank

Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1102
Title: Main Plant Area Post-
Development Storm Water
Analysis

Prepared By: Orinta Jankauskaite
Date 19 July 2017
Verified By: J C Barranco Jr
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Attachments

Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1102
Title: Main Plant Area Post-
Development Storm Water
Analysis

Prepared By: Orinta Jankauskaite
Date 12 July 2017
Verified By: J C Barranco Jr

Attachment 1

Rainfall Maps



NOAA Atlas 14, Volume 9, Version 2
Location name: Dania Beach, Florida, USA*
Latitude: 26.0693°, Longitude: -80.1959°
Elevation: 3.96 ft**
 * source: ESRI Maps
 ** source: USGS



POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Deborah Martin, Sandra Pavlovic, Ishani Roy, Michael St. Laurent, Carl Trypaluk, Dale Unruh, Michael Yekta, Geoffrey Bonnin

NOAA, National Weather Service, Silver Spring, Maryland

[PF tabular](#) | [PF graphical](#) | [Maps & aeriels](#)

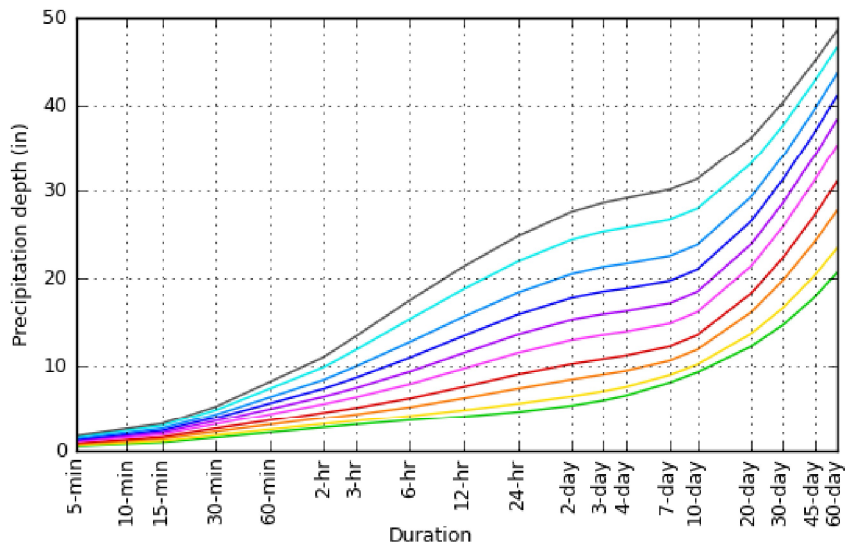
PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches) ¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.551 (0.432–0.697)	0.639 (0.501–0.809)	0.784 (0.612–0.995)	0.905 (0.703–1.15)	1.07 (0.808–1.41)	1.20 (0.888–1.60)	1.34 (0.955–1.81)	1.47 (1.01–2.04)	1.65 (1.10–2.34)	1.78 (1.16–2.58)
10-min	0.807 (0.633–1.02)	0.936 (0.733–1.19)	1.15 (0.896–1.46)	1.33 (1.03–1.69)	1.57 (1.18–2.06)	1.76 (1.30–2.34)	1.96 (1.40–2.65)	2.15 (1.48–2.99)	2.41 (1.60–3.43)	2.61 (1.70–3.77)
15-min	0.984 (0.771–1.25)	1.14 (0.894–1.45)	1.40 (1.09–1.78)	1.62 (1.26–2.06)	1.92 (1.44–2.51)	2.15 (1.59–2.85)	2.38 (1.71–3.23)	2.62 (1.81–3.64)	2.94 (1.96–4.19)	3.18 (2.07–4.60)
30-min	1.57 (1.23–1.99)	1.84 (1.44–2.32)	2.27 (1.77–2.88)	2.63 (2.04–3.35)	3.13 (2.36–4.10)	3.52 (2.59–4.66)	3.91 (2.80–5.30)	4.31 (2.97–5.98)	4.85 (3.22–6.90)	5.25 (3.41–7.59)
60-min	2.16 (1.69–2.73)	2.49 (1.95–3.15)	3.07 (2.39–3.89)	3.58 (2.78–4.56)	4.34 (3.29–5.74)	4.96 (3.68–6.63)	5.62 (4.04–7.67)	6.33 (4.38–8.84)	7.32 (4.89–10.5)	8.11 (5.27–11.7)
2-hr	2.75 (2.17–3.45)	3.15 (2.48–3.95)	3.87 (3.04–4.86)	4.53 (3.55–5.72)	5.55 (4.26–7.32)	6.41 (4.80–8.53)	7.33 (5.33–9.98)	8.34 (5.83–11.6)	9.79 (6.60–14.0)	11.0 (7.18–15.7)
3-hr	3.08 (2.44–3.84)	3.50 (2.78–4.38)	4.31 (3.41–5.40)	5.09 (4.01–6.40)	6.32 (4.90–8.36)	7.38 (5.58–9.84)	8.56 (6.26–11.7)	9.86 (6.95–13.7)	11.8 (7.98–16.8)	13.3 (8.76–19.0)
6-hr	3.60 (2.88–4.45)	4.13 (3.31–5.12)	5.17 (4.13–6.43)	6.19 (4.92–7.72)	7.83 (6.14–10.3)	9.27 (7.07–12.3)	10.9 (8.03–14.7)	12.7 (9.00–17.6)	15.3 (10.5–21.7)	17.4 (11.6–24.8)
12-hr	4.08 (3.29–5.00)	4.82 (3.89–5.92)	6.21 (5.00–7.65)	7.54 (6.03–9.32)	9.61 (7.59–12.6)	11.4 (8.77–15.0)	13.4 (9.96–18.0)	15.6 (11.1–21.4)	18.7 (12.9–26.3)	21.3 (14.3–30.1)
24-hr	4.62 (3.76–5.62)	5.58 (4.54–6.79)	7.32 (5.94–8.94)	8.94 (7.22–11.0)	11.4 (9.07–14.7)	13.5 (10.5–17.6)	15.8 (11.8–21.0)	18.3 (13.2–24.9)	21.9 (15.2–30.5)	24.8 (16.7–34.8)
2-day	5.36 (4.41–6.47)	6.43 (5.28–7.77)	8.37 (6.86–10.1)	10.2 (8.28–12.4)	12.9 (10.3–16.5)	15.2 (11.9–19.6)	17.7 (13.4–23.4)	20.5 (14.9–27.7)	24.4 (17.1–33.8)	27.6 (18.8–38.4)
3-day	5.97 (4.93–7.17)	7.01 (5.79–8.43)	8.93 (7.36–10.8)	10.7 (8.79–13.0)	13.5 (10.9–17.2)	15.9 (12.4–20.4)	18.4 (14.0–24.2)	21.3 (15.5–28.6)	25.3 (17.8–34.9)	28.6 (19.6–39.7)
4-day	6.52 (5.41–7.81)	7.51 (6.23–9.00)	9.36 (7.74–11.2)	11.1 (9.14–13.4)	13.9 (11.2–17.6)	16.2 (12.8–20.8)	18.8 (14.3–24.6)	21.7 (15.9–29.1)	25.8 (18.2–35.5)	29.2 (20.0–40.3)
7-day	8.00 (6.69–9.51)	8.86 (7.40–10.5)	10.5 (8.77–12.6)	12.2 (10.1–14.6)	14.8 (12.1–18.7)	17.1 (13.6–21.8)	19.7 (15.1–25.6)	22.5 (16.7–30.1)	26.7 (19.0–36.6)	30.1 (20.8–41.5)
10-day	9.20 (7.72–10.9)	10.1 (8.47–12.0)	11.8 (9.88–14.0)	13.5 (11.2–16.1)	16.1 (13.2–20.2)	18.4 (14.7–23.3)	21.0 (16.2–27.2)	23.8 (17.7–31.7)	28.0 (20.0–38.1)	31.4 (21.7–43.0)
20-day	12.2 (10.3–14.3)	13.6 (11.5–16.0)	16.1 (13.6–19.0)	18.3 (15.3–21.6)	21.4 (17.5–26.2)	23.9 (19.1–29.7)	26.6 (20.6–33.8)	29.3 (21.8–38.4)	33.2 (23.8–44.6)	36.2 (25.3–49.3)
30-day	14.6 (12.5–17.1)	16.6 (14.1–19.4)	19.7 (16.7–23.1)	22.3 (18.9–26.3)	25.9 (21.2–31.3)	28.6 (22.9–35.2)	31.3 (24.3–39.4)	34.0 (25.4–44.1)	37.6 (27.1–50.1)	40.3 (28.3–54.7)
45-day	17.8 (15.3–20.7)	20.3 (17.4–23.6)	24.1 (20.6–28.1)	27.2 (23.1–31.8)	31.2 (25.5–37.3)	34.1 (27.3–41.5)	36.8 (28.6–46.0)	39.5 (29.5–50.6)	42.7 (30.8–56.4)	45.0 (31.8–60.8)
60-day	20.6 (17.7–23.9)	23.4 (20.1–27.1)	27.7 (23.8–32.2)	31.1 (26.5–36.2)	35.3 (28.9–42.0)	38.3 (30.8–46.3)	41.1 (32.0–50.9)	43.6 (32.7–55.6)	46.6 (33.6–61.2)	48.5 (34.4–65.4)

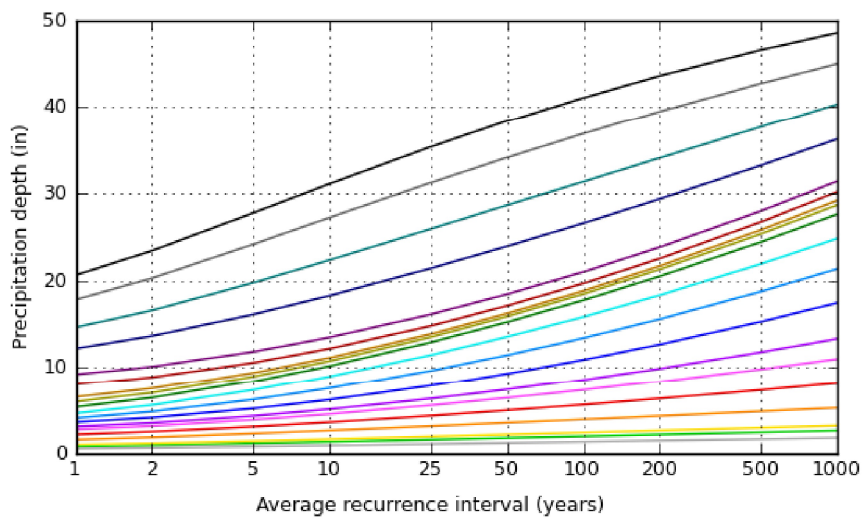
¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS). Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

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PF graphical

PDS-based depth-duration-frequency (DDF) curves
Latitude: 26.0693°, Longitude: -80.1959°

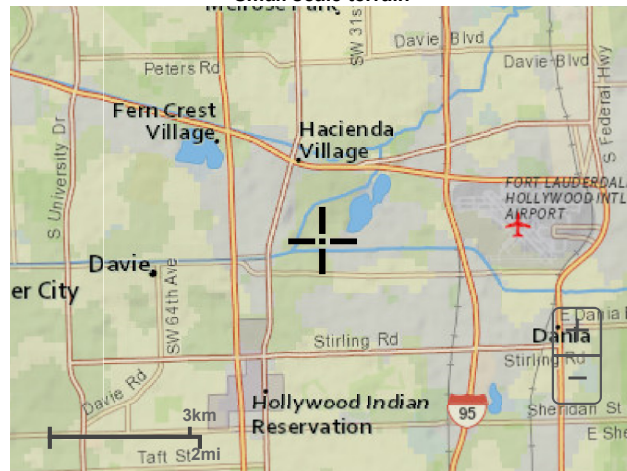
Average recurrence interval (years)
1
2
5
10
25
50
100
200
500
1000



Duration	
5-min	2-day
10-min	3-day
15-min	4-day
30-min	7-day
60-min	10-day
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3-hr	30-day
6-hr	45-day
12-hr	60-day
24-hr	

Maps & aerals

Small scale terrain

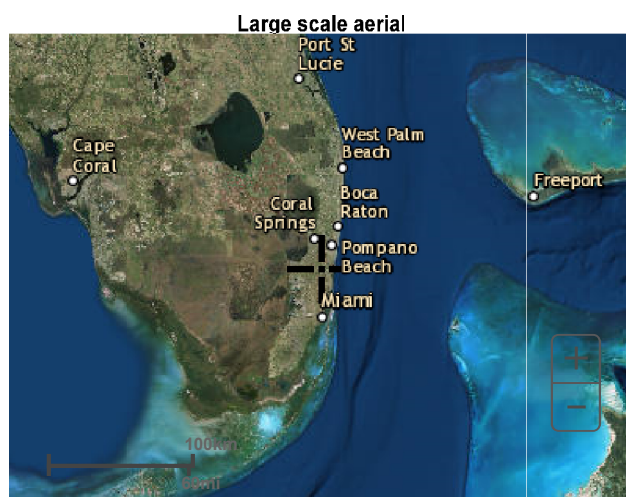


Large scale terrain



Large scale map





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[National Water Center](#)
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

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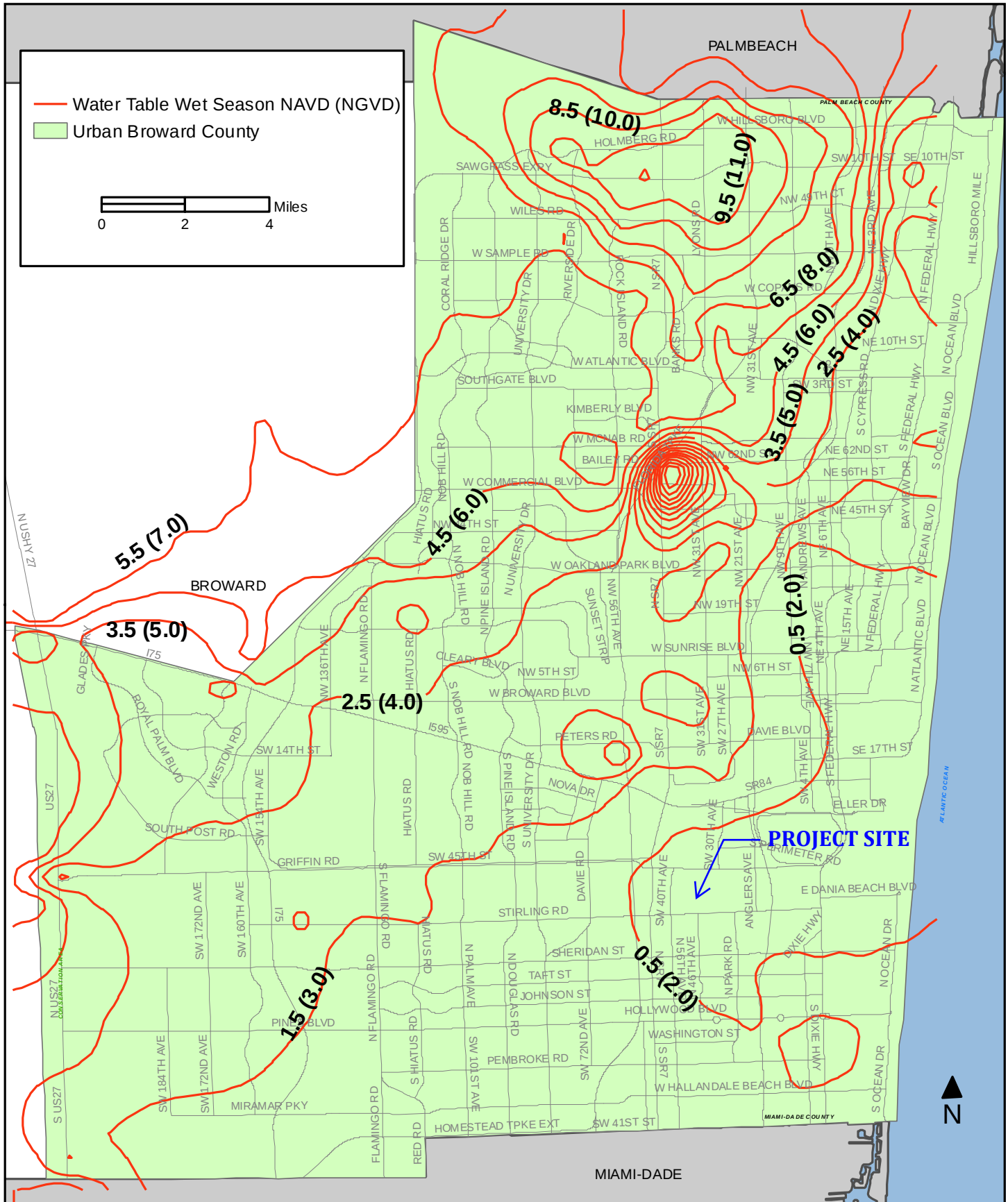
Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1102
Title: Main Plant Area Post-
Development Storm Water
Analysis

Prepared By: Orinta Jankauskaite
Date 6 June 2017
Verified By: J C Barranco Jr

Attachment 2
Broward County Average Wet Season Water Table Map



WATER TABLE MAP - AVERAGE WET SEASON

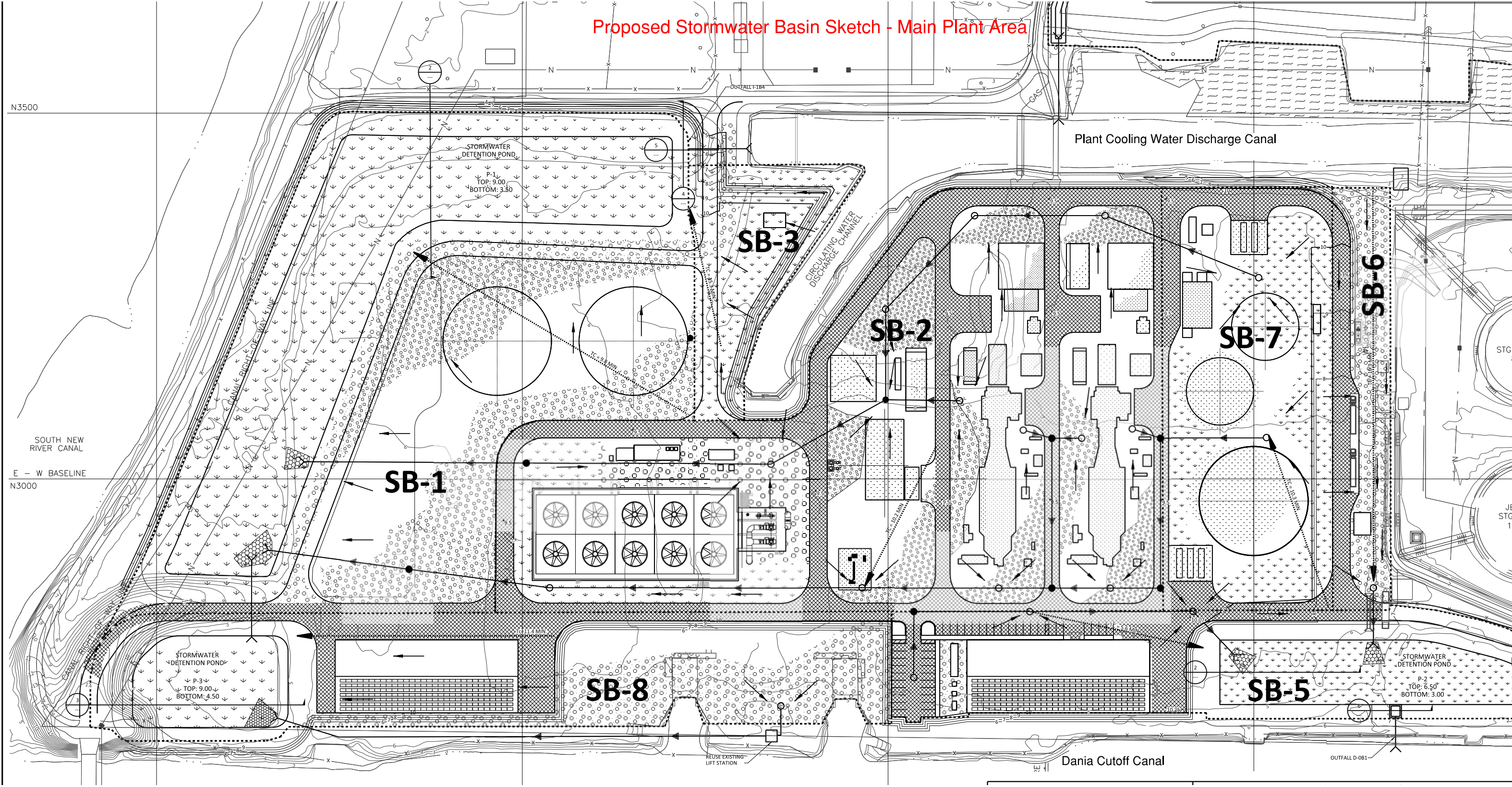


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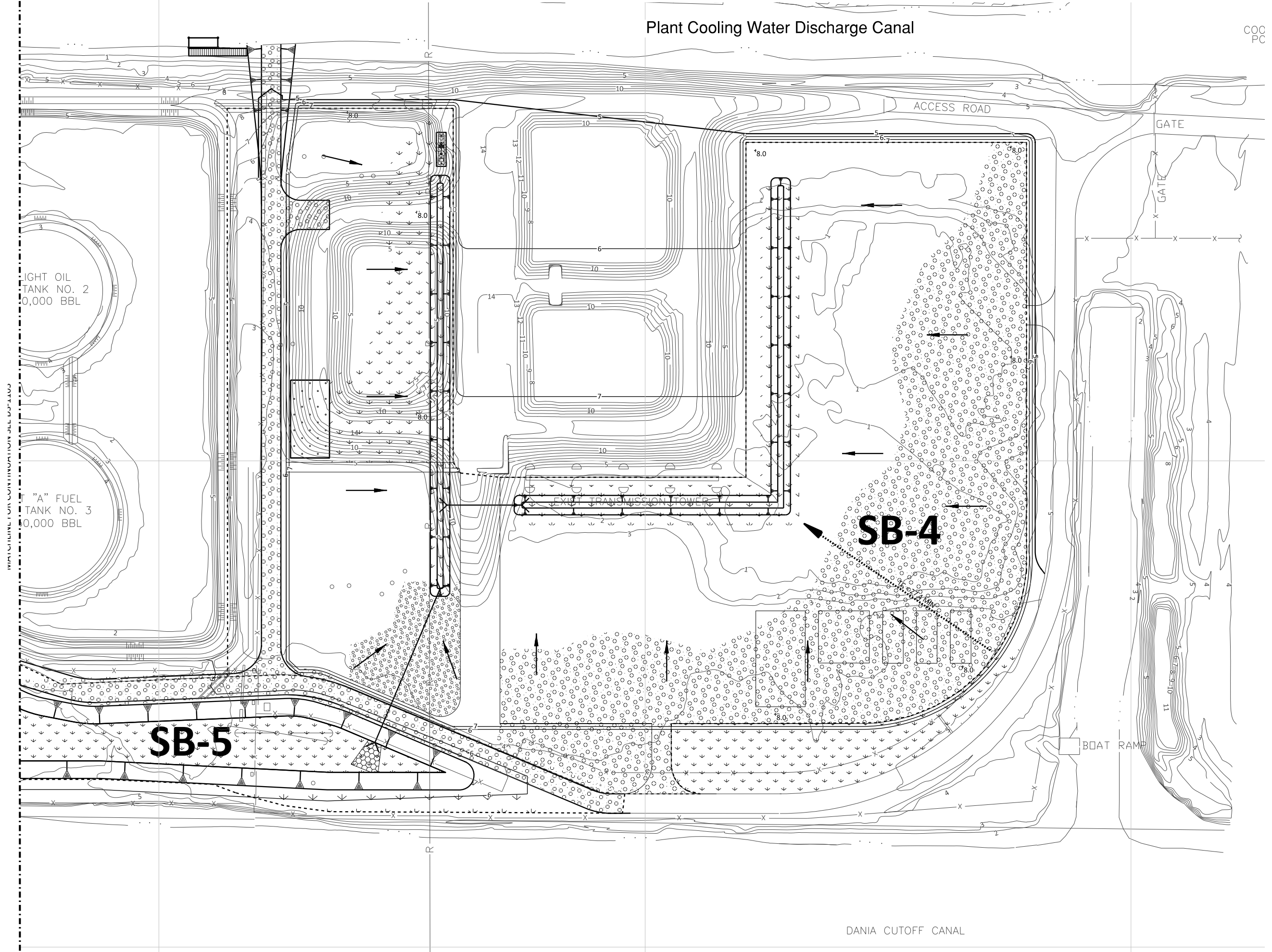
Prepared By: Orinta Jankauskaite
Date 6 June 2017
Verified By: J C Barranco Jr

Attachment 3

Basin Sketch



Proposed Stormwater Basin Sketch - Craft Parking and Laydown Area

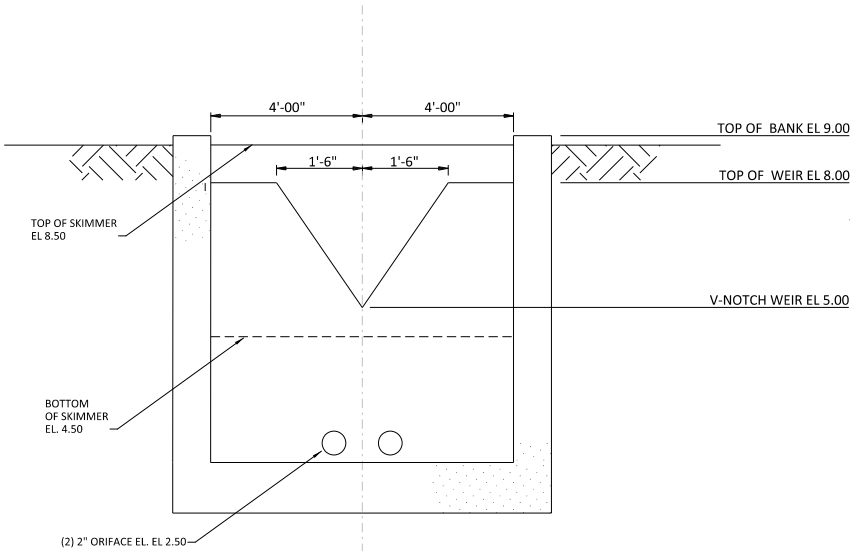


Client: FPL
Project: DBEC - Unit 7
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Title: Main Plant Area Post-
Development Storm Water
Analysis

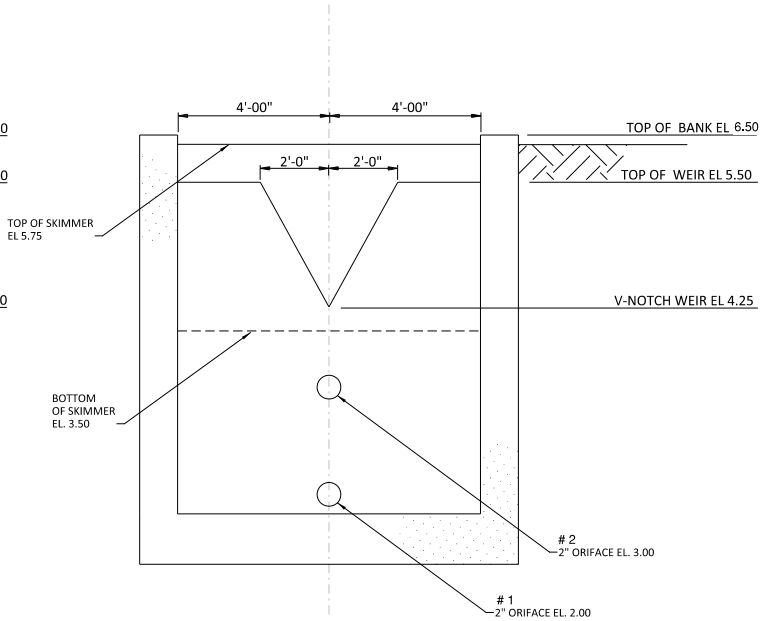
Prepared By: Orinta Jankauskaite
Date 6 June 2017
Verified By: J C Barranco Jr

Attachment 4
Detail Sketch

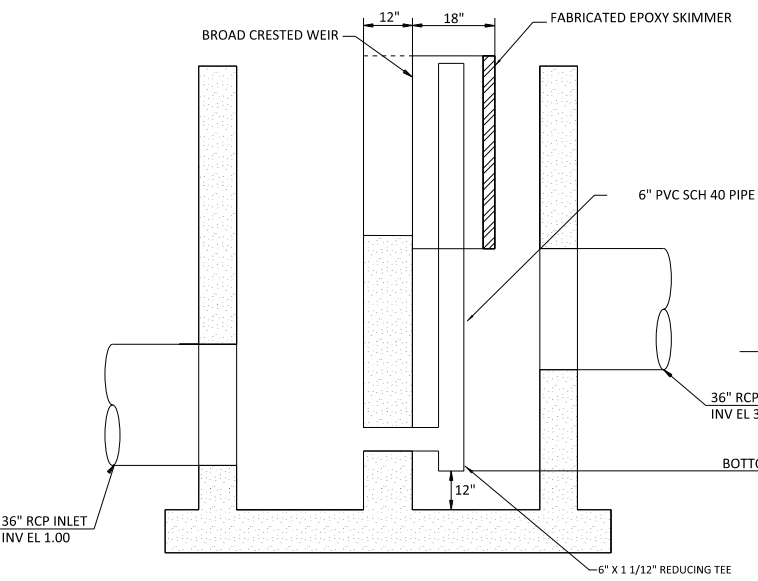
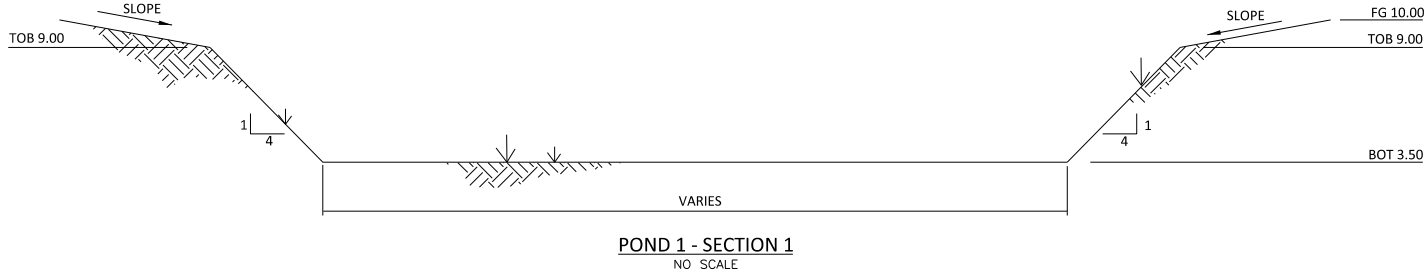
Detail Sketches



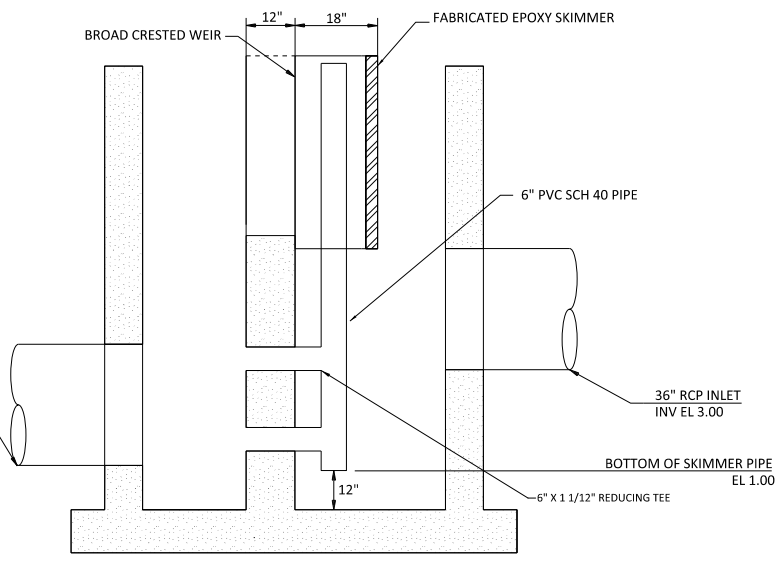
SECTION - 4
P-1 STORMWATER DISCHARGE STRUCTURE DETAIL
NO SCALE



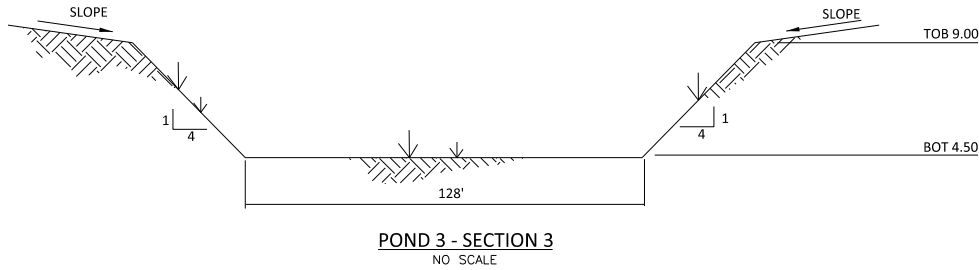
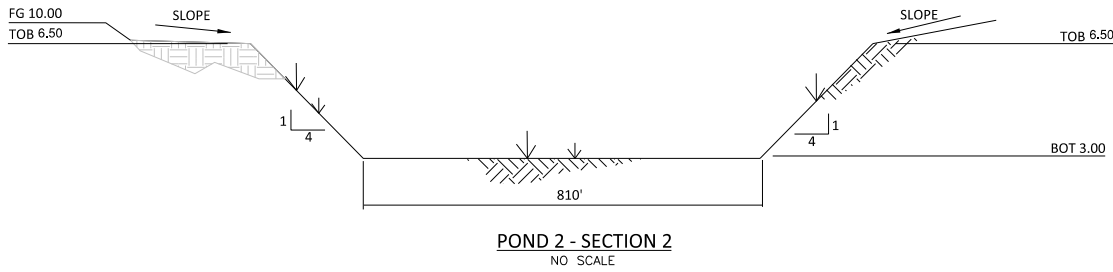
SECTION - 6
P-2 STORMWATER DISCHARGE STRUCTURE DETAIL
NO SCALE



SECTION - 5
P-1 STORMWATER DISCHARGE STRUCTURE DETAIL
NO SCALE



SECTION - 7
P-2 STORMWATER DISCHARGE STRUCTURE DETAIL
NO SCALE



Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1102
Title: Main Plant Area Post-
Development Storm Water
Analysis

Prepared By: Orinta Jankauskaite
Date 6 June 2017
Verified By: J C Barranco Jr

Attachment 5

Terramodel Earthwork Report

Pond 1 Volume Report

SURFACE TO DATUM VOLUME REPORT

Trimble
5475 Kellenburger Road
Dayton, Ohio 45424-1099, USA
1-937-233-8921

Project: M:\Jankauskaite\Dania Beach Combined Cycle\Proposed
Stormwater\

Pond 1 Volume.pro

Report Generated: Thursday, March 30, 2017 10:50:35 AM

Where the DTM surface is above the datum the volume is reported as fill.
Where the DTM surface is below the datum the volume is reported as excavation.

Shrinkage/swell factors: Excavation 1.0000 Fill 1.0000

DTM Surface Layer Name	Number of Points	Datum Elevation
DTM_POND1	147	9.00

Treatment Volume
Provided:
6,793 CY = 4.21 ac-ft

	Elev Range (ft)	Cut Volume (Cu. Yd.)	Cut Volume (Cu. Ft.)
	3.50 > 4.00	2,067.5	55,823
	4.00 > 5.00	4,725.7	127,594
	5.00 > 6.00	5,125.0	138,375
	6.00 > 7.00	5,463.3	147,509
	7.00 > 8.00	5,803.8	156,703
	8.00 > 9.00	6,259.7	169,012

Invert Elevation of V-Notch
Weir : EL 5 ft-NAVD 88

Excavation Volume Beneath Datum (Cu. Yd.)	Fill Volume Above Datum (Cu. Yd.)
29,445.0	0.0

Net Difference: 29,445.0 Cu. Yd. excess volume beneath datum

Pond 2 Volume Report

SURFACE TO DATUM VOLUME REPORT

Trimble
5475 Kellenburger Road
Dayton, Ohio 45424-1099, USA
1-937-233-8921

Project: M:\Jankauskaite\Dania Beach Combined Cycle\Proposed
Stormwater\
Proposed Stormwater Report\Report and Attachments\Rev 1\
Pond 2 Volume Every Quarter of Foot.pro
Report Generated: Friday, June 02, 2017 9:27:55 AM

Where the DTM surface is above the datum the volume is reported as fill.
Where the DTM surface is below the datum the volume is reported as excavation.

Shrinkage/swell factors: Excavation 1.0000 Fill 1.0000

DTM Surface Layer Name	Number of Points	Datum Elevation		
DTM_POND2	216	6.50		
	Elev Range (ft)	Cut Volume (Cu. Yd.)	Fill Volume (Cu. Yd.)	
	3.00 > 3.25	579.9	0.0	
	3.25 > 3.50	600.6	0.0	
	3.50 > 3.75	620.1	0.0	
	3.75 > 4.00	638.5	0.0	
	4.00 > 4.25	655.9	0.0	
	4.25 > 4.50	673.2	0.0	
	4.50 > 4.75	690.5	0.0	
	4.75 > 5.00	707.9	0.0	
	5.00 > 5.25	725.3	0.0	
	5.25 > 5.50	742.7	0.0	
	5.50 > 5.75	760.2	0.0	
	5.75 > 6.00	777.7	0.0	
	6.00 > 6.25	795.3	0.0	
	6.25 > 6.50	813.1	0.0	

Invert Elevation of V-Notch
Weir : EL 4.25 ft-NAVD 88

Treatment Volume
Provided:
3,095 CY= 1.92 ac-ft

Excavation Volume Beneath Datum (Cu. Yd.)	Fill Volume Above Datum(Cu. Yd.)
--	-------------------------------------

9,780.5

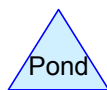
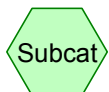
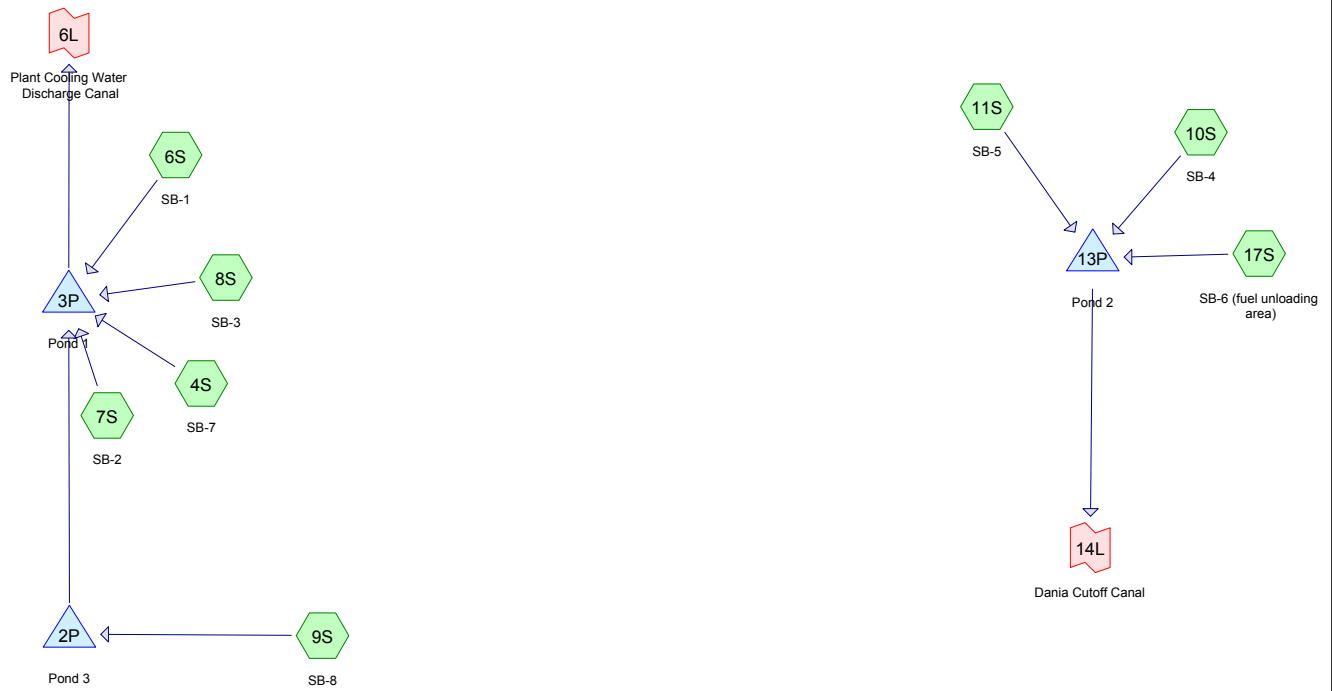
0.0

Net Difference: 9,780.5 Cu. Yd. excess volume beneath datum

Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1102
Title: Main Plant Area Post-
Development Storm Water
Analysis

Prepared By: Orinta Jankauskaite
Date 6 June 2017
Verified By: J C Barranco Jr

Attachment 6
HydroCAD 25 year- 72 hour Design Storm



Proposed Stormwater Model REV 1

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Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
6.180	74	>75% Grass cover, Good, HSG C (4S, 6S, 7S, 8S, 10S, 11S)
21.310	98	Gravel surface, HSG C (4S, 6S, 7S, 9S, 10S, 11S, 17S)
0.880	98	Paved parking, HSG C (11S)
0.910	98	Paved road, HSG C (4S, 9S, 17S)
2.280	98	Paved roadway, HSG C (7S)
1.350	98	Roofs, HSG C (4S, 10S, 11S)
6.810	98	Water Surface, HSG C (6S, 9S, 11S)
39.720	94	TOTAL AREA

Proposed Stormwater Model REV 1

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Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
39.720	HSG C	4S, 6S, 7S, 8S, 9S, 10S, 11S, 17S
0.000	HSG D	
0.000	Other	
39.720		TOTAL AREA

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Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	6.180	0.000	0.000	6.180	>75% Grass cover, Good	4S, 6S, 7S, 8S, 10S, 11S
0.000	0.000	21.310	0.000	0.000	21.310	Gravel surface	4S, 6S, 7S, 9S, 10S, 11S, 17S
0.000	0.000	0.880	0.000	0.000	0.880	Paved parking	11S
0.000	0.000	0.910	0.000	0.000	0.910	Paved road	4S, 9S, 17S
0.000	0.000	2.280	0.000	0.000	2.280	Paved roadway	7S
0.000	0.000	1.350	0.000	0.000	1.350	Roofs	4S, 10S, 11S
0.000	0.000	6.810	0.000	0.000	6.810	Water Surface	6S, 9S, 11S
0.000	0.000	39.720	0.000	0.000	39.720	TOTAL AREA	

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Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	4S	0.00	0.00	1,200.0	0.0040	0.013	18.0	0.0	0.0
2	7S	0.00	0.00	1,100.0	0.0040	0.010	18.0	0.0	0.0
3	10S	0.00	0.00	100.0	0.0025	0.013	12.0	0.0	0.0
4	2P	4.50	3.75	100.0	0.0075	0.013	12.0	0.0	0.0

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Prepared by Black & Veatch

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Time span=0.00-150.00 hrs, dt=0.50 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment4S: SB-7 Runoff Area=3.090 ac 38.19% Impervious Runoff Depth=11.32"
Flow Length=1,500' Tc=10.3 min CN=83 Runoff=17.54 cfs 2.916 af

Subcatchment6S: SB-1 Runoff Area=9.050 ac 93.37% Impervious Runoff Depth=13.02"
Flow Length=531' Slope=0.0025 '/' Tc=9.8 min CN=96 Runoff=53.05 cfs 9.820 af

Subcatchment7S: SB-2 Runoff Area=8.550 ac 94.74% Impervious Runoff Depth=13.14"
Flow Length=1,360' Tc=7.0 min CN=97 Runoff=47.46 cfs 9.365 af

Subcatchment8S: SB-3 Runoff Area=1.050 ac 0.00% Impervious Runoff Depth=10.04"
Flow Length=252' Slope=0.0025 '/' Tc=35.3 min CN=74 Runoff=3.84 cfs 0.879 af

Subcatchment9S: SB-8 Runoff Area=3.790 ac 100.00% Impervious Runoff Depth=13.27"
Flow Length=610' Slope=0.0025 '/' Tc=11.4 min CN=98 Runoff=22.66 cfs 4.190 af

Subcatchment10S: SB-4 Runoff Area=9.010 ac 77.80% Impervious Runoff Depth=12.64"
Flow Length=1,410' Tc=27.4 min CN=93 Runoff=43.57 cfs 9.492 af

Subcatchment11S: SB-5 Runoff Area=4.130 ac 95.88% Impervious Runoff Depth=13.14"
Flow Length=552' Tc=5.6 min CN=97 Runoff=22.05 cfs 4.524 af

Subcatchment17S: SB-6 (fuel unloading) Runoff Area=1.050 ac 100.00% Impervious Runoff Depth=13.27"
Flow Length=550' Slope=0.0025 '/' Tc=10.2 min CN=98 Runoff=6.20 cfs 1.161 af

Pond 2P: Pond 3 Peak Elev=7.68' Storage=90,737 cf Inflow=22.66 cfs 4.190 af
12.0" Round Culvert n=0.013 L=100.0' S=0.0075 '/' Outflow=2.88 cfs 4.098 af

Pond 3P: Pond 1 Peak Elev=7.35' Storage=523,751 cf Inflow=123.94 cfs 27.078 af
Outflow=45.37 cfs 24.073 af

Pond 13P: Pond 2 Peak Elev=5.91' Storage=213,567 cf Inflow=70.99 cfs 15.177 af
Outflow=46.88 cfs 14.556 af

Link 6L: Plant Cooling Water Discharge Canal Inflow=45.37 cfs 24.073 af
Primary=45.37 cfs 24.073 af

Link 14L: Dania Cutoff Canal Inflow=46.88 cfs 14.556 af
Primary=46.88 cfs 14.556 af

Total Runoff Area = 39.720 ac Runoff Volume = 42.346 af Average Runoff Depth = 12.79"
15.56% Pervious = 6.180 ac 84.44% Impervious = 33.540 ac

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Summary for Subcatchment 4S: SB-7

Runoff = 17.54 cfs @ 59.99 hrs, Volume= 2.916 af, Depth=11.32"

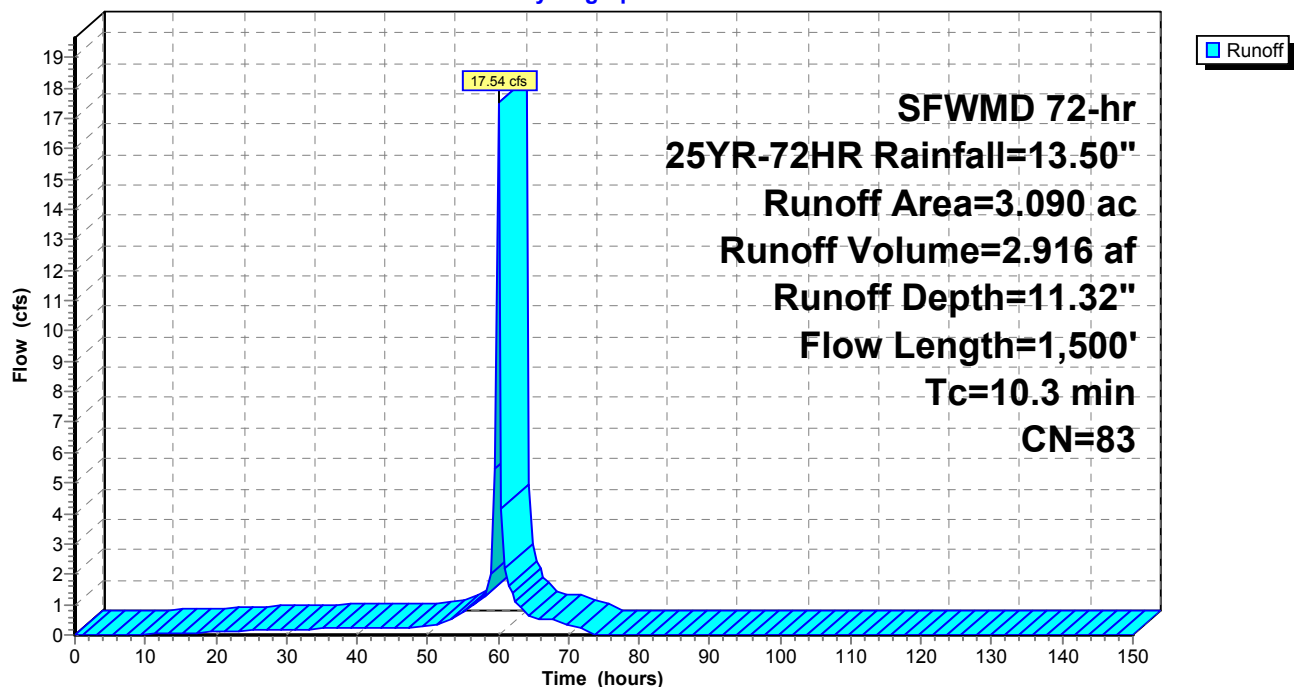
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
* 0.260	98	Paved road, HSG C
* 0.400	98	Gravel surface, HSG C
0.520	98	Roofs, HSG C
1.910	74	>75% Grass cover, Good, HSG C
3.090	83	Weighted Average
1.910		61.81% Pervious Area
1.180		38.19% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	300	0.0025	1.00		Sheet Flow, Overland Flow Smooth surfaces n= 0.011 P2= 5.70"
5.3	1,200	0.0040	3.76	6.64	Pipe Channel, Catch Basin System 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.013 Corrugated PE, smooth interior
10.3	1,500	Total			

Subcatchment 4S: SB-7

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 4S: SB-7

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	1.61	0.44	0.16
0.50	0.03	0.00	0.00	26.50	1.65	0.47	0.16
1.00	0.06	0.00	0.00	27.00	1.70	0.50	0.17
1.50	0.09	0.00	0.00	27.50	1.74	0.52	0.17
2.00	0.12	0.00	0.00	28.00	1.78	0.55	0.18
2.50	0.15	0.00	0.00	28.50	1.83	0.58	0.18
3.00	0.18	0.00	0.00	29.00	1.88	0.61	0.19
3.50	0.21	0.00	0.00	29.50	1.92	0.64	0.19
4.00	0.24	0.00	0.00	30.00	1.97	0.67	0.22
4.50	0.27	0.00	0.00	30.50	2.02	0.71	0.19
5.00	0.30	0.00	0.00	31.00	2.06	0.74	0.19
5.50	0.33	0.00	0.00	31.50	2.11	0.77	0.19
6.00	0.36	0.00	0.00	32.00	2.15	0.80	0.19
6.50	0.39	0.00	0.00	32.50	2.20	0.83	0.19
7.00	0.43	0.00	0.00	33.00	2.24	0.86	0.20
7.50	0.46	0.00	0.01	33.50	2.28	0.90	0.20
8.00	0.49	0.00	0.01	34.00	2.33	0.93	0.20
8.50	0.52	0.01	0.02	34.50	2.37	0.96	0.20
9.00	0.55	0.01	0.02	35.00	2.42	0.99	0.20
9.50	0.58	0.01	0.03	35.50	2.46	1.02	0.20
10.00	0.61	0.02	0.03	36.00	2.50	1.06	0.21
10.50	0.64	0.02	0.03	36.50	2.55	1.09	0.21
11.00	0.67	0.03	0.04	37.00	2.59	1.12	0.21
11.50	0.70	0.04	0.04	37.50	2.63	1.16	0.21
12.00	0.73	0.04	0.05	38.00	2.68	1.19	0.21
12.50	0.76	0.05	0.05	38.50	2.72	1.23	0.21
13.00	0.79	0.06	0.05	39.00	2.77	1.26	0.21
13.50	0.82	0.07	0.06	39.50	2.81	1.30	0.22
14.00	0.85	0.08	0.06	40.00	2.85	1.33	0.22
14.50	0.88	0.09	0.06	40.50	2.90	1.36	0.22
15.00	0.91	0.10	0.07	41.00	2.94	1.40	0.22
15.50	0.94	0.11	0.07	41.50	2.99	1.43	0.22
16.00	0.97	0.12	0.07	42.00	3.03	1.47	0.22
16.50	1.00	0.13	0.07	42.50	3.07	1.51	0.22
17.00	1.03	0.15	0.08	43.00	3.12	1.54	0.22
17.50	1.06	0.16	0.08	43.50	3.16	1.58	0.22
18.00	1.09	0.17	0.08	44.00	3.20	1.61	0.22
18.50	1.12	0.18	0.08	44.50	3.25	1.65	0.23
19.00	1.15	0.20	0.09	45.00	3.29	1.69	0.23
19.50	1.18	0.21	0.09	45.50	3.34	1.72	0.23
20.00	1.21	0.23	0.09	46.00	3.38	1.76	0.23
20.50	1.25	0.24	0.09	46.50	3.42	1.80	0.23
21.00	1.28	0.26	0.10	47.00	3.47	1.83	0.23
21.50	1.31	0.27	0.10	47.50	3.51	1.87	0.23
22.00	1.34	0.29	0.10	48.00	3.56	1.91	0.27
22.50	1.37	0.30	0.10	48.50	3.61	1.95	0.26
23.00	1.40	0.32	0.10	49.00	3.66	2.00	0.26
23.50	1.43	0.34	0.10	49.50	3.71	2.04	0.27
24.00	1.46	0.35	0.11	50.00	3.76	2.08	0.29
24.50	1.49	0.37	0.14	50.50	3.82	2.13	0.31
25.00	1.53	0.39	0.15	51.00	3.88	2.19	0.33
25.50	1.57	0.42	0.15	51.50	3.95	2.24	0.35

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 4S: SB-7 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	4.01	2.30	0.37	78.00	13.50	11.32	0.00
52.50	4.10	2.37	0.45	78.50	13.50	11.32	0.00
53.00	4.19	2.45	0.50	79.00	13.50	11.32	0.00
53.50	4.28	2.54	0.55	79.50	13.50	11.32	0.00
54.00	4.39	2.63	0.60	80.00	13.50	11.32	0.00
54.50	4.51	2.74	0.67	80.50	13.50	11.32	0.00
55.00	4.64	2.85	0.73	81.00	13.50	11.32	0.00
55.50	4.78	2.98	0.79	81.50	13.50	11.32	0.00
56.00	4.93	3.11	0.85	82.00	13.50	11.32	0.00
56.50	5.10	3.26	0.96	82.50	13.50	11.32	0.00
57.00	5.28	3.43	1.05	83.00	13.50	11.32	0.00
57.50	5.47	3.61	1.13	83.50	13.50	11.32	0.00
58.00	5.68	3.80	1.22	84.00	13.50	11.32	0.00
58.50	5.92	4.02	1.44	84.50	13.50	11.32	0.00
59.00	6.24	4.31	2.04	85.00	13.50	11.32	0.00
59.50	6.74	4.78	5.47	85.50	13.50	11.32	0.00
60.00	10.08	7.98	17.53	86.00	13.50	11.32	0.00
60.50	10.81	8.69	4.14	86.50	13.50	11.32	0.00
61.00	11.19	9.06	2.21	87.00	13.50	11.32	0.00
61.50	11.46	9.32	1.61	87.50	13.50	11.32	0.00
62.00	11.69	9.55	1.36	88.00	13.50	11.32	0.00
62.50	11.87	9.72	1.07	88.50	13.50	11.32	0.00
63.00	12.03	9.88	0.97	89.00	13.50	11.32	0.00
63.50	12.18	10.02	0.87	89.50	13.50	11.32	0.00
64.00	12.31	10.15	0.73	90.00	13.50	11.32	0.00
64.50	12.40	10.24	0.55	90.50	13.50	11.32	0.00
65.00	12.49	10.33	0.54	91.00	13.50	11.32	0.00
65.50	12.58	10.41	0.54	91.50	13.50	11.32	0.00
66.00	12.66	10.50	0.55	92.00	13.50	11.32	0.00
66.50	12.75	10.59	0.54	92.50	13.50	11.32	0.00
67.00	12.84	10.68	0.56	93.00	13.50	11.32	0.00
67.50	12.94	10.77	0.57	93.50	13.50	11.32	0.00
68.00	13.02	10.85	0.48	94.00	13.50	11.32	0.00
68.50	13.08	10.91	0.36	94.50	13.50	11.32	0.00
69.00	13.14	10.97	0.36	95.00	13.50	11.32	0.00
69.50	13.20	11.03	0.36	95.50	13.50	11.32	0.00
70.00	13.26	11.08	0.36	96.00	13.50	11.32	0.00
70.50	13.32	11.14	0.36	96.50	13.50	11.32	0.00
71.00	13.38	11.20	0.36	97.00	13.50	11.32	0.00
71.50	13.44	11.26	0.36	97.50	13.50	11.32	0.00
72.00	13.50	11.32	0.30	98.00	13.50	11.32	0.00
72.50	13.50	11.32	0.01	98.50	13.50	11.32	0.00
73.00	13.50	11.32	0.00	99.00	13.50	11.32	0.00
73.50	13.50	11.32	0.00	99.50	13.50	11.32	0.00
74.00	13.50	11.32	0.00	100.00	13.50	11.32	0.00
74.50	13.50	11.32	0.00	100.50	13.50	11.32	0.00
75.00	13.50	11.32	0.00	101.00	13.50	11.32	0.00
75.50	13.50	11.32	0.00	101.50	13.50	11.32	0.00
76.00	13.50	11.32	0.00	102.00	13.50	11.32	0.00
76.50	13.50	11.32	0.00	102.50	13.50	11.32	0.00
77.00	13.50	11.32	0.00	103.00	13.50	11.32	0.00
77.50	13.50	11.32	0.00	103.50	13.50	11.32	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 4S: SB-7 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	13.50	11.32	0.00	130.00	13.50	11.32	0.00
104.50	13.50	11.32	0.00	130.50	13.50	11.32	0.00
105.00	13.50	11.32	0.00	131.00	13.50	11.32	0.00
105.50	13.50	11.32	0.00	131.50	13.50	11.32	0.00
106.00	13.50	11.32	0.00	132.00	13.50	11.32	0.00
106.50	13.50	11.32	0.00	132.50	13.50	11.32	0.00
107.00	13.50	11.32	0.00	133.00	13.50	11.32	0.00
107.50	13.50	11.32	0.00	133.50	13.50	11.32	0.00
108.00	13.50	11.32	0.00	134.00	13.50	11.32	0.00
108.50	13.50	11.32	0.00	134.50	13.50	11.32	0.00
109.00	13.50	11.32	0.00	135.00	13.50	11.32	0.00
109.50	13.50	11.32	0.00	135.50	13.50	11.32	0.00
110.00	13.50	11.32	0.00	136.00	13.50	11.32	0.00
110.50	13.50	11.32	0.00	136.50	13.50	11.32	0.00
111.00	13.50	11.32	0.00	137.00	13.50	11.32	0.00
111.50	13.50	11.32	0.00	137.50	13.50	11.32	0.00
112.00	13.50	11.32	0.00	138.00	13.50	11.32	0.00
112.50	13.50	11.32	0.00	138.50	13.50	11.32	0.00
113.00	13.50	11.32	0.00	139.00	13.50	11.32	0.00
113.50	13.50	11.32	0.00	139.50	13.50	11.32	0.00
114.00	13.50	11.32	0.00	140.00	13.50	11.32	0.00
114.50	13.50	11.32	0.00	140.50	13.50	11.32	0.00
115.00	13.50	11.32	0.00	141.00	13.50	11.32	0.00
115.50	13.50	11.32	0.00	141.50	13.50	11.32	0.00
116.00	13.50	11.32	0.00	142.00	13.50	11.32	0.00
116.50	13.50	11.32	0.00	142.50	13.50	11.32	0.00
117.00	13.50	11.32	0.00	143.00	13.50	11.32	0.00
117.50	13.50	11.32	0.00	143.50	13.50	11.32	0.00
118.00	13.50	11.32	0.00	144.00	13.50	11.32	0.00
118.50	13.50	11.32	0.00	144.50	13.50	11.32	0.00
119.00	13.50	11.32	0.00	145.00	13.50	11.32	0.00
119.50	13.50	11.32	0.00	145.50	13.50	11.32	0.00
120.00	13.50	11.32	0.00	146.00	13.50	11.32	0.00
120.50	13.50	11.32	0.00	146.50	13.50	11.32	0.00
121.00	13.50	11.32	0.00	147.00	13.50	11.32	0.00
121.50	13.50	11.32	0.00	147.50	13.50	11.32	0.00
122.00	13.50	11.32	0.00	148.00	13.50	11.32	0.00
122.50	13.50	11.32	0.00	148.50	13.50	11.32	0.00
123.00	13.50	11.32	0.00	149.00	13.50	11.32	0.00
123.50	13.50	11.32	0.00	149.50	13.50	11.32	0.00
124.00	13.50	11.32	0.00	150.00	13.50	11.32	0.00
124.50	13.50	11.32	0.00				
125.00	13.50	11.32	0.00				
125.50	13.50	11.32	0.00				
126.00	13.50	11.32	0.00				
126.50	13.50	11.32	0.00				
127.00	13.50	11.32	0.00				
127.50	13.50	11.32	0.00				
128.00	13.50	11.32	0.00				
128.50	13.50	11.32	0.00				
129.00	13.50	11.32	0.00				
129.50	13.50	11.32	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Summary for Subcatchment 6S: SB-1

Runoff = 53.05 cfs @ 59.98 hrs, Volume= 9.820 af, Depth=13.02"

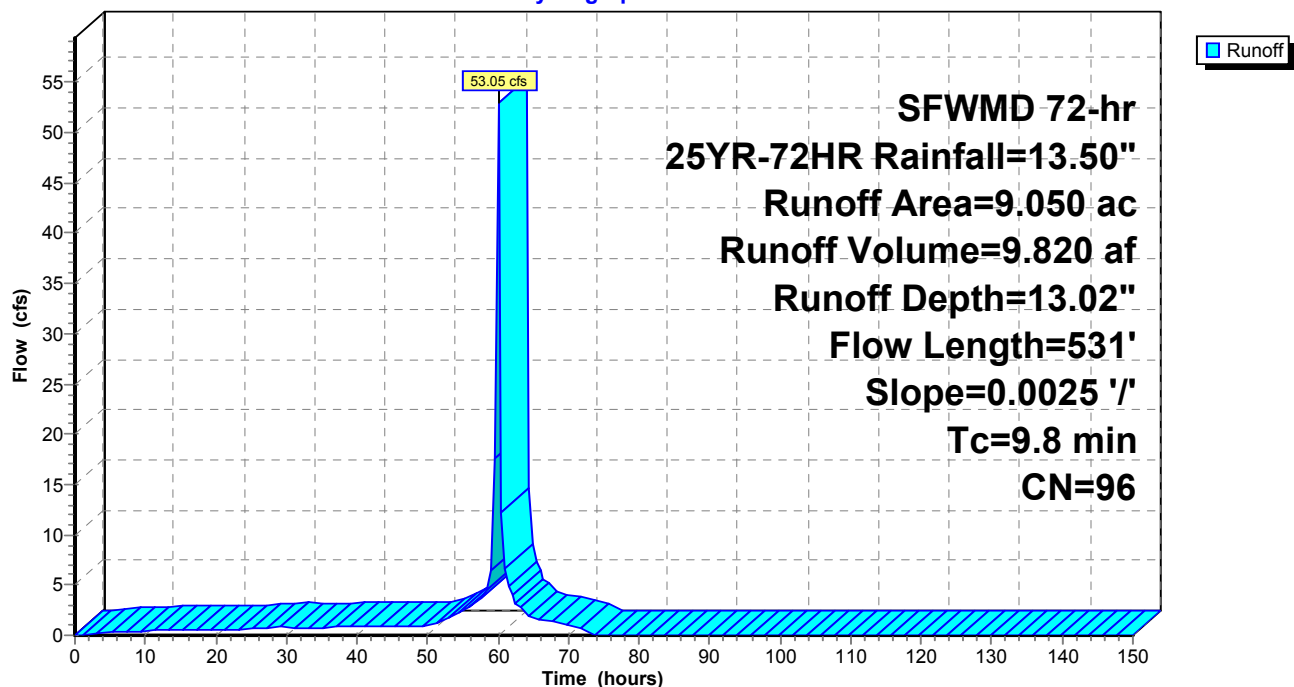
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
* 4.470	98	Gravel surface, HSG C
0.600	74	>75% Grass cover, Good, HSG C
3.980	98	Water Surface, HSG C
9.050	96	Weighted Average
0.600		6.63% Pervious Area
8.450		93.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	300	0.0025	1.00		Sheet Flow, Overland Flow Smooth surfaces n= 0.011 P2= 5.70"
4.8	231	0.0025	0.80		Shallow Concentrated Flow, Overland Flow Unpaved Kv= 16.1 fps
9.8	531	Total			

Subcatchment 6S: SB-1

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 6S: SB-1

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	1.61	1.20	0.73
0.50	0.03	0.00	0.00	26.50	1.65	1.24	0.74
1.00	0.06	0.00	0.00	27.00	1.70	1.28	0.76
1.50	0.09	0.00	0.01	27.50	1.74	1.32	0.77
2.00	0.12	0.00	0.07	28.00	1.78	1.37	0.78
2.50	0.15	0.01	0.13	28.50	1.83	1.41	0.80
3.00	0.18	0.02	0.18	29.00	1.88	1.45	0.81
3.50	0.21	0.03	0.22	29.50	1.92	1.50	0.83
4.00	0.24	0.04	0.25	30.00	1.97	1.55	0.93
4.50	0.27	0.06	0.28	30.50	2.02	1.59	0.79
5.00	0.30	0.08	0.31	31.00	2.06	1.64	0.78
5.50	0.33	0.09	0.33	31.50	2.11	1.68	0.78
6.00	0.36	0.11	0.35	32.00	2.15	1.72	0.78
6.50	0.39	0.13	0.37	32.50	2.20	1.76	0.78
7.00	0.43	0.15	0.38	33.00	2.24	1.81	0.78
7.50	0.46	0.18	0.40	33.50	2.28	1.85	0.78
8.00	0.49	0.20	0.41	34.00	2.33	1.89	0.78
8.50	0.52	0.22	0.42	34.50	2.37	1.94	0.78
9.00	0.55	0.24	0.43	35.00	2.42	1.98	0.78
9.50	0.58	0.27	0.44	35.50	2.46	2.02	0.78
10.00	0.61	0.29	0.44	36.00	2.50	2.06	0.78
10.50	0.64	0.32	0.45	36.50	2.55	2.11	0.78
11.00	0.67	0.34	0.46	37.00	2.59	2.15	0.78
11.50	0.70	0.37	0.46	37.50	2.63	2.19	0.78
12.00	0.73	0.39	0.47	38.00	2.68	2.24	0.79
12.50	0.76	0.42	0.47	38.50	2.72	2.28	0.79
13.00	0.79	0.44	0.48	39.00	2.77	2.32	0.79
13.50	0.82	0.47	0.48	39.50	2.81	2.37	0.79
14.00	0.85	0.50	0.48	40.00	2.85	2.41	0.79
14.50	0.88	0.52	0.49	40.50	2.90	2.45	0.79
15.00	0.91	0.55	0.49	41.00	2.94	2.49	0.79
15.50	0.94	0.58	0.49	41.50	2.99	2.54	0.79
16.00	0.97	0.61	0.50	42.00	3.03	2.58	0.79
16.50	1.00	0.63	0.50	42.50	3.07	2.62	0.79
17.00	1.03	0.66	0.50	43.00	3.12	2.67	0.79
17.50	1.06	0.69	0.50	43.50	3.16	2.71	0.79
18.00	1.09	0.72	0.51	44.00	3.20	2.75	0.79
18.50	1.12	0.74	0.51	44.50	3.25	2.80	0.79
19.00	1.15	0.77	0.51	45.00	3.29	2.84	0.79
19.50	1.18	0.80	0.51	45.50	3.34	2.88	0.79
20.00	1.21	0.83	0.51	46.00	3.38	2.93	0.79
20.50	1.25	0.86	0.52	46.50	3.42	2.97	0.79
21.00	1.28	0.88	0.52	47.00	3.47	3.01	0.79
21.50	1.31	0.91	0.52	47.50	3.51	3.06	0.79
22.00	1.34	0.94	0.52	48.00	3.56	3.10	0.93
22.50	1.37	0.97	0.52	48.50	3.61	3.16	0.90
23.00	1.40	1.00	0.52	49.00	3.66	3.21	0.90
23.50	1.43	1.03	0.52	49.50	3.71	3.25	0.90
24.00	1.46	1.05	0.53	50.00	3.76	3.30	0.98
24.50	1.49	1.08	0.68	50.50	3.82	3.36	1.05
25.00	1.53	1.12	0.70	51.00	3.88	3.42	1.11
25.50	1.57	1.16	0.71	51.50	3.95	3.49	1.16

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Prepared by Black & Veatch

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Hydrograph for Subcatchment 6S: SB-1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	4.01	3.55	1.25	78.00	13.50	13.01	0.00
52.50	4.10	3.64	1.52	78.50	13.50	13.01	0.00
53.00	4.19	3.72	1.67	79.00	13.50	13.01	0.00
53.50	4.28	3.82	1.81	79.50	13.50	13.01	0.00
54.00	4.39	3.93	1.98	80.00	13.50	13.01	0.00
54.50	4.51	4.05	2.20	80.50	13.50	13.01	0.00
55.00	4.64	4.18	2.38	81.00	13.50	13.01	0.00
55.50	4.78	4.31	2.56	81.50	13.50	13.01	0.00
56.00	4.93	4.46	2.75	82.00	13.50	13.01	0.00
56.50	5.10	4.63	3.10	82.50	13.50	13.01	0.00
57.00	5.28	4.81	3.35	83.00	13.50	13.01	0.00
57.50	5.47	5.00	3.60	83.50	13.50	13.01	0.00
58.00	5.68	5.21	3.87	84.00	13.50	13.01	0.00
58.50	5.92	5.45	4.54	84.50	13.50	13.01	0.00
59.00	6.24	5.76	6.45	85.00	13.50	13.01	0.00
59.50	6.74	6.26	17.52	85.50	13.50	13.01	0.00
60.00	10.08	9.60	53.01	86.00	13.50	13.01	0.00
60.50	10.81	10.32	12.26	86.50	13.50	13.01	0.00
61.00	11.19	10.70	6.59	87.00	13.50	13.01	0.00
61.50	11.46	10.97	4.82	87.50	13.50	13.01	0.00
62.00	11.69	11.21	4.05	88.00	13.50	13.01	0.00
62.50	11.87	11.38	3.20	88.50	13.50	13.01	0.00
63.00	12.03	11.55	2.90	89.00	13.50	13.01	0.00
63.50	12.18	11.69	2.61	89.50	13.50	13.01	0.00
64.00	12.31	11.82	2.18	90.00	13.50	13.01	0.00
64.50	12.40	11.91	1.63	90.50	13.50	13.01	0.00
65.00	12.49	12.00	1.62	91.00	13.50	13.01	0.00
65.50	12.58	12.09	1.62	91.50	13.50	13.01	0.00
66.00	12.66	12.18	1.65	92.00	13.50	13.01	0.00
66.50	12.75	12.27	1.63	92.50	13.50	13.01	0.00
67.00	12.84	12.36	1.67	93.00	13.50	13.01	0.00
67.50	12.94	12.45	1.68	93.50	13.50	13.01	0.00
68.00	13.02	12.54	1.43	94.00	13.50	13.01	0.00
68.50	13.08	12.60	1.09	94.50	13.50	13.01	0.00
69.00	13.14	12.66	1.08	95.00	13.50	13.01	0.00
69.50	13.20	12.71	1.08	95.50	13.50	13.01	0.00
70.00	13.26	12.77	1.08	96.00	13.50	13.01	0.00
70.50	13.32	12.83	1.08	96.50	13.50	13.01	0.00
71.00	13.38	12.89	1.08	97.00	13.50	13.01	0.00
71.50	13.44	12.95	1.08	97.50	13.50	13.01	0.00
72.00	13.50	13.01	0.88	98.00	13.50	13.01	0.00
72.50	13.50	13.01	0.02	98.50	13.50	13.01	0.00
73.00	13.50	13.01	0.00	99.00	13.50	13.01	0.00
73.50	13.50	13.01	0.00	99.50	13.50	13.01	0.00
74.00	13.50	13.01	0.00	100.00	13.50	13.01	0.00
74.50	13.50	13.01	0.00	100.50	13.50	13.01	0.00
75.00	13.50	13.01	0.00	101.00	13.50	13.01	0.00
75.50	13.50	13.01	0.00	101.50	13.50	13.01	0.00
76.00	13.50	13.01	0.00	102.00	13.50	13.01	0.00
76.50	13.50	13.01	0.00	102.50	13.50	13.01	0.00
77.00	13.50	13.01	0.00	103.00	13.50	13.01	0.00
77.50	13.50	13.01	0.00	103.50	13.50	13.01	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 6S: SB-1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	13.50	13.01	0.00	130.00	13.50	13.01	0.00
104.50	13.50	13.01	0.00	130.50	13.50	13.01	0.00
105.00	13.50	13.01	0.00	131.00	13.50	13.01	0.00
105.50	13.50	13.01	0.00	131.50	13.50	13.01	0.00
106.00	13.50	13.01	0.00	132.00	13.50	13.01	0.00
106.50	13.50	13.01	0.00	132.50	13.50	13.01	0.00
107.00	13.50	13.01	0.00	133.00	13.50	13.01	0.00
107.50	13.50	13.01	0.00	133.50	13.50	13.01	0.00
108.00	13.50	13.01	0.00	134.00	13.50	13.01	0.00
108.50	13.50	13.01	0.00	134.50	13.50	13.01	0.00
109.00	13.50	13.01	0.00	135.00	13.50	13.01	0.00
109.50	13.50	13.01	0.00	135.50	13.50	13.01	0.00
110.00	13.50	13.01	0.00	136.00	13.50	13.01	0.00
110.50	13.50	13.01	0.00	136.50	13.50	13.01	0.00
111.00	13.50	13.01	0.00	137.00	13.50	13.01	0.00
111.50	13.50	13.01	0.00	137.50	13.50	13.01	0.00
112.00	13.50	13.01	0.00	138.00	13.50	13.01	0.00
112.50	13.50	13.01	0.00	138.50	13.50	13.01	0.00
113.00	13.50	13.01	0.00	139.00	13.50	13.01	0.00
113.50	13.50	13.01	0.00	139.50	13.50	13.01	0.00
114.00	13.50	13.01	0.00	140.00	13.50	13.01	0.00
114.50	13.50	13.01	0.00	140.50	13.50	13.01	0.00
115.00	13.50	13.01	0.00	141.00	13.50	13.01	0.00
115.50	13.50	13.01	0.00	141.50	13.50	13.01	0.00
116.00	13.50	13.01	0.00	142.00	13.50	13.01	0.00
116.50	13.50	13.01	0.00	142.50	13.50	13.01	0.00
117.00	13.50	13.01	0.00	143.00	13.50	13.01	0.00
117.50	13.50	13.01	0.00	143.50	13.50	13.01	0.00
118.00	13.50	13.01	0.00	144.00	13.50	13.01	0.00
118.50	13.50	13.01	0.00	144.50	13.50	13.01	0.00
119.00	13.50	13.01	0.00	145.00	13.50	13.01	0.00
119.50	13.50	13.01	0.00	145.50	13.50	13.01	0.00
120.00	13.50	13.01	0.00	146.00	13.50	13.01	0.00
120.50	13.50	13.01	0.00	146.50	13.50	13.01	0.00
121.00	13.50	13.01	0.00	147.00	13.50	13.01	0.00
121.50	13.50	13.01	0.00	147.50	13.50	13.01	0.00
122.00	13.50	13.01	0.00	148.00	13.50	13.01	0.00
122.50	13.50	13.01	0.00	148.50	13.50	13.01	0.00
123.00	13.50	13.01	0.00	149.00	13.50	13.01	0.00
123.50	13.50	13.01	0.00	149.50	13.50	13.01	0.00
124.00	13.50	13.01	0.00	150.00	13.50	13.01	0.00
124.50	13.50	13.01	0.00				
125.00	13.50	13.01	0.00				
125.50	13.50	13.01	0.00				
126.00	13.50	13.01	0.00				
126.50	13.50	13.01	0.00				
127.00	13.50	13.01	0.00				
127.50	13.50	13.01	0.00				
128.00	13.50	13.01	0.00				
128.50	13.50	13.01	0.00				
129.00	13.50	13.01	0.00				
129.50	13.50	13.01	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Prepared by Black & Veatch

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Summary for Subcatchment 7S: SB-2

Runoff = 47.46 cfs @ 59.96 hrs, Volume= 9.365 af, Depth=13.14"

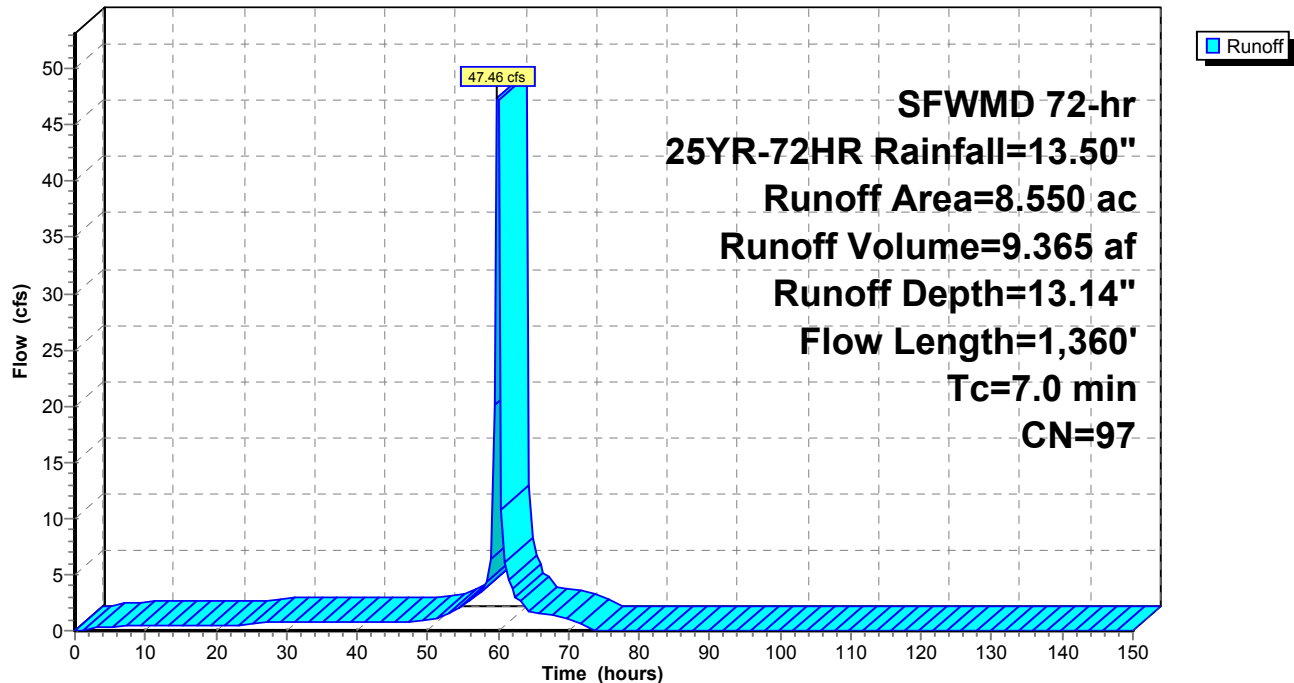
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
* 2.280	98	Paved roadway, HSG C
* 5.820	98	Gravel surface, HSG C
0.450	74	>75% Grass cover, Good, HSG C
8.550	97	Weighted Average
0.450		5.26% Pervious Area
8.100		94.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2	260	0.0060	1.37		Sheet Flow, Overland Flow to Catch Basins Smooth surfaces n= 0.011 P2= 5.70"
3.8	1,100	0.0040	4.89	8.64	Pipe Channel, Catch Basin System 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.010 PVC, smooth interior
7.0	1,360	Total			

Subcatchment 7S: SB-2

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 7S: SB-2

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	1.61	1.29	0.70
0.50	0.03	0.00	0.00	26.50	1.65	1.33	0.71
1.00	0.06	0.00	0.00	27.00	1.70	1.37	0.73
1.50	0.09	0.00	0.07	27.50	1.74	1.42	0.74
2.00	0.12	0.01	0.14	28.00	1.78	1.46	0.75
2.50	0.15	0.02	0.20	28.50	1.83	1.50	0.77
3.00	0.18	0.03	0.24	29.00	1.88	1.55	0.78
3.50	0.21	0.05	0.28	29.50	1.92	1.60	0.79
4.00	0.24	0.07	0.31	30.00	1.97	1.64	0.90
4.50	0.27	0.09	0.33	30.50	2.02	1.69	0.74
5.00	0.30	0.11	0.35	31.00	2.06	1.73	0.74
5.50	0.33	0.13	0.37	31.50	2.11	1.78	0.74
6.00	0.36	0.15	0.39	32.00	2.15	1.82	0.74
6.50	0.39	0.17	0.40	32.50	2.20	1.86	0.74
7.00	0.43	0.20	0.41	33.00	2.24	1.91	0.74
7.50	0.46	0.22	0.42	33.50	2.28	1.95	0.75
8.00	0.49	0.25	0.43	34.00	2.33	1.99	0.75
8.50	0.52	0.27	0.44	34.50	2.37	2.04	0.75
9.00	0.55	0.30	0.44	35.00	2.42	2.08	0.75
9.50	0.58	0.32	0.45	35.50	2.46	2.12	0.75
10.00	0.61	0.35	0.45	36.00	2.50	2.17	0.75
10.50	0.64	0.37	0.46	36.50	2.55	2.21	0.75
11.00	0.67	0.40	0.46	37.00	2.59	2.25	0.75
11.50	0.70	0.43	0.47	37.50	2.63	2.30	0.75
12.00	0.73	0.46	0.47	38.00	2.68	2.34	0.75
12.50	0.76	0.48	0.47	38.50	2.72	2.38	0.75
13.00	0.79	0.51	0.48	39.00	2.77	2.43	0.75
13.50	0.82	0.54	0.48	39.50	2.81	2.47	0.75
14.00	0.85	0.57	0.48	40.00	2.85	2.51	0.75
14.50	0.88	0.59	0.48	40.50	2.90	2.56	0.75
15.00	0.91	0.62	0.49	41.00	2.94	2.60	0.75
15.50	0.94	0.65	0.49	41.50	2.99	2.64	0.75
16.00	0.97	0.68	0.49	42.00	3.03	2.69	0.75
16.50	1.00	0.71	0.49	42.50	3.07	2.73	0.75
17.00	1.03	0.74	0.49	43.00	3.12	2.77	0.75
17.50	1.06	0.76	0.49	43.50	3.16	2.82	0.75
18.00	1.09	0.79	0.50	44.00	3.20	2.86	0.75
18.50	1.12	0.82	0.50	44.50	3.25	2.91	0.75
19.00	1.15	0.85	0.50	45.00	3.29	2.95	0.75
19.50	1.18	0.88	0.50	45.50	3.34	2.99	0.75
20.00	1.21	0.91	0.50	46.00	3.38	3.04	0.75
20.50	1.25	0.94	0.50	46.50	3.42	3.08	0.75
21.00	1.28	0.97	0.50	47.00	3.47	3.12	0.75
21.50	1.31	1.00	0.50	47.50	3.51	3.17	0.75
22.00	1.34	1.03	0.50	48.00	3.56	3.21	0.90
22.50	1.37	1.05	0.50	48.50	3.61	3.27	0.85
23.00	1.40	1.08	0.51	49.00	3.66	3.32	0.85
23.50	1.43	1.11	0.51	49.50	3.71	3.37	0.86
24.00	1.46	1.14	0.53	50.00	3.76	3.42	0.94
24.50	1.49	1.17	0.66	50.50	3.82	3.48	1.00
25.00	1.53	1.21	0.67	51.00	3.88	3.54	1.06
25.50	1.57	1.25	0.69	51.50	3.95	3.60	1.11

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Prepared by Black & Veatch

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Hydrograph for Subcatchment 7S: SB-2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	4.01	3.67	1.21	78.00	13.50	13.14	0.00
52.50	4.10	3.75	1.45	78.50	13.50	13.14	0.00
53.00	4.19	3.84	1.59	79.00	13.50	13.14	0.00
53.50	4.28	3.93	1.73	79.50	13.50	13.14	0.00
54.00	4.39	4.04	1.89	80.00	13.50	13.14	0.00
54.50	4.51	4.16	2.10	80.50	13.50	13.14	0.00
55.00	4.64	4.29	2.27	81.00	13.50	13.14	0.00
55.50	4.78	4.43	2.44	81.50	13.50	13.14	0.00
56.00	4.93	4.58	2.63	82.00	13.50	13.14	0.00
56.50	5.10	4.74	2.96	82.50	13.50	13.14	0.00
57.00	5.28	4.92	3.20	83.00	13.50	13.14	0.00
57.50	5.47	5.12	3.43	83.50	13.50	13.14	0.00
58.00	5.68	5.33	3.70	84.00	13.50	13.14	0.00
58.50	5.92	5.56	4.39	84.50	13.50	13.14	0.00
59.00	6.24	5.88	6.38	85.00	13.50	13.14	0.00
59.50	6.74	6.38	20.15	85.50	13.50	13.14	0.00
60.00	10.08	9.72	47.28	86.00	13.50	13.14	0.00
60.50	10.81	10.45	10.75	86.50	13.50	13.14	0.00
61.00	11.19	10.82	6.06	87.00	13.50	13.14	0.00
61.50	11.46	11.09	4.50	87.50	13.50	13.14	0.00
62.00	11.69	11.33	3.74	88.00	13.50	13.14	0.00
62.50	11.87	11.51	3.00	88.50	13.50	13.14	0.00
63.00	12.03	11.67	2.72	89.00	13.50	13.14	0.00
63.50	12.18	11.82	2.44	89.50	13.50	13.14	0.00
64.00	12.31	11.95	2.00	90.00	13.50	13.14	0.00
64.50	12.40	12.03	1.54	90.50	13.50	13.14	0.00
65.00	12.49	12.12	1.54	91.00	13.50	13.14	0.00
65.50	12.58	12.21	1.54	91.50	13.50	13.14	0.00
66.00	12.66	12.30	1.56	92.00	13.50	13.14	0.00
66.50	12.75	12.39	1.54	92.50	13.50	13.14	0.00
67.00	12.84	12.48	1.59	93.00	13.50	13.14	0.00
67.50	12.94	12.58	1.58	93.50	13.50	13.14	0.00
68.00	13.02	12.66	1.31	94.00	13.50	13.14	0.00
68.50	13.08	12.72	1.02	94.50	13.50	13.14	0.00
69.00	13.14	12.78	1.02	95.00	13.50	13.14	0.00
69.50	13.20	12.84	1.02	95.50	13.50	13.14	0.00
70.00	13.26	12.90	1.02	96.00	13.50	13.14	0.00
70.50	13.32	12.96	1.02	96.50	13.50	13.14	0.00
71.00	13.38	13.02	1.02	97.00	13.50	13.14	0.00
71.50	13.44	13.08	1.02	97.50	13.50	13.14	0.00
72.00	13.50	13.14	0.75	98.00	13.50	13.14	0.00
72.50	13.50	13.14	0.00	98.50	13.50	13.14	0.00
73.00	13.50	13.14	0.00	99.00	13.50	13.14	0.00
73.50	13.50	13.14	0.00	99.50	13.50	13.14	0.00
74.00	13.50	13.14	0.00	100.00	13.50	13.14	0.00
74.50	13.50	13.14	0.00	100.50	13.50	13.14	0.00
75.00	13.50	13.14	0.00	101.00	13.50	13.14	0.00
75.50	13.50	13.14	0.00	101.50	13.50	13.14	0.00
76.00	13.50	13.14	0.00	102.00	13.50	13.14	0.00
76.50	13.50	13.14	0.00	102.50	13.50	13.14	0.00
77.00	13.50	13.14	0.00	103.00	13.50	13.14	0.00
77.50	13.50	13.14	0.00	103.50	13.50	13.14	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Prepared by Black & Veatch

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Hydrograph for Subcatchment 7S: SB-2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	13.50	13.14	0.00	130.00	13.50	13.14	0.00
104.50	13.50	13.14	0.00	130.50	13.50	13.14	0.00
105.00	13.50	13.14	0.00	131.00	13.50	13.14	0.00
105.50	13.50	13.14	0.00	131.50	13.50	13.14	0.00
106.00	13.50	13.14	0.00	132.00	13.50	13.14	0.00
106.50	13.50	13.14	0.00	132.50	13.50	13.14	0.00
107.00	13.50	13.14	0.00	133.00	13.50	13.14	0.00
107.50	13.50	13.14	0.00	133.50	13.50	13.14	0.00
108.00	13.50	13.14	0.00	134.00	13.50	13.14	0.00
108.50	13.50	13.14	0.00	134.50	13.50	13.14	0.00
109.00	13.50	13.14	0.00	135.00	13.50	13.14	0.00
109.50	13.50	13.14	0.00	135.50	13.50	13.14	0.00
110.00	13.50	13.14	0.00	136.00	13.50	13.14	0.00
110.50	13.50	13.14	0.00	136.50	13.50	13.14	0.00
111.00	13.50	13.14	0.00	137.00	13.50	13.14	0.00
111.50	13.50	13.14	0.00	137.50	13.50	13.14	0.00
112.00	13.50	13.14	0.00	138.00	13.50	13.14	0.00
112.50	13.50	13.14	0.00	138.50	13.50	13.14	0.00
113.00	13.50	13.14	0.00	139.00	13.50	13.14	0.00
113.50	13.50	13.14	0.00	139.50	13.50	13.14	0.00
114.00	13.50	13.14	0.00	140.00	13.50	13.14	0.00
114.50	13.50	13.14	0.00	140.50	13.50	13.14	0.00
115.00	13.50	13.14	0.00	141.00	13.50	13.14	0.00
115.50	13.50	13.14	0.00	141.50	13.50	13.14	0.00
116.00	13.50	13.14	0.00	142.00	13.50	13.14	0.00
116.50	13.50	13.14	0.00	142.50	13.50	13.14	0.00
117.00	13.50	13.14	0.00	143.00	13.50	13.14	0.00
117.50	13.50	13.14	0.00	143.50	13.50	13.14	0.00
118.00	13.50	13.14	0.00	144.00	13.50	13.14	0.00
118.50	13.50	13.14	0.00	144.50	13.50	13.14	0.00
119.00	13.50	13.14	0.00	145.00	13.50	13.14	0.00
119.50	13.50	13.14	0.00	145.50	13.50	13.14	0.00
120.00	13.50	13.14	0.00	146.00	13.50	13.14	0.00
120.50	13.50	13.14	0.00	146.50	13.50	13.14	0.00
121.00	13.50	13.14	0.00	147.00	13.50	13.14	0.00
121.50	13.50	13.14	0.00	147.50	13.50	13.14	0.00
122.00	13.50	13.14	0.00	148.00	13.50	13.14	0.00
122.50	13.50	13.14	0.00	148.50	13.50	13.14	0.00
123.00	13.50	13.14	0.00	149.00	13.50	13.14	0.00
123.50	13.50	13.14	0.00	149.50	13.50	13.14	0.00
124.00	13.50	13.14	0.00	150.00	13.50	13.14	0.00
124.50	13.50	13.14	0.00				
125.00	13.50	13.14	0.00				
125.50	13.50	13.14	0.00				
126.00	13.50	13.14	0.00				
126.50	13.50	13.14	0.00				
127.00	13.50	13.14	0.00				
127.50	13.50	13.14	0.00				
128.00	13.50	13.14	0.00				
128.50	13.50	13.14	0.00				
129.00	13.50	13.14	0.00				
129.50	13.50	13.14	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Summary for Subcatchment 8S: SB-3

Runoff = 3.84 cfs @ 60.28 hrs, Volume= 0.879 af, Depth=10.04"

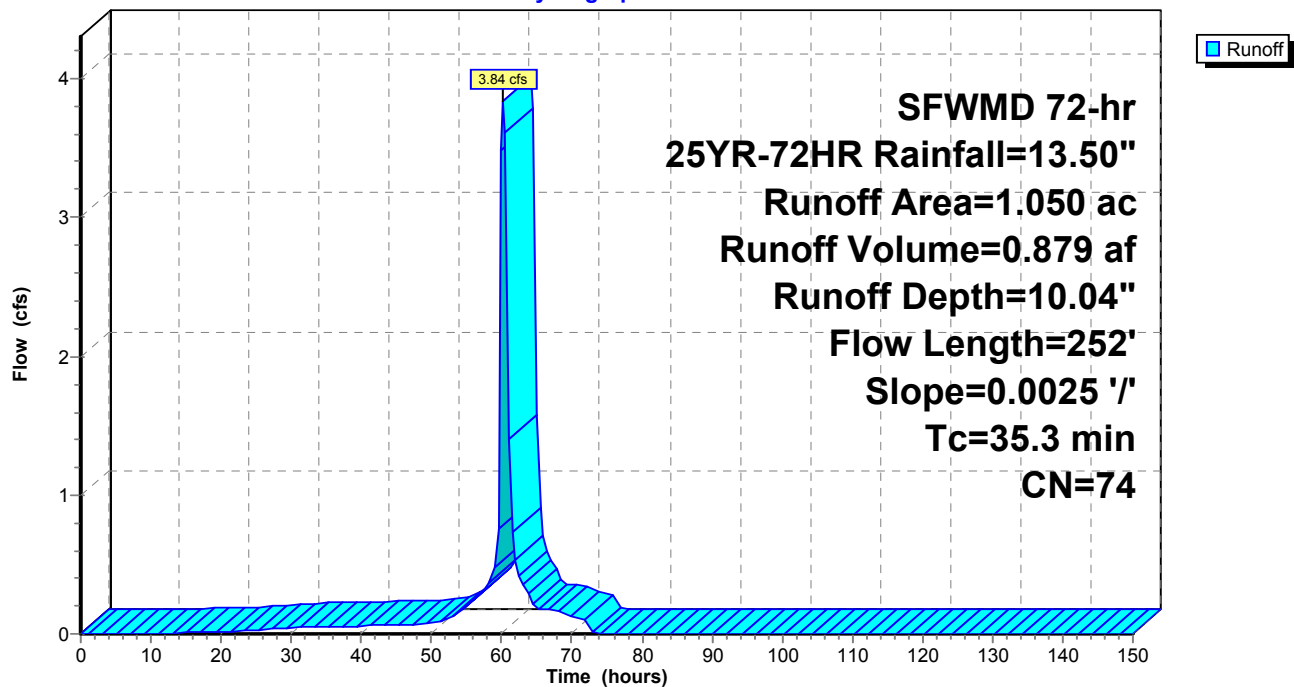
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
1.050	74	>75% Grass cover, Good, HSG C
1.050		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
35.3	252	0.0025	0.12		Sheet Flow, Overland Flow Grass: Short n= 0.150 P2= 5.70"

Subcatchment 8S: SB-3

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 8S: SB-3

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	1.61	0.19	0.03
0.50	0.03	0.00	0.00	26.50	1.65	0.20	0.03
1.00	0.06	0.00	0.00	27.00	1.70	0.22	0.03
1.50	0.09	0.00	0.00	27.50	1.74	0.24	0.04
2.00	0.12	0.00	0.00	28.00	1.78	0.25	0.04
2.50	0.15	0.00	0.00	28.50	1.83	0.27	0.04
3.00	0.18	0.00	0.00	29.00	1.88	0.29	0.04
3.50	0.21	0.00	0.00	29.50	1.92	0.31	0.04
4.00	0.24	0.00	0.00	30.00	1.97	0.34	0.05
4.50	0.27	0.00	0.00	30.50	2.02	0.36	0.05
5.00	0.30	0.00	0.00	31.00	2.06	0.38	0.04
5.50	0.33	0.00	0.00	31.50	2.11	0.40	0.04
6.00	0.36	0.00	0.00	32.00	2.15	0.42	0.05
6.50	0.39	0.00	0.00	32.50	2.20	0.45	0.05
7.00	0.43	0.00	0.00	33.00	2.24	0.47	0.05
7.50	0.46	0.00	0.00	33.50	2.28	0.49	0.05
8.00	0.49	0.00	0.00	34.00	2.33	0.51	0.05
8.50	0.52	0.00	0.00	34.50	2.37	0.54	0.05
9.00	0.55	0.00	0.00	35.00	2.42	0.56	0.05
9.50	0.58	0.00	0.00	35.50	2.46	0.59	0.05
10.00	0.61	0.00	0.00	36.00	2.50	0.61	0.05
10.50	0.64	0.00	0.00	36.50	2.55	0.63	0.05
11.00	0.67	0.00	0.00	37.00	2.59	0.66	0.05
11.50	0.70	0.00	0.00	37.50	2.63	0.69	0.05
12.00	0.73	0.00	0.00	38.00	2.68	0.71	0.05
12.50	0.76	0.00	0.00	38.50	2.72	0.74	0.05
13.00	0.79	0.00	0.00	39.00	2.77	0.76	0.06
13.50	0.82	0.00	0.00	39.50	2.81	0.79	0.06
14.00	0.85	0.01	0.00	40.00	2.85	0.82	0.06
14.50	0.88	0.01	0.00	40.50	2.90	0.84	0.06
15.00	0.91	0.01	0.01	41.00	2.94	0.87	0.06
15.50	0.94	0.02	0.01	41.50	2.99	0.90	0.06
16.00	0.97	0.02	0.01	42.00	3.03	0.93	0.06
16.50	1.00	0.02	0.01	42.50	3.07	0.96	0.06
17.00	1.03	0.03	0.01	43.00	3.12	0.98	0.06
17.50	1.06	0.03	0.01	43.50	3.16	1.01	0.06
18.00	1.09	0.04	0.01	44.00	3.20	1.04	0.06
18.50	1.12	0.05	0.01	44.50	3.25	1.07	0.06
19.00	1.15	0.05	0.01	45.00	3.29	1.10	0.06
19.50	1.18	0.06	0.01	45.50	3.34	1.13	0.06
20.00	1.21	0.07	0.01	46.00	3.38	1.16	0.06
20.50	1.25	0.07	0.02	46.50	3.42	1.19	0.06
21.00	1.28	0.08	0.02	47.00	3.47	1.22	0.06
21.50	1.31	0.09	0.02	47.50	3.51	1.25	0.06
22.00	1.34	0.10	0.02	48.00	3.56	1.28	0.07
22.50	1.37	0.11	0.02	48.50	3.61	1.32	0.08
23.00	1.40	0.11	0.02	49.00	3.66	1.35	0.07
23.50	1.43	0.12	0.02	49.50	3.71	1.39	0.07
24.00	1.46	0.13	0.02	50.00	3.76	1.42	0.08
24.50	1.49	0.14	0.02	50.50	3.82	1.47	0.08
25.00	1.53	0.16	0.03	51.00	3.88	1.51	0.09
25.50	1.57	0.17	0.03	51.50	3.95	1.56	0.10

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 8S: SB-3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	4.01	1.61	0.10	78.00	13.50	10.04	0.00
52.50	4.10	1.67	0.11	78.50	13.50	10.04	0.00
53.00	4.19	1.73	0.13	79.00	13.50	10.04	0.00
53.50	4.28	1.81	0.15	79.50	13.50	10.04	0.00
54.00	4.39	1.89	0.16	80.00	13.50	10.04	0.00
54.50	4.51	1.98	0.18	80.50	13.50	10.04	0.00
55.00	4.64	2.08	0.20	81.00	13.50	10.04	0.00
55.50	4.78	2.19	0.22	81.50	13.50	10.04	0.00
56.00	4.93	2.31	0.24	82.00	13.50	10.04	0.00
56.50	5.10	2.44	0.26	82.50	13.50	10.04	0.00
57.00	5.28	2.59	0.29	83.00	13.50	10.04	0.00
57.50	5.47	2.75	0.32	83.50	13.50	10.04	0.00
58.00	5.68	2.92	0.35	84.00	13.50	10.04	0.00
58.50	5.92	3.12	0.39	84.50	13.50	10.04	0.00
59.00	6.24	3.39	0.48	85.00	13.50	10.04	0.00
59.50	6.74	3.81	0.76	85.50	13.50	10.04	0.00
60.00	10.08	6.82	3.48	86.00	13.50	10.04	0.00
60.50	10.81	7.50	3.61	86.50	13.50	10.04	0.00
61.00	11.19	7.85	1.40	87.00	13.50	10.04	0.00
61.50	11.46	8.11	0.73	87.50	13.50	10.04	0.00
62.00	11.69	8.33	0.53	88.00	13.50	10.04	0.00
62.50	11.87	8.49	0.42	88.50	13.50	10.04	0.00
63.00	12.03	8.65	0.35	89.00	13.50	10.04	0.00
63.50	12.18	8.79	0.31	89.50	13.50	10.04	0.00
64.00	12.31	8.91	0.28	90.00	13.50	10.04	0.00
64.50	12.40	8.99	0.22	90.50	13.50	10.04	0.00
65.00	12.49	9.08	0.18	91.00	13.50	10.04	0.00
65.50	12.58	9.16	0.18	91.50	13.50	10.04	0.00
66.00	12.66	9.25	0.18	92.00	13.50	10.04	0.00
66.50	12.75	9.33	0.18	92.50	13.50	10.04	0.00
67.00	12.84	9.42	0.18	93.00	13.50	10.04	0.00
67.50	12.94	9.51	0.19	93.50	13.50	10.04	0.00
68.00	13.02	9.59	0.18	94.00	13.50	10.04	0.00
68.50	13.08	9.64	0.15	94.50	13.50	10.04	0.00
69.00	13.14	9.70	0.12	95.00	13.50	10.04	0.00
69.50	13.20	9.76	0.12	95.50	13.50	10.04	0.00
70.00	13.26	9.81	0.12	96.00	13.50	10.04	0.00
70.50	13.32	9.87	0.12	96.50	13.50	10.04	0.00
71.00	13.38	9.93	0.12	97.00	13.50	10.04	0.00
71.50	13.44	9.98	0.12	97.50	13.50	10.04	0.00
72.00	13.50	10.04	0.12	98.00	13.50	10.04	0.00
72.50	13.50	10.04	0.06	98.50	13.50	10.04	0.00
73.00	13.50	10.04	0.01	99.00	13.50	10.04	0.00
73.50	13.50	10.04	0.00	99.50	13.50	10.04	0.00
74.00	13.50	10.04	0.00	100.00	13.50	10.04	0.00
74.50	13.50	10.04	0.00	100.50	13.50	10.04	0.00
75.00	13.50	10.04	0.00	101.00	13.50	10.04	0.00
75.50	13.50	10.04	0.00	101.50	13.50	10.04	0.00
76.00	13.50	10.04	0.00	102.00	13.50	10.04	0.00
76.50	13.50	10.04	0.00	102.50	13.50	10.04	0.00
77.00	13.50	10.04	0.00	103.00	13.50	10.04	0.00
77.50	13.50	10.04	0.00	103.50	13.50	10.04	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 8S: SB-3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	13.50	10.04	0.00	130.00	13.50	10.04	0.00
104.50	13.50	10.04	0.00	130.50	13.50	10.04	0.00
105.00	13.50	10.04	0.00	131.00	13.50	10.04	0.00
105.50	13.50	10.04	0.00	131.50	13.50	10.04	0.00
106.00	13.50	10.04	0.00	132.00	13.50	10.04	0.00
106.50	13.50	10.04	0.00	132.50	13.50	10.04	0.00
107.00	13.50	10.04	0.00	133.00	13.50	10.04	0.00
107.50	13.50	10.04	0.00	133.50	13.50	10.04	0.00
108.00	13.50	10.04	0.00	134.00	13.50	10.04	0.00
108.50	13.50	10.04	0.00	134.50	13.50	10.04	0.00
109.00	13.50	10.04	0.00	135.00	13.50	10.04	0.00
109.50	13.50	10.04	0.00	135.50	13.50	10.04	0.00
110.00	13.50	10.04	0.00	136.00	13.50	10.04	0.00
110.50	13.50	10.04	0.00	136.50	13.50	10.04	0.00
111.00	13.50	10.04	0.00	137.00	13.50	10.04	0.00
111.50	13.50	10.04	0.00	137.50	13.50	10.04	0.00
112.00	13.50	10.04	0.00	138.00	13.50	10.04	0.00
112.50	13.50	10.04	0.00	138.50	13.50	10.04	0.00
113.00	13.50	10.04	0.00	139.00	13.50	10.04	0.00
113.50	13.50	10.04	0.00	139.50	13.50	10.04	0.00
114.00	13.50	10.04	0.00	140.00	13.50	10.04	0.00
114.50	13.50	10.04	0.00	140.50	13.50	10.04	0.00
115.00	13.50	10.04	0.00	141.00	13.50	10.04	0.00
115.50	13.50	10.04	0.00	141.50	13.50	10.04	0.00
116.00	13.50	10.04	0.00	142.00	13.50	10.04	0.00
116.50	13.50	10.04	0.00	142.50	13.50	10.04	0.00
117.00	13.50	10.04	0.00	143.00	13.50	10.04	0.00
117.50	13.50	10.04	0.00	143.50	13.50	10.04	0.00
118.00	13.50	10.04	0.00	144.00	13.50	10.04	0.00
118.50	13.50	10.04	0.00	144.50	13.50	10.04	0.00
119.00	13.50	10.04	0.00	145.00	13.50	10.04	0.00
119.50	13.50	10.04	0.00	145.50	13.50	10.04	0.00
120.00	13.50	10.04	0.00	146.00	13.50	10.04	0.00
120.50	13.50	10.04	0.00	146.50	13.50	10.04	0.00
121.00	13.50	10.04	0.00	147.00	13.50	10.04	0.00
121.50	13.50	10.04	0.00	147.50	13.50	10.04	0.00
122.00	13.50	10.04	0.00	148.00	13.50	10.04	0.00
122.50	13.50	10.04	0.00	148.50	13.50	10.04	0.00
123.00	13.50	10.04	0.00	149.00	13.50	10.04	0.00
123.50	13.50	10.04	0.00	149.50	13.50	10.04	0.00
124.00	13.50	10.04	0.00	150.00	13.50	10.04	0.00
124.50	13.50	10.04	0.00				
125.00	13.50	10.04	0.00				
125.50	13.50	10.04	0.00				
126.00	13.50	10.04	0.00				
126.50	13.50	10.04	0.00				
127.00	13.50	10.04	0.00				
127.50	13.50	10.04	0.00				
128.00	13.50	10.04	0.00				
128.50	13.50	10.04	0.00				
129.00	13.50	10.04	0.00				
129.50	13.50	10.04	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Summary for Subcatchment 9S: SB-8

Runoff = 22.66 cfs @ 59.99 hrs, Volume= 4.190 af, Depth=13.27"

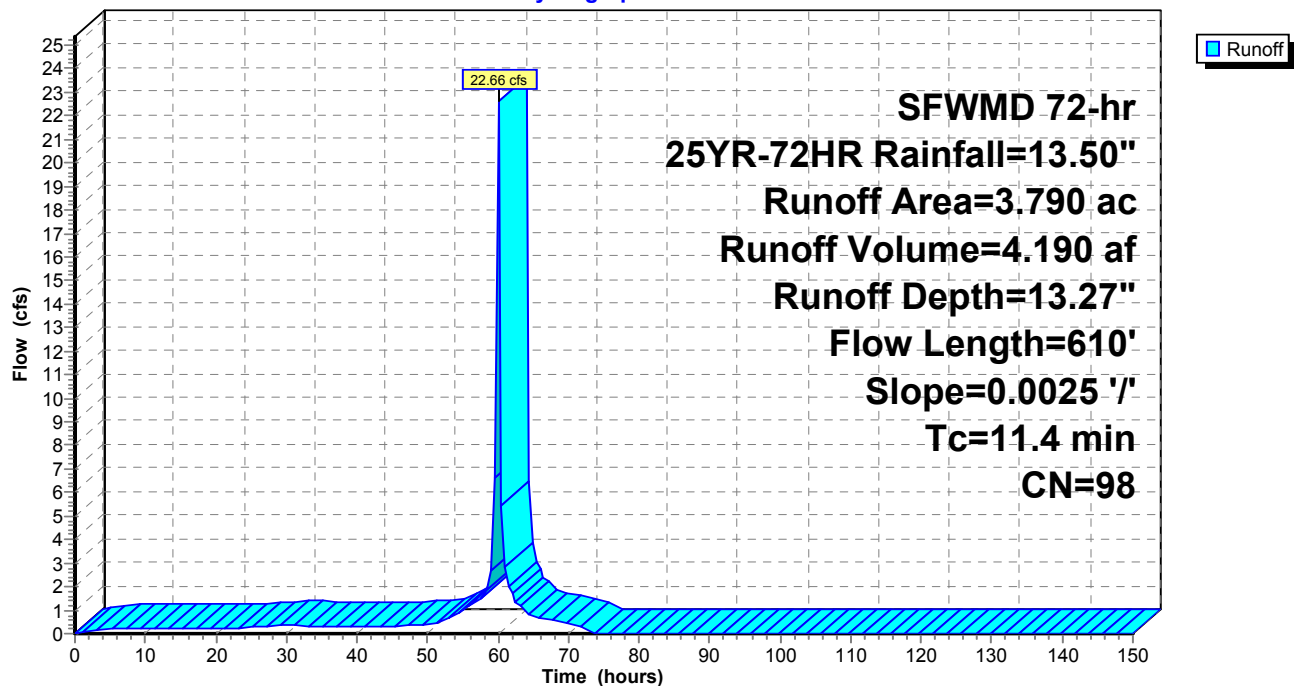
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
0.880	98	Water Surface, HSG C
* 2.620	98	Gravel surface, HSG C
* 0.290	98	Paved road, HSG C
3.790	98	Weighted Average
3.790		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	300	0.0025	1.00		Sheet Flow, Overland Flow Smooth surfaces n= 0.011 P2= 5.70"
6.4	310	0.0025	0.81		Shallow Concentrated Flow, Overland Flow Unpaved Kv= 16.1 fps
11.4	610	Total			

Subcatchment 9S: SB-8

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 9S: SB-8

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	1.61	1.39	0.31
0.50	0.03	0.00	0.00	26.50	1.65	1.43	0.32
1.00	0.06	0.00	0.02	27.00	1.70	1.47	0.33
1.50	0.09	0.01	0.07	27.50	1.74	1.52	0.33
2.00	0.12	0.02	0.10	28.00	1.78	1.56	0.34
2.50	0.15	0.04	0.13	28.50	1.83	1.61	0.34
3.00	0.18	0.06	0.15	29.00	1.88	1.65	0.35
3.50	0.21	0.08	0.16	29.50	1.92	1.70	0.36
4.00	0.24	0.10	0.17	30.00	1.97	1.74	0.40
4.50	0.27	0.12	0.18	30.50	2.02	1.79	0.34
5.00	0.30	0.15	0.19	31.00	2.06	1.84	0.33
5.50	0.33	0.17	0.19	31.50	2.11	1.88	0.33
6.00	0.36	0.20	0.20	32.00	2.15	1.92	0.33
6.50	0.39	0.22	0.20	32.50	2.20	1.97	0.33
7.00	0.43	0.25	0.20	33.00	2.24	2.01	0.33
7.50	0.46	0.28	0.21	33.50	2.28	2.06	0.33
8.00	0.49	0.31	0.21	34.00	2.33	2.10	0.33
8.50	0.52	0.33	0.21	34.50	2.37	2.14	0.33
9.00	0.55	0.36	0.21	35.00	2.42	2.19	0.33
9.50	0.58	0.39	0.21	35.50	2.46	2.23	0.33
10.00	0.61	0.42	0.22	36.00	2.50	2.27	0.33
10.50	0.64	0.44	0.22	36.50	2.55	2.32	0.33
11.00	0.67	0.47	0.22	37.00	2.59	2.36	0.33
11.50	0.70	0.50	0.22	37.50	2.63	2.40	0.33
12.00	0.73	0.53	0.22	38.00	2.68	2.45	0.33
12.50	0.76	0.56	0.22	38.50	2.72	2.49	0.33
13.00	0.79	0.59	0.22	39.00	2.77	2.54	0.33
13.50	0.82	0.62	0.22	39.50	2.81	2.58	0.33
14.00	0.85	0.65	0.22	40.00	2.85	2.62	0.33
14.50	0.88	0.68	0.22	40.50	2.90	2.67	0.33
15.00	0.91	0.71	0.22	41.00	2.94	2.71	0.33
15.50	0.94	0.73	0.22	41.50	2.99	2.75	0.33
16.00	0.97	0.76	0.22	42.00	3.03	2.80	0.33
16.50	1.00	0.79	0.22	42.50	3.07	2.84	0.33
17.00	1.03	0.82	0.23	43.00	3.12	2.88	0.33
17.50	1.06	0.85	0.23	43.50	3.16	2.93	0.33
18.00	1.09	0.88	0.23	44.00	3.20	2.97	0.33
18.50	1.12	0.91	0.23	44.50	3.25	3.02	0.33
19.00	1.15	0.94	0.23	45.00	3.29	3.06	0.33
19.50	1.18	0.97	0.23	45.50	3.34	3.10	0.33
20.00	1.21	1.00	0.23	46.00	3.38	3.15	0.33
20.50	1.25	1.03	0.23	46.50	3.42	3.19	0.33
21.00	1.28	1.06	0.23	47.00	3.47	3.23	0.33
21.50	1.31	1.09	0.23	47.50	3.51	3.28	0.33
22.00	1.34	1.12	0.23	48.00	3.56	3.32	0.39
22.50	1.37	1.15	0.23	48.50	3.61	3.38	0.38
23.00	1.40	1.18	0.23	49.00	3.66	3.43	0.38
23.50	1.43	1.21	0.23	49.50	3.71	3.48	0.38
24.00	1.46	1.24	0.23	50.00	3.76	3.53	0.41
24.50	1.49	1.27	0.29	50.50	3.82	3.59	0.44
25.00	1.53	1.31	0.30	51.00	3.88	3.65	0.47
25.50	1.57	1.35	0.31	51.50	3.95	3.71	0.49

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 9S: SB-8 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	4.01	3.78	0.52	78.00	13.50	13.26	0.00
52.50	4.10	3.86	0.63	78.50	13.50	13.26	0.00
53.00	4.19	3.95	0.70	79.00	13.50	13.26	0.00
53.50	4.28	4.05	0.76	79.50	13.50	13.26	0.00
54.00	4.39	4.16	0.83	80.00	13.50	13.26	0.00
54.50	4.51	4.28	0.92	80.50	13.50	13.26	0.00
55.00	4.64	4.40	1.00	81.00	13.50	13.26	0.00
55.50	4.78	4.54	1.07	81.50	13.50	13.26	0.00
56.00	4.93	4.69	1.15	82.00	13.50	13.26	0.00
56.50	5.10	4.86	1.30	82.50	13.50	13.26	0.00
57.00	5.28	5.04	1.40	83.00	13.50	13.26	0.00
57.50	5.47	5.24	1.51	83.50	13.50	13.26	0.00
58.00	5.68	5.45	1.62	84.00	13.50	13.26	0.00
58.50	5.92	5.68	1.89	84.50	13.50	13.26	0.00
59.00	6.24	6.00	2.65	85.00	13.50	13.26	0.00
59.50	6.74	6.50	6.63	85.50	13.50	13.26	0.00
60.00	10.08	9.84	22.65	86.00	13.50	13.26	0.00
60.50	10.81	10.57	5.45	86.50	13.50	13.26	0.00
61.00	11.19	10.94	2.82	87.00	13.50	13.26	0.00
61.50	11.46	11.21	2.04	87.50	13.50	13.26	0.00
62.00	11.69	11.45	1.72	88.00	13.50	13.26	0.00
62.50	11.87	11.63	1.35	88.50	13.50	13.26	0.00
63.00	12.03	11.79	1.22	89.00	13.50	13.26	0.00
63.50	12.18	11.94	1.10	89.50	13.50	13.26	0.00
64.00	12.31	12.07	0.93	90.00	13.50	13.26	0.00
64.50	12.40	12.16	0.69	90.50	13.50	13.26	0.00
65.00	12.49	12.24	0.68	91.00	13.50	13.26	0.00
65.50	12.58	12.33	0.68	91.50	13.50	13.26	0.00
66.00	12.66	12.42	0.69	92.00	13.50	13.26	0.00
66.50	12.75	12.51	0.68	92.50	13.50	13.26	0.00
67.00	12.84	12.60	0.70	93.00	13.50	13.26	0.00
67.50	12.94	12.70	0.71	93.50	13.50	13.26	0.00
68.00	13.02	12.78	0.61	94.00	13.50	13.26	0.00
68.50	13.08	12.84	0.46	94.50	13.50	13.26	0.00
69.00	13.14	12.90	0.45	95.00	13.50	13.26	0.00
69.50	13.20	12.96	0.45	95.50	13.50	13.26	0.00
70.00	13.26	13.02	0.45	96.00	13.50	13.26	0.00
70.50	13.32	13.08	0.45	96.50	13.50	13.26	0.00
71.00	13.38	13.14	0.45	97.00	13.50	13.26	0.00
71.50	13.44	13.20	0.45	97.50	13.50	13.26	0.00
72.00	13.50	13.26	0.38	98.00	13.50	13.26	0.00
72.50	13.50	13.26	0.01	98.50	13.50	13.26	0.00
73.00	13.50	13.26	0.00	99.00	13.50	13.26	0.00
73.50	13.50	13.26	0.00	99.50	13.50	13.26	0.00
74.00	13.50	13.26	0.00	100.00	13.50	13.26	0.00
74.50	13.50	13.26	0.00	100.50	13.50	13.26	0.00
75.00	13.50	13.26	0.00	101.00	13.50	13.26	0.00
75.50	13.50	13.26	0.00	101.50	13.50	13.26	0.00
76.00	13.50	13.26	0.00	102.00	13.50	13.26	0.00
76.50	13.50	13.26	0.00	102.50	13.50	13.26	0.00
77.00	13.50	13.26	0.00	103.00	13.50	13.26	0.00
77.50	13.50	13.26	0.00	103.50	13.50	13.26	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 9S: SB-8 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	13.50	13.26	0.00	130.00	13.50	13.26	0.00
104.50	13.50	13.26	0.00	130.50	13.50	13.26	0.00
105.00	13.50	13.26	0.00	131.00	13.50	13.26	0.00
105.50	13.50	13.26	0.00	131.50	13.50	13.26	0.00
106.00	13.50	13.26	0.00	132.00	13.50	13.26	0.00
106.50	13.50	13.26	0.00	132.50	13.50	13.26	0.00
107.00	13.50	13.26	0.00	133.00	13.50	13.26	0.00
107.50	13.50	13.26	0.00	133.50	13.50	13.26	0.00
108.00	13.50	13.26	0.00	134.00	13.50	13.26	0.00
108.50	13.50	13.26	0.00	134.50	13.50	13.26	0.00
109.00	13.50	13.26	0.00	135.00	13.50	13.26	0.00
109.50	13.50	13.26	0.00	135.50	13.50	13.26	0.00
110.00	13.50	13.26	0.00	136.00	13.50	13.26	0.00
110.50	13.50	13.26	0.00	136.50	13.50	13.26	0.00
111.00	13.50	13.26	0.00	137.00	13.50	13.26	0.00
111.50	13.50	13.26	0.00	137.50	13.50	13.26	0.00
112.00	13.50	13.26	0.00	138.00	13.50	13.26	0.00
112.50	13.50	13.26	0.00	138.50	13.50	13.26	0.00
113.00	13.50	13.26	0.00	139.00	13.50	13.26	0.00
113.50	13.50	13.26	0.00	139.50	13.50	13.26	0.00
114.00	13.50	13.26	0.00	140.00	13.50	13.26	0.00
114.50	13.50	13.26	0.00	140.50	13.50	13.26	0.00
115.00	13.50	13.26	0.00	141.00	13.50	13.26	0.00
115.50	13.50	13.26	0.00	141.50	13.50	13.26	0.00
116.00	13.50	13.26	0.00	142.00	13.50	13.26	0.00
116.50	13.50	13.26	0.00	142.50	13.50	13.26	0.00
117.00	13.50	13.26	0.00	143.00	13.50	13.26	0.00
117.50	13.50	13.26	0.00	143.50	13.50	13.26	0.00
118.00	13.50	13.26	0.00	144.00	13.50	13.26	0.00
118.50	13.50	13.26	0.00	144.50	13.50	13.26	0.00
119.00	13.50	13.26	0.00	145.00	13.50	13.26	0.00
119.50	13.50	13.26	0.00	145.50	13.50	13.26	0.00
120.00	13.50	13.26	0.00	146.00	13.50	13.26	0.00
120.50	13.50	13.26	0.00	146.50	13.50	13.26	0.00
121.00	13.50	13.26	0.00	147.00	13.50	13.26	0.00
121.50	13.50	13.26	0.00	147.50	13.50	13.26	0.00
122.00	13.50	13.26	0.00	148.00	13.50	13.26	0.00
122.50	13.50	13.26	0.00	148.50	13.50	13.26	0.00
123.00	13.50	13.26	0.00	149.00	13.50	13.26	0.00
123.50	13.50	13.26	0.00	149.50	13.50	13.26	0.00
124.00	13.50	13.26	0.00	150.00	13.50	13.26	0.00
124.50	13.50	13.26	0.00				
125.00	13.50	13.26	0.00				
125.50	13.50	13.26	0.00				
126.00	13.50	13.26	0.00				
126.50	13.50	13.26	0.00				
127.00	13.50	13.26	0.00				
127.50	13.50	13.26	0.00				
128.00	13.50	13.26	0.00				
128.50	13.50	13.26	0.00				
129.00	13.50	13.26	0.00				
129.50	13.50	13.26	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Summary for Subcatchment 10S: SB-4

Runoff = 43.57 cfs @ 60.10 hrs, Volume= 9.492 af, Depth=12.64"

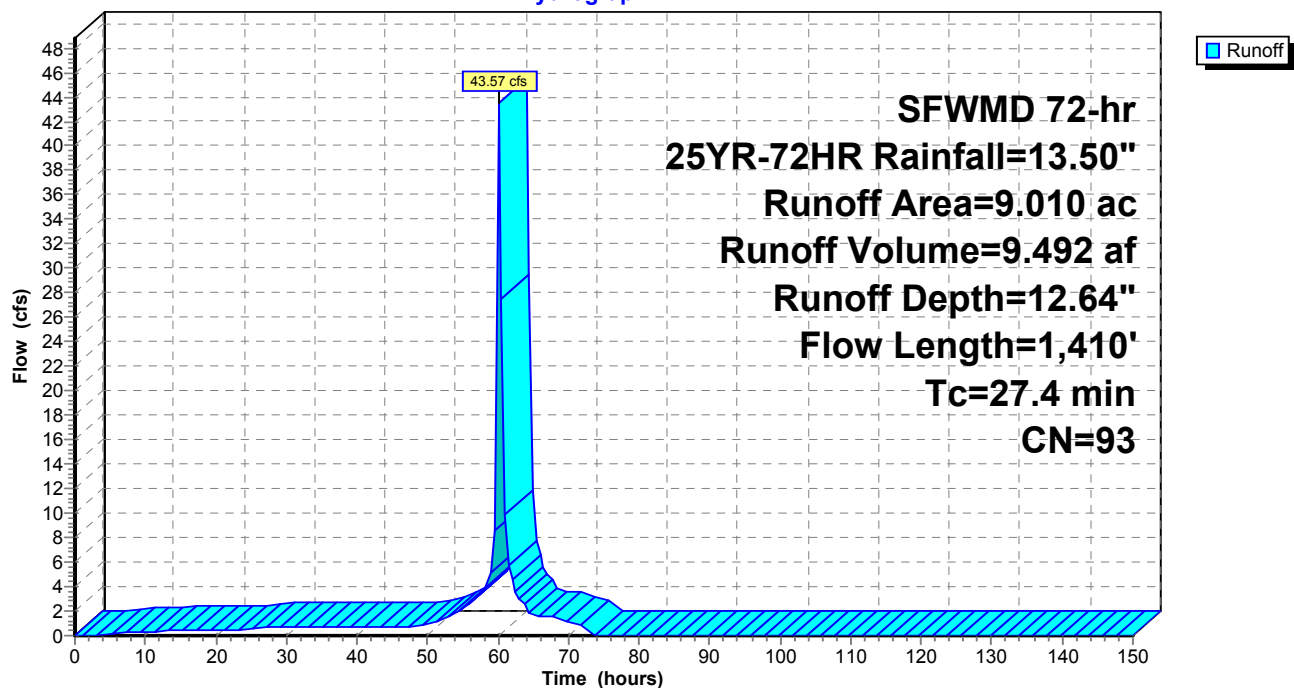
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
* 6.750	98	Gravel surface, HSG C
0.260	98	Roofs, HSG C
2.000	74	>75% Grass cover, Good, HSG C
9.010	93	Weighted Average
2.000		22.20% Pervious Area
7.010		77.80% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.4	260	0.0050	1.28		Sheet Flow, Overland Flow Smooth surfaces n= 0.011 P2= 5.70"
23.3	1,050	0.0025	0.75		Shallow Concentrated Flow, Grassed Ditch Grassed Waterway Kv= 15.0 fps
0.7	100	0.0025	2.27	1.78	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.013 Concrete pipe, bends & connections
27.4	1,410	Total			

Subcatchment 10S: SB-4

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 10S: SB-4

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	1.61	0.96	0.66
0.50	0.03	0.00	0.00	26.50	1.65	1.00	0.68
1.00	0.06	0.00	0.00	27.00	1.70	1.04	0.69
1.50	0.09	0.00	0.00	27.50	1.74	1.08	0.71
2.00	0.12	0.00	0.00	28.00	1.78	1.12	0.72
2.50	0.15	0.00	0.00	28.50	1.83	1.16	0.74
3.00	0.18	0.00	0.01	29.00	1.88	1.20	0.75
3.50	0.21	0.00	0.05	29.50	1.92	1.24	0.77
4.00	0.24	0.01	0.09	30.00	1.97	1.29	0.80
4.50	0.27	0.02	0.12	30.50	2.02	1.33	0.83
5.00	0.30	0.03	0.15	31.00	2.06	1.37	0.74
5.50	0.33	0.04	0.17	31.50	2.11	1.41	0.73
6.00	0.36	0.05	0.20	32.00	2.15	1.45	0.74
6.50	0.39	0.06	0.22	32.50	2.20	1.50	0.74
7.00	0.43	0.07	0.24	33.00	2.24	1.54	0.74
7.50	0.46	0.09	0.26	33.50	2.28	1.58	0.74
8.00	0.49	0.10	0.27	34.00	2.33	1.62	0.74
8.50	0.52	0.12	0.29	34.50	2.37	1.66	0.74
9.00	0.55	0.14	0.30	35.00	2.42	1.70	0.75
9.50	0.58	0.15	0.32	35.50	2.46	1.74	0.75
10.00	0.61	0.17	0.33	36.00	2.50	1.78	0.75
10.50	0.64	0.19	0.34	36.50	2.55	1.82	0.75
11.00	0.67	0.21	0.35	37.00	2.59	1.86	0.75
11.50	0.70	0.23	0.36	37.50	2.63	1.91	0.75
12.00	0.73	0.25	0.37	38.00	2.68	1.95	0.75
12.50	0.76	0.27	0.38	38.50	2.72	1.99	0.76
13.00	0.79	0.29	0.38	39.00	2.77	2.03	0.76
13.50	0.82	0.32	0.39	39.50	2.81	2.07	0.76
14.00	0.85	0.34	0.40	40.00	2.85	2.11	0.76
14.50	0.88	0.36	0.40	40.50	2.90	2.16	0.76
15.00	0.91	0.38	0.41	41.00	2.94	2.20	0.76
15.50	0.94	0.41	0.42	41.50	2.99	2.24	0.76
16.00	0.97	0.43	0.42	42.00	3.03	2.28	0.76
16.50	1.00	0.45	0.43	42.50	3.07	2.32	0.76
17.00	1.03	0.48	0.43	43.00	3.12	2.37	0.76
17.50	1.06	0.50	0.44	43.50	3.16	2.41	0.76
18.00	1.09	0.52	0.44	44.00	3.20	2.45	0.77
18.50	1.12	0.55	0.44	44.50	3.25	2.49	0.77
19.00	1.15	0.57	0.45	45.00	3.29	2.53	0.77
19.50	1.18	0.60	0.45	45.50	3.34	2.58	0.77
20.00	1.21	0.62	0.45	46.00	3.38	2.62	0.77
20.50	1.25	0.65	0.46	46.50	3.42	2.66	0.77
21.00	1.28	0.67	0.46	47.00	3.47	2.70	0.77
21.50	1.31	0.70	0.46	47.50	3.51	2.75	0.77
22.00	1.34	0.73	0.47	48.00	3.56	2.79	0.79
22.50	1.37	0.75	0.47	48.50	3.61	2.84	0.93
23.00	1.40	0.78	0.47	49.00	3.66	2.89	0.88
23.50	1.43	0.80	0.47	49.50	3.71	2.94	0.88
24.00	1.46	0.83	0.47	50.00	3.76	2.99	0.89
24.50	1.49	0.86	0.51	50.50	3.82	3.05	1.01
25.00	1.53	0.89	0.62	51.00	3.88	3.11	1.05
25.50	1.57	0.93	0.65	51.50	3.95	3.17	1.11

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 10S: SB-4 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	4.01	3.23	1.17	78.00	13.50	12.64	0.00
52.50	4.10	3.31	1.35	78.50	13.50	12.64	0.00
53.00	4.19	3.40	1.55	79.00	13.50	12.64	0.00
53.50	4.28	3.50	1.70	79.50	13.50	12.64	0.00
54.00	4.39	3.60	1.84	80.00	13.50	12.64	0.00
54.50	4.51	3.72	2.04	80.50	13.50	12.64	0.00
55.00	4.64	3.85	2.24	81.00	13.50	12.64	0.00
55.50	4.78	3.98	2.42	81.50	13.50	12.64	0.00
56.00	4.93	4.13	2.60	82.00	13.50	12.64	0.00
56.50	5.10	4.29	2.87	82.50	13.50	12.64	0.00
57.00	5.28	4.47	3.16	83.00	13.50	12.64	0.00
57.50	5.47	4.66	3.41	83.50	13.50	12.64	0.00
58.00	5.68	4.87	3.66	84.00	13.50	12.64	0.00
58.50	5.92	5.10	4.08	84.50	13.50	12.64	0.00
59.00	6.24	5.42	5.20	85.00	13.50	12.64	0.00
59.50	6.74	5.91	8.64	85.50	13.50	12.64	0.00
60.00	10.08	9.23	42.66	86.00	13.50	12.64	0.00
60.50	10.81	9.95	27.55	86.50	13.50	12.64	0.00
61.00	11.19	10.33	9.85	87.00	13.50	12.64	0.00
61.50	11.46	10.60	5.73	87.50	13.50	12.64	0.00
62.00	11.69	10.84	4.52	88.00	13.50	12.64	0.00
62.50	11.87	11.01	3.56	88.50	13.50	12.64	0.00
63.00	12.03	11.17	3.06	89.00	13.50	12.64	0.00
63.50	12.18	11.32	2.75	89.50	13.50	12.64	0.00
64.00	12.31	11.45	2.44	90.00	13.50	12.64	0.00
64.50	12.40	11.54	1.85	90.50	13.50	12.64	0.00
65.00	12.49	11.63	1.63	91.00	13.50	12.64	0.00
65.50	12.58	11.72	1.61	91.50	13.50	12.64	0.00
66.00	12.66	11.80	1.62	92.00	13.50	12.64	0.00
66.50	12.75	11.89	1.63	92.50	13.50	12.64	0.00
67.00	12.84	11.98	1.62	93.00	13.50	12.64	0.00
67.50	12.94	12.08	1.70	93.50	13.50	12.64	0.00
68.00	13.02	12.16	1.58	94.00	13.50	12.64	0.00
68.50	13.08	12.22	1.22	94.50	13.50	12.64	0.00
69.00	13.14	12.28	1.09	95.00	13.50	12.64	0.00
69.50	13.20	12.34	1.08	95.50	13.50	12.64	0.00
70.00	13.26	12.40	1.08	96.00	13.50	12.64	0.00
70.50	13.32	12.46	1.08	96.50	13.50	12.64	0.00
71.00	13.38	12.52	1.08	97.00	13.50	12.64	0.00
71.50	13.44	12.58	1.08	97.50	13.50	12.64	0.00
72.00	13.50	12.64	1.06	98.00	13.50	12.64	0.00
72.50	13.50	12.64	0.39	98.50	13.50	12.64	0.00
73.00	13.50	12.64	0.03	99.00	13.50	12.64	0.00
73.50	13.50	12.64	0.00	99.50	13.50	12.64	0.00
74.00	13.50	12.64	0.00	100.00	13.50	12.64	0.00
74.50	13.50	12.64	0.00	100.50	13.50	12.64	0.00
75.00	13.50	12.64	0.00	101.00	13.50	12.64	0.00
75.50	13.50	12.64	0.00	101.50	13.50	12.64	0.00
76.00	13.50	12.64	0.00	102.00	13.50	12.64	0.00
76.50	13.50	12.64	0.00	102.50	13.50	12.64	0.00
77.00	13.50	12.64	0.00	103.00	13.50	12.64	0.00
77.50	13.50	12.64	0.00	103.50	13.50	12.64	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 10S: SB-4 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	13.50	12.64	0.00	130.00	13.50	12.64	0.00
104.50	13.50	12.64	0.00	130.50	13.50	12.64	0.00
105.00	13.50	12.64	0.00	131.00	13.50	12.64	0.00
105.50	13.50	12.64	0.00	131.50	13.50	12.64	0.00
106.00	13.50	12.64	0.00	132.00	13.50	12.64	0.00
106.50	13.50	12.64	0.00	132.50	13.50	12.64	0.00
107.00	13.50	12.64	0.00	133.00	13.50	12.64	0.00
107.50	13.50	12.64	0.00	133.50	13.50	12.64	0.00
108.00	13.50	12.64	0.00	134.00	13.50	12.64	0.00
108.50	13.50	12.64	0.00	134.50	13.50	12.64	0.00
109.00	13.50	12.64	0.00	135.00	13.50	12.64	0.00
109.50	13.50	12.64	0.00	135.50	13.50	12.64	0.00
110.00	13.50	12.64	0.00	136.00	13.50	12.64	0.00
110.50	13.50	12.64	0.00	136.50	13.50	12.64	0.00
111.00	13.50	12.64	0.00	137.00	13.50	12.64	0.00
111.50	13.50	12.64	0.00	137.50	13.50	12.64	0.00
112.00	13.50	12.64	0.00	138.00	13.50	12.64	0.00
112.50	13.50	12.64	0.00	138.50	13.50	12.64	0.00
113.00	13.50	12.64	0.00	139.00	13.50	12.64	0.00
113.50	13.50	12.64	0.00	139.50	13.50	12.64	0.00
114.00	13.50	12.64	0.00	140.00	13.50	12.64	0.00
114.50	13.50	12.64	0.00	140.50	13.50	12.64	0.00
115.00	13.50	12.64	0.00	141.00	13.50	12.64	0.00
115.50	13.50	12.64	0.00	141.50	13.50	12.64	0.00
116.00	13.50	12.64	0.00	142.00	13.50	12.64	0.00
116.50	13.50	12.64	0.00	142.50	13.50	12.64	0.00
117.00	13.50	12.64	0.00	143.00	13.50	12.64	0.00
117.50	13.50	12.64	0.00	143.50	13.50	12.64	0.00
118.00	13.50	12.64	0.00	144.00	13.50	12.64	0.00
118.50	13.50	12.64	0.00	144.50	13.50	12.64	0.00
119.00	13.50	12.64	0.00	145.00	13.50	12.64	0.00
119.50	13.50	12.64	0.00	145.50	13.50	12.64	0.00
120.00	13.50	12.64	0.00	146.00	13.50	12.64	0.00
120.50	13.50	12.64	0.00	146.50	13.50	12.64	0.00
121.00	13.50	12.64	0.00	147.00	13.50	12.64	0.00
121.50	13.50	12.64	0.00	147.50	13.50	12.64	0.00
122.00	13.50	12.64	0.00	148.00	13.50	12.64	0.00
122.50	13.50	12.64	0.00	148.50	13.50	12.64	0.00
123.00	13.50	12.64	0.00	149.00	13.50	12.64	0.00
123.50	13.50	12.64	0.00	149.50	13.50	12.64	0.00
124.00	13.50	12.64	0.00	150.00	13.50	12.64	0.00
124.50	13.50	12.64	0.00				
125.00	13.50	12.64	0.00				
125.50	13.50	12.64	0.00				
126.00	13.50	12.64	0.00				
126.50	13.50	12.64	0.00				
127.00	13.50	12.64	0.00				
127.50	13.50	12.64	0.00				
128.00	13.50	12.64	0.00				
128.50	13.50	12.64	0.00				
129.00	13.50	12.64	0.00				
129.50	13.50	12.64	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Summary for Subcatchment 11S: SB-5

Runoff = 22.05 cfs @ 59.95 hrs, Volume= 4.524 af, Depth=13.14"

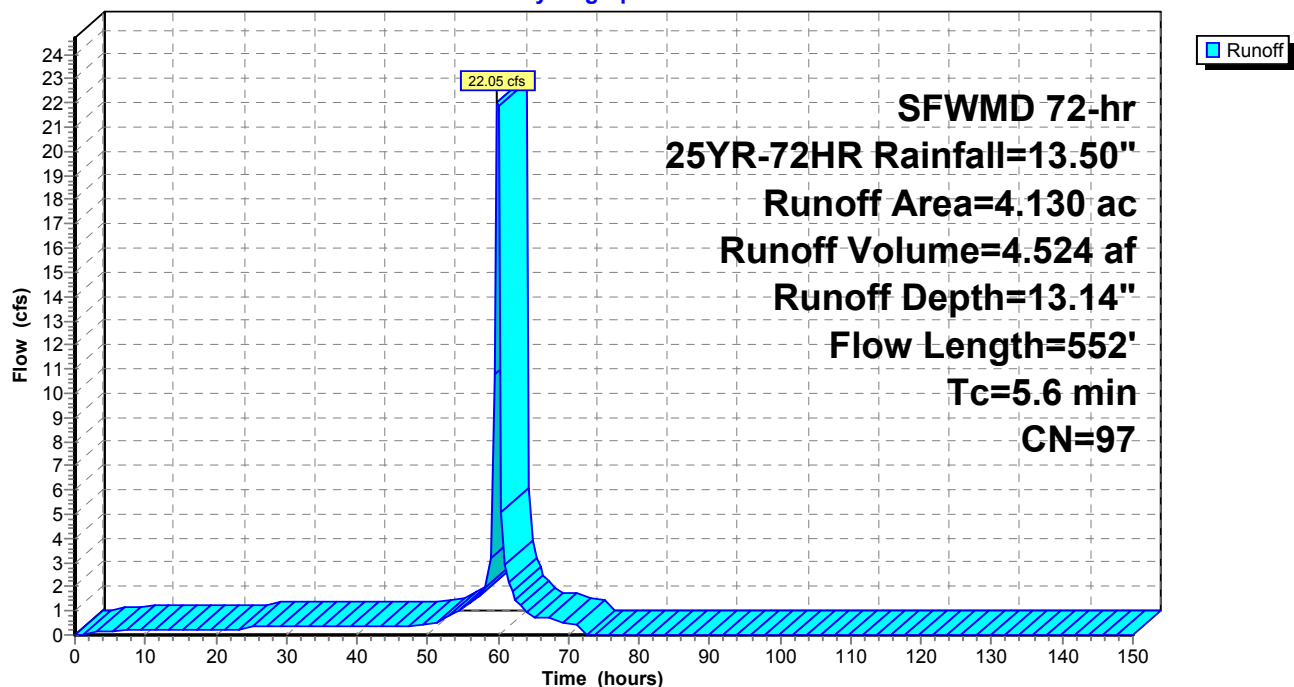
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
0.570	98	Roofs, HSG C
0.880	98	Paved parking, HSG C
* 0.560	98	Gravel surface, HSG C
0.170	74	>75% Grass cover, Good, HSG C
1.950	98	Water Surface, HSG C
4.130	97	Weighted Average
0.170		4.12% Pervious Area
3.960		95.88% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8	130	0.0020	0.77		Sheet Flow, Overland Flow Smooth surfaces n= 0.011 P2= 5.70"
2.8	422	0.0150	2.49		Shallow Concentrated Flow, Overland Flow Paved Kv= 20.3 fps
5.6	552	Total			

Subcatchment 11S: SB-5

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 11S: SB-5

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	1.61	1.29	0.34
0.50	0.03	0.00	0.00	26.50	1.65	1.33	0.35
1.00	0.06	0.00	0.00	27.00	1.70	1.37	0.35
1.50	0.09	0.00	0.03	27.50	1.74	1.42	0.36
2.00	0.12	0.01	0.07	28.00	1.78	1.46	0.36
2.50	0.15	0.02	0.10	28.50	1.83	1.50	0.37
3.00	0.18	0.03	0.12	29.00	1.88	1.55	0.38
3.50	0.21	0.05	0.14	29.50	1.92	1.60	0.38
4.00	0.24	0.07	0.15	30.00	1.97	1.64	0.43
4.50	0.27	0.09	0.16	30.50	2.02	1.69	0.36
5.00	0.30	0.11	0.17	31.00	2.06	1.73	0.36
5.50	0.33	0.13	0.18	31.50	2.11	1.78	0.36
6.00	0.36	0.15	0.19	32.00	2.15	1.82	0.36
6.50	0.39	0.17	0.19	32.50	2.20	1.86	0.36
7.00	0.43	0.20	0.20	33.00	2.24	1.91	0.36
7.50	0.46	0.22	0.20	33.50	2.28	1.95	0.36
8.00	0.49	0.25	0.21	34.00	2.33	1.99	0.36
8.50	0.52	0.27	0.21	34.50	2.37	2.04	0.36
9.00	0.55	0.30	0.21	35.00	2.42	2.08	0.36
9.50	0.58	0.32	0.22	35.50	2.46	2.12	0.36
10.00	0.61	0.35	0.22	36.00	2.50	2.17	0.36
10.50	0.64	0.37	0.22	36.50	2.55	2.21	0.36
11.00	0.67	0.40	0.22	37.00	2.59	2.25	0.36
11.50	0.70	0.43	0.23	37.50	2.63	2.30	0.36
12.00	0.73	0.46	0.23	38.00	2.68	2.34	0.36
12.50	0.76	0.48	0.23	38.50	2.72	2.38	0.36
13.00	0.79	0.51	0.23	39.00	2.77	2.43	0.36
13.50	0.82	0.54	0.23	39.50	2.81	2.47	0.36
14.00	0.85	0.57	0.23	40.00	2.85	2.51	0.36
14.50	0.88	0.59	0.23	40.50	2.90	2.56	0.36
15.00	0.91	0.62	0.23	41.00	2.94	2.60	0.36
15.50	0.94	0.65	0.24	41.50	2.99	2.64	0.36
16.00	0.97	0.68	0.24	42.00	3.03	2.69	0.36
16.50	1.00	0.71	0.24	42.50	3.07	2.73	0.36
17.00	1.03	0.74	0.24	43.00	3.12	2.77	0.36
17.50	1.06	0.76	0.24	43.50	3.16	2.82	0.36
18.00	1.09	0.79	0.24	44.00	3.20	2.86	0.36
18.50	1.12	0.82	0.24	44.50	3.25	2.91	0.36
19.00	1.15	0.85	0.24	45.00	3.29	2.95	0.36
19.50	1.18	0.88	0.24	45.50	3.34	2.99	0.36
20.00	1.21	0.91	0.24	46.00	3.38	3.04	0.36
20.50	1.25	0.94	0.24	46.50	3.42	3.08	0.36
21.00	1.28	0.97	0.24	47.00	3.47	3.12	0.36
21.50	1.31	1.00	0.24	47.50	3.51	3.17	0.36
22.00	1.34	1.03	0.24	48.00	3.56	3.21	0.44
22.50	1.37	1.05	0.24	48.50	3.61	3.27	0.41
23.00	1.40	1.08	0.24	49.00	3.66	3.32	0.41
23.50	1.43	1.11	0.24	49.50	3.71	3.37	0.42
24.00	1.46	1.14	0.26	50.00	3.76	3.42	0.46
24.50	1.49	1.17	0.32	50.50	3.82	3.48	0.49
25.00	1.53	1.21	0.33	51.00	3.88	3.54	0.51
25.50	1.57	1.25	0.33	51.50	3.95	3.60	0.54

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 11S: SB-5 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	4.01	3.67	0.59	78.00	13.50	13.14	0.00
52.50	4.10	3.75	0.70	78.50	13.50	13.14	0.00
53.00	4.19	3.84	0.77	79.00	13.50	13.14	0.00
53.50	4.28	3.93	0.84	79.50	13.50	13.14	0.00
54.00	4.39	4.04	0.92	80.00	13.50	13.14	0.00
54.50	4.51	4.16	1.02	80.50	13.50	13.14	0.00
55.00	4.64	4.29	1.10	81.00	13.50	13.14	0.00
55.50	4.78	4.43	1.18	81.50	13.50	13.14	0.00
56.00	4.93	4.58	1.28	82.00	13.50	13.14	0.00
56.50	5.10	4.74	1.43	82.50	13.50	13.14	0.00
57.00	5.28	4.92	1.55	83.00	13.50	13.14	0.00
57.50	5.47	5.12	1.66	83.50	13.50	13.14	0.00
58.00	5.68	5.33	1.80	84.00	13.50	13.14	0.00
58.50	5.92	5.56	2.14	84.50	13.50	13.14	0.00
59.00	6.24	5.88	3.15	85.00	13.50	13.14	0.00
59.50	6.74	6.38	10.77	85.50	13.50	13.14	0.00
60.00	10.08	9.72	21.91	86.00	13.50	13.14	0.00
60.50	10.81	10.45	5.05	86.50	13.50	13.14	0.00
61.00	11.19	10.82	2.89	87.00	13.50	13.14	0.00
61.50	11.46	11.09	2.16	87.50	13.50	13.14	0.00
62.00	11.69	11.33	1.79	88.00	13.50	13.14	0.00
62.50	11.87	11.51	1.44	88.50	13.50	13.14	0.00
63.00	12.03	11.67	1.31	89.00	13.50	13.14	0.00
63.50	12.18	11.82	1.17	89.50	13.50	13.14	0.00
64.00	12.31	11.95	0.95	90.00	13.50	13.14	0.00
64.50	12.40	12.03	0.74	90.50	13.50	13.14	0.00
65.00	12.49	12.12	0.74	91.00	13.50	13.14	0.00
65.50	12.58	12.21	0.74	91.50	13.50	13.14	0.00
66.00	12.66	12.30	0.75	92.00	13.50	13.14	0.00
66.50	12.75	12.39	0.74	92.50	13.50	13.14	0.00
67.00	12.84	12.48	0.77	93.00	13.50	13.14	0.00
67.50	12.94	12.58	0.76	93.50	13.50	13.14	0.00
68.00	13.02	12.66	0.62	94.00	13.50	13.14	0.00
68.50	13.08	12.72	0.49	94.50	13.50	13.14	0.00
69.00	13.14	12.78	0.49	95.00	13.50	13.14	0.00
69.50	13.20	12.84	0.49	95.50	13.50	13.14	0.00
70.00	13.26	12.90	0.49	96.00	13.50	13.14	0.00
70.50	13.32	12.96	0.49	96.50	13.50	13.14	0.00
71.00	13.38	13.02	0.49	97.00	13.50	13.14	0.00
71.50	13.44	13.08	0.49	97.50	13.50	13.14	0.00
72.00	13.50	13.14	0.34	98.00	13.50	13.14	0.00
72.50	13.50	13.14	0.00	98.50	13.50	13.14	0.00
73.00	13.50	13.14	0.00	99.00	13.50	13.14	0.00
73.50	13.50	13.14	0.00	99.50	13.50	13.14	0.00
74.00	13.50	13.14	0.00	100.00	13.50	13.14	0.00
74.50	13.50	13.14	0.00	100.50	13.50	13.14	0.00
75.00	13.50	13.14	0.00	101.00	13.50	13.14	0.00
75.50	13.50	13.14	0.00	101.50	13.50	13.14	0.00
76.00	13.50	13.14	0.00	102.00	13.50	13.14	0.00
76.50	13.50	13.14	0.00	102.50	13.50	13.14	0.00
77.00	13.50	13.14	0.00	103.00	13.50	13.14	0.00
77.50	13.50	13.14	0.00	103.50	13.50	13.14	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 11S: SB-5 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	13.50	13.14	0.00	130.00	13.50	13.14	0.00
104.50	13.50	13.14	0.00	130.50	13.50	13.14	0.00
105.00	13.50	13.14	0.00	131.00	13.50	13.14	0.00
105.50	13.50	13.14	0.00	131.50	13.50	13.14	0.00
106.00	13.50	13.14	0.00	132.00	13.50	13.14	0.00
106.50	13.50	13.14	0.00	132.50	13.50	13.14	0.00
107.00	13.50	13.14	0.00	133.00	13.50	13.14	0.00
107.50	13.50	13.14	0.00	133.50	13.50	13.14	0.00
108.00	13.50	13.14	0.00	134.00	13.50	13.14	0.00
108.50	13.50	13.14	0.00	134.50	13.50	13.14	0.00
109.00	13.50	13.14	0.00	135.00	13.50	13.14	0.00
109.50	13.50	13.14	0.00	135.50	13.50	13.14	0.00
110.00	13.50	13.14	0.00	136.00	13.50	13.14	0.00
110.50	13.50	13.14	0.00	136.50	13.50	13.14	0.00
111.00	13.50	13.14	0.00	137.00	13.50	13.14	0.00
111.50	13.50	13.14	0.00	137.50	13.50	13.14	0.00
112.00	13.50	13.14	0.00	138.00	13.50	13.14	0.00
112.50	13.50	13.14	0.00	138.50	13.50	13.14	0.00
113.00	13.50	13.14	0.00	139.00	13.50	13.14	0.00
113.50	13.50	13.14	0.00	139.50	13.50	13.14	0.00
114.00	13.50	13.14	0.00	140.00	13.50	13.14	0.00
114.50	13.50	13.14	0.00	140.50	13.50	13.14	0.00
115.00	13.50	13.14	0.00	141.00	13.50	13.14	0.00
115.50	13.50	13.14	0.00	141.50	13.50	13.14	0.00
116.00	13.50	13.14	0.00	142.00	13.50	13.14	0.00
116.50	13.50	13.14	0.00	142.50	13.50	13.14	0.00
117.00	13.50	13.14	0.00	143.00	13.50	13.14	0.00
117.50	13.50	13.14	0.00	143.50	13.50	13.14	0.00
118.00	13.50	13.14	0.00	144.00	13.50	13.14	0.00
118.50	13.50	13.14	0.00	144.50	13.50	13.14	0.00
119.00	13.50	13.14	0.00	145.00	13.50	13.14	0.00
119.50	13.50	13.14	0.00	145.50	13.50	13.14	0.00
120.00	13.50	13.14	0.00	146.00	13.50	13.14	0.00
120.50	13.50	13.14	0.00	146.50	13.50	13.14	0.00
121.00	13.50	13.14	0.00	147.00	13.50	13.14	0.00
121.50	13.50	13.14	0.00	147.50	13.50	13.14	0.00
122.00	13.50	13.14	0.00	148.00	13.50	13.14	0.00
122.50	13.50	13.14	0.00	148.50	13.50	13.14	0.00
123.00	13.50	13.14	0.00	149.00	13.50	13.14	0.00
123.50	13.50	13.14	0.00	149.50	13.50	13.14	0.00
124.00	13.50	13.14	0.00	150.00	13.50	13.14	0.00
124.50	13.50	13.14	0.00				
125.00	13.50	13.14	0.00				
125.50	13.50	13.14	0.00				
126.00	13.50	13.14	0.00				
126.50	13.50	13.14	0.00				
127.00	13.50	13.14	0.00				
127.50	13.50	13.14	0.00				
128.00	13.50	13.14	0.00				
128.50	13.50	13.14	0.00				
129.00	13.50	13.14	0.00				
129.50	13.50	13.14	0.00				

Proposed Stormwater Model REV 1

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SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Summary for Subcatchment 17S: SB-6 (fuel unloading area)

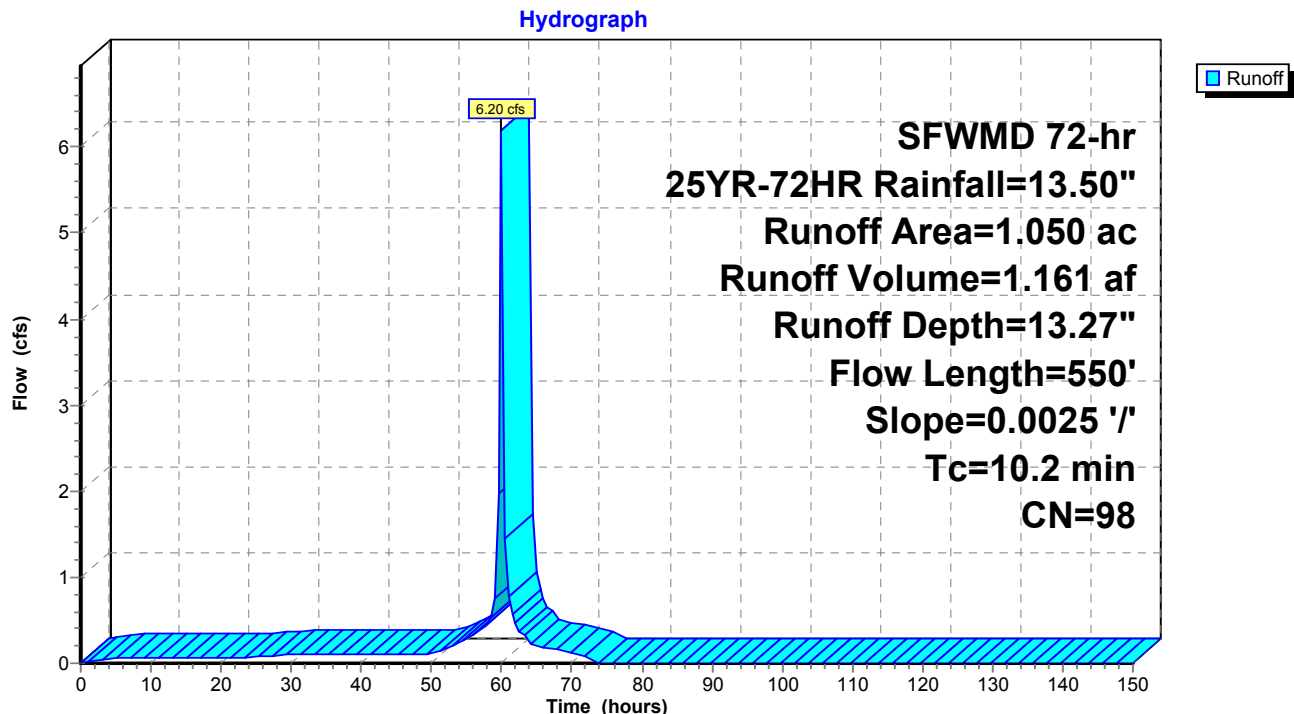
Runoff = 6.20 cfs @ 59.98 hrs, Volume= 1.161 af, Depth=13.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
* 0.690	98	Gravel surface, HSG C
* 0.360	98	Paved road, HSG C
1.050	98	Weighted Average
1.050		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	300	0.0025	1.00		Sheet Flow, Overland Smooth surfaces n= 0.011 P2= 5.70"
5.2	250	0.0025	0.80		Shallow Concentrated Flow, Overland Unpaved Kv= 16.1 fps
10.2	550	Total			

Subcatchment 17S: SB-6 (fuel unloading area)



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 17S: SB-6 (fuel unloading area)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	1.61	1.39	0.09
0.50	0.03	0.00	0.00	26.50	1.65	1.43	0.09
1.00	0.06	0.00	0.01	27.00	1.70	1.47	0.09
1.50	0.09	0.01	0.02	27.50	1.74	1.52	0.09
2.00	0.12	0.02	0.03	28.00	1.78	1.56	0.09
2.50	0.15	0.04	0.04	28.50	1.83	1.61	0.10
3.00	0.18	0.06	0.04	29.00	1.88	1.65	0.10
3.50	0.21	0.08	0.04	29.50	1.92	1.70	0.10
4.00	0.24	0.10	0.05	30.00	1.97	1.74	0.11
4.50	0.27	0.12	0.05	30.50	2.02	1.79	0.09
5.00	0.30	0.15	0.05	31.00	2.06	1.84	0.09
5.50	0.33	0.17	0.05	31.50	2.11	1.88	0.09
6.00	0.36	0.20	0.05	32.00	2.15	1.92	0.09
6.50	0.39	0.22	0.06	32.50	2.20	1.97	0.09
7.00	0.43	0.25	0.06	33.00	2.24	2.01	0.09
7.50	0.46	0.28	0.06	33.50	2.28	2.06	0.09
8.00	0.49	0.31	0.06	34.00	2.33	2.10	0.09
8.50	0.52	0.33	0.06	34.50	2.37	2.14	0.09
9.00	0.55	0.36	0.06	35.00	2.42	2.19	0.09
9.50	0.58	0.39	0.06	35.50	2.46	2.23	0.09
10.00	0.61	0.42	0.06	36.00	2.50	2.27	0.09
10.50	0.64	0.44	0.06	36.50	2.55	2.32	0.09
11.00	0.67	0.47	0.06	37.00	2.59	2.36	0.09
11.50	0.70	0.50	0.06	37.50	2.63	2.40	0.09
12.00	0.73	0.53	0.06	38.00	2.68	2.45	0.09
12.50	0.76	0.56	0.06	38.50	2.72	2.49	0.09
13.00	0.79	0.59	0.06	39.00	2.77	2.54	0.09
13.50	0.82	0.62	0.06	39.50	2.81	2.58	0.09
14.00	0.85	0.65	0.06	40.00	2.85	2.62	0.09
14.50	0.88	0.68	0.06	40.50	2.90	2.67	0.09
15.00	0.91	0.71	0.06	41.00	2.94	2.71	0.09
15.50	0.94	0.73	0.06	41.50	2.99	2.75	0.09
16.00	0.97	0.76	0.06	42.00	3.03	2.80	0.09
16.50	1.00	0.79	0.06	42.50	3.07	2.84	0.09
17.00	1.03	0.82	0.06	43.00	3.12	2.88	0.09
17.50	1.06	0.85	0.06	43.50	3.16	2.93	0.09
18.00	1.09	0.88	0.06	44.00	3.20	2.97	0.09
18.50	1.12	0.91	0.06	44.50	3.25	3.02	0.09
19.00	1.15	0.94	0.06	45.00	3.29	3.06	0.09
19.50	1.18	0.97	0.06	45.50	3.34	3.10	0.09
20.00	1.21	1.00	0.06	46.00	3.38	3.15	0.09
20.50	1.25	1.03	0.06	46.50	3.42	3.19	0.09
21.00	1.28	1.06	0.06	47.00	3.47	3.23	0.09
21.50	1.31	1.09	0.06	47.50	3.51	3.28	0.09
22.00	1.34	1.12	0.06	48.00	3.56	3.32	0.11
22.50	1.37	1.15	0.06	48.50	3.61	3.38	0.11
23.00	1.40	1.18	0.06	49.00	3.66	3.43	0.10
23.50	1.43	1.21	0.06	49.50	3.71	3.48	0.11
24.00	1.46	1.24	0.06	50.00	3.76	3.53	0.11
24.50	1.49	1.27	0.08	50.50	3.82	3.59	0.12
25.00	1.53	1.31	0.08	51.00	3.88	3.65	0.13
25.50	1.57	1.35	0.09	51.50	3.95	3.71	0.14

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 17S: SB-6 (fuel unloading area) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	4.01	3.78	0.15	78.00	13.50	13.26	0.00
52.50	4.10	3.86	0.18	78.50	13.50	13.26	0.00
53.00	4.19	3.95	0.19	79.00	13.50	13.26	0.00
53.50	4.28	4.05	0.21	79.50	13.50	13.26	0.00
54.00	4.39	4.16	0.23	80.00	13.50	13.26	0.00
54.50	4.51	4.28	0.26	80.50	13.50	13.26	0.00
55.00	4.64	4.40	0.28	81.00	13.50	13.26	0.00
55.50	4.78	4.54	0.30	81.50	13.50	13.26	0.00
56.00	4.93	4.69	0.32	82.00	13.50	13.26	0.00
56.50	5.10	4.86	0.36	82.50	13.50	13.26	0.00
57.00	5.28	5.04	0.39	83.00	13.50	13.26	0.00
57.50	5.47	5.24	0.42	83.50	13.50	13.26	0.00
58.00	5.68	5.45	0.45	84.00	13.50	13.26	0.00
58.50	5.92	5.68	0.53	84.50	13.50	13.26	0.00
59.00	6.24	6.00	0.75	85.00	13.50	13.26	0.00
59.50	6.74	6.50	1.98	85.50	13.50	13.26	0.00
60.00	10.08	9.84	6.20	86.00	13.50	13.26	0.00
60.50	10.81	10.57	1.44	86.50	13.50	13.26	0.00
61.00	11.19	10.94	0.77	87.00	13.50	13.26	0.00
61.50	11.46	11.21	0.56	87.50	13.50	13.26	0.00
62.00	11.69	11.45	0.47	88.00	13.50	13.26	0.00
62.50	11.87	11.63	0.37	88.50	13.50	13.26	0.00
63.00	12.03	11.79	0.34	89.00	13.50	13.26	0.00
63.50	12.18	11.94	0.30	89.50	13.50	13.26	0.00
64.00	12.31	12.07	0.25	90.00	13.50	13.26	0.00
64.50	12.40	12.16	0.19	90.50	13.50	13.26	0.00
65.00	12.49	12.24	0.19	91.00	13.50	13.26	0.00
65.50	12.58	12.33	0.19	91.50	13.50	13.26	0.00
66.00	12.66	12.42	0.19	92.00	13.50	13.26	0.00
66.50	12.75	12.51	0.19	92.50	13.50	13.26	0.00
67.00	12.84	12.60	0.19	93.00	13.50	13.26	0.00
67.50	12.94	12.70	0.20	93.50	13.50	13.26	0.00
68.00	13.02	12.78	0.17	94.00	13.50	13.26	0.00
68.50	13.08	12.84	0.13	94.50	13.50	13.26	0.00
69.00	13.14	12.90	0.13	95.00	13.50	13.26	0.00
69.50	13.20	12.96	0.13	95.50	13.50	13.26	0.00
70.00	13.26	13.02	0.13	96.00	13.50	13.26	0.00
70.50	13.32	13.08	0.13	96.50	13.50	13.26	0.00
71.00	13.38	13.14	0.13	97.00	13.50	13.26	0.00
71.50	13.44	13.20	0.13	97.50	13.50	13.26	0.00
72.00	13.50	13.26	0.10	98.00	13.50	13.26	0.00
72.50	13.50	13.26	0.00	98.50	13.50	13.26	0.00
73.00	13.50	13.26	0.00	99.00	13.50	13.26	0.00
73.50	13.50	13.26	0.00	99.50	13.50	13.26	0.00
74.00	13.50	13.26	0.00	100.00	13.50	13.26	0.00
74.50	13.50	13.26	0.00	100.50	13.50	13.26	0.00
75.00	13.50	13.26	0.00	101.00	13.50	13.26	0.00
75.50	13.50	13.26	0.00	101.50	13.50	13.26	0.00
76.00	13.50	13.26	0.00	102.00	13.50	13.26	0.00
76.50	13.50	13.26	0.00	102.50	13.50	13.26	0.00
77.00	13.50	13.26	0.00	103.00	13.50	13.26	0.00
77.50	13.50	13.26	0.00	103.50	13.50	13.26	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Subcatchment 17S: SB-6 (fuel unloading area) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	13.50	13.26	0.00	130.00	13.50	13.26	0.00
104.50	13.50	13.26	0.00	130.50	13.50	13.26	0.00
105.00	13.50	13.26	0.00	131.00	13.50	13.26	0.00
105.50	13.50	13.26	0.00	131.50	13.50	13.26	0.00
106.00	13.50	13.26	0.00	132.00	13.50	13.26	0.00
106.50	13.50	13.26	0.00	132.50	13.50	13.26	0.00
107.00	13.50	13.26	0.00	133.00	13.50	13.26	0.00
107.50	13.50	13.26	0.00	133.50	13.50	13.26	0.00
108.00	13.50	13.26	0.00	134.00	13.50	13.26	0.00
108.50	13.50	13.26	0.00	134.50	13.50	13.26	0.00
109.00	13.50	13.26	0.00	135.00	13.50	13.26	0.00
109.50	13.50	13.26	0.00	135.50	13.50	13.26	0.00
110.00	13.50	13.26	0.00	136.00	13.50	13.26	0.00
110.50	13.50	13.26	0.00	136.50	13.50	13.26	0.00
111.00	13.50	13.26	0.00	137.00	13.50	13.26	0.00
111.50	13.50	13.26	0.00	137.50	13.50	13.26	0.00
112.00	13.50	13.26	0.00	138.00	13.50	13.26	0.00
112.50	13.50	13.26	0.00	138.50	13.50	13.26	0.00
113.00	13.50	13.26	0.00	139.00	13.50	13.26	0.00
113.50	13.50	13.26	0.00	139.50	13.50	13.26	0.00
114.00	13.50	13.26	0.00	140.00	13.50	13.26	0.00
114.50	13.50	13.26	0.00	140.50	13.50	13.26	0.00
115.00	13.50	13.26	0.00	141.00	13.50	13.26	0.00
115.50	13.50	13.26	0.00	141.50	13.50	13.26	0.00
116.00	13.50	13.26	0.00	142.00	13.50	13.26	0.00
116.50	13.50	13.26	0.00	142.50	13.50	13.26	0.00
117.00	13.50	13.26	0.00	143.00	13.50	13.26	0.00
117.50	13.50	13.26	0.00	143.50	13.50	13.26	0.00
118.00	13.50	13.26	0.00	144.00	13.50	13.26	0.00
118.50	13.50	13.26	0.00	144.50	13.50	13.26	0.00
119.00	13.50	13.26	0.00	145.00	13.50	13.26	0.00
119.50	13.50	13.26	0.00	145.50	13.50	13.26	0.00
120.00	13.50	13.26	0.00	146.00	13.50	13.26	0.00
120.50	13.50	13.26	0.00	146.50	13.50	13.26	0.00
121.00	13.50	13.26	0.00	147.00	13.50	13.26	0.00
121.50	13.50	13.26	0.00	147.50	13.50	13.26	0.00
122.00	13.50	13.26	0.00	148.00	13.50	13.26	0.00
122.50	13.50	13.26	0.00	148.50	13.50	13.26	0.00
123.00	13.50	13.26	0.00	149.00	13.50	13.26	0.00
123.50	13.50	13.26	0.00	149.50	13.50	13.26	0.00
124.00	13.50	13.26	0.00	150.00	13.50	13.26	0.00
124.50	13.50	13.26	0.00				
125.00	13.50	13.26	0.00				
125.50	13.50	13.26	0.00				
126.00	13.50	13.26	0.00				
126.50	13.50	13.26	0.00				
127.00	13.50	13.26	0.00				
127.50	13.50	13.26	0.00				
128.00	13.50	13.26	0.00				
128.50	13.50	13.26	0.00				
129.00	13.50	13.26	0.00				
129.50	13.50	13.26	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Summary for Pond 2P: Pond 3

Inflow Area = 3.790 ac, 100.00% Impervious, Inflow Depth = 13.27" for 25YR-72HR event
Inflow = 22.66 cfs @ 59.99 hrs, Volume= 4.190 af
Outflow = 2.88 cfs @ 63.82 hrs, Volume= 4.098 af, Atten= 87%, Lag= 230.0 min
Primary = 2.88 cfs @ 63.82 hrs, Volume= 4.098 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
Peak Elev= 7.68' @ 61.55 hrs Surf.Area= 0 sf Storage= 90,737 cf

Plug-Flow detention time= 641.8 min calculated for 4.084 af (97% of inflow)
Center-of-Mass det. time= 629.9 min (3,744.0 - 3,114.1)

Volume	Invert	Avail.Storage	Storage Description
#1	4.50'	135,718 cf	Custom Stage Data Listed below

Elevation (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
4.50	0	0
5.00	12,339	12,339
6.00	27,146	39,485
7.00	29,565	69,050
8.00	32,054	101,104
9.00	34,614	135,718

Device	Routing	Invert	Outlet Devices
#1	Primary	4.50'	12.0" Round Culvert L= 100.0' RCP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 4.50' / 3.75' S= 0.0075 ' / Cc= 0.900 n= 0.013 Concrete, trowel finish, Flow Area= 0.79 sf

Primary OutFlow Max=3.01 cfs @ 63.82 hrs HW=7.35' TW=6.25' (Dynamic Tailwater)
↑ **1=Culvert** (Outlet Controls 3.01 cfs @ 3.83 fps)

Proposed Stormwater Model REV 1

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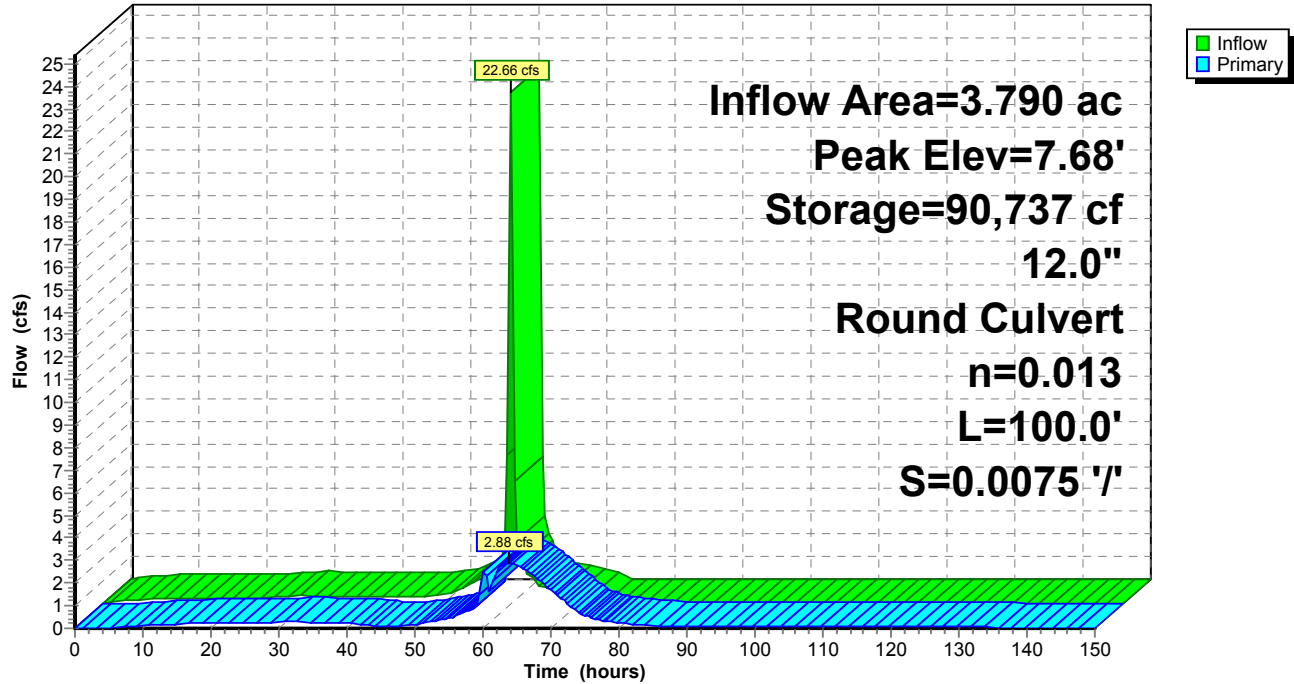
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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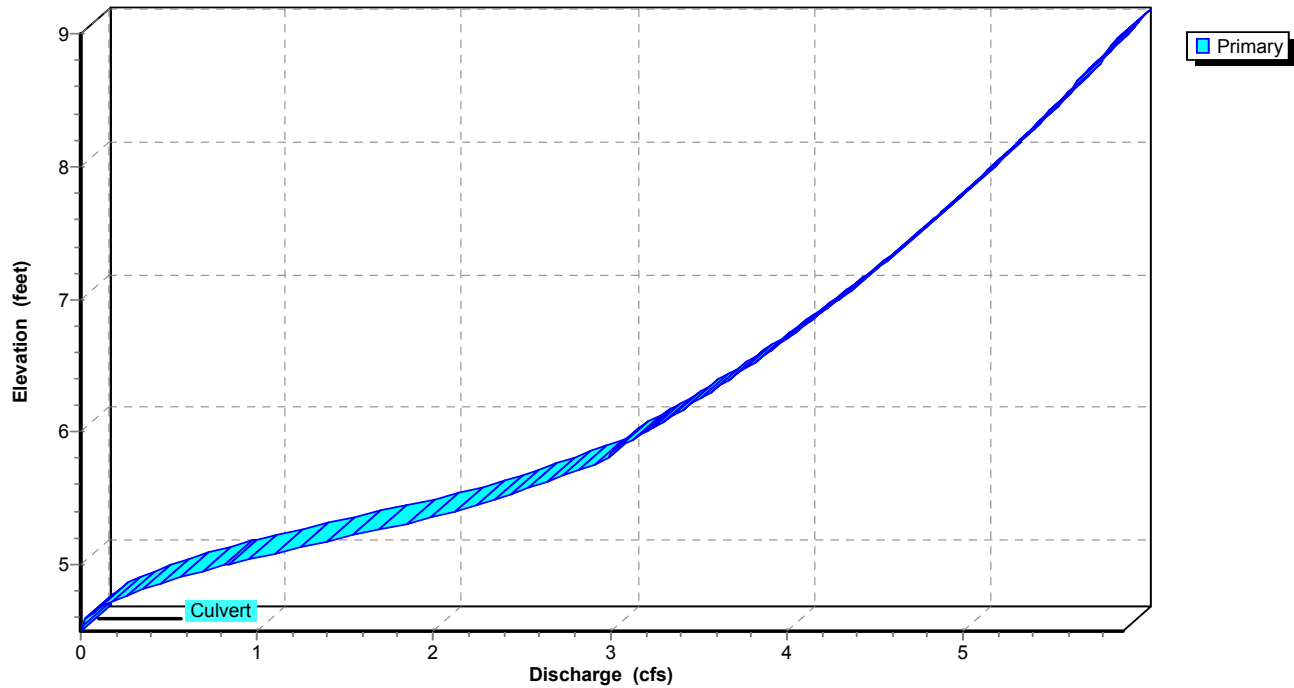
Pond 2P: Pond 3

Hydrograph



Pond 2P: Pond 3

Stage-Discharge



Proposed Stormwater Model REV 1

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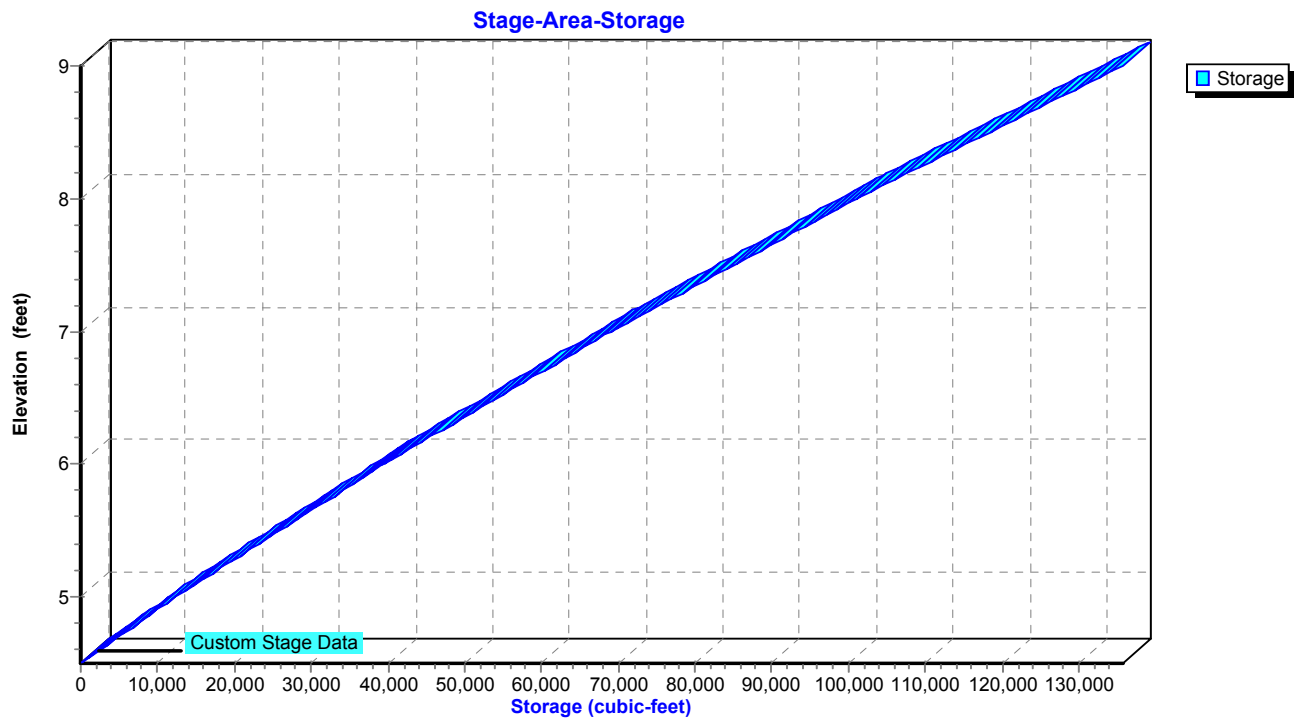
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SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Pond 2P: Pond 3



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Pond 2P: Pond 3

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
0.00	0.00	0	4.50	0.00	0.000
0.50	0.00	0	4.50	0.00	0.000
1.00	0.02	19	4.50	0.00	0.000
1.50	0.07	99	4.50	0.00	0.000
2.00	0.10	253	4.51	0.00	0.000
2.50	0.13	459	4.52	0.00	0.000
3.00	0.15	702	4.53	0.00	0.000
3.50	0.16	970	4.54	0.00	0.000
4.00	0.17	1,255	4.55	0.01	0.001
4.50	0.18	1,550	4.56	0.01	0.001
5.00	0.19	1,849	4.57	0.02	0.002
5.50	0.19	2,148	4.59	0.03	0.003
6.00	0.20	2,443	4.60	0.03	0.004
6.50	0.20	2,730	4.61	0.04	0.006
7.00	0.20	3,008	4.62	0.05	0.008
7.50	0.21	3,273	4.63	0.06	0.011
8.00	0.21	3,524	4.64	0.07	0.014
8.50	0.21	3,761	4.65	0.08	0.017
9.00	0.21	3,983	4.66	0.09	0.021
9.50	0.21	4,189	4.67	0.10	0.026
10.00	0.22	4,380	4.68	0.11	0.030
10.50	0.22	4,556	4.68	0.12	0.035
11.00	0.22	4,718	4.69	0.13	0.041
11.50	0.22	4,866	4.70	0.14	0.047
12.00	0.22	5,000	4.70	0.15	0.053
12.50	0.22	5,123	4.71	0.16	0.059
13.00	0.22	5,234	4.71	0.16	0.066
13.50	0.22	5,334	4.72	0.17	0.073
14.00	0.22	5,425	4.72	0.17	0.080
14.50	0.22	5,506	4.72	0.18	0.088
15.00	0.22	5,580	4.73	0.18	0.095
15.50	0.22	5,646	4.73	0.19	0.103
16.00	0.22	5,705	4.73	0.19	0.111
16.50	0.22	5,758	4.73	0.20	0.119
17.00	0.23	5,806	4.74	0.20	0.127
17.50	0.23	5,849	4.74	0.20	0.136
18.00	0.23	5,887	4.74	0.21	0.144
18.50	0.23	5,922	4.74	0.21	0.153
19.00	0.23	5,952	4.74	0.21	0.162
19.50	0.23	5,980	4.74	0.21	0.170
20.00	0.23	6,005	4.74	0.21	0.179
20.50	0.23	6,030	4.74	0.21	0.188
21.00	0.23	6,056	4.75	0.21	0.197
21.50	0.23	6,083	4.75	0.21	0.206
22.00	0.23	6,111	4.75	0.21	0.214
22.50	0.23	6,140	4.75	0.21	0.223
23.00	0.23	6,170	4.75	0.21	0.232
23.50	0.23	6,200	4.75	0.21	0.241
24.00	0.23	6,230	4.75	0.21	0.249
24.50	0.29	6,316	4.76	0.21	0.258
25.00	0.30	6,460	4.76	0.22	0.267
25.50	0.31	6,604	4.77	0.23	0.277

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Pond 2P: Pond 3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
26.00	0.31	6,746	4.77	0.24	0.287
26.50	0.32	6,887	4.78	0.24	0.297
27.00	0.33	7,027	4.78	0.25	0.307
27.50	0.33	7,168	4.79	0.25	0.317
28.00	0.34	7,308	4.80	0.26	0.328
28.50	0.34	7,450	4.80	0.26	0.339
29.00	0.35	7,593	4.81	0.27	0.350
29.50	0.36	7,738	4.81	0.27	0.361
30.00	0.40	7,917	4.82	0.28	0.373
30.50	0.34	8,074	4.83	0.28	0.385
31.00	0.33	8,170	4.83	0.28	0.396
31.50	0.33	8,260	4.83	0.28	0.408
32.00	0.33	8,352	4.84	0.28	0.420
32.50	0.33	8,447	4.84	0.28	0.431
33.00	0.33	8,546	4.85	0.28	0.443
33.50	0.33	8,649	4.85	0.27	0.454
34.00	0.33	8,755	4.85	0.27	0.465
34.50	0.33	8,867	4.86	0.27	0.476
35.00	0.33	8,984	4.86	0.27	0.488
35.50	0.33	9,106	4.87	0.26	0.498
36.00	0.33	9,235	4.87	0.26	0.509
36.50	0.33	9,371	4.88	0.26	0.520
37.00	0.33	9,515	4.89	0.25	0.530
37.50	0.33	9,668	4.89	0.25	0.540
38.00	0.33	9,830	4.90	0.24	0.550
38.50	0.33	10,003	4.91	0.23	0.560
39.00	0.33	10,187	4.91	0.23	0.569
39.50	0.33	10,385	4.92	0.22	0.578
40.00	0.33	10,598	4.93	0.21	0.587
40.50	0.33	10,827	4.94	0.20	0.595
41.00	0.33	11,075	4.95	0.19	0.603
41.50	0.33	11,344	4.96	0.18	0.611
42.00	0.33	11,637	4.97	0.16	0.617
42.50	0.33	11,957	4.98	0.15	0.624
43.00	0.33	12,307	5.00	0.13	0.629
43.50	0.33	12,694	5.01	0.11	0.633
44.00	0.33	13,122	5.03	0.09	0.637
44.50	0.33	13,580	5.05	0.07	0.640
45.00	0.33	14,060	5.06	0.06	0.643
45.50	0.33	14,546	5.08	0.07	0.645
46.00	0.33	15,023	5.10	0.07	0.648
46.50	0.33	15,483	5.12	0.08	0.652
47.00	0.33	15,922	5.13	0.10	0.656
47.50	0.33	16,341	5.15	0.11	0.660
48.00	0.39	16,775	5.16	0.13	0.666
48.50	0.38	17,218	5.18	0.15	0.672
49.00	0.38	17,634	5.20	0.15	0.678
49.50	0.38	18,037	5.21	0.16	0.685
50.00	0.41	18,439	5.22	0.18	0.692
50.50	0.44	18,861	5.24	0.20	0.701
51.00	0.47	19,298	5.26	0.22	0.710
51.50	0.49	19,746	5.27	0.24	0.720

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Pond 2P: Pond 3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
52.00	0.52	20,215	5.29	0.26	0.730
52.50	0.63	20,767	5.31	0.29	0.742
53.00	0.70	21,414	5.33	0.32	0.756
53.50	0.76	22,121	5.36	0.35	0.770
54.00	0.83	22,898	5.39	0.38	0.786
54.50	0.92	23,760	5.42	0.42	0.803
55.00	1.00	24,700	5.46	0.46	0.822
55.50	1.07	25,700	5.49	0.50	0.842
56.00	1.15	26,758	5.53	0.55	0.865
56.50	1.30	27,917	5.57	0.61	0.890
57.00	1.40	29,186	5.62	0.68	0.919
57.50	1.51	30,531	5.67	0.74	0.949
58.00	1.62	31,958	5.72	0.80	0.982
58.50	1.89	33,593	5.78	0.89	1.019
59.00	2.65	35,969	5.87	1.01	1.061
59.50	6.63	42,097	6.09	1.46	1.121
60.00	22.65	64,870	6.86	2.52	1.225
60.50	5.45	85,787	7.52	2.34	1.322
61.00	2.82	89,680	7.64	1.60	1.388
61.50	2.04	90,729	7.68	2.09	1.474
62.00	1.72	90,012	7.65	2.47	1.576
62.50	1.35	88,133	7.60	2.69	1.688
63.00	1.22	85,493	7.51	2.81	1.804
63.50	1.10	82,469	7.42	2.87	1.922
64.00	0.93	79,125	7.31	2.88	2.041
64.50	0.69	75,433	7.20	2.84	2.159
65.00	0.68	71,592	7.08	2.79	2.274
65.50	0.68	67,852	6.96	2.73	2.387
66.00	0.69	64,264	6.84	2.63	2.495
66.50	0.68	60,850	6.72	2.53	2.600
67.00	0.70	57,632	6.61	2.42	2.700
67.50	0.71	54,638	6.51	2.31	2.796
68.00	0.61	51,775	6.42	2.19	2.886
68.50	0.46	48,914	6.32	2.06	2.971
69.00	0.45	46,143	6.23	1.93	3.051
69.50	0.45	43,583	6.14	1.82	3.126
70.00	0.45	41,231	6.06	1.70	3.196
70.50	0.45	39,090	5.99	1.58	3.262
71.00	0.45	37,170	5.91	1.46	3.322
71.50	0.45	35,474	5.85	1.34	3.377
72.00	0.38	33,897	5.79	1.26	3.429
72.50	0.01	32,148	5.73	1.08	3.474
73.00	0.00	30,356	5.66	0.92	3.512
73.50	0.00	28,789	5.61	0.82	3.546
74.00	0.00	27,392	5.55	0.73	3.576
74.50	0.00	26,149	5.51	0.65	3.603
75.00	0.00	25,043	5.47	0.58	3.627
75.50	0.00	24,057	5.43	0.52	3.648
76.00	0.00	23,174	5.40	0.46	3.667
76.50	0.00	22,380	5.37	0.42	3.685
77.00	0.00	21,662	5.34	0.38	3.700
77.50	0.00	21,011	5.32	0.34	3.715

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Pond 2P: Pond 3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
78.00	0.00	20,418	5.30	0.31	3.728
78.50	0.00	19,875	5.28	0.29	3.740
79.00	0.00	19,376	5.26	0.27	3.751
79.50	0.00	18,917	5.24	0.24	3.761
80.00	0.00	18,493	5.23	0.23	3.770
80.50	0.00	18,100	5.21	0.21	3.779
81.00	0.00	17,734	5.20	0.20	3.787
81.50	0.00	17,394	5.19	0.18	3.794
82.00	0.00	17,077	5.17	0.17	3.801
82.50	0.00	16,780	5.16	0.16	3.808
83.00	0.00	16,502	5.15	0.15	3.814
83.50	0.00	16,240	5.14	0.14	3.820
84.00	0.00	15,994	5.13	0.13	3.825
84.50	0.00	15,762	5.13	0.13	3.831
85.00	0.00	15,542	5.12	0.12	3.836
85.50	0.00	15,335	5.11	0.11	3.840
86.00	0.00	15,138	5.10	0.11	3.845
86.50	0.00	14,951	5.10	0.10	3.849
87.00	0.00	14,773	5.09	0.10	3.853
87.50	0.00	14,603	5.08	0.09	3.857
88.00	0.00	14,441	5.08	0.09	3.860
88.50	0.00	14,286	5.07	0.08	3.864
89.00	0.00	14,137	5.07	0.08	3.867
89.50	0.00	13,995	5.06	0.08	3.870
90.00	0.00	13,858	5.06	0.07	3.873
90.50	0.00	13,726	5.05	0.07	3.876
91.00	0.00	13,599	5.05	0.07	3.879
91.50	0.00	13,476	5.04	0.07	3.882
92.00	0.00	13,357	5.04	0.06	3.885
92.50	0.00	13,242	5.03	0.06	3.887
93.00	0.00	13,130	5.03	0.06	3.890
93.50	0.00	13,021	5.03	0.06	3.892
94.00	0.00	12,915	5.02	0.06	3.895
94.50	0.00	12,811	5.02	0.06	3.897
95.00	0.00	12,710	5.01	0.06	3.899
95.50	0.00	12,610	5.01	0.05	3.902
96.00	0.00	12,513	5.01	0.05	3.904
96.50	0.00	12,416	5.00	0.05	3.906
97.00	0.00	12,319	5.00	0.05	3.908
97.50	0.00	12,222	5.00	0.05	3.910
98.00	0.00	12,127	4.99	0.05	3.913
98.50	0.00	12,033	4.99	0.05	3.915
99.00	0.00	11,940	4.98	0.05	3.917
99.50	0.00	11,847	4.98	0.05	3.919
100.00	0.00	11,754	4.98	0.05	3.921
100.50	0.00	11,661	4.97	0.05	3.923
101.00	0.00	11,569	4.97	0.05	3.925
101.50	0.00	11,476	4.97	0.05	3.928
102.00	0.00	11,384	4.96	0.05	3.930
102.50	0.00	11,292	4.96	0.05	3.932
103.00	0.00	11,200	4.95	0.05	3.934
103.50	0.00	11,108	4.95	0.05	3.936

Proposed Stormwater Model REV 1

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Hydrograph for Pond 2P: Pond 3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
104.00	0.00	11,017	4.95	0.05	3.938
104.50	0.00	10,925	4.94	0.05	3.940
105.00	0.00	10,834	4.94	0.05	3.942
105.50	0.00	10,743	4.94	0.05	3.944
106.00	0.00	10,652	4.93	0.05	3.946
106.50	0.00	10,561	4.93	0.05	3.948
107.00	0.00	10,470	4.92	0.05	3.951
107.50	0.00	10,380	4.92	0.05	3.953
108.00	0.00	10,290	4.92	0.05	3.955
108.50	0.00	10,200	4.91	0.05	3.957
109.00	0.00	10,110	4.91	0.05	3.959
109.50	0.00	10,020	4.91	0.05	3.961
110.00	0.00	9,931	4.90	0.05	3.963
110.50	0.00	9,841	4.90	0.05	3.965
111.00	0.00	9,752	4.90	0.05	3.967
111.50	0.00	9,663	4.89	0.05	3.969
112.00	0.00	9,575	4.89	0.05	3.971
112.50	0.00	9,486	4.88	0.05	3.973
113.00	0.00	9,398	4.88	0.05	3.975
113.50	0.00	9,310	4.88	0.05	3.977
114.00	0.00	9,223	4.87	0.05	3.979
114.50	0.00	9,135	4.87	0.05	3.981
115.00	0.00	9,048	4.87	0.05	3.983
115.50	0.00	8,961	4.86	0.05	3.985
116.00	0.00	8,874	4.86	0.05	3.987
116.50	0.00	8,788	4.86	0.05	3.989
117.00	0.00	8,702	4.85	0.05	3.991
117.50	0.00	8,616	4.85	0.05	3.993
118.00	0.00	8,530	4.85	0.05	3.995
118.50	0.00	8,445	4.84	0.05	3.997
119.00	0.00	8,360	4.84	0.05	3.999
119.50	0.00	8,276	4.84	0.05	4.001
120.00	0.00	8,191	4.83	0.05	4.003
120.50	0.00	8,107	4.83	0.05	4.005
121.00	0.00	8,024	4.83	0.05	4.007
121.50	0.00	7,940	4.82	0.05	4.009
122.00	0.00	7,857	4.82	0.05	4.010
122.50	0.00	7,775	4.82	0.05	4.012
123.00	0.00	7,693	4.81	0.05	4.014
123.50	0.00	7,611	4.81	0.05	4.016
124.00	0.00	7,529	4.81	0.05	4.018
124.50	0.00	7,448	4.80	0.04	4.020
125.00	0.00	7,368	4.80	0.04	4.022
125.50	0.00	7,287	4.80	0.04	4.024
126.00	0.00	7,208	4.79	0.04	4.025
126.50	0.00	7,128	4.79	0.04	4.027
127.00	0.00	7,049	4.79	0.04	4.029
127.50	0.00	6,971	4.78	0.04	4.031
128.00	0.00	6,893	4.78	0.04	4.033
128.50	0.00	6,815	4.78	0.04	4.034
129.00	0.00	6,738	4.77	0.04	4.036
129.50	0.00	6,661	4.77	0.04	4.038

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Hydrograph for Pond 2P: Pond 3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
130.00	0.00	6,585	4.77	0.04	4.040
130.50	0.00	6,510	4.76	0.04	4.041
131.00	0.00	6,434	4.76	0.04	4.043
131.50	0.00	6,360	4.76	0.04	4.045
132.00	0.00	6,286	4.75	0.04	4.046
132.50	0.00	6,212	4.75	0.04	4.048
133.00	0.00	6,139	4.75	0.04	4.050
133.50	0.00	6,067	4.75	0.04	4.051
134.00	0.00	5,995	4.74	0.04	4.053
134.50	0.00	5,924	4.74	0.04	4.055
135.00	0.00	5,853	4.74	0.04	4.056
135.50	0.00	5,783	4.73	0.04	4.058
136.00	0.00	5,713	4.73	0.04	4.060
136.50	0.00	5,644	4.73	0.04	4.061
137.00	0.00	5,576	4.73	0.04	4.063
137.50	0.00	5,508	4.72	0.04	4.064
138.00	0.00	5,441	4.72	0.04	4.066
138.50	0.00	5,375	4.72	0.04	4.067
139.00	0.00	5,309	4.72	0.04	4.069
139.50	0.00	5,244	4.71	0.04	4.070
140.00	0.00	5,179	4.71	0.04	4.072
140.50	0.00	5,115	4.71	0.04	4.073
141.00	0.00	5,052	4.70	0.03	4.075
141.50	0.00	4,989	4.70	0.03	4.076
142.00	0.00	4,927	4.70	0.03	4.077
142.50	0.00	4,866	4.70	0.03	4.079
143.00	0.00	4,805	4.69	0.03	4.080
143.50	0.00	4,745	4.69	0.03	4.082
144.00	0.00	4,686	4.69	0.03	4.083
144.50	0.00	4,627	4.69	0.03	4.084
145.00	0.00	4,569	4.69	0.03	4.086
145.50	0.00	4,512	4.68	0.03	4.087
146.00	0.00	4,455	4.68	0.03	4.088
146.50	0.00	4,399	4.68	0.03	4.090
147.00	0.00	4,344	4.68	0.03	4.091
147.50	0.00	4,290	4.67	0.03	4.092
148.00	0.00	4,236	4.67	0.03	4.093
148.50	0.00	4,182	4.67	0.03	4.094
149.00	0.00	4,130	4.67	0.03	4.096
149.50	0.00	4,078	4.67	0.03	4.097
150.00	0.00	4,027	4.66	0.03	4.098

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Stage-Discharge for Pond 2P: Pond 3

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
4.50	0.00	5.02	0.89	5.54	2.45	6.06	3.28
4.51	0.00	5.03	0.92	5.55	2.47	6.07	3.29
4.52	0.00	5.04	0.96	5.56	2.50	6.08	3.30
4.53	0.00	5.05	0.99	5.57	2.52	6.09	3.32
4.54	0.00	5.06	1.02	5.58	2.54	6.10	3.33
4.55	0.01	5.07	1.05	5.59	2.56	6.11	3.34
4.56	0.01	5.08	1.08	5.60	2.58	6.12	3.35
4.57	0.02	5.09	1.11	5.61	2.61	6.13	3.37
4.58	0.02	5.10	1.14	5.62	2.63	6.14	3.38
4.59	0.03	5.11	1.18	5.63	2.65	6.15	3.39
4.60	0.03	5.12	1.21	5.64	2.67	6.16	3.40
4.61	0.04	5.13	1.24	5.65	2.69	6.17	3.41
4.62	0.05	5.14	1.28	5.66	2.71	6.18	3.43
4.63	0.06	5.15	1.31	5.67	2.73	6.19	3.44
4.64	0.07	5.16	1.34	5.68	2.75	6.20	3.45
4.65	0.08	5.17	1.38	5.69	2.77	6.21	3.46
4.66	0.09	5.18	1.41	5.70	2.79	6.22	3.47
4.67	0.10	5.19	1.44	5.71	2.81	6.23	3.49
4.68	0.12	5.20	1.48	5.72	2.83	6.24	3.50
4.69	0.13	5.21	1.51	5.73	2.85	6.25	3.51
4.70	0.14	5.22	1.54	5.74	2.87	6.26	3.52
4.71	0.16	5.23	1.58	5.75	2.89	6.27	3.53
4.72	0.18	5.24	1.61	5.76	2.91	6.28	3.54
4.73	0.19	5.25	1.64	5.77	2.93	6.29	3.56
4.74	0.21	5.26	1.68	5.78	2.95	6.30	3.57
4.75	0.23	5.27	1.71	5.79	2.97	6.31	3.58
4.76	0.24	5.28	1.74	5.80	2.98	6.32	3.59
4.77	0.26	5.29	1.78	5.81	3.00	6.33	3.60
4.78	0.28	5.30	1.81	5.82	3.02	6.34	3.61
4.79	0.30	5.31	1.84	5.83	3.02	6.35	3.62
4.80	0.32	5.32	1.88	5.84	2.99	6.36	3.64
4.81	0.34	5.33	1.91	5.85	3.00	6.37	3.65
4.82	0.37	5.34	1.94	5.86	3.02	6.38	3.66
4.83	0.39	5.35	1.97	5.87	3.03	6.39	3.67
4.84	0.41	5.36	2.00	5.88	3.05	6.40	3.68
4.85	0.43	5.37	2.03	5.89	3.06	6.41	3.69
4.86	0.46	5.38	2.06	5.90	3.07	6.42	3.70
4.87	0.48	5.39	2.09	5.91	3.09	6.43	3.71
4.88	0.51	5.40	2.12	5.92	3.10	6.44	3.72
4.89	0.53	5.41	2.15	5.93	3.11	6.45	3.74
4.90	0.56	5.42	2.18	5.94	3.13	6.46	3.75
4.91	0.58	5.43	2.21	5.95	3.14	6.47	3.76
4.92	0.61	5.44	2.23	5.96	3.15	6.48	3.77
4.93	0.64	5.45	2.26	5.97	3.16	6.49	3.78
4.94	0.66	5.46	2.28	5.98	3.18	6.50	3.79
4.95	0.69	5.47	2.30	5.99	3.19	6.51	3.80
4.96	0.72	5.48	2.32	6.00	3.20	6.52	3.81
4.97	0.75	5.49	2.34	6.01	3.22	6.53	3.82
4.98	0.78	5.50	2.36	6.02	3.23	6.54	3.83
4.99	0.80	5.51	2.38	6.03	3.24	6.55	3.84
5.00	0.83	5.52	2.41	6.04	3.25	6.56	3.85
5.01	0.86	5.53	2.43	6.05	3.27	6.57	3.87

Proposed Stormwater Model REV 1

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Stage-Discharge for Pond 2P: Pond 3 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
6.58	3.88	7.10	4.39	7.62	4.85	8.14	5.27
6.59	3.89	7.11	4.40	7.63	4.86	8.15	5.28
6.60	3.90	7.12	4.41	7.64	4.87	8.16	5.29
6.61	3.91	7.13	4.42	7.65	4.88	8.17	5.30
6.62	3.92	7.14	4.43	7.66	4.89	8.18	5.31
6.63	3.93	7.15	4.44	7.67	4.90	8.19	5.31
6.64	3.94	7.16	4.45	7.68	4.90	8.20	5.32
6.65	3.95	7.17	4.46	7.69	4.91	8.21	5.33
6.66	3.96	7.18	4.47	7.70	4.92	8.22	5.34
6.67	3.97	7.19	4.48	7.71	4.93	8.23	5.34
6.68	3.98	7.20	4.48	7.72	4.94	8.24	5.35
6.69	3.99	7.21	4.49	7.73	4.95	8.25	5.36
6.70	4.00	7.22	4.50	7.74	4.95	8.26	5.37
6.71	4.01	7.23	4.51	7.75	4.96	8.27	5.38
6.72	4.02	7.24	4.52	7.76	4.97	8.28	5.38
6.73	4.03	7.25	4.53	7.77	4.98	8.29	5.39
6.74	4.04	7.26	4.54	7.78	4.99	8.30	5.40
6.75	4.05	7.27	4.55	7.79	5.00	8.31	5.41
6.76	4.06	7.28	4.56	7.80	5.00	8.32	5.41
6.77	4.07	7.29	4.57	7.81	5.01	8.33	5.42
6.78	4.08	7.30	4.58	7.82	5.02	8.34	5.43
6.79	4.09	7.31	4.58	7.83	5.03	8.35	5.44
6.80	4.10	7.32	4.59	7.84	5.04	8.36	5.44
6.81	4.11	7.33	4.60	7.85	5.04	8.37	5.45
6.82	4.12	7.34	4.61	7.86	5.05	8.38	5.46
6.83	4.13	7.35	4.62	7.87	5.06	8.39	5.47
6.84	4.14	7.36	4.63	7.88	5.07	8.40	5.47
6.85	4.15	7.37	4.64	7.89	5.08	8.41	5.48
6.86	4.16	7.38	4.65	7.90	5.08	8.42	5.49
6.87	4.17	7.39	4.66	7.91	5.09	8.43	5.50
6.88	4.18	7.40	4.66	7.92	5.10	8.44	5.50
6.89	4.19	7.41	4.67	7.93	5.11	8.45	5.51
6.90	4.20	7.42	4.68	7.94	5.12	8.46	5.52
6.91	4.21	7.43	4.69	7.95	5.13	8.47	5.53
6.92	4.22	7.44	4.70	7.96	5.13	8.48	5.53
6.93	4.23	7.45	4.71	7.97	5.14	8.49	5.54
6.94	4.24	7.46	4.72	7.98	5.15	8.50	5.55
6.95	4.25	7.47	4.73	7.99	5.16	8.51	5.56
6.96	4.26	7.48	4.73	8.00	5.16	8.52	5.56
6.97	4.27	7.49	4.74	8.01	5.17	8.53	5.57
6.98	4.28	7.50	4.75	8.02	5.18	8.54	5.58
6.99	4.29	7.51	4.76	8.03	5.19	8.55	5.58
7.00	4.30	7.52	4.77	8.04	5.20	8.56	5.59
7.01	4.31	7.53	4.78	8.05	5.20	8.57	5.60
7.02	4.32	7.54	4.79	8.06	5.21	8.58	5.61
7.03	4.33	7.55	4.79	8.07	5.22	8.59	5.61
7.04	4.34	7.56	4.80	8.08	5.23	8.60	5.62
7.05	4.34	7.57	4.81	8.09	5.24	8.61	5.63
7.06	4.35	7.58	4.82	8.10	5.24	8.62	5.64
7.07	4.36	7.59	4.83	8.11	5.25	8.63	5.64
7.08	4.37	7.60	4.84	8.12	5.26	8.64	5.65
7.09	4.38	7.61	4.85	8.13	5.27	8.65	5.66

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Stage-Discharge for Pond 2P: Pond 3 (continued)

Elevation (feet)	Primary (cfs)
8.66	5.67
8.67	5.67
8.68	5.68
8.69	5.69
8.70	5.69
8.71	5.70
8.72	5.71
8.73	5.72
8.74	5.72
8.75	5.73
8.76	5.74
8.77	5.74
8.78	5.75
8.79	5.76
8.80	5.77
8.81	5.77
8.82	5.78
8.83	5.79
8.84	5.79
8.85	5.80
8.86	5.81
8.87	5.82
8.88	5.82
8.89	5.83
8.90	5.84
8.91	5.84
8.92	5.85
8.93	5.86
8.94	5.86
8.95	5.87
8.96	5.88
8.97	5.89
8.98	5.89
8.99	5.90
9.00	5.91

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Stage-Area-Storage for Pond 2P: Pond 3

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
4.50	0	5.02	12,882	5.54	26,998
4.51	247	5.03	13,153	5.55	27,269
4.52	494	5.04	13,425	5.56	27,541
4.53	740	5.05	13,696	5.57	27,812
4.54	987	5.06	13,968	5.58	28,084
4.55	1,234	5.07	14,239	5.59	28,355
4.56	1,481	5.08	14,511	5.60	28,627
4.57	1,727	5.09	14,782	5.61	28,898
4.58	1,974	5.10	15,054	5.62	29,170
4.59	2,221	5.11	15,325	5.63	29,441
4.60	2,468	5.12	15,597	5.64	29,712
4.61	2,715	5.13	15,868	5.65	29,984
4.62	2,961	5.14	16,139	5.66	30,255
4.63	3,208	5.15	16,411	5.67	30,527
4.64	3,455	5.16	16,682	5.68	30,798
4.65	3,702	5.17	16,954	5.69	31,070
4.66	3,948	5.18	17,225	5.70	31,341
4.67	4,195	5.19	17,497	5.71	31,613
4.68	4,442	5.20	17,768	5.72	31,884
4.69	4,689	5.21	18,040	5.73	32,156
4.70	4,936	5.22	18,311	5.74	32,427
4.71	5,182	5.23	18,583	5.75	32,699
4.72	5,429	5.24	18,854	5.76	32,970
4.73	5,676	5.25	19,126	5.77	33,241
4.74	5,923	5.26	19,397	5.78	33,513
4.75	6,170	5.27	19,668	5.79	33,784
4.76	6,416	5.28	19,940	5.80	34,056
4.77	6,663	5.29	20,211	5.81	34,327
4.78	6,910	5.30	20,483	5.82	34,599
4.79	7,157	5.31	20,754	5.83	34,870
4.80	7,403	5.32	21,026	5.84	35,142
4.81	7,650	5.33	21,297	5.85	35,413
4.82	7,897	5.34	21,569	5.86	35,685
4.83	8,144	5.35	21,840	5.87	35,956
4.84	8,391	5.36	22,112	5.88	36,227
4.85	8,637	5.37	22,383	5.89	36,499
4.86	8,884	5.38	22,654	5.90	36,770
4.87	9,131	5.39	22,926	5.91	37,042
4.88	9,378	5.40	23,197	5.92	37,313
4.89	9,624	5.41	23,469	5.93	37,585
4.90	9,871	5.42	23,740	5.94	37,856
4.91	10,118	5.43	24,012	5.95	38,128
4.92	10,365	5.44	24,283	5.96	38,399
4.93	10,612	5.45	24,555	5.97	38,671
4.94	10,858	5.46	24,826	5.98	38,942
4.95	11,105	5.47	25,098	5.99	39,214
4.96	11,352	5.48	25,369	6.00	39,485
4.97	11,599	5.49	25,641	6.01	39,781
4.98	11,845	5.50	25,912	6.02	40,076
4.99	12,092	5.51	26,183	6.03	40,372
5.00	12,339	5.52	26,455	6.04	40,668
5.01	12,610	5.53	26,726	6.05	40,963

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Stage-Area-Storage for Pond 2P: Pond 3 (continued)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
6.06	41,259	6.58	56,633	7.10	72,255
6.07	41,555	6.59	56,928	7.11	72,576
6.08	41,850	6.60	57,224	7.12	72,896
6.09	42,146	6.61	57,520	7.13	73,217
6.10	42,441	6.62	57,815	7.14	73,538
6.11	42,737	6.63	58,111	7.15	73,858
6.12	43,033	6.64	58,407	7.16	74,179
6.13	43,328	6.65	58,702	7.17	74,499
6.14	43,624	6.66	58,998	7.18	74,820
6.15	43,920	6.67	59,294	7.19	75,140
6.16	44,215	6.68	59,589	7.20	75,461
6.17	44,511	6.69	59,885	7.21	75,781
6.18	44,807	6.70	60,181	7.22	76,102
6.19	45,102	6.71	60,476	7.23	76,422
6.20	45,398	6.72	60,772	7.24	76,743
6.21	45,694	6.73	61,067	7.25	77,064
6.22	45,989	6.74	61,363	7.26	77,384
6.23	46,285	6.75	61,659	7.27	77,705
6.24	46,581	6.76	61,954	7.28	78,025
6.25	46,876	6.77	62,250	7.29	78,346
6.26	47,172	6.78	62,546	7.30	78,666
6.27	47,468	6.79	62,841	7.31	78,987
6.28	47,763	6.80	63,137	7.32	79,307
6.29	48,059	6.81	63,433	7.33	79,628
6.30	48,354	6.82	63,728	7.34	79,948
6.31	48,650	6.83	64,024	7.35	80,269
6.32	48,946	6.84	64,320	7.36	80,589
6.33	49,241	6.85	64,615	7.37	80,910
6.34	49,537	6.86	64,911	7.38	81,231
6.35	49,833	6.87	65,207	7.39	81,551
6.36	50,128	6.88	65,502	7.40	81,872
6.37	50,424	6.89	65,798	7.41	82,192
6.38	50,720	6.90	66,094	7.42	82,513
6.39	51,015	6.91	66,389	7.43	82,833
6.40	51,311	6.92	66,685	7.44	83,154
6.41	51,607	6.93	66,980	7.45	83,474
6.42	51,902	6.94	67,276	7.46	83,795
6.43	52,198	6.95	67,572	7.47	84,115
6.44	52,494	6.96	67,867	7.48	84,436
6.45	52,789	6.97	68,163	7.49	84,756
6.46	53,085	6.98	68,459	7.50	85,077
6.47	53,381	6.99	68,754	7.51	85,398
6.48	53,676	7.00	69,050	7.52	85,718
6.49	53,972	7.01	69,371	7.53	86,039
6.50	54,268	7.02	69,691	7.54	86,359
6.51	54,563	7.03	70,012	7.55	86,680
6.52	54,859	7.04	70,332	7.56	87,000
6.53	55,154	7.05	70,653	7.57	87,321
6.54	55,450	7.06	70,973	7.58	87,641
6.55	55,746	7.07	71,294	7.59	87,962
6.56	56,041	7.08	71,614	7.60	88,282
6.57	56,337	7.09	71,935	7.61	88,603

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Stage-Area-Storage for Pond 2P: Pond 3 (continued)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
7.62	88,923	8.14	105,950	8.66	123,949
7.63	89,244	8.15	106,296	8.67	124,295
7.64	89,565	8.16	106,642	8.68	124,642
7.65	89,885	8.17	106,988	8.69	124,988
7.66	90,206	8.18	107,335	8.70	125,334
7.67	90,526	8.19	107,681	8.71	125,680
7.68	90,847	8.20	108,027	8.72	126,026
7.69	91,167	8.21	108,373	8.73	126,372
7.70	91,488	8.22	108,719	8.74	126,718
7.71	91,808	8.23	109,065	8.75	127,065
7.72	92,129	8.24	109,411	8.76	127,411
7.73	92,449	8.25	109,758	8.77	127,757
7.74	92,770	8.26	110,104	8.78	128,103
7.75	93,091	8.27	110,450	8.79	128,449
7.76	93,411	8.28	110,796	8.80	128,795
7.77	93,732	8.29	111,142	8.81	129,141
7.78	94,052	8.30	111,488	8.82	129,487
7.79	94,373	8.31	111,834	8.83	129,834
7.80	94,693	8.32	112,180	8.84	130,180
7.81	95,014	8.33	112,527	8.85	130,526
7.82	95,334	8.34	112,873	8.86	130,872
7.83	95,655	8.35	113,219	8.87	131,218
7.84	95,975	8.36	113,565	8.88	131,564
7.85	96,296	8.37	113,911	8.89	131,910
7.86	96,616	8.38	114,257	8.90	132,257
7.87	96,937	8.39	114,603	8.91	132,603
7.88	97,258	8.40	114,950	8.92	132,949
7.89	97,578	8.41	115,296	8.93	133,295
7.90	97,899	8.42	115,642	8.94	133,641
7.91	98,219	8.43	115,988	8.95	133,987
7.92	98,540	8.44	116,334	8.96	134,333
7.93	98,860	8.45	116,680	8.97	134,680
7.94	99,181	8.46	117,026	8.98	135,026
7.95	99,501	8.47	117,373	8.99	135,372
7.96	99,822	8.48	117,719	9.00	135,718
7.97	100,142	8.49	118,065		
7.98	100,463	8.50	118,411		
7.99	100,783	8.51	118,757		
8.00	101,104	8.52	119,103		
8.01	101,450	8.53	119,449		
8.02	101,796	8.54	119,796		
8.03	102,142	8.55	120,142		
8.04	102,489	8.56	120,488		
8.05	102,835	8.57	120,834		
8.06	103,181	8.58	121,180		
8.07	103,527	8.59	121,526		
8.08	103,873	8.60	121,872		
8.09	104,219	8.61	122,219		
8.10	104,565	8.62	122,565		
8.11	104,912	8.63	122,911		
8.12	105,258	8.64	123,257		
8.13	105,604	8.65	123,603		

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Summary for Pond 3P: Pond 1

Inflow Area = 25.530 ac, 84.29% Impervious, Inflow Depth > 12.73" for 25YR-72HR event
Inflow = 123.94 cfs @ 59.98 hrs, Volume= 27.078 af
Outflow = 45.37 cfs @ 60.60 hrs, Volume= 24.073 af, Atten= 63%, Lag= 37.2 min
Primary = 45.37 cfs @ 60.60 hrs, Volume= 24.073 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs

Peak Elev= 7.35' @ 60.61 hrs Surf.Area= 0 sf Storage= 523,751 cf

Plug-Flow detention time= 830.7 min calculated for 24.073 af (89% of inflow)

Center-of-Mass det. time= 685.3 min (3,948.9 - 3,263.6)

Volume	Invert	Avail.Storage	Storage Description
#1	3.50'	795,016 cf	Custom Stage Data Listed below

Elevation (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
3.50	0	0
4.00	55,823	55,823
5.00	127,594	183,417
6.00	138,375	321,792
7.00	147,509	469,301
8.00	156,703	626,004
9.00	169,012	795,016

Device	Routing	Invert	Outlet Devices
#1	Primary	8.00'	6.0' long x 1.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 Coef. (English) 2.69 2.72 2.75 2.85 2.98 3.08 3.20 3.28 3.31 3.30 3.31 3.32
#2	Primary	5.00'	53.2 deg x 3.0' long Sharp-Crested Vee/Trap Weir Cv= 2.54 (C= 3.17)
#3	Primary	2.50'	2.0" Vert. Orifice/Grate X 2.00 C= 0.600

Primary OutFlow Max=43.66 cfs @ 60.60 hrs HW=7.29' TW=0.00' (Dynamic Tailwater)

1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)
2=Sharp-Crested Vee/Trap Weir (Weir Controls 43.21 cfs @ 4.54 fps)
3=Orifice/Grate (Orifice Controls 0.46 cfs @ 10.45 fps)

Proposed Stormwater Model REV 1

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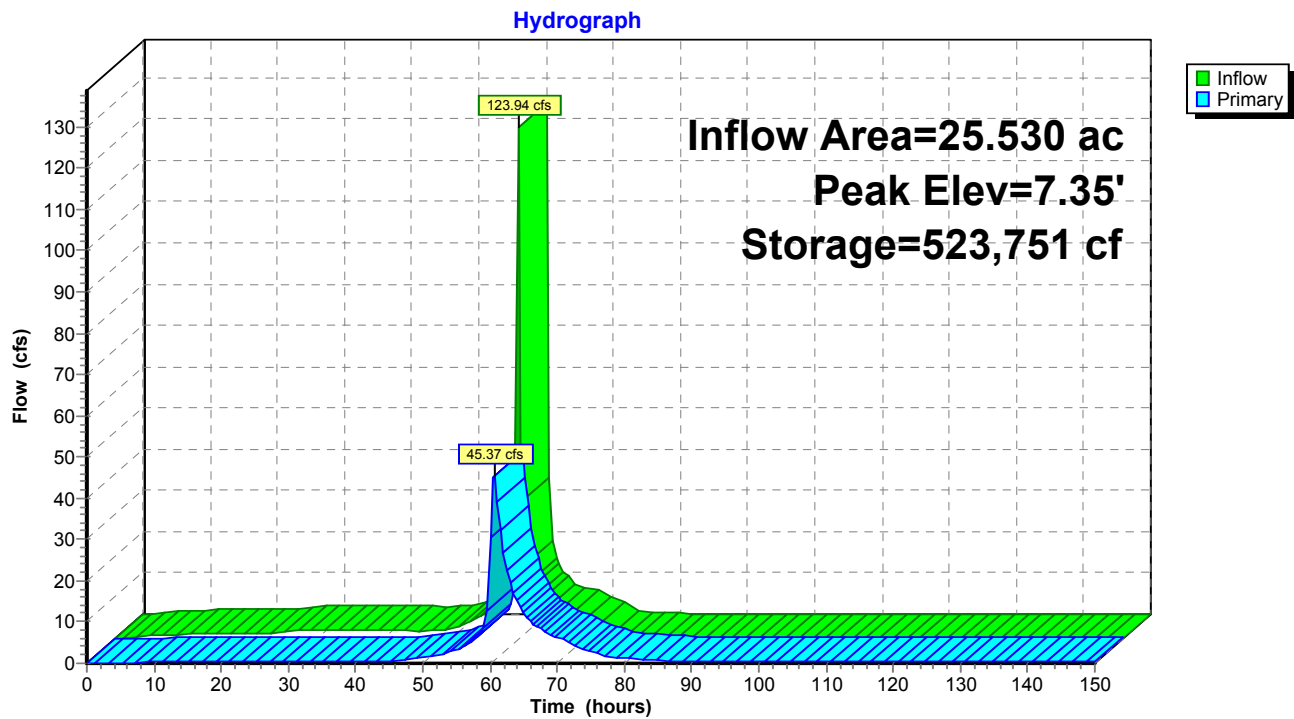
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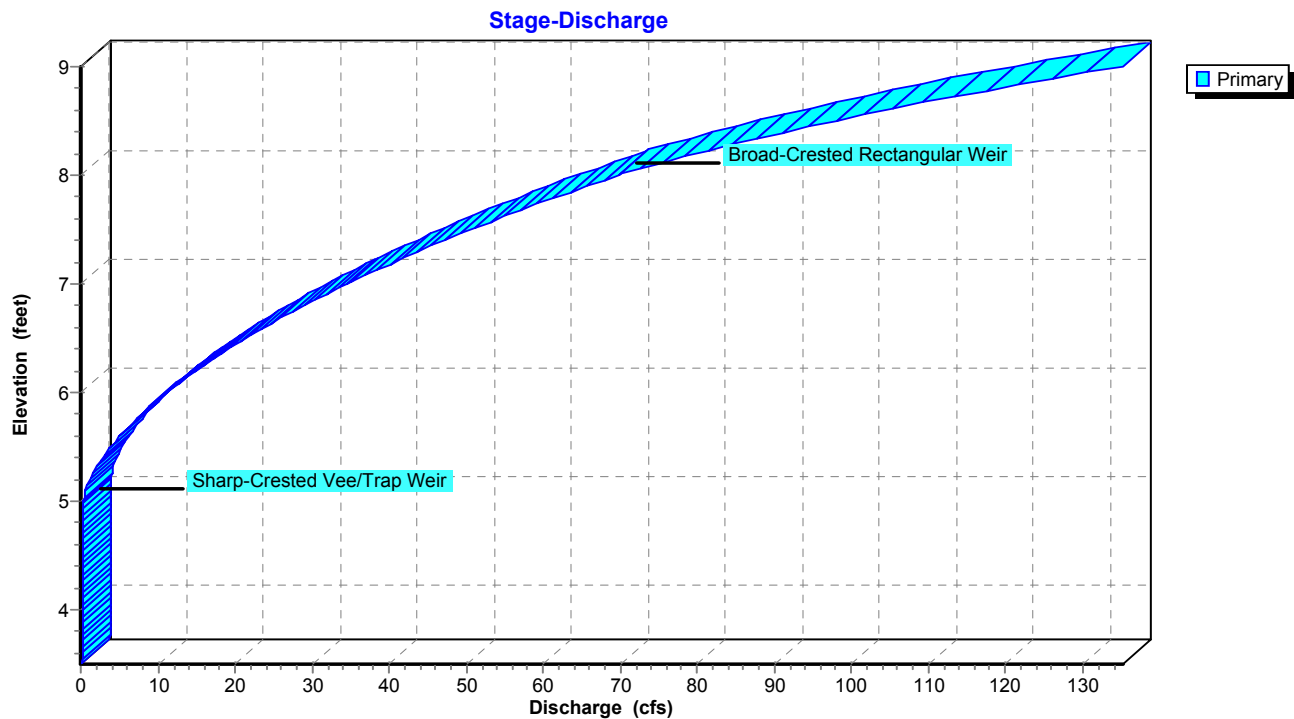
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Pond 3P: Pond 1



Pond 3P: Pond 1



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

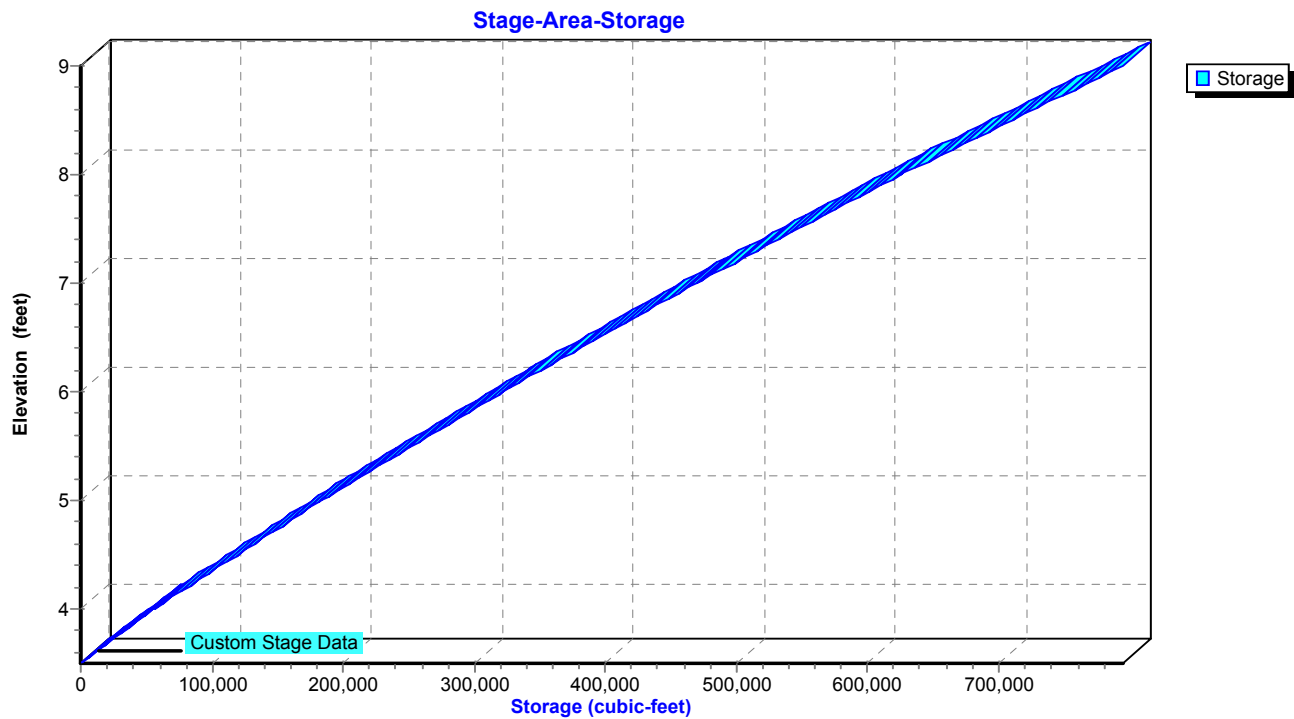
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Pond 3P: Pond 1



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Pond 3P: Pond 1

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
0.00	0.00	0	3.50	0.00	0.000
0.50	0.00	0	3.50	0.00	0.000
1.00	0.00	0	3.50	0.00	0.000
1.50	0.08	0	3.50	0.08	0.003
2.00	0.21	11	3.50	0.20	0.012
2.50	0.33	136	3.50	0.20	0.020
3.00	0.42	451	3.50	0.20	0.028
3.50	0.50	924	3.51	0.20	0.037
4.00	0.57	1,529	3.51	0.20	0.045
4.50	0.63	2,248	3.52	0.20	0.053
5.00	0.68	3,065	3.53	0.20	0.062
5.50	0.73	3,969	3.54	0.21	0.070
6.00	0.77	4,951	3.54	0.21	0.079
6.50	0.81	6,004	3.55	0.21	0.087
7.00	0.85	7,122	3.56	0.21	0.096
7.50	0.89	8,306	3.57	0.21	0.105
8.00	0.92	9,554	3.59	0.21	0.113
8.50	0.95	10,862	3.60	0.21	0.122
9.00	0.99	12,226	3.61	0.21	0.131
9.50	1.01	13,642	3.62	0.21	0.140
10.00	1.04	15,105	3.64	0.22	0.148
10.50	1.07	16,614	3.65	0.22	0.157
11.00	1.09	18,164	3.66	0.22	0.166
11.50	1.11	19,752	3.68	0.22	0.176
12.00	1.13	21,376	3.69	0.22	0.185
12.50	1.15	23,034	3.71	0.22	0.194
13.00	1.17	24,724	3.72	0.22	0.203
13.50	1.19	26,444	3.74	0.23	0.212
14.00	1.21	28,191	3.75	0.23	0.222
14.50	1.22	29,963	3.77	0.23	0.231
15.00	1.23	31,760	3.78	0.23	0.241
15.50	1.25	33,577	3.80	0.23	0.250
16.00	1.26	35,415	3.82	0.23	0.260
16.50	1.27	37,272	3.83	0.23	0.270
17.00	1.28	39,146	3.85	0.24	0.280
17.50	1.29	41,035	3.87	0.24	0.289
18.00	1.30	42,939	3.88	0.24	0.299
18.50	1.31	44,857	3.90	0.24	0.309
19.00	1.32	46,787	3.92	0.24	0.319
19.50	1.33	48,728	3.94	0.24	0.329
20.00	1.33	50,680	3.95	0.25	0.340
20.50	1.34	52,640	3.97	0.25	0.350
21.00	1.34	54,605	3.99	0.25	0.360
21.50	1.35	56,576	4.01	0.25	0.370
22.00	1.35	58,552	4.02	0.25	0.381
22.50	1.36	60,534	4.04	0.25	0.391
23.00	1.36	62,520	4.05	0.25	0.402
23.50	1.36	64,512	4.07	0.26	0.412
24.00	1.40	66,537	4.08	0.26	0.423
24.50	1.71	68,874	4.10	0.26	0.434
25.00	1.77	71,538	4.12	0.26	0.444
25.50	1.81	74,285	4.14	0.26	0.455

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Pond 3P: Pond 1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
26.00	1.85	77,104	4.17	0.26	0.466
26.50	1.89	79,995	4.19	0.27	0.477
27.00	1.93	82,955	4.21	0.27	0.488
27.50	1.97	85,986	4.24	0.27	0.500
28.00	2.01	89,087	4.26	0.27	0.511
28.50	2.05	92,256	4.29	0.27	0.522
29.00	2.09	95,493	4.31	0.28	0.533
29.50	2.13	98,799	4.34	0.28	0.545
30.00	2.38	102,360	4.36	0.28	0.557
30.50	2.06	105,848	4.39	0.28	0.568
31.00	2.04	109,021	4.42	0.28	0.580
31.50	2.04	112,174	4.44	0.29	0.592
32.00	2.04	115,329	4.47	0.29	0.604
32.50	2.04	118,484	4.49	0.29	0.616
33.00	2.05	121,639	4.52	0.29	0.628
33.50	2.05	124,794	4.54	0.29	0.640
34.00	2.05	127,948	4.57	0.30	0.652
34.50	2.05	131,100	4.59	0.30	0.664
35.00	2.05	134,250	4.61	0.30	0.677
35.50	2.05	137,396	4.64	0.30	0.689
36.00	2.05	140,539	4.66	0.30	0.702
36.50	2.05	143,676	4.69	0.30	0.714
37.00	2.04	146,808	4.71	0.31	0.727
37.50	2.04	149,933	4.74	0.31	0.740
38.00	2.04	153,051	4.76	0.31	0.753
38.50	2.04	156,159	4.79	0.31	0.766
39.00	2.03	159,257	4.81	0.31	0.778
39.50	2.03	162,343	4.83	0.32	0.792
40.00	2.02	165,416	4.86	0.32	0.805
40.50	2.01	168,473	4.88	0.32	0.818
41.00	2.00	171,513	4.91	0.32	0.831
41.50	1.99	174,532	4.93	0.32	0.844
42.00	1.98	177,529	4.95	0.32	0.858
42.50	1.97	180,500	4.98	0.33	0.871
43.00	1.95	183,441	5.00	0.33	0.885
43.50	1.93	186,319	5.02	0.36	0.899
44.00	1.91	189,087	5.04	0.41	0.916
44.50	1.90	191,724	5.06	0.47	0.936
45.00	1.89	194,222	5.08	0.54	0.958
45.50	1.90	196,589	5.10	0.62	0.984
46.00	1.90	198,830	5.11	0.69	1.012
46.50	1.92	200,951	5.13	0.77	1.044
47.00	1.93	202,954	5.14	0.85	1.079
47.50	1.94	204,840	5.15	0.93	1.118
48.00	2.29	206,902	5.17	1.02	1.160
48.50	2.24	209,058	5.19	1.12	1.206
49.00	2.24	210,992	5.20	1.21	1.256
49.50	2.27	212,788	5.21	1.30	1.310
50.00	2.46	214,623	5.23	1.39	1.367
50.50	2.66	216,631	5.24	1.50	1.429
51.00	2.80	218,744	5.26	1.61	1.496
51.50	2.95	220,908	5.27	1.74	1.568

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Pond 3P: Pond 1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
52.00	3.19	223,187	5.29	1.87	1.645
52.50	3.83	225,981	5.31	2.04	1.729
53.00	4.22	229,358	5.33	2.25	1.822
53.50	4.59	233,013	5.36	2.49	1.925
54.00	5.02	236,930	5.39	2.76	2.039
54.50	5.57	241,208	5.42	3.07	2.166
55.00	6.04	245,818	5.45	3.41	2.307
55.50	6.51	250,628	5.49	3.79	2.464
56.00	7.01	255,609	5.52	4.20	2.637
56.50	7.90	261,052	5.56	4.67	2.830
57.00	8.57	266,998	5.60	5.20	3.045
57.50	9.22	273,140	5.65	5.77	3.283
58.00	9.95	279,454	5.69	6.39	3.547
58.50	11.65	286,726	5.75	7.13	3.842
59.00	16.37	298,006	5.83	8.35	4.187
59.50	45.36	334,572	6.09	12.75	4.714
60.00	123.82	447,945	6.86	30.47	5.973
60.50	33.10	521,311	7.33	44.94	7.829
61.00	17.86	491,729	7.14	38.88	9.436
61.50	13.76	456,335	6.91	32.05	10.761
62.00	12.15	426,824	6.71	26.64	11.862
62.50	10.38	402,797	6.55	22.58	12.795
63.00	9.75	383,060	6.42	19.48	13.600
63.50	9.10	367,088	6.31	17.12	14.307
64.00	8.07	353,439	6.21	15.22	14.936
64.50	6.78	340,906	6.13	13.56	15.496
65.00	6.68	329,870	6.05	12.16	15.999
65.50	6.61	320,915	5.99	11.07	16.457
66.00	6.57	313,649	5.94	10.17	16.877
66.50	6.42	307,669	5.90	9.46	17.268
67.00	6.43	302,727	5.86	8.88	17.635
67.50	6.33	298,635	5.83	8.42	17.983
68.00	5.59	294,603	5.80	7.97	18.312
68.50	4.68	289,943	5.77	7.47	18.621
69.00	4.53	285,227	5.74	6.97	18.909
69.50	4.41	281,093	5.71	6.55	19.180
70.00	4.29	277,455	5.68	6.19	19.436
70.50	4.17	274,217	5.66	5.87	19.679
71.00	4.05	271,291	5.64	5.60	19.910
71.50	3.93	268,618	5.62	5.35	20.131
72.00	3.31	265,741	5.59	5.08	20.341
72.50	1.17	261,004	5.56	4.66	20.534
73.00	0.93	254,969	5.52	4.15	20.705
73.50	0.82	249,483	5.48	3.70	20.858
74.00	0.73	244,565	5.44	3.32	20.995
74.50	0.65	240,131	5.41	2.99	21.118
75.00	0.58	236,113	5.38	2.70	21.230
75.50	0.52	232,457	5.35	2.45	21.332
76.00	0.46	229,119	5.33	2.24	21.424
76.50	0.42	226,061	5.31	2.04	21.508
77.00	0.38	223,254	5.29	1.87	21.586
77.50	0.34	220,669	5.27	1.72	21.657

Proposed Stormwater Model REV 1

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Hydrograph for Pond 3P: Pond 1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
78.00	0.31	218,282	5.25	1.59	21.723
78.50	0.29	216,074	5.24	1.47	21.783
79.00	0.27	214,025	5.22	1.36	21.840
79.50	0.24	212,121	5.21	1.27	21.892
80.00	0.23	210,346	5.19	1.18	21.941
80.50	0.21	208,688	5.18	1.10	21.986
81.00	0.20	207,136	5.17	1.03	22.029
81.50	0.18	205,681	5.16	0.97	22.068
82.00	0.17	204,314	5.15	0.91	22.106
82.50	0.16	203,026	5.14	0.85	22.141
83.00	0.15	201,811	5.13	0.81	22.174
83.50	0.14	200,663	5.12	0.76	22.206
84.00	0.13	199,576	5.12	0.72	22.236
84.50	0.13	198,545	5.11	0.68	22.264
85.00	0.12	197,565	5.10	0.65	22.291
85.50	0.11	196,632	5.10	0.62	22.316
86.00	0.11	195,744	5.09	0.59	22.341
86.50	0.10	194,895	5.08	0.56	22.364
87.00	0.10	194,083	5.08	0.54	22.386
87.50	0.09	193,305	5.07	0.52	22.407
88.00	0.09	192,559	5.07	0.49	22.428
88.50	0.08	191,841	5.06	0.47	22.447
89.00	0.08	191,151	5.06	0.46	22.466
89.50	0.08	190,485	5.05	0.44	22.484
90.00	0.07	189,843	5.05	0.43	22.502
90.50	0.07	189,221	5.04	0.41	22.519
91.00	0.07	188,619	5.04	0.40	22.536
91.50	0.07	188,034	5.03	0.39	22.552
92.00	0.06	187,466	5.03	0.38	22.567
92.50	0.06	186,912	5.03	0.37	22.582
93.00	0.06	186,372	5.02	0.36	22.597
93.50	0.06	185,844	5.02	0.35	22.612
94.00	0.06	185,326	5.01	0.34	22.626
94.50	0.06	184,818	5.01	0.34	22.640
95.00	0.06	184,317	5.01	0.33	22.653
95.50	0.05	183,822	5.00	0.33	22.667
96.00	0.05	183,330	5.00	0.33	22.680
96.50	0.05	182,839	5.00	0.33	22.694
97.00	0.05	182,349	4.99	0.33	22.707
97.50	0.05	181,859	4.99	0.33	22.721
98.00	0.05	181,368	4.98	0.33	22.734
98.50	0.05	180,876	4.98	0.33	22.748
99.00	0.05	180,384	4.98	0.32	22.761
99.50	0.05	179,893	4.97	0.32	22.775
100.00	0.05	179,401	4.97	0.32	22.788
100.50	0.05	178,910	4.96	0.32	22.801
101.00	0.05	178,419	4.96	0.32	22.815
101.50	0.05	177,929	4.96	0.32	22.828
102.00	0.05	177,439	4.95	0.32	22.841
102.50	0.05	176,949	4.95	0.32	22.855
103.00	0.05	176,460	4.95	0.32	22.868
103.50	0.05	175,970	4.94	0.32	22.881

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Hydrograph for Pond 3P: Pond 1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
104.00	0.05	175,481	4.94	0.32	22.895
104.50	0.05	174,993	4.93	0.32	22.908
105.00	0.05	174,505	4.93	0.32	22.921
105.50	0.05	174,017	4.93	0.32	22.935
106.00	0.05	173,529	4.92	0.32	22.948
106.50	0.05	173,042	4.92	0.32	22.961
107.00	0.05	172,555	4.91	0.32	22.975
107.50	0.05	172,068	4.91	0.32	22.988
108.00	0.05	171,581	4.91	0.32	23.001
108.50	0.05	171,095	4.90	0.32	23.014
109.00	0.05	170,609	4.90	0.32	23.027
109.50	0.05	170,124	4.90	0.32	23.041
110.00	0.05	169,638	4.89	0.32	23.054
110.50	0.05	169,153	4.89	0.32	23.067
111.00	0.05	168,669	4.88	0.32	23.080
111.50	0.05	168,184	4.88	0.32	23.093
112.00	0.05	167,700	4.88	0.32	23.106
112.50	0.05	167,216	4.87	0.32	23.120
113.00	0.05	166,732	4.87	0.32	23.133
113.50	0.05	166,248	4.87	0.32	23.146
114.00	0.05	165,765	4.86	0.32	23.159
114.50	0.05	165,282	4.86	0.32	23.172
115.00	0.05	164,799	4.85	0.32	23.185
115.50	0.05	164,316	4.85	0.32	23.198
116.00	0.05	163,834	4.85	0.32	23.211
116.50	0.05	163,351	4.84	0.32	23.224
117.00	0.05	162,869	4.84	0.32	23.237
117.50	0.05	162,388	4.84	0.32	23.250
118.00	0.05	161,906	4.83	0.32	23.263
118.50	0.05	161,424	4.83	0.31	23.276
119.00	0.05	160,943	4.82	0.31	23.289
119.50	0.05	160,462	4.82	0.31	23.302
120.00	0.05	159,981	4.82	0.31	23.315
120.50	0.05	159,500	4.81	0.31	23.328
121.00	0.05	159,019	4.81	0.31	23.341
121.50	0.05	158,539	4.81	0.31	23.354
122.00	0.05	158,058	4.80	0.31	23.367
122.50	0.05	157,578	4.80	0.31	23.380
123.00	0.05	157,097	4.79	0.31	23.393
123.50	0.05	156,617	4.79	0.31	23.406
124.00	0.05	156,137	4.79	0.31	23.419
124.50	0.04	155,657	4.78	0.31	23.432
125.00	0.04	155,177	4.78	0.31	23.444
125.50	0.04	154,698	4.77	0.31	23.457
126.00	0.04	154,218	4.77	0.31	23.470
126.50	0.04	153,738	4.77	0.31	23.483
127.00	0.04	153,258	4.76	0.31	23.496
127.50	0.04	152,779	4.76	0.31	23.509
128.00	0.04	152,299	4.76	0.31	23.521
128.50	0.04	151,820	4.75	0.31	23.534
129.00	0.04	151,340	4.75	0.31	23.547
129.50	0.04	150,860	4.74	0.31	23.560

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Hydrograph for Pond 3P: Pond 1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
130.00	0.04	150,381	4.74	0.31	23.573
130.50	0.04	149,901	4.74	0.31	23.585
131.00	0.04	149,421	4.73	0.31	23.598
131.50	0.04	148,942	4.73	0.31	23.611
132.00	0.04	148,462	4.73	0.31	23.623
132.50	0.04	147,982	4.72	0.31	23.636
133.00	0.04	147,502	4.72	0.31	23.649
133.50	0.04	147,022	4.71	0.31	23.661
134.00	0.04	146,543	4.71	0.31	23.674
134.50	0.04	146,062	4.71	0.31	23.687
135.00	0.04	145,582	4.70	0.31	23.699
135.50	0.04	145,102	4.70	0.31	23.712
136.00	0.04	144,622	4.70	0.31	23.725
136.50	0.04	144,141	4.69	0.31	23.737
137.00	0.04	143,661	4.69	0.30	23.750
137.50	0.04	143,180	4.68	0.30	23.762
138.00	0.04	142,699	4.68	0.30	23.775
138.50	0.04	142,218	4.68	0.30	23.788
139.00	0.04	141,737	4.67	0.30	23.800
139.50	0.04	141,256	4.67	0.30	23.813
140.00	0.04	140,774	4.67	0.30	23.825
140.50	0.04	140,293	4.66	0.30	23.838
141.00	0.03	139,811	4.66	0.30	23.850
141.50	0.03	139,329	4.65	0.30	23.863
142.00	0.03	138,847	4.65	0.30	23.875
142.50	0.03	138,365	4.65	0.30	23.888
143.00	0.03	137,883	4.64	0.30	23.900
143.50	0.03	137,400	4.64	0.30	23.913
144.00	0.03	136,918	4.64	0.30	23.925
144.50	0.03	136,435	4.63	0.30	23.937
145.00	0.03	135,952	4.63	0.30	23.950
145.50	0.03	135,469	4.62	0.30	23.962
146.00	0.03	134,985	4.62	0.30	23.975
146.50	0.03	134,502	4.62	0.30	23.987
147.00	0.03	134,018	4.61	0.30	23.999
147.50	0.03	133,534	4.61	0.30	24.012
148.00	0.03	133,050	4.61	0.30	24.024
148.50	0.03	132,566	4.60	0.30	24.036
149.00	0.03	132,082	4.60	0.30	24.049
149.50	0.03	131,597	4.59	0.30	24.061
150.00	0.03	131,112	4.59	0.30	24.073

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Stage-Discharge for Pond 3P: Pond 1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
3.50	0.00	4.54	0.29	5.58	4.90	6.62	24.31
3.52	0.20	4.56	0.30	5.60	5.15	6.64	24.81
3.54	0.21	4.58	0.30	5.62	5.40	6.66	25.31
3.56	0.21	4.60	0.30	5.64	5.66	6.68	25.82
3.58	0.21	4.62	0.30	5.66	5.93	6.70	26.33
3.60	0.21	4.64	0.30	5.68	6.20	6.72	26.85
3.62	0.21	4.66	0.30	5.70	6.47	6.74	27.37
3.64	0.22	4.68	0.30	5.72	6.75	6.76	27.90
3.66	0.22	4.70	0.31	5.74	7.04	6.78	28.43
3.68	0.22	4.72	0.31	5.76	7.33	6.80	28.96
3.70	0.22	4.74	0.31	5.78	7.62	6.82	29.50
3.72	0.22	4.76	0.31	5.80	7.92	6.84	30.05
3.74	0.23	4.78	0.31	5.82	8.23	6.86	30.60
3.76	0.23	4.80	0.31	5.84	8.53	6.88	31.15
3.78	0.23	4.82	0.31	5.86	8.85	6.90	31.71
3.80	0.23	4.84	0.32	5.88	9.17	6.92	32.28
3.82	0.23	4.86	0.32	5.90	9.49	6.94	32.84
3.84	0.24	4.88	0.32	5.92	9.82	6.96	33.42
3.86	0.24	4.90	0.32	5.94	10.16	6.98	33.99
3.88	0.24	4.92	0.32	5.96	10.49	7.00	34.58
3.90	0.24	4.94	0.32	5.98	10.84	7.02	35.16
3.92	0.24	4.96	0.32	6.00	11.19	7.04	35.76
3.94	0.24	4.98	0.33	6.02	11.54	7.06	36.35
3.96	0.25	5.00	0.33	6.04	11.90	7.08	36.96
3.98	0.25	5.02	0.35	6.06	12.26	7.10	37.56
4.00	0.25	5.04	0.41	6.08	12.63	7.12	38.17
4.02	0.25	5.06	0.47	6.10	13.00	7.14	38.79
4.04	0.25	5.08	0.55	6.12	13.37	7.16	39.41
4.06	0.26	5.10	0.64	6.14	13.75	7.18	40.03
4.08	0.26	5.12	0.74	6.16	14.14	7.20	40.66
4.10	0.26	5.14	0.84	6.18	14.53	7.22	41.30
4.12	0.26	5.16	0.96	6.20	14.93	7.24	41.94
4.14	0.26	5.18	1.08	6.22	15.33	7.26	42.58
4.16	0.26	5.20	1.21	6.24	15.73	7.28	43.23
4.18	0.27	5.22	1.35	6.26	16.14	7.30	43.88
4.20	0.27	5.24	1.50	6.28	16.56	7.32	44.54
4.22	0.27	5.26	1.65	6.30	16.97	7.34	45.21
4.24	0.27	5.28	1.81	6.32	17.40	7.36	45.87
4.26	0.27	5.30	1.97	6.34	17.83	7.38	46.55
4.28	0.27	5.32	2.15	6.36	18.26	7.40	47.23
4.30	0.28	5.34	2.32	6.38	18.70	7.42	47.91
4.32	0.28	5.36	2.51	6.40	19.14	7.44	48.60
4.34	0.28	5.38	2.70	6.42	19.59	7.46	49.29
4.36	0.28	5.40	2.89	6.44	20.04	7.48	49.98
4.38	0.28	5.42	3.09	6.46	20.49	7.50	50.69
4.40	0.28	5.44	3.30	6.48	20.95	7.52	51.39
4.42	0.28	5.46	3.51	6.50	21.42	7.54	52.10
4.44	0.29	5.48	3.73	6.52	21.89	7.56	52.82
4.46	0.29	5.50	3.95	6.54	22.36	7.58	53.54
4.48	0.29	5.52	4.18	6.56	22.84	7.60	54.27
4.50	0.29	5.54	4.41	6.58	23.33	7.62	55.00
4.52	0.29	5.56	4.65	6.60	23.82	7.64	55.73

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Stage-Discharge for Pond 3P: Pond 1 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
7.66	56.47	8.70	111.64
7.68	57.22	8.72	113.11
7.70	57.97	8.74	114.59
7.72	58.72	8.76	116.09
7.74	59.48	8.78	117.60
7.76	60.25	8.80	119.12
7.78	61.02	8.82	120.67
7.80	61.79	8.84	122.24
7.82	62.57	8.86	123.82
7.84	63.36	8.88	125.42
7.86	64.15	8.90	127.03
7.88	64.94	8.92	128.65
7.90	65.74	8.94	130.30
7.92	66.54	8.96	131.95
7.94	67.35	8.98	133.63
7.96	68.17	9.00	135.31
7.98	68.99		
8.00	69.81		
8.02	70.68		
8.04	71.60		
8.06	72.55		
8.08	73.52		
8.10	74.51		
8.12	75.53		
8.14	76.56		
8.16	77.61		
8.18	78.68		
8.20	79.76		
8.22	80.87		
8.24	81.99		
8.26	83.12		
8.28	84.27		
8.30	85.43		
8.32	86.61		
8.34	87.80		
8.36	89.01		
8.38	90.23		
8.40	91.46		
8.42	92.71		
8.44	93.97		
8.46	95.24		
8.48	96.53		
8.50	97.83		
8.52	99.14		
8.54	100.47		
8.56	101.81		
8.58	103.16		
8.60	104.52		
8.62	105.92		
8.64	107.33		
8.66	108.75		
8.68	110.19		

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Stage-Area-Storage for Pond 3P: Pond 1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
3.50	0	4.54	124,724	5.58	263,675
3.52	2,233	4.56	127,276	5.60	266,442
3.54	4,466	4.58	129,828	5.62	269,210
3.56	6,699	4.60	132,379	5.64	271,977
3.58	8,932	4.62	134,931	5.66	274,745
3.60	11,165	4.64	137,483	5.68	277,512
3.62	13,398	4.66	140,035	5.70	280,280
3.64	15,630	4.68	142,587	5.72	283,047
3.66	17,863	4.70	145,139	5.74	285,815
3.68	20,096	4.72	147,691	5.76	288,582
3.70	22,329	4.74	150,243	5.78	291,350
3.72	24,562	4.76	152,794	5.80	294,117
3.74	26,795	4.78	155,346	5.82	296,885
3.76	29,028	4.80	157,898	5.84	299,652
3.78	31,261	4.82	160,450	5.86	302,420
3.80	33,494	4.84	163,002	5.88	305,187
3.82	35,727	4.86	165,554	5.90	307,955
3.84	37,960	4.88	168,106	5.92	310,722
3.86	40,193	4.90	170,658	5.94	313,490
3.88	42,425	4.92	173,209	5.96	316,257
3.90	44,658	4.94	175,761	5.98	319,025
3.92	46,891	4.96	178,313	6.00	321,792
3.94	49,124	4.98	180,865	6.02	324,742
3.96	51,357	5.00	183,417	6.04	327,692
3.98	53,590	5.02	186,185	6.06	330,643
4.00	55,823	5.04	188,952	6.08	333,593
4.02	58,375	5.06	191,719	6.10	336,543
4.04	60,927	5.08	194,487	6.12	339,493
4.06	63,479	5.10	197,254	6.14	342,443
4.08	66,031	5.12	200,022	6.16	345,393
4.10	68,582	5.14	202,789	6.18	348,344
4.12	71,134	5.16	205,557	6.20	351,294
4.14	73,686	5.18	208,324	6.22	354,244
4.16	76,238	5.20	211,092	6.24	357,194
4.18	78,790	5.22	213,859	6.26	360,144
4.20	81,342	5.24	216,627	6.28	363,095
4.22	83,894	5.26	219,394	6.30	366,045
4.24	86,446	5.28	222,162	6.32	368,995
4.26	88,997	5.30	224,929	6.34	371,945
4.28	91,549	5.32	227,697	6.36	374,895
4.30	94,101	5.34	230,464	6.38	377,845
4.32	96,653	5.36	233,232	6.40	380,796
4.34	99,205	5.38	235,999	6.42	383,746
4.36	101,757	5.40	238,767	6.44	386,696
4.38	104,309	5.42	241,535	6.46	389,646
4.40	106,861	5.44	244,302	6.48	392,596
4.42	109,412	5.46	247,070	6.50	395,547
4.44	111,964	5.48	249,837	6.52	398,497
4.46	114,516	5.50	252,605	6.54	401,447
4.48	117,068	5.52	255,372	6.56	404,397
4.50	119,620	5.54	258,140	6.58	407,347
4.52	122,172	5.56	260,907	6.60	410,297

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Stage-Area-Storage for Pond 3P: Pond 1 (continued)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
6.62	413,248	7.66	572,725	8.70	744,312
6.64	416,198	7.68	575,859	8.72	747,693
6.66	419,148	7.70	578,993	8.74	751,073
6.68	422,098	7.72	582,127	8.76	754,453
6.70	425,048	7.74	585,261	8.78	757,833
6.72	427,998	7.76	588,395	8.80	761,214
6.74	430,949	7.78	591,529	8.82	764,594
6.76	433,899	7.80	594,663	8.84	767,974
6.78	436,849	7.82	597,797	8.86	771,354
6.80	439,799	7.84	600,932	8.88	774,735
6.82	442,749	7.86	604,066	8.90	778,115
6.84	445,700	7.88	607,200	8.92	781,495
6.86	448,650	7.90	610,334	8.94	784,875
6.88	451,600	7.92	613,468	8.96	788,256
6.90	454,550	7.94	616,602	8.98	791,636
6.92	457,500	7.96	619,736	9.00	795,016
6.94	460,450	7.98	622,870		
6.96	463,401	8.00	626,004		
6.98	466,351	8.02	629,384		
7.00	469,301	8.04	632,764		
7.02	472,435	8.06	636,145		
7.04	475,569	8.08	639,525		
7.06	478,703	8.10	642,905		
7.08	481,837	8.12	646,285		
7.10	484,971	8.14	649,666		
7.12	488,105	8.16	653,046		
7.14	491,239	8.18	656,426		
7.16	494,373	8.20	659,806		
7.18	497,508	8.22	663,187		
7.20	500,642	8.24	666,567		
7.22	503,776	8.26	669,947		
7.24	506,910	8.28	673,327		
7.26	510,044	8.30	676,708		
7.28	513,178	8.32	680,088		
7.30	516,312	8.34	683,468		
7.32	519,446	8.36	686,848		
7.34	522,580	8.38	690,229		
7.36	525,714	8.40	693,609		
7.38	528,848	8.42	696,989		
7.40	531,982	8.44	700,369		
7.42	535,116	8.46	703,750		
7.44	538,250	8.48	707,130		
7.46	541,384	8.50	710,510		
7.48	544,518	8.52	713,890		
7.50	547,653	8.54	717,270		
7.52	550,787	8.56	720,651		
7.54	553,921	8.58	724,031		
7.56	557,055	8.60	727,411		
7.58	560,189	8.62	730,791		
7.60	563,323	8.64	734,172		
7.62	566,457	8.66	737,552		
7.64	569,591	8.68	740,932		

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Summary for Pond 13P: Pond 2

Inflow Area = 14.190 ac, 84.71% Impervious, Inflow Depth = 12.83" for 25YR-72HR event
Inflow = 70.99 cfs @ 60.04 hrs, Volume= 15.177 af
Outflow = 46.88 cfs @ 60.51 hrs, Volume= 14.556 af, Atten= 34%, Lag= 28.2 min
Primary = 46.88 cfs @ 60.51 hrs, Volume= 14.556 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs

Peak Elev= 5.91' @ 60.51 hrs Surf.Area= 0 sf Storage= 213,567 cf

Plug-Flow detention time= 671.4 min calculated for 14.508 af (96% of inflow)

Center-of-Mass det. time= 641.6 min (3,826.1 - 3,184.5)

Volume	Invert	Avail.Storage	Storage Description
#1	3.00'	264,085 cf	Custom Stage Data Listed below

Elevation (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
3.00	0	0
4.00	65,856	65,856
5.00	73,643	139,499
6.00	81,159	220,658
6.50	43,427	264,085

Device	Routing	Invert	Outlet Devices
#1	Primary	5.50'	8.0' long x 1.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 Coef. (English) 2.69 2.72 2.75 2.85 2.98 3.08 3.20 3.28 3.31 3.30 3.31 3.32
#2	Primary	4.25'	116.0 deg x 4.0' long Sharp-Crested Vee/Trap Weir Cv= 2.48 (C= 3.10)
#3	Primary	2.00'	2.0" Vert. Orifice/Grate X 2 rows with 12.0" cc spacing C= 0.600

Primary OutFlow Max=46.63 cfs @ 60.51 hrs HW=5.91' TW=0.00' (Dynamic Tailwater)

1=Broad-Crested Rectangular Weir (Weir Controls 5.69 cfs @ 1.74 fps)

2=Sharp-Crested Vee/Trap Weir (Weir Controls 40.56 cfs @ 3.67 fps)

3=Orifice/Grate (Orifice Controls 0.38 cfs @ 8.76 fps)

Proposed Stormwater Model REV 1

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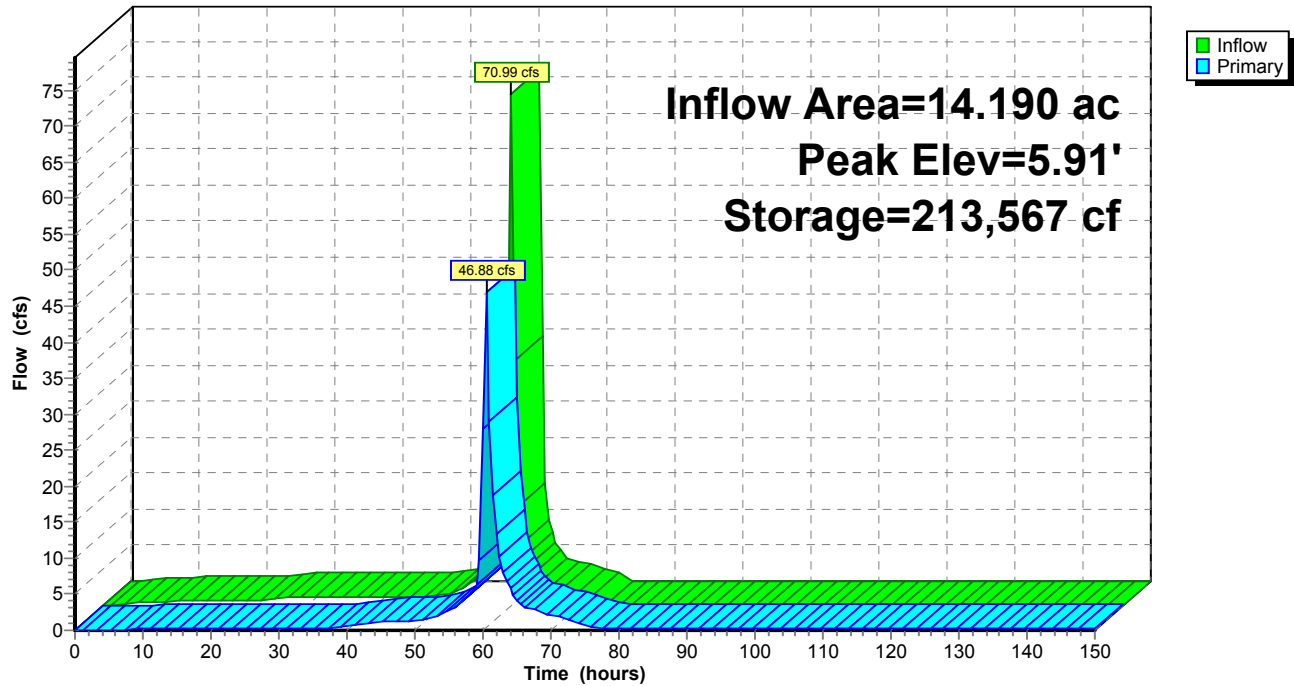
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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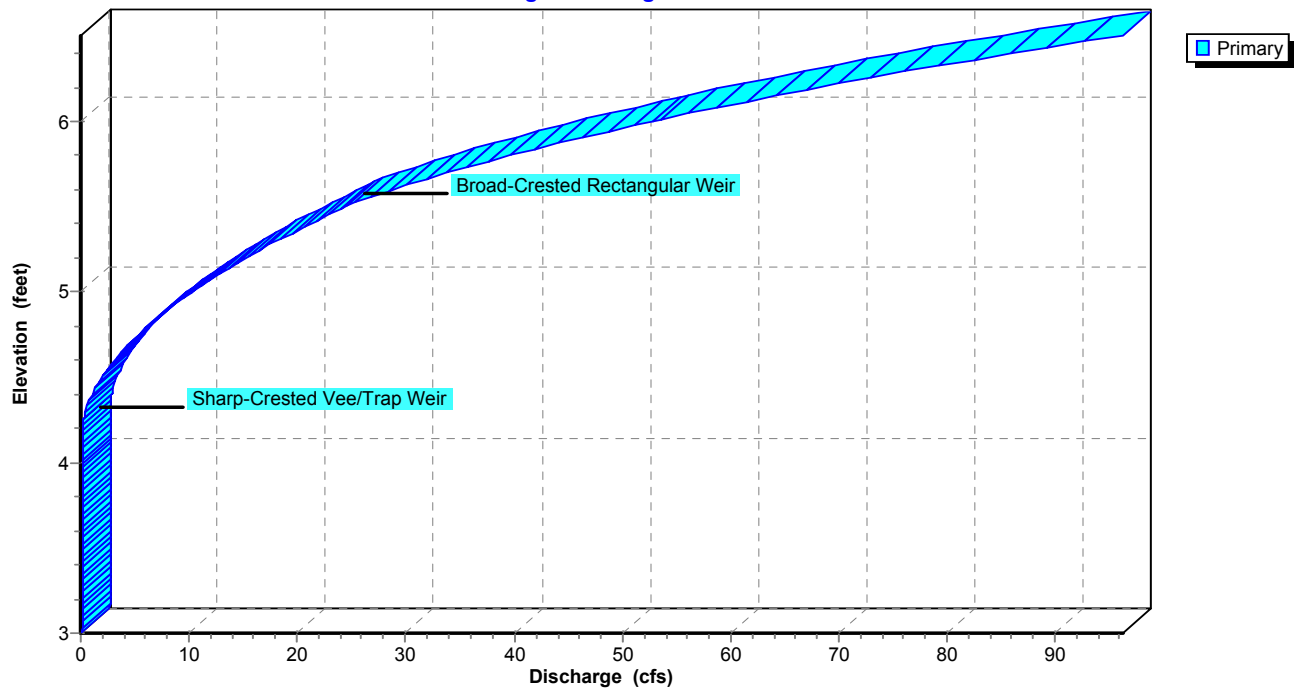
Pond 13P: Pond 2

Hydrograph



Pond 13P: Pond 2

Stage-Discharge



Proposed Stormwater Model REV 1

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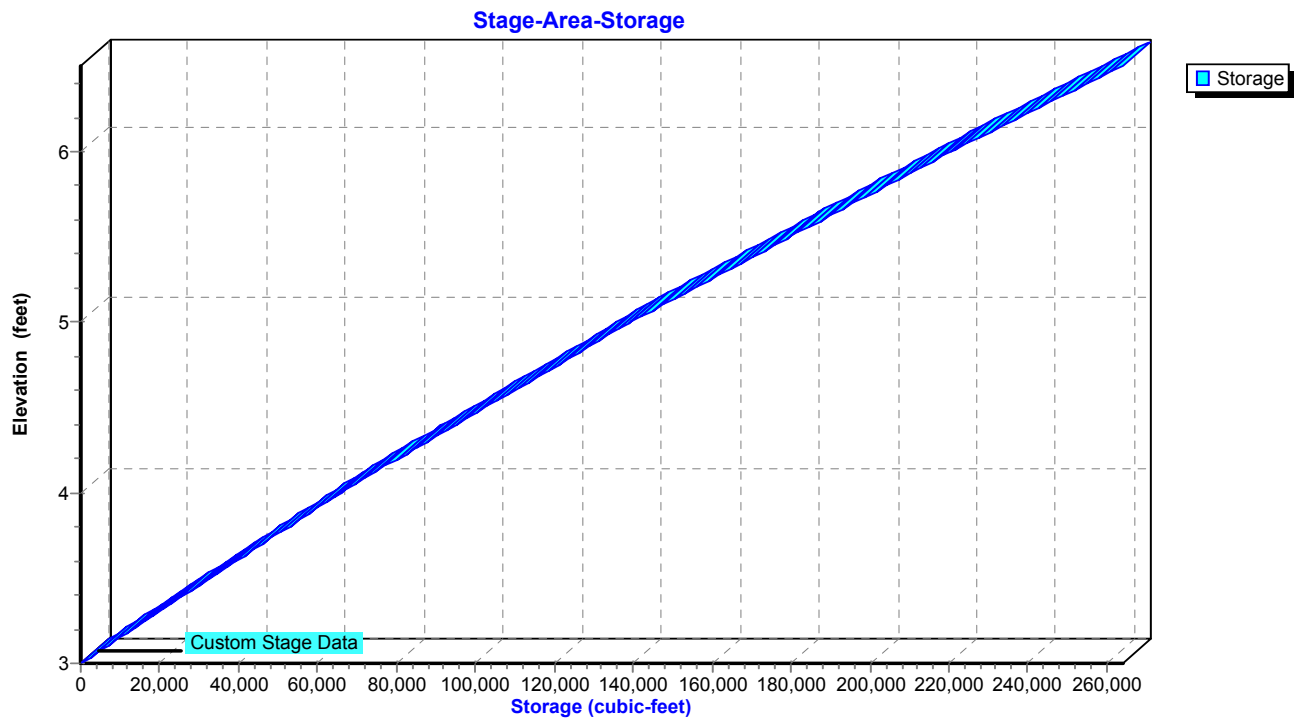
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Pond 13P: Pond 2



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Pond 13P: **Pond 2**

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
0.00	0.00	0	3.00	0.00	0.000
0.50	0.00	0	3.00	0.00	0.000
1.00	0.01	0	3.00	0.01	0.000
1.50	0.05	0	3.00	0.05	0.003
2.00	0.10	2	3.00	0.10	0.007
2.50	0.13	33	3.00	0.10	0.011
3.00	0.17	126	3.00	0.10	0.015
3.50	0.23	306	3.00	0.10	0.019
4.00	0.28	586	3.01	0.10	0.023
4.50	0.33	955	3.01	0.10	0.027
5.00	0.37	1,402	3.02	0.10	0.032
5.50	0.41	1,918	3.03	0.10	0.036
6.00	0.44	2,493	3.04	0.11	0.040
6.50	0.47	3,120	3.05	0.11	0.045
7.00	0.50	3,793	3.06	0.11	0.049
7.50	0.52	4,506	3.07	0.11	0.054
8.00	0.54	5,255	3.08	0.11	0.059
8.50	0.56	6,034	3.09	0.12	0.063
9.00	0.58	6,841	3.10	0.12	0.068
9.50	0.59	7,671	3.12	0.13	0.074
10.00	0.61	8,522	3.13	0.13	0.079
10.50	0.62	9,391	3.14	0.13	0.085
11.00	0.63	10,278	3.16	0.14	0.090
11.50	0.65	11,180	3.17	0.14	0.096
12.00	0.66	12,096	3.18	0.14	0.102
12.50	0.67	13,026	3.20	0.15	0.108
13.00	0.68	13,968	3.21	0.15	0.114
13.50	0.68	14,921	3.23	0.15	0.120
14.00	0.69	15,885	3.24	0.15	0.127
14.50	0.70	16,857	3.26	0.16	0.133
15.00	0.71	17,839	3.27	0.16	0.140
15.50	0.71	18,828	3.29	0.16	0.147
16.00	0.72	19,824	3.30	0.16	0.154
16.50	0.73	20,826	3.32	0.17	0.160
17.00	0.73	21,835	3.33	0.17	0.167
17.50	0.74	22,849	3.35	0.17	0.175
18.00	0.74	23,868	3.36	0.17	0.182
18.50	0.75	24,892	3.38	0.18	0.189
19.00	0.75	25,920	3.39	0.18	0.196
19.50	0.75	26,951	3.41	0.18	0.204
20.00	0.76	27,986	3.42	0.18	0.211
20.50	0.76	29,024	3.44	0.19	0.219
21.00	0.77	30,065	3.46	0.19	0.227
21.50	0.77	31,108	3.47	0.19	0.235
22.00	0.77	32,154	3.49	0.19	0.243
22.50	0.78	33,202	3.50	0.19	0.251
23.00	0.78	34,251	3.52	0.20	0.259
23.50	0.78	35,302	3.54	0.20	0.267
24.00	0.79	36,364	3.55	0.20	0.275
24.50	0.92	37,542	3.57	0.20	0.283
25.00	1.03	38,931	3.59	0.20	0.292
25.50	1.06	40,448	3.61	0.21	0.300

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Pond 13P: Pond 2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
26.00	1.09	42,011	3.64	0.21	0.309
26.50	1.11	43,611	3.66	0.21	0.318
27.00	1.13	45,248	3.69	0.21	0.327
27.50	1.16	46,922	3.71	0.22	0.336
28.00	1.18	48,632	3.74	0.22	0.345
28.50	1.20	50,380	3.77	0.22	0.354
29.00	1.23	52,165	3.79	0.23	0.363
29.50	1.25	53,986	3.82	0.23	0.373
30.00	1.35	55,912	3.85	0.23	0.382
30.50	1.29	57,864	3.88	0.23	0.392
31.00	1.19	59,669	3.91	0.24	0.402
31.50	1.19	61,380	3.93	0.24	0.412
32.00	1.19	63,082	3.96	0.24	0.422
32.50	1.19	64,784	3.98	0.24	0.432
33.00	1.19	66,485	4.01	0.25	0.442
33.50	1.19	68,186	4.03	0.25	0.452
34.00	1.20	69,886	4.05	0.25	0.463
34.50	1.20	71,586	4.08	0.25	0.473
35.00	1.20	73,286	4.10	0.26	0.484
35.50	1.20	74,984	4.12	0.26	0.494
36.00	1.20	76,682	4.15	0.26	0.505
36.50	1.20	78,379	4.17	0.26	0.516
37.00	1.21	80,076	4.19	0.26	0.527
37.50	1.21	81,771	4.22	0.27	0.538
38.00	1.21	83,465	4.24	0.27	0.549
38.50	1.21	85,143	4.26	0.29	0.560
39.00	1.21	86,751	4.28	0.35	0.575
39.50	1.21	88,230	4.30	0.43	0.593
40.00	1.21	89,558	4.32	0.52	0.614
40.50	1.21	90,730	4.34	0.61	0.639
41.00	1.21	91,748	4.35	0.69	0.668
41.50	1.22	92,622	4.36	0.77	0.699
42.00	1.22	93,365	4.37	0.84	0.734
42.50	1.22	93,993	4.38	0.90	0.771
43.00	1.22	94,519	4.39	0.95	0.811
43.50	1.22	94,959	4.40	1.00	0.852
44.00	1.22	95,324	4.40	1.04	0.895
44.50	1.22	95,626	4.40	1.07	0.939
45.00	1.22	95,876	4.41	1.10	0.984
45.50	1.22	96,083	4.41	1.12	1.030
46.00	1.22	96,253	4.41	1.14	1.077
46.50	1.22	96,393	4.41	1.15	1.125
47.00	1.22	96,509	4.42	1.17	1.173
47.50	1.23	96,604	4.42	1.18	1.222
48.00	1.34	96,774	4.42	1.20	1.271
48.50	1.45	97,091	4.42	1.23	1.322
49.00	1.39	97,394	4.43	1.27	1.375
49.50	1.40	97,602	4.43	1.29	1.428
50.00	1.47	97,827	4.43	1.32	1.483
50.50	1.62	98,184	4.44	1.36	1.539
51.00	1.69	98,655	4.45	1.42	1.598
51.50	1.78	99,165	4.45	1.49	1.659

Proposed Stormwater Model REV 1

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Hydrograph for Pond 13P: Pond 2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
52.00	1.90	99,736	4.46	1.56	1.724
52.50	2.23	100,551	4.47	1.67	1.793
53.00	2.51	101,683	4.49	1.82	1.868
53.50	2.75	102,973	4.50	2.01	1.951
54.00	3.00	104,348	4.52	2.21	2.042
54.50	3.32	105,843	4.54	2.44	2.143
55.00	3.62	107,451	4.56	2.70	2.255
55.50	3.90	109,094	4.59	2.98	2.378
56.00	4.19	110,740	4.61	3.28	2.514
56.50	4.66	112,513	4.63	3.61	2.663
57.00	5.10	114,467	4.66	3.98	2.827
57.50	5.49	116,466	4.69	4.39	3.009
58.00	5.91	118,452	4.71	4.81	3.207
58.50	6.75	120,736	4.75	5.31	3.427
59.00	9.10	124,617	4.80	6.22	3.684
59.50	21.40	137,677	4.98	9.76	4.087
60.00	70.76	186,635	5.58	28.00	5.244
60.50	34.04	213,562	5.91	46.88	7.181
61.00	13.51	188,165	5.60	28.88	8.375
61.50	8.45	165,149	5.32	18.65	9.146
62.00	6.78	149,981	5.13	13.43	9.701
62.50	5.38	139,539	5.00	10.32	10.127
63.00	4.70	132,000	4.90	8.13	10.463
63.50	4.23	126,662	4.83	6.73	10.741
64.00	3.65	122,540	4.77	5.73	10.978
64.50	2.78	118,777	4.72	4.88	11.179
65.00	2.56	115,428	4.67	4.18	11.352
65.50	2.54	112,944	4.64	3.69	11.504
66.00	2.56	111,197	4.62	3.36	11.643
66.50	2.56	109,962	4.60	3.14	11.773
67.00	2.59	109,089	4.59	2.98	11.896
67.50	2.65	108,524	4.58	2.89	12.015
68.00	2.37	107,939	4.57	2.79	12.131
68.50	1.84	106,874	4.56	2.61	12.238
69.00	1.71	105,561	4.54	2.40	12.337
69.50	1.70	104,461	4.52	2.23	12.430
70.00	1.70	103,620	4.51	2.10	12.516
70.50	1.70	102,978	4.50	2.01	12.599
71.00	1.70	102,485	4.50	1.93	12.679
71.50	1.70	102,105	4.49	1.88	12.757
72.00	1.50	101,656	4.49	1.82	12.832
72.50	0.39	100,261	4.47	1.63	12.899
73.00	0.03	97,969	4.44	1.34	12.955
73.50	0.00	95,810	4.41	1.09	13.000
74.00	0.00	94,019	4.38	0.90	13.037
74.50	0.00	92,524	4.36	0.76	13.068
75.00	0.00	91,255	4.34	0.65	13.095
75.50	0.00	90,164	4.33	0.56	13.118
76.00	0.00	89,213	4.32	0.49	13.139
76.50	0.00	88,373	4.31	0.44	13.157
77.00	0.00	87,623	4.30	0.39	13.173
77.50	0.00	86,946	4.29	0.36	13.188

Proposed Stormwater Model REV 1

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Hydrograph for Pond 13P: Pond 2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
78.00	0.00	86,327	4.28	0.33	13.202
78.50	0.00	85,756	4.27	0.31	13.214
79.00	0.00	85,222	4.26	0.29	13.226
79.50	0.00	84,716	4.26	0.27	13.237
80.00	0.00	84,228	4.25	0.27	13.248
80.50	0.00	83,746	4.24	0.27	13.260
81.00	0.00	83,265	4.24	0.27	13.271
81.50	0.00	82,785	4.23	0.27	13.282
82.00	0.00	82,306	4.22	0.27	13.293
82.50	0.00	81,828	4.22	0.27	13.303
83.00	0.00	81,351	4.21	0.26	13.314
83.50	0.00	80,875	4.20	0.26	13.325
84.00	0.00	80,400	4.20	0.26	13.336
84.50	0.00	79,926	4.19	0.26	13.347
85.00	0.00	79,453	4.18	0.26	13.358
85.50	0.00	78,981	4.18	0.26	13.369
86.00	0.00	78,510	4.17	0.26	13.380
86.50	0.00	78,040	4.17	0.26	13.390
87.00	0.00	77,571	4.16	0.26	13.401
87.50	0.00	77,103	4.15	0.26	13.412
88.00	0.00	76,636	4.15	0.26	13.423
88.50	0.00	76,170	4.14	0.26	13.433
89.00	0.00	75,705	4.13	0.26	13.444
89.50	0.00	75,241	4.13	0.26	13.455
90.00	0.00	74,778	4.12	0.26	13.465
90.50	0.00	74,316	4.11	0.26	13.476
91.00	0.00	73,855	4.11	0.26	13.486
91.50	0.00	73,395	4.10	0.26	13.497
92.00	0.00	72,936	4.10	0.25	13.507
92.50	0.00	72,478	4.09	0.25	13.518
93.00	0.00	72,020	4.08	0.25	13.528
93.50	0.00	71,564	4.08	0.25	13.539
94.00	0.00	71,109	4.07	0.25	13.549
94.50	0.00	70,655	4.07	0.25	13.560
95.00	0.00	70,202	4.06	0.25	13.570
95.50	0.00	69,750	4.05	0.25	13.580
96.00	0.00	69,299	4.05	0.25	13.591
96.50	0.00	68,849	4.04	0.25	13.601
97.00	0.00	68,400	4.03	0.25	13.611
97.50	0.00	67,952	4.03	0.25	13.622
98.00	0.00	67,505	4.02	0.25	13.632
98.50	0.00	67,059	4.02	0.25	13.642
99.00	0.00	66,614	4.01	0.25	13.652
99.50	0.00	66,170	4.00	0.25	13.663
100.00	0.00	65,727	4.00	0.25	13.673
100.50	0.00	65,285	3.99	0.25	13.683
101.00	0.00	64,844	3.98	0.24	13.693
101.50	0.00	64,405	3.98	0.24	13.703
102.00	0.00	63,966	3.97	0.24	13.713
102.50	0.00	63,529	3.96	0.24	13.723
103.00	0.00	63,092	3.96	0.24	13.733
103.50	0.00	62,657	3.95	0.24	13.743

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Hydrograph for Pond 13P: Pond 2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
104.00	0.00	62,223	3.94	0.24	13.753
104.50	0.00	61,790	3.94	0.24	13.763
105.00	0.00	61,359	3.93	0.24	13.773
105.50	0.00	60,928	3.93	0.24	13.783
106.00	0.00	60,498	3.92	0.24	13.793
106.50	0.00	60,070	3.91	0.24	13.802
107.00	0.00	59,643	3.91	0.24	13.812
107.50	0.00	59,217	3.90	0.24	13.822
108.00	0.00	58,792	3.89	0.24	13.832
108.50	0.00	58,368	3.89	0.24	13.841
109.00	0.00	57,945	3.88	0.23	13.851
109.50	0.00	57,523	3.87	0.23	13.861
110.00	0.00	57,103	3.87	0.23	13.870
110.50	0.00	56,683	3.86	0.23	13.880
111.00	0.00	56,265	3.85	0.23	13.890
111.50	0.00	55,848	3.85	0.23	13.899
112.00	0.00	55,432	3.84	0.23	13.909
112.50	0.00	55,017	3.84	0.23	13.918
113.00	0.00	54,604	3.83	0.23	13.928
113.50	0.00	54,191	3.82	0.23	13.937
114.00	0.00	53,780	3.82	0.23	13.947
114.50	0.00	53,369	3.81	0.23	13.956
115.00	0.00	52,960	3.80	0.23	13.965
115.50	0.00	52,552	3.80	0.23	13.975
116.00	0.00	52,145	3.79	0.23	13.984
116.50	0.00	51,740	3.79	0.23	13.993
117.00	0.00	51,335	3.78	0.22	14.003
117.50	0.00	50,932	3.77	0.22	14.012
118.00	0.00	50,529	3.77	0.22	14.021
118.50	0.00	50,128	3.76	0.22	14.030
119.00	0.00	49,728	3.76	0.22	14.040
119.50	0.00	49,329	3.75	0.22	14.049
120.00	0.00	48,932	3.74	0.22	14.058
120.50	0.00	48,535	3.74	0.22	14.067
121.00	0.00	48,140	3.73	0.22	14.076
121.50	0.00	47,745	3.72	0.22	14.085
122.00	0.00	47,352	3.72	0.22	14.094
122.50	0.00	46,960	3.71	0.22	14.103
123.00	0.00	46,569	3.71	0.22	14.112
123.50	0.00	46,180	3.70	0.22	14.121
124.00	0.00	45,791	3.70	0.22	14.130
124.50	0.00	45,404	3.69	0.21	14.139
125.00	0.00	45,017	3.68	0.21	14.148
125.50	0.00	44,632	3.68	0.21	14.156
126.00	0.00	44,248	3.67	0.21	14.165
126.50	0.00	43,866	3.67	0.21	14.174
127.00	0.00	43,484	3.66	0.21	14.183
127.50	0.00	43,103	3.65	0.21	14.191
128.00	0.00	42,724	3.65	0.21	14.200
128.50	0.00	42,346	3.64	0.21	14.209
129.00	0.00	41,969	3.64	0.21	14.217
129.50	0.00	41,593	3.63	0.21	14.226

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Hydrograph for Pond 13P: Pond 2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
130.00	0.00	41,218	3.63	0.21	14.235
130.50	0.00	40,845	3.62	0.21	14.243
131.00	0.00	40,472	3.61	0.21	14.252
131.50	0.00	40,101	3.61	0.21	14.260
132.00	0.00	39,731	3.60	0.21	14.269
132.50	0.00	39,362	3.60	0.20	14.277
133.00	0.00	38,995	3.59	0.20	14.286
133.50	0.00	38,628	3.59	0.20	14.294
134.00	0.00	38,263	3.58	0.20	14.302
134.50	0.00	37,899	3.58	0.20	14.311
135.00	0.00	37,535	3.57	0.20	14.319
135.50	0.00	37,174	3.56	0.20	14.327
136.00	0.00	36,813	3.56	0.20	14.336
136.50	0.00	36,453	3.55	0.20	14.344
137.00	0.00	36,095	3.55	0.20	14.352
137.50	0.00	35,738	3.54	0.20	14.360
138.00	0.00	35,382	3.54	0.20	14.368
138.50	0.00	35,027	3.53	0.20	14.376
139.00	0.00	34,674	3.53	0.20	14.385
139.50	0.00	34,321	3.52	0.20	14.393
140.00	0.00	33,970	3.52	0.19	14.401
140.50	0.00	33,620	3.51	0.19	14.409
141.00	0.00	33,271	3.51	0.19	14.417
141.50	0.00	32,923	3.50	0.19	14.425
142.00	0.00	32,577	3.49	0.19	14.433
142.50	0.00	32,231	3.49	0.19	14.441
143.00	0.00	31,887	3.48	0.19	14.448
143.50	0.00	31,544	3.48	0.19	14.456
144.00	0.00	31,203	3.47	0.19	14.464
144.50	0.00	30,862	3.47	0.19	14.472
145.00	0.00	30,523	3.46	0.19	14.480
145.50	0.00	30,185	3.46	0.19	14.487
146.00	0.00	29,848	3.45	0.19	14.495
146.50	0.00	29,512	3.45	0.19	14.503
147.00	0.00	29,178	3.44	0.19	14.511
147.50	0.00	28,844	3.44	0.18	14.518
148.00	0.00	28,512	3.43	0.18	14.526
148.50	0.00	28,181	3.43	0.18	14.533
149.00	0.00	27,852	3.42	0.18	14.541
149.50	0.00	27,523	3.42	0.18	14.548
150.00	0.00	27,196	3.41	0.18	14.556

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Stage-Discharge for Pond 13P: Pond 2

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
3.00	0.00	3.52	0.20	4.04	0.25	4.56	2.65
3.01	0.10	3.53	0.20	4.05	0.25	4.57	2.77
3.02	0.10	3.54	0.20	4.06	0.25	4.58	2.89
3.03	0.10	3.55	0.20	4.07	0.25	4.59	3.02
3.04	0.11	3.56	0.20	4.08	0.25	4.60	3.15
3.05	0.11	3.57	0.20	4.09	0.25	4.61	3.28
3.06	0.11	3.58	0.20	4.10	0.26	4.62	3.42
3.07	0.11	3.59	0.20	4.11	0.26	4.63	3.56
3.08	0.11	3.60	0.20	4.12	0.26	4.64	3.70
3.09	0.12	3.61	0.21	4.13	0.26	4.65	3.84
3.10	0.12	3.62	0.21	4.14	0.26	4.66	3.98
3.11	0.12	3.63	0.21	4.15	0.26	4.67	4.13
3.12	0.13	3.64	0.21	4.16	0.26	4.68	4.28
3.13	0.13	3.65	0.21	4.17	0.26	4.69	4.43
3.14	0.13	3.66	0.21	4.18	0.26	4.70	4.59
3.15	0.14	3.67	0.21	4.19	0.26	4.71	4.74
3.16	0.14	3.68	0.21	4.20	0.26	4.72	4.90
3.17	0.14	3.69	0.21	4.21	0.26	4.73	5.06
3.18	0.14	3.70	0.22	4.22	0.27	4.74	5.23
3.19	0.14	3.71	0.22	4.23	0.27	4.75	5.39
3.20	0.15	3.72	0.22	4.24	0.27	4.76	5.56
3.21	0.15	3.73	0.22	4.25	0.27	4.77	5.73
3.22	0.15	3.74	0.22	4.26	0.28	4.78	5.91
3.23	0.15	3.75	0.22	4.27	0.31	4.79	6.08
3.24	0.15	3.76	0.22	4.28	0.34	4.80	6.26
3.25	0.16	3.77	0.22	4.29	0.37	4.81	6.44
3.26	0.16	3.78	0.22	4.30	0.41	4.82	6.62
3.27	0.16	3.79	0.23	4.31	0.46	4.83	6.81
3.28	0.16	3.80	0.23	4.32	0.51	4.84	6.99
3.29	0.16	3.81	0.23	4.33	0.56	4.85	7.18
3.30	0.16	3.82	0.23	4.34	0.62	4.86	7.38
3.31	0.17	3.83	0.23	4.35	0.68	4.87	7.57
3.32	0.17	3.84	0.23	4.36	0.75	4.88	7.77
3.33	0.17	3.85	0.23	4.37	0.81	4.89	7.97
3.34	0.17	3.86	0.23	4.38	0.88	4.90	8.17
3.35	0.17	3.87	0.23	4.39	0.96	4.91	8.37
3.36	0.17	3.88	0.23	4.40	1.04	4.92	8.58
3.37	0.18	3.89	0.24	4.41	1.12	4.93	8.79
3.38	0.18	3.90	0.24	4.42	1.20	4.94	9.00
3.39	0.18	3.91	0.24	4.43	1.28	4.95	9.21
3.40	0.18	3.92	0.24	4.44	1.37	4.96	9.43
3.41	0.18	3.93	0.24	4.45	1.46	4.97	9.64
3.42	0.18	3.94	0.24	4.46	1.56	4.98	9.86
3.43	0.18	3.95	0.24	4.47	1.66	4.99	10.09
3.44	0.19	3.96	0.24	4.48	1.76	5.00	10.31
3.45	0.19	3.97	0.24	4.49	1.86	5.01	10.54
3.46	0.19	3.98	0.24	4.50	1.96	5.02	10.77
3.47	0.19	3.99	0.25	4.51	2.07	5.03	11.00
3.48	0.19	4.00	0.25	4.52	2.18	5.04	11.24
3.49	0.19	4.01	0.25	4.53	2.29	5.05	11.47
3.50	0.19	4.02	0.25	4.54	2.41	5.06	11.71
3.51	0.19	4.03	0.25	4.55	2.53	5.07	11.95

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Stage-Discharge for Pond 13P: Pond 2 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
5.08	12.20	5.60	28.90	6.12	61.86
5.09	12.44	5.61	29.38	6.13	62.65
5.10	12.69	5.62	29.86	6.14	63.45
5.11	12.94	5.63	30.36	6.15	64.25
5.12	13.20	5.64	30.85	6.16	65.06
5.13	13.45	5.65	31.36	6.17	65.88
5.14	13.71	5.66	31.88	6.18	66.70
5.15	13.97	5.67	32.40	6.19	67.52
5.16	14.24	5.68	32.92	6.20	68.36
5.17	14.50	5.69	33.45	6.21	69.19
5.18	14.77	5.70	33.99	6.22	70.04
5.19	15.04	5.71	34.54	6.23	70.89
5.20	15.31	5.72	35.09	6.24	71.74
5.21	15.59	5.73	35.65	6.25	72.60
5.22	15.86	5.74	36.22	6.26	73.47
5.23	16.14	5.75	36.79	6.27	74.34
5.24	16.43	5.76	37.36	6.28	75.22
5.25	16.71	5.77	37.95	6.29	76.11
5.26	17.00	5.78	38.54	6.30	77.00
5.27	17.29	5.79	39.13	6.31	77.90
5.28	17.58	5.80	39.73	6.32	78.81
5.29	17.87	5.81	40.34	6.33	79.73
5.30	18.17	5.82	40.95	6.34	80.65
5.31	18.47	5.83	41.57	6.35	81.58
5.32	18.77	5.84	42.19	6.36	82.51
5.33	19.07	5.85	42.82	6.37	83.45
5.34	19.38	5.86	43.45	6.38	84.40
5.35	19.69	5.87	44.09	6.39	85.35
5.36	20.00	5.88	44.74	6.40	86.31
5.37	20.32	5.89	45.39	6.41	87.28
5.38	20.63	5.90	46.05	6.42	88.25
5.39	20.95	5.91	46.71	6.43	89.23
5.40	21.27	5.92	47.38	6.44	90.21
5.41	21.60	5.93	48.05	6.45	91.20
5.42	21.92	5.94	48.73	6.46	92.20
5.43	22.25	5.95	49.41	6.47	93.20
5.44	22.58	5.96	50.10	6.48	94.21
5.45	22.92	5.97	50.79	6.49	95.22
5.46	23.25	5.98	51.49	6.50	96.24
5.47	23.59	5.99	52.20		
5.48	23.93	6.00	52.91		
5.49	24.27	6.01	53.62		
5.50	24.62	6.02	54.34		
5.51	24.99	6.03	55.07		
5.52	25.38	6.04	55.80		
5.53	25.79	6.05	56.54		
5.54	26.20	6.06	57.28		
5.55	26.63	6.07	58.02		
5.56	27.07	6.08	58.78		
5.57	27.51	6.09	59.53		
5.58	27.97	6.10	60.29		
5.59	28.43	6.11	61.08		

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Stage-Area-Storage for Pond 13P: Pond 2

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
3.00	0	3.52	34,245	4.04	68,802
3.01	659	3.53	34,904	4.05	69,538
3.02	1,317	3.54	35,562	4.06	70,275
3.03	1,976	3.55	36,221	4.07	71,011
3.04	2,634	3.56	36,879	4.08	71,747
3.05	3,293	3.57	37,538	4.09	72,484
3.06	3,951	3.58	38,196	4.10	73,220
3.07	4,610	3.59	38,855	4.11	73,957
3.08	5,268	3.60	39,514	4.12	74,693
3.09	5,927	3.61	40,172	4.13	75,430
3.10	6,586	3.62	40,831	4.14	76,166
3.11	7,244	3.63	41,489	4.15	76,902
3.12	7,903	3.64	42,148	4.16	77,639
3.13	8,561	3.65	42,806	4.17	78,375
3.14	9,220	3.66	43,465	4.18	79,112
3.15	9,878	3.67	44,124	4.19	79,848
3.16	10,537	3.68	44,782	4.20	80,585
3.17	11,196	3.69	45,441	4.21	81,321
3.18	11,854	3.70	46,099	4.22	82,057
3.19	12,513	3.71	46,758	4.23	82,794
3.20	13,171	3.72	47,416	4.24	83,530
3.21	13,830	3.73	48,075	4.25	84,267
3.22	14,488	3.74	48,733	4.26	85,003
3.23	15,147	3.75	49,392	4.27	85,740
3.24	15,805	3.76	50,051	4.28	86,476
3.25	16,464	3.77	50,709	4.29	87,212
3.26	17,123	3.78	51,368	4.30	87,949
3.27	17,781	3.79	52,026	4.31	88,685
3.28	18,440	3.80	52,685	4.32	89,422
3.29	19,098	3.81	53,343	4.33	90,158
3.30	19,757	3.82	54,002	4.34	90,895
3.31	20,415	3.83	54,660	4.35	91,631
3.32	21,074	3.84	55,319	4.36	92,367
3.33	21,732	3.85	55,978	4.37	93,104
3.34	22,391	3.86	56,636	4.38	93,840
3.35	23,050	3.87	57,295	4.39	94,577
3.36	23,708	3.88	57,953	4.40	95,313
3.37	24,367	3.89	58,612	4.41	96,050
3.38	25,025	3.90	59,270	4.42	96,786
3.39	25,684	3.91	59,929	4.43	97,522
3.40	26,342	3.92	60,588	4.44	98,259
3.41	27,001	3.93	61,246	4.45	98,995
3.42	27,660	3.94	61,905	4.46	99,732
3.43	28,318	3.95	62,563	4.47	100,468
3.44	28,977	3.96	63,222	4.48	101,205
3.45	29,635	3.97	63,880	4.49	101,941
3.46	30,294	3.98	64,539	4.50	102,678
3.47	30,952	3.99	65,197	4.51	103,414
3.48	31,611	4.00	65,856	4.52	104,150
3.49	32,269	4.01	66,592	4.53	104,887
3.50	32,928	4.02	67,329	4.54	105,623
3.51	33,587	4.03	68,065	4.55	106,360

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Stage-Area-Storage for Pond 13P: Pond 2 (continued)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
4.56	107,096	5.08	145,992	5.60	188,194
4.57	107,833	5.09	146,803	5.61	189,006
4.58	108,569	5.10	147,615	5.62	189,818
4.59	109,305	5.11	148,426	5.63	190,629
4.60	110,042	5.12	149,238	5.64	191,441
4.61	110,778	5.13	150,050	5.65	192,252
4.62	111,515	5.14	150,861	5.66	193,064
4.63	112,251	5.15	151,673	5.67	193,876
4.64	112,988	5.16	152,484	5.68	194,687
4.65	113,724	5.17	153,296	5.69	195,499
4.66	114,460	5.18	154,108	5.70	196,310
4.67	115,197	5.19	154,919	5.71	197,122
4.68	115,933	5.20	155,731	5.72	197,933
4.69	116,670	5.21	156,542	5.73	198,745
4.70	117,406	5.22	157,354	5.74	199,557
4.71	118,143	5.23	158,166	5.75	200,368
4.72	118,879	5.24	158,977	5.76	201,180
4.73	119,615	5.25	159,789	5.77	201,991
4.74	120,352	5.26	160,600	5.78	202,803
4.75	121,088	5.27	161,412	5.79	203,615
4.76	121,825	5.28	162,224	5.80	204,426
4.77	122,561	5.29	163,035	5.81	205,238
4.78	123,298	5.30	163,847	5.82	206,049
4.79	124,034	5.31	164,658	5.83	206,861
4.80	124,770	5.32	165,470	5.84	207,673
4.81	125,507	5.33	166,281	5.85	208,484
4.82	126,243	5.34	167,093	5.86	209,296
4.83	126,980	5.35	167,905	5.87	210,107
4.84	127,716	5.36	168,716	5.88	210,919
4.85	128,453	5.37	169,528	5.89	211,731
4.86	129,189	5.38	170,339	5.90	212,542
4.87	129,925	5.39	171,151	5.91	213,354
4.88	130,662	5.40	171,963	5.92	214,165
4.89	131,398	5.41	172,774	5.93	214,977
4.90	132,135	5.42	173,586	5.94	215,788
4.91	132,871	5.43	174,397	5.95	216,600
4.92	133,608	5.44	175,209	5.96	217,412
4.93	134,344	5.45	176,021	5.97	218,223
4.94	135,080	5.46	176,832	5.98	219,035
4.95	135,817	5.47	177,644	5.99	219,846
4.96	136,553	5.48	178,455	6.00	220,658
4.97	137,290	5.49	179,267	6.01	221,527
4.98	138,026	5.50	180,079	6.02	222,395
4.99	138,763	5.51	180,890	6.03	223,264
5.00	139,499	5.52	181,702	6.04	224,132
5.01	140,311	5.53	182,513	6.05	225,001
5.02	141,122	5.54	183,325	6.06	225,869
5.03	141,934	5.55	184,136	6.07	226,738
5.04	142,745	5.56	184,948	6.08	227,606
5.05	143,557	5.57	185,760	6.09	228,475
5.06	144,369	5.58	186,571	6.10	229,343
5.07	145,180	5.59	187,383	6.11	230,212

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Stage-Area-Storage for Pond 13P: Pond 2 (continued)

Elevation (feet)	Storage (cubic-feet)
6.12	231,080
6.13	231,949
6.14	232,818
6.15	233,686
6.16	234,555
6.17	235,423
6.18	236,292
6.19	237,160
6.20	238,029
6.21	238,897
6.22	239,766
6.23	240,634
6.24	241,503
6.25	242,372
6.26	243,240
6.27	244,109
6.28	244,977
6.29	245,846
6.30	246,714
6.31	247,583
6.32	248,451
6.33	249,320
6.34	250,188
6.35	251,057
6.36	251,925
6.37	252,794
6.38	253,663
6.39	254,531
6.40	255,400
6.41	256,268
6.42	257,137
6.43	258,005
6.44	258,874
6.45	259,742
6.46	260,611
6.47	261,479
6.48	262,348
6.49	263,216
6.50	264,085

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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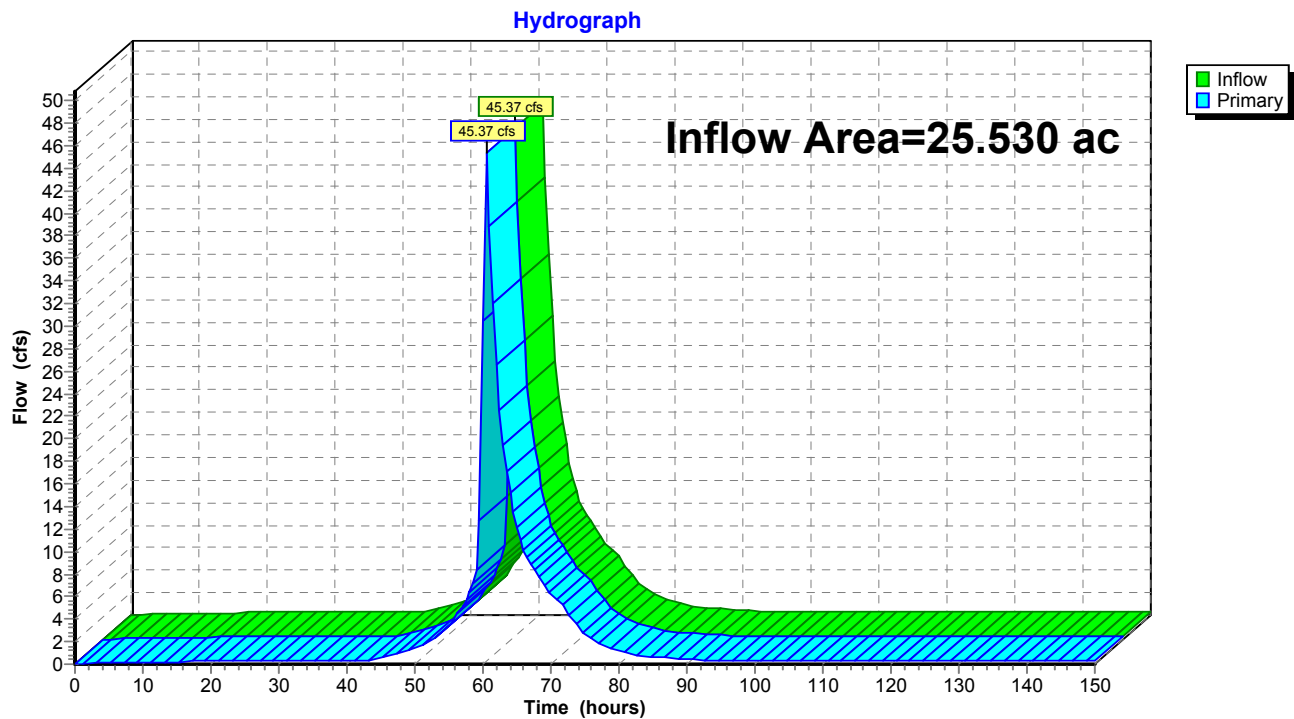
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Summary for Link 6L: Plant Cooling Water Discharge Canal

Inflow Area = 25.530 ac, 84.29% Impervious, Inflow Depth > 11.32" for 25YR-72HR event
Inflow = 45.37 cfs @ 60.60 hrs, Volume= 24.073 af
Primary = 45.37 cfs @ 60.60 hrs, Volume= 24.073 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs

Link 6L: Plant Cooling Water Discharge Canal



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Link 6L: Plant Cooling Water Discharge Canal

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	26.00	0.26	0.00	0.26
0.50	0.00	0.00	0.00	26.50	0.27	0.00	0.27
1.00	0.00	0.00	0.00	27.00	0.27	0.00	0.27
1.50	0.08	0.00	0.08	27.50	0.27	0.00	0.27
2.00	0.20	0.00	0.20	28.00	0.27	0.00	0.27
2.50	0.20	0.00	0.20	28.50	0.27	0.00	0.27
3.00	0.20	0.00	0.20	29.00	0.28	0.00	0.28
3.50	0.20	0.00	0.20	29.50	0.28	0.00	0.28
4.00	0.20	0.00	0.20	30.00	0.28	0.00	0.28
4.50	0.20	0.00	0.20	30.50	0.28	0.00	0.28
5.00	0.20	0.00	0.20	31.00	0.28	0.00	0.28
5.50	0.21	0.00	0.21	31.50	0.29	0.00	0.29
6.00	0.21	0.00	0.21	32.00	0.29	0.00	0.29
6.50	0.21	0.00	0.21	32.50	0.29	0.00	0.29
7.00	0.21	0.00	0.21	33.00	0.29	0.00	0.29
7.50	0.21	0.00	0.21	33.50	0.29	0.00	0.29
8.00	0.21	0.00	0.21	34.00	0.30	0.00	0.30
8.50	0.21	0.00	0.21	34.50	0.30	0.00	0.30
9.00	0.21	0.00	0.21	35.00	0.30	0.00	0.30
9.50	0.21	0.00	0.21	35.50	0.30	0.00	0.30
10.00	0.22	0.00	0.22	36.00	0.30	0.00	0.30
10.50	0.22	0.00	0.22	36.50	0.30	0.00	0.30
11.00	0.22	0.00	0.22	37.00	0.31	0.00	0.31
11.50	0.22	0.00	0.22	37.50	0.31	0.00	0.31
12.00	0.22	0.00	0.22	38.00	0.31	0.00	0.31
12.50	0.22	0.00	0.22	38.50	0.31	0.00	0.31
13.00	0.22	0.00	0.22	39.00	0.31	0.00	0.31
13.50	0.23	0.00	0.23	39.50	0.32	0.00	0.32
14.00	0.23	0.00	0.23	40.00	0.32	0.00	0.32
14.50	0.23	0.00	0.23	40.50	0.32	0.00	0.32
15.00	0.23	0.00	0.23	41.00	0.32	0.00	0.32
15.50	0.23	0.00	0.23	41.50	0.32	0.00	0.32
16.00	0.23	0.00	0.23	42.00	0.32	0.00	0.32
16.50	0.23	0.00	0.23	42.50	0.33	0.00	0.33
17.00	0.24	0.00	0.24	43.00	0.33	0.00	0.33
17.50	0.24	0.00	0.24	43.50	0.36	0.00	0.36
18.00	0.24	0.00	0.24	44.00	0.41	0.00	0.41
18.50	0.24	0.00	0.24	44.50	0.47	0.00	0.47
19.00	0.24	0.00	0.24	45.00	0.54	0.00	0.54
19.50	0.24	0.00	0.24	45.50	0.62	0.00	0.62
20.00	0.25	0.00	0.25	46.00	0.69	0.00	0.69
20.50	0.25	0.00	0.25	46.50	0.77	0.00	0.77
21.00	0.25	0.00	0.25	47.00	0.85	0.00	0.85
21.50	0.25	0.00	0.25	47.50	0.93	0.00	0.93
22.00	0.25	0.00	0.25	48.00	1.02	0.00	1.02
22.50	0.25	0.00	0.25	48.50	1.12	0.00	1.12
23.00	0.25	0.00	0.25	49.00	1.21	0.00	1.21
23.50	0.26	0.00	0.26	49.50	1.30	0.00	1.30
24.00	0.26	0.00	0.26	50.00	1.39	0.00	1.39
24.50	0.26	0.00	0.26	50.50	1.50	0.00	1.50
25.00	0.26	0.00	0.26	51.00	1.61	0.00	1.61
25.50	0.26	0.00	0.26	51.50	1.74	0.00	1.74

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Link 6L: Plant Cooling Water Discharge Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
52.00	1.87	0.00	1.87	78.00	1.59	0.00	1.59
52.50	2.04	0.00	2.04	78.50	1.47	0.00	1.47
53.00	2.25	0.00	2.25	79.00	1.36	0.00	1.36
53.50	2.49	0.00	2.49	79.50	1.27	0.00	1.27
54.00	2.76	0.00	2.76	80.00	1.18	0.00	1.18
54.50	3.07	0.00	3.07	80.50	1.10	0.00	1.10
55.00	3.41	0.00	3.41	81.00	1.03	0.00	1.03
55.50	3.79	0.00	3.79	81.50	0.97	0.00	0.97
56.00	4.20	0.00	4.20	82.00	0.91	0.00	0.91
56.50	4.67	0.00	4.67	82.50	0.85	0.00	0.85
57.00	5.20	0.00	5.20	83.00	0.81	0.00	0.81
57.50	5.77	0.00	5.77	83.50	0.76	0.00	0.76
58.00	6.39	0.00	6.39	84.00	0.72	0.00	0.72
58.50	7.13	0.00	7.13	84.50	0.68	0.00	0.68
59.00	8.35	0.00	8.35	85.00	0.65	0.00	0.65
59.50	12.75	0.00	12.75	85.50	0.62	0.00	0.62
60.00	30.47	0.00	30.47	86.00	0.59	0.00	0.59
60.50	44.94	0.00	44.94	86.50	0.56	0.00	0.56
61.00	38.88	0.00	38.88	87.00	0.54	0.00	0.54
61.50	32.05	0.00	32.05	87.50	0.52	0.00	0.52
62.00	26.64	0.00	26.64	88.00	0.49	0.00	0.49
62.50	22.58	0.00	22.58	88.50	0.47	0.00	0.47
63.00	19.48	0.00	19.48	89.00	0.46	0.00	0.46
63.50	17.12	0.00	17.12	89.50	0.44	0.00	0.44
64.00	15.22	0.00	15.22	90.00	0.43	0.00	0.43
64.50	13.56	0.00	13.56	90.50	0.41	0.00	0.41
65.00	12.16	0.00	12.16	91.00	0.40	0.00	0.40
65.50	11.07	0.00	11.07	91.50	0.39	0.00	0.39
66.00	10.17	0.00	10.17	92.00	0.38	0.00	0.38
66.50	9.46	0.00	9.46	92.50	0.37	0.00	0.37
67.00	8.88	0.00	8.88	93.00	0.36	0.00	0.36
67.50	8.42	0.00	8.42	93.50	0.35	0.00	0.35
68.00	7.97	0.00	7.97	94.00	0.34	0.00	0.34
68.50	7.47	0.00	7.47	94.50	0.34	0.00	0.34
69.00	6.97	0.00	6.97	95.00	0.33	0.00	0.33
69.50	6.55	0.00	6.55	95.50	0.33	0.00	0.33
70.00	6.19	0.00	6.19	96.00	0.33	0.00	0.33
70.50	5.87	0.00	5.87	96.50	0.33	0.00	0.33
71.00	5.60	0.00	5.60	97.00	0.33	0.00	0.33
71.50	5.35	0.00	5.35	97.50	0.33	0.00	0.33
72.00	5.08	0.00	5.08	98.00	0.33	0.00	0.33
72.50	4.66	0.00	4.66	98.50	0.33	0.00	0.33
73.00	4.15	0.00	4.15	99.00	0.32	0.00	0.32
73.50	3.70	0.00	3.70	99.50	0.32	0.00	0.32
74.00	3.32	0.00	3.32	100.00	0.32	0.00	0.32
74.50	2.99	0.00	2.99	100.50	0.32	0.00	0.32
75.00	2.70	0.00	2.70	101.00	0.32	0.00	0.32
75.50	2.45	0.00	2.45	101.50	0.32	0.00	0.32
76.00	2.24	0.00	2.24	102.00	0.32	0.00	0.32
76.50	2.04	0.00	2.04	102.50	0.32	0.00	0.32
77.00	1.87	0.00	1.87	103.00	0.32	0.00	0.32
77.50	1.72	0.00	1.72	103.50	0.32	0.00	0.32

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Link 6L: Plant Cooling Water Discharge Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
104.00	0.32	0.00	0.32	130.00	0.31	0.00	0.31
104.50	0.32	0.00	0.32	130.50	0.31	0.00	0.31
105.00	0.32	0.00	0.32	131.00	0.31	0.00	0.31
105.50	0.32	0.00	0.32	131.50	0.31	0.00	0.31
106.00	0.32	0.00	0.32	132.00	0.31	0.00	0.31
106.50	0.32	0.00	0.32	132.50	0.31	0.00	0.31
107.00	0.32	0.00	0.32	133.00	0.31	0.00	0.31
107.50	0.32	0.00	0.32	133.50	0.31	0.00	0.31
108.00	0.32	0.00	0.32	134.00	0.31	0.00	0.31
108.50	0.32	0.00	0.32	134.50	0.31	0.00	0.31
109.00	0.32	0.00	0.32	135.00	0.31	0.00	0.31
109.50	0.32	0.00	0.32	135.50	0.31	0.00	0.31
110.00	0.32	0.00	0.32	136.00	0.31	0.00	0.31
110.50	0.32	0.00	0.32	136.50	0.31	0.00	0.31
111.00	0.32	0.00	0.32	137.00	0.30	0.00	0.30
111.50	0.32	0.00	0.32	137.50	0.30	0.00	0.30
112.00	0.32	0.00	0.32	138.00	0.30	0.00	0.30
112.50	0.32	0.00	0.32	138.50	0.30	0.00	0.30
113.00	0.32	0.00	0.32	139.00	0.30	0.00	0.30
113.50	0.32	0.00	0.32	139.50	0.30	0.00	0.30
114.00	0.32	0.00	0.32	140.00	0.30	0.00	0.30
114.50	0.32	0.00	0.32	140.50	0.30	0.00	0.30
115.00	0.32	0.00	0.32	141.00	0.30	0.00	0.30
115.50	0.32	0.00	0.32	141.50	0.30	0.00	0.30
116.00	0.32	0.00	0.32	142.00	0.30	0.00	0.30
116.50	0.32	0.00	0.32	142.50	0.30	0.00	0.30
117.00	0.32	0.00	0.32	143.00	0.30	0.00	0.30
117.50	0.32	0.00	0.32	143.50	0.30	0.00	0.30
118.00	0.32	0.00	0.32	144.00	0.30	0.00	0.30
118.50	0.31	0.00	0.31	144.50	0.30	0.00	0.30
119.00	0.31	0.00	0.31	145.00	0.30	0.00	0.30
119.50	0.31	0.00	0.31	145.50	0.30	0.00	0.30
120.00	0.31	0.00	0.31	146.00	0.30	0.00	0.30
120.50	0.31	0.00	0.31	146.50	0.30	0.00	0.30
121.00	0.31	0.00	0.31	147.00	0.30	0.00	0.30
121.50	0.31	0.00	0.31	147.50	0.30	0.00	0.30
122.00	0.31	0.00	0.31	148.00	0.30	0.00	0.30
122.50	0.31	0.00	0.31	148.50	0.30	0.00	0.30
123.00	0.31	0.00	0.31	149.00	0.30	0.00	0.30
123.50	0.31	0.00	0.31	149.50	0.30	0.00	0.30
124.00	0.31	0.00	0.31	150.00	0.30	0.00	0.30
124.50	0.31	0.00	0.31				
125.00	0.31	0.00	0.31				
125.50	0.31	0.00	0.31				
126.00	0.31	0.00	0.31				
126.50	0.31	0.00	0.31				
127.00	0.31	0.00	0.31				
127.50	0.31	0.00	0.31				
128.00	0.31	0.00	0.31				
128.50	0.31	0.00	0.31				
129.00	0.31	0.00	0.31				
129.50	0.31	0.00	0.31				

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Prepared by Black & Veatch

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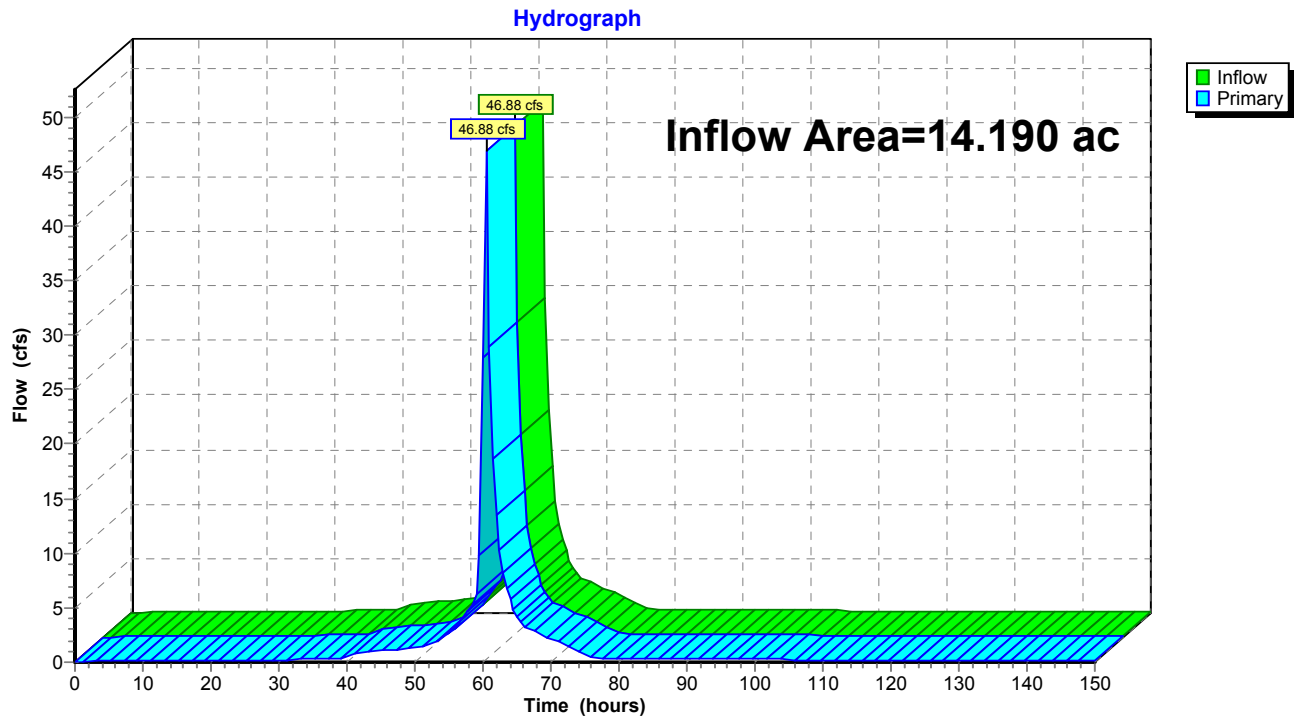
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Summary for Link 14L: Dania Cutoff Canal

Inflow Area = 14.190 ac, 84.71% Impervious, Inflow Depth > 12.31" for 25YR-72HR event
Inflow = 46.88 cfs @ 60.51 hrs, Volume= 14.556 af
Primary = 46.88 cfs @ 60.51 hrs, Volume= 14.556 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs

Link 14L: Dania Cutoff Canal



Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Prepared by Black & Veatch

Printed 6/5/2017

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Hydrograph for Link 14L: Dania Cutoff Canal

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	26.00	0.21	0.00	0.21
0.50	0.00	0.00	0.00	26.50	0.21	0.00	0.21
1.00	0.01	0.00	0.01	27.00	0.21	0.00	0.21
1.50	0.05	0.00	0.05	27.50	0.22	0.00	0.22
2.00	0.10	0.00	0.10	28.00	0.22	0.00	0.22
2.50	0.10	0.00	0.10	28.50	0.22	0.00	0.22
3.00	0.10	0.00	0.10	29.00	0.23	0.00	0.23
3.50	0.10	0.00	0.10	29.50	0.23	0.00	0.23
4.00	0.10	0.00	0.10	30.00	0.23	0.00	0.23
4.50	0.10	0.00	0.10	30.50	0.23	0.00	0.23
5.00	0.10	0.00	0.10	31.00	0.24	0.00	0.24
5.50	0.10	0.00	0.10	31.50	0.24	0.00	0.24
6.00	0.11	0.00	0.11	32.00	0.24	0.00	0.24
6.50	0.11	0.00	0.11	32.50	0.24	0.00	0.24
7.00	0.11	0.00	0.11	33.00	0.25	0.00	0.25
7.50	0.11	0.00	0.11	33.50	0.25	0.00	0.25
8.00	0.11	0.00	0.11	34.00	0.25	0.00	0.25
8.50	0.12	0.00	0.12	34.50	0.25	0.00	0.25
9.00	0.12	0.00	0.12	35.00	0.26	0.00	0.26
9.50	0.13	0.00	0.13	35.50	0.26	0.00	0.26
10.00	0.13	0.00	0.13	36.00	0.26	0.00	0.26
10.50	0.13	0.00	0.13	36.50	0.26	0.00	0.26
11.00	0.14	0.00	0.14	37.00	0.26	0.00	0.26
11.50	0.14	0.00	0.14	37.50	0.27	0.00	0.27
12.00	0.14	0.00	0.14	38.00	0.27	0.00	0.27
12.50	0.15	0.00	0.15	38.50	0.29	0.00	0.29
13.00	0.15	0.00	0.15	39.00	0.35	0.00	0.35
13.50	0.15	0.00	0.15	39.50	0.43	0.00	0.43
14.00	0.15	0.00	0.15	40.00	0.52	0.00	0.52
14.50	0.16	0.00	0.16	40.50	0.61	0.00	0.61
15.00	0.16	0.00	0.16	41.00	0.69	0.00	0.69
15.50	0.16	0.00	0.16	41.50	0.77	0.00	0.77
16.00	0.16	0.00	0.16	42.00	0.84	0.00	0.84
16.50	0.17	0.00	0.17	42.50	0.90	0.00	0.90
17.00	0.17	0.00	0.17	43.00	0.95	0.00	0.95
17.50	0.17	0.00	0.17	43.50	1.00	0.00	1.00
18.00	0.17	0.00	0.17	44.00	1.04	0.00	1.04
18.50	0.18	0.00	0.18	44.50	1.07	0.00	1.07
19.00	0.18	0.00	0.18	45.00	1.10	0.00	1.10
19.50	0.18	0.00	0.18	45.50	1.12	0.00	1.12
20.00	0.18	0.00	0.18	46.00	1.14	0.00	1.14
20.50	0.19	0.00	0.19	46.50	1.15	0.00	1.15
21.00	0.19	0.00	0.19	47.00	1.17	0.00	1.17
21.50	0.19	0.00	0.19	47.50	1.18	0.00	1.18
22.00	0.19	0.00	0.19	48.00	1.20	0.00	1.20
22.50	0.19	0.00	0.19	48.50	1.23	0.00	1.23
23.00	0.20	0.00	0.20	49.00	1.27	0.00	1.27
23.50	0.20	0.00	0.20	49.50	1.29	0.00	1.29
24.00	0.20	0.00	0.20	50.00	1.32	0.00	1.32
24.50	0.20	0.00	0.20	50.50	1.36	0.00	1.36
25.00	0.20	0.00	0.20	51.00	1.42	0.00	1.42
25.50	0.21	0.00	0.21	51.50	1.49	0.00	1.49

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

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Hydrograph for Link 14L: Dania Cutoff Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
52.00	1.56	0.00	1.56	78.00	0.33	0.00	0.33
52.50	1.67	0.00	1.67	78.50	0.31	0.00	0.31
53.00	1.82	0.00	1.82	79.00	0.29	0.00	0.29
53.50	2.01	0.00	2.01	79.50	0.27	0.00	0.27
54.00	2.21	0.00	2.21	80.00	0.27	0.00	0.27
54.50	2.44	0.00	2.44	80.50	0.27	0.00	0.27
55.00	2.70	0.00	2.70	81.00	0.27	0.00	0.27
55.50	2.98	0.00	2.98	81.50	0.27	0.00	0.27
56.00	3.28	0.00	3.28	82.00	0.27	0.00	0.27
56.50	3.61	0.00	3.61	82.50	0.27	0.00	0.27
57.00	3.98	0.00	3.98	83.00	0.26	0.00	0.26
57.50	4.39	0.00	4.39	83.50	0.26	0.00	0.26
58.00	4.81	0.00	4.81	84.00	0.26	0.00	0.26
58.50	5.31	0.00	5.31	84.50	0.26	0.00	0.26
59.00	6.22	0.00	6.22	85.00	0.26	0.00	0.26
59.50	9.76	0.00	9.76	85.50	0.26	0.00	0.26
60.00	28.00	0.00	28.00	86.00	0.26	0.00	0.26
60.50	46.88	0.00	46.88	86.50	0.26	0.00	0.26
61.00	28.88	0.00	28.88	87.00	0.26	0.00	0.26
61.50	18.65	0.00	18.65	87.50	0.26	0.00	0.26
62.00	13.43	0.00	13.43	88.00	0.26	0.00	0.26
62.50	10.32	0.00	10.32	88.50	0.26	0.00	0.26
63.00	8.13	0.00	8.13	89.00	0.26	0.00	0.26
63.50	6.73	0.00	6.73	89.50	0.26	0.00	0.26
64.00	5.73	0.00	5.73	90.00	0.26	0.00	0.26
64.50	4.88	0.00	4.88	90.50	0.26	0.00	0.26
65.00	4.18	0.00	4.18	91.00	0.26	0.00	0.26
65.50	3.69	0.00	3.69	91.50	0.26	0.00	0.26
66.00	3.36	0.00	3.36	92.00	0.25	0.00	0.25
66.50	3.14	0.00	3.14	92.50	0.25	0.00	0.25
67.00	2.98	0.00	2.98	93.00	0.25	0.00	0.25
67.50	2.89	0.00	2.89	93.50	0.25	0.00	0.25
68.00	2.79	0.00	2.79	94.00	0.25	0.00	0.25
68.50	2.61	0.00	2.61	94.50	0.25	0.00	0.25
69.00	2.40	0.00	2.40	95.00	0.25	0.00	0.25
69.50	2.23	0.00	2.23	95.50	0.25	0.00	0.25
70.00	2.10	0.00	2.10	96.00	0.25	0.00	0.25
70.50	2.01	0.00	2.01	96.50	0.25	0.00	0.25
71.00	1.93	0.00	1.93	97.00	0.25	0.00	0.25
71.50	1.88	0.00	1.88	97.50	0.25	0.00	0.25
72.00	1.82	0.00	1.82	98.00	0.25	0.00	0.25
72.50	1.63	0.00	1.63	98.50	0.25	0.00	0.25
73.00	1.34	0.00	1.34	99.00	0.25	0.00	0.25
73.50	1.09	0.00	1.09	99.50	0.25	0.00	0.25
74.00	0.90	0.00	0.90	100.00	0.25	0.00	0.25
74.50	0.76	0.00	0.76	100.50	0.25	0.00	0.25
75.00	0.65	0.00	0.65	101.00	0.24	0.00	0.24
75.50	0.56	0.00	0.56	101.50	0.24	0.00	0.24
76.00	0.49	0.00	0.49	102.00	0.24	0.00	0.24
76.50	0.44	0.00	0.44	102.50	0.24	0.00	0.24
77.00	0.39	0.00	0.39	103.00	0.24	0.00	0.24
77.50	0.36	0.00	0.36	103.50	0.24	0.00	0.24

Proposed Stormwater Model REV 1

SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Prepared by Black & Veatch

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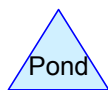
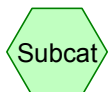
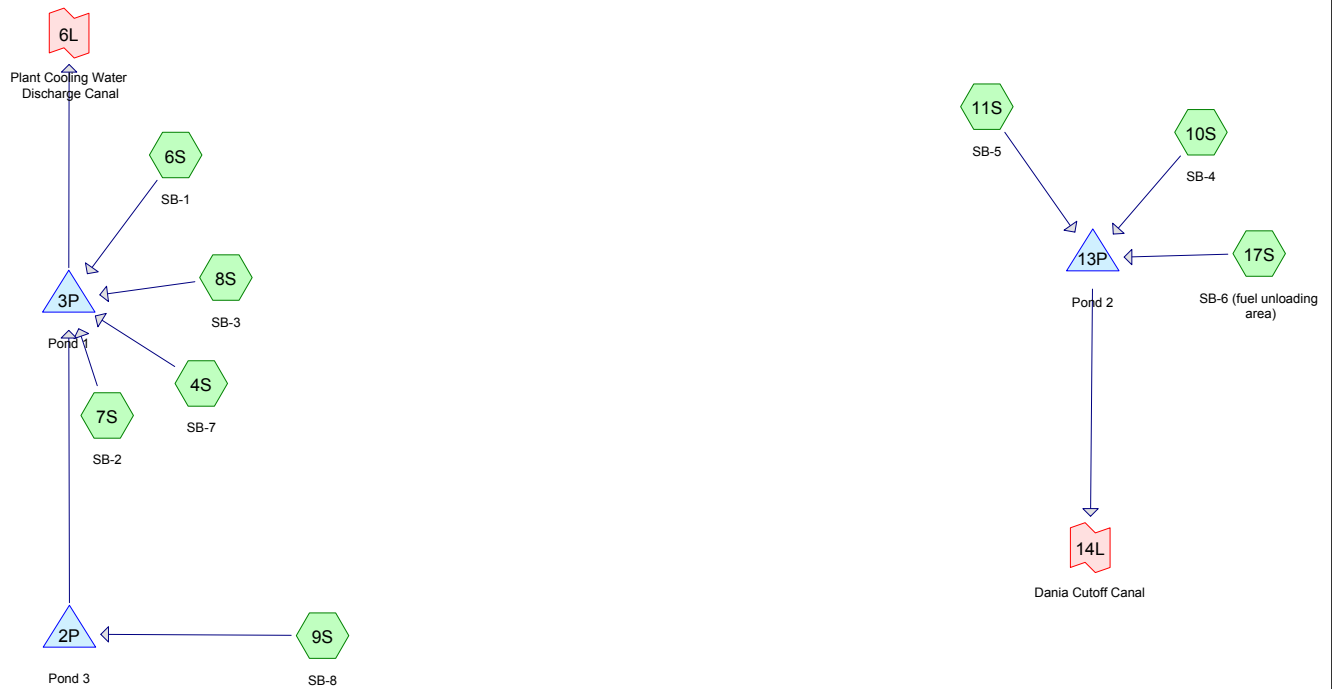
Hydrograph for Link 14L: Dania Cutoff Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
104.00	0.24	0.00	0.24	130.00	0.21	0.00	0.21
104.50	0.24	0.00	0.24	130.50	0.21	0.00	0.21
105.00	0.24	0.00	0.24	131.00	0.21	0.00	0.21
105.50	0.24	0.00	0.24	131.50	0.21	0.00	0.21
106.00	0.24	0.00	0.24	132.00	0.21	0.00	0.21
106.50	0.24	0.00	0.24	132.50	0.20	0.00	0.20
107.00	0.24	0.00	0.24	133.00	0.20	0.00	0.20
107.50	0.24	0.00	0.24	133.50	0.20	0.00	0.20
108.00	0.24	0.00	0.24	134.00	0.20	0.00	0.20
108.50	0.24	0.00	0.24	134.50	0.20	0.00	0.20
109.00	0.23	0.00	0.23	135.00	0.20	0.00	0.20
109.50	0.23	0.00	0.23	135.50	0.20	0.00	0.20
110.00	0.23	0.00	0.23	136.00	0.20	0.00	0.20
110.50	0.23	0.00	0.23	136.50	0.20	0.00	0.20
111.00	0.23	0.00	0.23	137.00	0.20	0.00	0.20
111.50	0.23	0.00	0.23	137.50	0.20	0.00	0.20
112.00	0.23	0.00	0.23	138.00	0.20	0.00	0.20
112.50	0.23	0.00	0.23	138.50	0.20	0.00	0.20
113.00	0.23	0.00	0.23	139.00	0.20	0.00	0.20
113.50	0.23	0.00	0.23	139.50	0.20	0.00	0.20
114.00	0.23	0.00	0.23	140.00	0.19	0.00	0.19
114.50	0.23	0.00	0.23	140.50	0.19	0.00	0.19
115.00	0.23	0.00	0.23	141.00	0.19	0.00	0.19
115.50	0.23	0.00	0.23	141.50	0.19	0.00	0.19
116.00	0.23	0.00	0.23	142.00	0.19	0.00	0.19
116.50	0.23	0.00	0.23	142.50	0.19	0.00	0.19
117.00	0.22	0.00	0.22	143.00	0.19	0.00	0.19
117.50	0.22	0.00	0.22	143.50	0.19	0.00	0.19
118.00	0.22	0.00	0.22	144.00	0.19	0.00	0.19
118.50	0.22	0.00	0.22	144.50	0.19	0.00	0.19
119.00	0.22	0.00	0.22	145.00	0.19	0.00	0.19
119.50	0.22	0.00	0.22	145.50	0.19	0.00	0.19
120.00	0.22	0.00	0.22	146.00	0.19	0.00	0.19
120.50	0.22	0.00	0.22	146.50	0.19	0.00	0.19
121.00	0.22	0.00	0.22	147.00	0.19	0.00	0.19
121.50	0.22	0.00	0.22	147.50	0.18	0.00	0.18
122.00	0.22	0.00	0.22	148.00	0.18	0.00	0.18
122.50	0.22	0.00	0.22	148.50	0.18	0.00	0.18
123.00	0.22	0.00	0.22	149.00	0.18	0.00	0.18
123.50	0.22	0.00	0.22	149.50	0.18	0.00	0.18
124.00	0.22	0.00	0.22	150.00	0.18	0.00	0.18
124.50	0.21	0.00	0.21				
125.00	0.21	0.00	0.21				
125.50	0.21	0.00	0.21				
126.00	0.21	0.00	0.21				
126.50	0.21	0.00	0.21				
127.00	0.21	0.00	0.21				
127.50	0.21	0.00	0.21				
128.00	0.21	0.00	0.21				
128.50	0.21	0.00	0.21				
129.00	0.21	0.00	0.21				
129.50	0.21	0.00	0.21				

Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1102
Title: Main Plant Area Post-
Development Storm Water
Analysis

Prepared By: Orinta Jankauskaite
Date 6 June 2017
Verified By: J C Barranco Jr

Attachment 7
HydroCAD 100 year- 72 hour Storm



Proposed Stormwater Model REV 1

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Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
6.180	74	>75% Grass cover, Good, HSG C (4S, 6S, 7S, 8S, 10S, 11S)
21.310	98	Gravel surface, HSG C (4S, 6S, 7S, 9S, 10S, 11S, 17S)
0.880	98	Paved parking, HSG C (11S)
0.910	98	Paved road, HSG C (4S, 9S, 17S)
2.280	98	Paved roadway, HSG C (7S)
1.350	98	Roofs, HSG C (4S, 10S, 11S)
6.810	98	Water Surface, HSG C (6S, 9S, 11S)
39.720	94	TOTAL AREA

Proposed Stormwater Model REV 1

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Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
39.720	HSG C	4S, 6S, 7S, 8S, 9S, 10S, 11S, 17S
0.000	HSG D	
0.000	Other	
39.720		TOTAL AREA

Proposed Stormwater Model REV 1

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Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	6.180	0.000	0.000	6.180	>75% Grass cover, Good	4S, 6S, 7S, 8S, 10S, 11S
0.000	0.000	21.310	0.000	0.000	21.310	Gravel surface	4S, 6S, 7S, 9S, 10S, 11S, 17S
0.000	0.000	0.880	0.000	0.000	0.880	Paved parking	11S
0.000	0.000	0.910	0.000	0.000	0.910	Paved road	4S, 9S, 17S
0.000	0.000	2.280	0.000	0.000	2.280	Paved roadway	7S
0.000	0.000	1.350	0.000	0.000	1.350	Roofs	4S, 10S, 11S
0.000	0.000	6.810	0.000	0.000	6.810	Water Surface	6S, 9S, 11S
0.000	0.000	39.720	0.000	0.000	39.720	TOTAL AREA	

Proposed Stormwater Model REV 1

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Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	4S	0.00	0.00	1,200.0	0.0040	0.013	18.0	0.0	0.0
2	7S	0.00	0.00	1,100.0	0.0040	0.010	18.0	0.0	0.0
3	10S	0.00	0.00	100.0	0.0025	0.013	12.0	0.0	0.0
4	2P	4.50	3.75	100.0	0.0075	0.013	12.0	0.0	0.0

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Time span=0.00-150.00 hrs, dt=0.50 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment4S: SB-7

Runoff Area=3.090 ac 38.19% Impervious Runoff Depth=16.16"
Flow Length=1,500' Tc=10.3 min CN=83 Runoff=24.32 cfs 4.161 af

Subcatchment6S: SB-1

Runoff Area=9.050 ac 93.37% Impervious Runoff Depth=17.92"
Flow Length=531' Slope=0.0025 '/' Tc=9.8 min CN=96 Runoff=72.38 cfs 13.515 af

Subcatchment7S: SB-2

Runoff Area=8.550 ac 94.74% Impervious Runoff Depth=18.05"
Flow Length=1,360' Tc=7.0 min CN=97 Runoff=64.72 cfs 12.858 af

Subcatchment8S: SB-3

Runoff Area=1.050 ac 0.00% Impervious Runoff Depth=14.77"
Flow Length=252' Slope=0.0025 '/' Tc=35.3 min CN=74 Runoff=5.45 cfs 1.292 af

Subcatchment9S: SB-8

Runoff Area=3.790 ac 100.00% Impervious Runoff Depth=18.17"
Flow Length=610' Slope=0.0025 '/' Tc=11.4 min CN=98 Runoff=30.89 cfs 5.738 af

Subcatchment10S: SB-4

Runoff Area=9.010 ac 77.80% Impervious Runoff Depth=17.53"
Flow Length=1,410' Tc=27.4 min CN=93 Runoff=59.59 cfs 13.165 af

Subcatchment11S: SB-5

Runoff Area=4.130 ac 95.88% Impervious Runoff Depth=18.05"
Flow Length=552' Tc=5.6 min CN=97 Runoff=30.07 cfs 6.211 af

Subcatchment17S: SB-6 (fuel unloading

Runoff Area=1.050 ac 100.00% Impervious Runoff Depth=18.17"
Flow Length=550' Slope=0.0025 '/' Tc=10.2 min CN=98 Runoff=8.45 cfs 1.590 af

Pond 2P: Pond 3

Peak Elev=8.58' Storage=121,331 cf Inflow=30.89 cfs 5.738 af
12.0" Round Culvert n=0.013 L=100.0' S=0.0075 '/' Outflow=3.68 cfs 5.643 af

Pond 3P: Pond 1

Peak Elev=7.96' Storage=619,749 cf Inflow=169.25 cfs 37.469 af
Outflow=68.09 cfs 34.432 af

Pond 13P: Pond 2

Peak Elev=6.20' Storage=238,329 cf Inflow=96.98 cfs 20.965 af
Outflow=68.56 cfs 20.337 af

Link 6L: Plant Cooling Water Discharge Canal

Inflow=68.09 cfs 34.432 af
Primary=68.09 cfs 34.432 af

Link 14L: Dania Cutoff Canal

Inflow=68.56 cfs 20.337 af
Primary=68.56 cfs 20.337 af

Total Runoff Area = 39.720 ac Runoff Volume = 58.529 af Average Runoff Depth = 17.68"
15.56% Pervious = 6.180 ac 84.44% Impervious = 33.540 ac

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Summary for Subcatchment 4S: SB-7

Runoff = 24.32 cfs @ 59.99 hrs, Volume= 4.161 af, Depth=16.16"

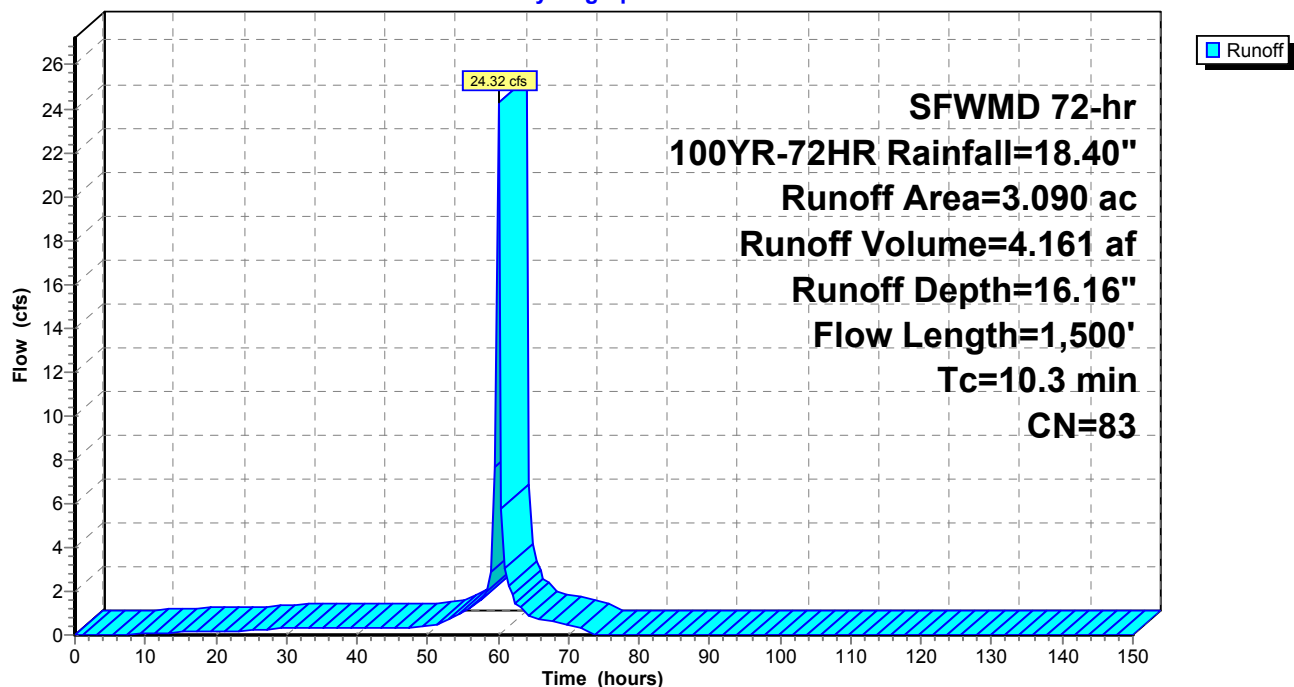
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Area (ac)	CN	Description
* 0.260	98	Paved road, HSG C
* 0.400	98	Gravel surface, HSG C
0.520	98	Roofs, HSG C
1.910	74	>75% Grass cover, Good, HSG C
3.090	83	Weighted Average
1.910		61.81% Pervious Area
1.180		38.19% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	300	0.0025	1.00		Sheet Flow, Overland Flow Smooth surfaces n= 0.011 P2= 5.70"
5.3	1,200	0.0040	3.76	6.64	Pipe Channel, Catch Basin System 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.013 Corrugated PE, smooth interior
10.3	1,500	Total			

Subcatchment 4S: SB-7

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 4S: SB-7

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	2.19	0.83	0.25
0.50	0.04	0.00	0.00	26.50	2.25	0.87	0.26
1.00	0.08	0.00	0.00	27.00	2.31	0.92	0.27
1.50	0.12	0.00	0.00	27.50	2.37	0.96	0.28
2.00	0.17	0.00	0.00	28.00	2.43	1.00	0.28
2.50	0.21	0.00	0.00	28.50	2.49	1.05	0.29
3.00	0.25	0.00	0.00	29.00	2.56	1.10	0.30
3.50	0.29	0.00	0.00	29.50	2.62	1.15	0.31
4.00	0.33	0.00	0.00	30.00	2.68	1.20	0.35
4.50	0.37	0.00	0.00	30.50	2.75	1.25	0.30
5.00	0.41	0.00	0.00	31.00	2.81	1.30	0.29
5.50	0.46	0.00	0.01	31.50	2.87	1.35	0.30
6.00	0.50	0.00	0.02	32.00	2.93	1.39	0.30
6.50	0.54	0.01	0.03	32.50	2.99	1.44	0.30
7.00	0.58	0.01	0.04	33.00	3.05	1.49	0.30
7.50	0.62	0.02	0.04	33.50	3.11	1.54	0.30
8.00	0.66	0.03	0.05	34.00	3.17	1.59	0.30
8.50	0.70	0.04	0.06	34.50	3.23	1.64	0.31
9.00	0.75	0.05	0.07	35.00	3.29	1.68	0.31
9.50	0.79	0.06	0.07	35.50	3.35	1.73	0.31
10.00	0.83	0.07	0.08	36.00	3.41	1.78	0.31
10.50	0.87	0.08	0.08	36.50	3.47	1.83	0.31
11.00	0.91	0.10	0.09	37.00	3.53	1.88	0.31
11.50	0.95	0.11	0.10	37.50	3.59	1.94	0.32
12.00	0.99	0.13	0.10	38.00	3.65	1.99	0.32
12.50	1.03	0.15	0.11	38.50	3.71	2.04	0.32
13.00	1.08	0.16	0.11	39.00	3.77	2.09	0.32
13.50	1.12	0.18	0.11	39.50	3.83	2.14	0.32
14.00	1.16	0.20	0.12	40.00	3.89	2.19	0.32
14.50	1.20	0.22	0.12	40.50	3.95	2.24	0.32
15.00	1.24	0.24	0.13	41.00	4.01	2.29	0.32
15.50	1.28	0.26	0.13	41.50	4.07	2.35	0.32
16.00	1.32	0.28	0.13	42.00	4.13	2.40	0.33
16.50	1.37	0.30	0.14	42.50	4.19	2.45	0.33
17.00	1.41	0.33	0.14	43.00	4.25	2.50	0.33
17.50	1.45	0.35	0.14	43.50	4.31	2.56	0.33
18.00	1.49	0.37	0.15	44.00	4.37	2.61	0.33
18.50	1.53	0.40	0.15	44.50	4.43	2.66	0.33
19.00	1.57	0.42	0.15	45.00	4.49	2.71	0.33
19.50	1.61	0.45	0.15	45.50	4.55	2.77	0.33
20.00	1.66	0.47	0.16	46.00	4.61	2.82	0.33
20.50	1.70	0.50	0.16	46.50	4.67	2.87	0.33
21.00	1.74	0.52	0.16	47.00	4.73	2.93	0.33
21.50	1.78	0.55	0.16	47.50	4.79	2.98	0.33
22.00	1.82	0.58	0.17	48.00	4.85	3.04	0.39
22.50	1.86	0.60	0.17	48.50	4.92	3.11	0.38
23.00	1.90	0.63	0.17	49.00	4.99	3.17	0.38
23.50	1.95	0.66	0.17	49.50	5.06	3.23	0.39
24.00	1.99	0.69	0.18	50.00	5.13	3.29	0.42
24.50	2.03	0.71	0.23	50.50	5.21	3.36	0.45
25.00	2.08	0.75	0.24	51.00	5.29	3.44	0.47
25.50	2.14	0.79	0.24	51.50	5.38	3.52	0.50

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 4S: SB-7 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	5.47	3.60	0.54	78.00	18.40	16.15	0.00
52.50	5.58	3.71	0.65	78.50	18.40	16.15	0.00
53.00	5.71	3.82	0.72	79.00	18.40	16.15	0.00
53.50	5.84	3.94	0.79	79.50	18.40	16.15	0.00
54.00	5.99	4.08	0.86	80.00	18.40	16.15	0.00
54.50	6.15	4.23	0.96	80.50	18.40	16.15	0.00
55.00	6.32	4.39	1.04	81.00	18.40	16.15	0.00
55.50	6.51	4.57	1.12	81.50	18.40	16.15	0.00
56.00	6.72	4.76	1.21	82.00	18.40	16.15	0.00
56.50	6.95	4.98	1.37	82.50	18.40	16.15	0.00
57.00	7.19	5.21	1.48	83.00	18.40	16.15	0.00
57.50	7.46	5.46	1.60	83.50	18.40	16.15	0.00
58.00	7.75	5.74	1.72	84.00	18.40	16.15	0.00
58.50	8.07	6.04	2.02	84.50	18.40	16.15	0.00
59.00	8.50	6.46	2.87	85.00	18.40	16.15	0.00
59.50	9.18	7.11	7.64	85.50	18.40	16.15	0.00
60.00	13.74	11.56	24.30	86.00	18.40	16.15	0.00
60.50	14.73	12.53	5.71	86.50	18.40	16.15	0.00
61.00	15.25	13.04	3.04	87.00	18.40	16.15	0.00
61.50	15.61	13.40	2.22	87.50	18.40	16.15	0.00
62.00	15.94	13.72	1.87	88.00	18.40	16.15	0.00
62.50	16.18	13.96	1.47	88.50	18.40	16.15	0.00
63.00	16.40	14.17	1.34	89.00	18.40	16.15	0.00
63.50	16.60	14.37	1.20	89.50	18.40	16.15	0.00
64.00	16.78	14.55	1.01	90.00	18.40	16.15	0.00
64.50	16.90	14.67	0.75	90.50	18.40	16.15	0.00
65.00	17.02	14.79	0.75	91.00	18.40	16.15	0.00
65.50	17.14	14.91	0.75	91.50	18.40	16.15	0.00
66.00	17.26	15.03	0.76	92.00	18.40	16.15	0.00
66.50	17.38	15.15	0.75	92.50	18.40	16.15	0.00
67.00	17.51	15.27	0.77	93.00	18.40	16.15	0.00
67.50	17.64	15.40	0.78	93.50	18.40	16.15	0.00
68.00	17.75	15.51	0.66	94.00	18.40	16.15	0.00
68.50	17.83	15.59	0.50	94.50	18.40	16.15	0.00
69.00	17.91	15.67	0.50	95.00	18.40	16.15	0.00
69.50	17.99	15.75	0.50	95.50	18.40	16.15	0.00
70.00	18.07	15.83	0.50	96.00	18.40	16.15	0.00
70.50	18.16	15.91	0.50	96.50	18.40	16.15	0.00
71.00	18.24	15.99	0.50	97.00	18.40	16.15	0.00
71.50	18.32	16.07	0.50	97.50	18.40	16.15	0.00
72.00	18.40	16.15	0.41	98.00	18.40	16.15	0.00
72.50	18.40	16.15	0.01	98.50	18.40	16.15	0.00
73.00	18.40	16.15	0.00	99.00	18.40	16.15	0.00
73.50	18.40	16.15	0.00	99.50	18.40	16.15	0.00
74.00	18.40	16.15	0.00	100.00	18.40	16.15	0.00
74.50	18.40	16.15	0.00	100.50	18.40	16.15	0.00
75.00	18.40	16.15	0.00	101.00	18.40	16.15	0.00
75.50	18.40	16.15	0.00	101.50	18.40	16.15	0.00
76.00	18.40	16.15	0.00	102.00	18.40	16.15	0.00
76.50	18.40	16.15	0.00	102.50	18.40	16.15	0.00
77.00	18.40	16.15	0.00	103.00	18.40	16.15	0.00
77.50	18.40	16.15	0.00	103.50	18.40	16.15	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 4S: SB-7 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	18.40	16.15	0.00	130.00	18.40	16.15	0.00
104.50	18.40	16.15	0.00	130.50	18.40	16.15	0.00
105.00	18.40	16.15	0.00	131.00	18.40	16.15	0.00
105.50	18.40	16.15	0.00	131.50	18.40	16.15	0.00
106.00	18.40	16.15	0.00	132.00	18.40	16.15	0.00
106.50	18.40	16.15	0.00	132.50	18.40	16.15	0.00
107.00	18.40	16.15	0.00	133.00	18.40	16.15	0.00
107.50	18.40	16.15	0.00	133.50	18.40	16.15	0.00
108.00	18.40	16.15	0.00	134.00	18.40	16.15	0.00
108.50	18.40	16.15	0.00	134.50	18.40	16.15	0.00
109.00	18.40	16.15	0.00	135.00	18.40	16.15	0.00
109.50	18.40	16.15	0.00	135.50	18.40	16.15	0.00
110.00	18.40	16.15	0.00	136.00	18.40	16.15	0.00
110.50	18.40	16.15	0.00	136.50	18.40	16.15	0.00
111.00	18.40	16.15	0.00	137.00	18.40	16.15	0.00
111.50	18.40	16.15	0.00	137.50	18.40	16.15	0.00
112.00	18.40	16.15	0.00	138.00	18.40	16.15	0.00
112.50	18.40	16.15	0.00	138.50	18.40	16.15	0.00
113.00	18.40	16.15	0.00	139.00	18.40	16.15	0.00
113.50	18.40	16.15	0.00	139.50	18.40	16.15	0.00
114.00	18.40	16.15	0.00	140.00	18.40	16.15	0.00
114.50	18.40	16.15	0.00	140.50	18.40	16.15	0.00
115.00	18.40	16.15	0.00	141.00	18.40	16.15	0.00
115.50	18.40	16.15	0.00	141.50	18.40	16.15	0.00
116.00	18.40	16.15	0.00	142.00	18.40	16.15	0.00
116.50	18.40	16.15	0.00	142.50	18.40	16.15	0.00
117.00	18.40	16.15	0.00	143.00	18.40	16.15	0.00
117.50	18.40	16.15	0.00	143.50	18.40	16.15	0.00
118.00	18.40	16.15	0.00	144.00	18.40	16.15	0.00
118.50	18.40	16.15	0.00	144.50	18.40	16.15	0.00
119.00	18.40	16.15	0.00	145.00	18.40	16.15	0.00
119.50	18.40	16.15	0.00	145.50	18.40	16.15	0.00
120.00	18.40	16.15	0.00	146.00	18.40	16.15	0.00
120.50	18.40	16.15	0.00	146.50	18.40	16.15	0.00
121.00	18.40	16.15	0.00	147.00	18.40	16.15	0.00
121.50	18.40	16.15	0.00	147.50	18.40	16.15	0.00
122.00	18.40	16.15	0.00	148.00	18.40	16.15	0.00
122.50	18.40	16.15	0.00	148.50	18.40	16.15	0.00
123.00	18.40	16.15	0.00	149.00	18.40	16.15	0.00
123.50	18.40	16.15	0.00	149.50	18.40	16.15	0.00
124.00	18.40	16.15	0.00	150.00	18.40	16.15	0.00
124.50	18.40	16.15	0.00				
125.00	18.40	16.15	0.00				
125.50	18.40	16.15	0.00				
126.00	18.40	16.15	0.00				
126.50	18.40	16.15	0.00				
127.00	18.40	16.15	0.00				
127.50	18.40	16.15	0.00				
128.00	18.40	16.15	0.00				
128.50	18.40	16.15	0.00				
129.00	18.40	16.15	0.00				
129.50	18.40	16.15	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Summary for Subcatchment 6S: SB-1

Runoff = 72.38 cfs @ 59.98 hrs, Volume= 13.515 af, Depth=17.92"

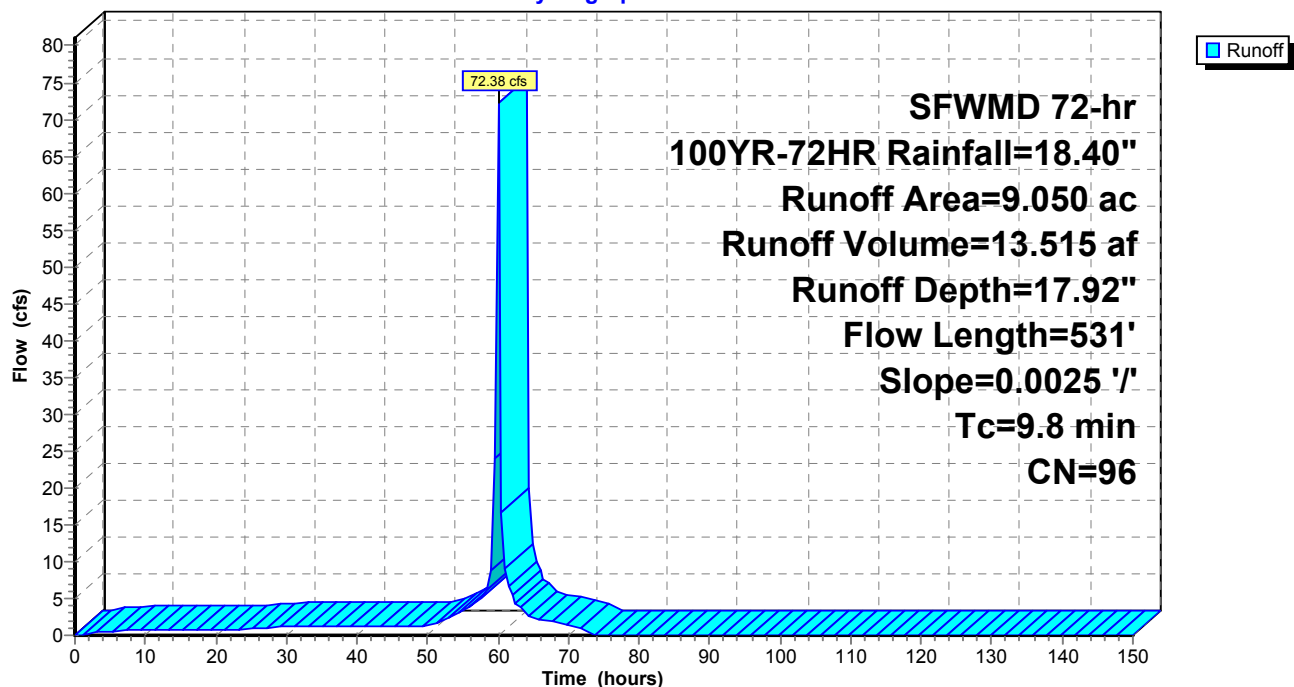
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Area (ac)	CN	Description
* 4.470	98	Gravel surface, HSG C
0.600	74	>75% Grass cover, Good, HSG C
3.980	98	Water Surface, HSG C
9.050	96	Weighted Average
0.600		6.63% Pervious Area
8.450		93.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	300	0.0025	1.00		Sheet Flow, Overland Flow Smooth surfaces n= 0.011 P2= 5.70"
4.8	231	0.0025	0.80		Shallow Concentrated Flow, Overland Flow Unpaved Kv= 16.1 fps
9.8	531	Total			

Subcatchment 6S: SB-1

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 6S: SB-1

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	2.19	1.76	1.01
0.50	0.04	0.00	0.00	26.50	2.25	1.82	1.03
1.00	0.08	0.00	0.00	27.00	2.31	1.88	1.05
1.50	0.12	0.00	0.09	27.50	2.37	1.93	1.07
2.00	0.17	0.01	0.20	28.00	2.43	1.99	1.09
2.50	0.21	0.03	0.28	28.50	2.49	2.05	1.11
3.00	0.25	0.05	0.35	29.00	2.56	2.12	1.13
3.50	0.29	0.07	0.40	29.50	2.62	2.18	1.14
4.00	0.33	0.09	0.45	30.00	2.68	2.24	1.29
4.50	0.37	0.12	0.48	30.50	2.75	2.31	1.09
5.00	0.41	0.15	0.51	31.00	2.81	2.37	1.07
5.50	0.46	0.18	0.54	31.50	2.87	2.43	1.07
6.00	0.50	0.21	0.56	32.00	2.93	2.49	1.07
6.50	0.54	0.24	0.58	32.50	2.99	2.54	1.07
7.00	0.58	0.27	0.59	33.00	3.05	2.60	1.07
7.50	0.62	0.30	0.61	33.50	3.11	2.66	1.08
8.00	0.66	0.34	0.62	34.00	3.17	2.72	1.08
8.50	0.70	0.37	0.63	34.50	3.23	2.78	1.08
9.00	0.75	0.41	0.64	35.00	3.29	2.84	1.08
9.50	0.79	0.44	0.65	35.50	3.35	2.90	1.08
10.00	0.83	0.48	0.66	36.00	3.41	2.96	1.08
10.50	0.87	0.51	0.66	36.50	3.47	3.02	1.08
11.00	0.91	0.55	0.67	37.00	3.53	3.08	1.08
11.50	0.95	0.59	0.67	37.50	3.59	3.14	1.08
12.00	0.99	0.62	0.68	38.00	3.65	3.19	1.08
12.50	1.03	0.66	0.68	38.50	3.71	3.25	1.08
13.00	1.08	0.70	0.69	39.00	3.77	3.31	1.08
13.50	1.12	0.74	0.69	39.50	3.83	3.37	1.08
14.00	1.16	0.78	0.70	40.00	3.89	3.43	1.08
14.50	1.20	0.81	0.70	40.50	3.95	3.49	1.08
15.00	1.24	0.85	0.70	41.00	4.01	3.55	1.08
15.50	1.28	0.89	0.70	41.50	4.07	3.61	1.08
16.00	1.32	0.93	0.71	42.00	4.13	3.67	1.08
16.50	1.37	0.97	0.71	42.50	4.19	3.73	1.08
17.00	1.41	1.01	0.71	43.00	4.25	3.79	1.08
17.50	1.45	1.05	0.71	43.50	4.31	3.85	1.08
18.00	1.49	1.09	0.72	44.00	4.37	3.91	1.08
18.50	1.53	1.12	0.72	44.50	4.43	3.96	1.08
19.00	1.57	1.16	0.72	45.00	4.49	4.02	1.08
19.50	1.61	1.20	0.72	45.50	4.55	4.08	1.08
20.00	1.66	1.24	0.72	46.00	4.61	4.14	1.08
20.50	1.70	1.28	0.72	46.50	4.67	4.20	1.08
21.00	1.74	1.32	0.72	47.00	4.73	4.26	1.08
21.50	1.78	1.36	0.73	47.50	4.79	4.32	1.08
22.00	1.82	1.40	0.73	48.00	4.85	4.38	1.27
22.50	1.86	1.44	0.73	48.50	4.92	4.46	1.24
23.00	1.90	1.48	0.73	49.00	4.99	4.52	1.23
23.50	1.95	1.52	0.73	49.50	5.06	4.59	1.24
24.00	1.99	1.56	0.74	50.00	5.13	4.66	1.34
24.50	2.03	1.60	0.95	50.50	5.21	4.74	1.44
25.00	2.08	1.65	0.97	51.00	5.29	4.82	1.52
25.50	2.14	1.71	0.99	51.50	5.38	4.91	1.59

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 6S: SB-1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	5.47	5.00	1.71	78.00	18.40	17.91	0.00
52.50	5.58	5.11	2.07	78.50	18.40	17.91	0.00
53.00	5.71	5.23	2.28	79.00	18.40	17.91	0.00
53.50	5.84	5.37	2.48	79.50	18.40	17.91	0.00
54.00	5.99	5.51	2.71	80.00	18.40	17.91	0.00
54.50	6.15	5.68	3.01	80.50	18.40	17.91	0.00
55.00	6.32	5.85	3.25	81.00	18.40	17.91	0.00
55.50	6.51	6.04	3.50	81.50	18.40	17.91	0.00
56.00	6.72	6.24	3.76	82.00	18.40	17.91	0.00
56.50	6.95	6.47	4.24	82.50	18.40	17.91	0.00
57.00	7.19	6.72	4.58	83.00	18.40	17.91	0.00
57.50	7.46	6.98	4.92	83.50	18.40	17.91	0.00
58.00	7.75	7.27	5.29	84.00	18.40	17.91	0.00
58.50	8.07	7.59	6.21	84.50	18.40	17.91	0.00
59.00	8.50	8.02	8.81	85.00	18.40	17.91	0.00
59.50	9.18	8.70	23.91	85.50	18.40	17.91	0.00
60.00	13.74	13.26	72.32	86.00	18.40	17.91	0.00
60.50	14.73	14.24	16.71	86.50	18.40	17.91	0.00
61.00	15.25	14.76	8.99	87.00	18.40	17.91	0.00
61.50	15.61	15.13	6.58	87.50	18.40	17.91	0.00
62.00	15.94	15.45	5.53	88.00	18.40	17.91	0.00
62.50	16.18	15.69	4.37	88.50	18.40	17.91	0.00
63.00	16.40	15.91	3.96	89.00	18.40	17.91	0.00
63.50	16.60	16.11	3.56	89.50	18.40	17.91	0.00
64.00	16.78	16.29	2.98	90.00	18.40	17.91	0.00
64.50	16.90	16.41	2.22	90.50	18.40	17.91	0.00
65.00	17.02	16.53	2.22	91.00	18.40	17.91	0.00
65.50	17.14	16.65	2.22	91.50	18.40	17.91	0.00
66.00	17.26	16.77	2.25	92.00	18.40	17.91	0.00
66.50	17.38	16.89	2.22	92.50	18.40	17.91	0.00
67.00	17.51	17.02	2.28	93.00	18.40	17.91	0.00
67.50	17.64	17.15	2.30	93.50	18.40	17.91	0.00
68.00	17.75	17.26	1.95	94.00	18.40	17.91	0.00
68.50	17.83	17.34	1.48	94.50	18.40	17.91	0.00
69.00	17.91	17.42	1.48	95.00	18.40	17.91	0.00
69.50	17.99	17.50	1.48	95.50	18.40	17.91	0.00
70.00	18.07	17.58	1.48	96.00	18.40	17.91	0.00
70.50	18.16	17.66	1.48	96.50	18.40	17.91	0.00
71.00	18.24	17.75	1.48	97.00	18.40	17.91	0.00
71.50	18.32	17.83	1.48	97.50	18.40	17.91	0.00
72.00	18.40	17.91	1.20	98.00	18.40	17.91	0.00
72.50	18.40	17.91	0.02	98.50	18.40	17.91	0.00
73.00	18.40	17.91	0.00	99.00	18.40	17.91	0.00
73.50	18.40	17.91	0.00	99.50	18.40	17.91	0.00
74.00	18.40	17.91	0.00	100.00	18.40	17.91	0.00
74.50	18.40	17.91	0.00	100.50	18.40	17.91	0.00
75.00	18.40	17.91	0.00	101.00	18.40	17.91	0.00
75.50	18.40	17.91	0.00	101.50	18.40	17.91	0.00
76.00	18.40	17.91	0.00	102.00	18.40	17.91	0.00
76.50	18.40	17.91	0.00	102.50	18.40	17.91	0.00
77.00	18.40	17.91	0.00	103.00	18.40	17.91	0.00
77.50	18.40	17.91	0.00	103.50	18.40	17.91	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Prepared by Black & Veatch

Printed 6/5/2017

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Hydrograph for Subcatchment 6S: SB-1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	18.40	17.91	0.00	130.00	18.40	17.91	0.00
104.50	18.40	17.91	0.00	130.50	18.40	17.91	0.00
105.00	18.40	17.91	0.00	131.00	18.40	17.91	0.00
105.50	18.40	17.91	0.00	131.50	18.40	17.91	0.00
106.00	18.40	17.91	0.00	132.00	18.40	17.91	0.00
106.50	18.40	17.91	0.00	132.50	18.40	17.91	0.00
107.00	18.40	17.91	0.00	133.00	18.40	17.91	0.00
107.50	18.40	17.91	0.00	133.50	18.40	17.91	0.00
108.00	18.40	17.91	0.00	134.00	18.40	17.91	0.00
108.50	18.40	17.91	0.00	134.50	18.40	17.91	0.00
109.00	18.40	17.91	0.00	135.00	18.40	17.91	0.00
109.50	18.40	17.91	0.00	135.50	18.40	17.91	0.00
110.00	18.40	17.91	0.00	136.00	18.40	17.91	0.00
110.50	18.40	17.91	0.00	136.50	18.40	17.91	0.00
111.00	18.40	17.91	0.00	137.00	18.40	17.91	0.00
111.50	18.40	17.91	0.00	137.50	18.40	17.91	0.00
112.00	18.40	17.91	0.00	138.00	18.40	17.91	0.00
112.50	18.40	17.91	0.00	138.50	18.40	17.91	0.00
113.00	18.40	17.91	0.00	139.00	18.40	17.91	0.00
113.50	18.40	17.91	0.00	139.50	18.40	17.91	0.00
114.00	18.40	17.91	0.00	140.00	18.40	17.91	0.00
114.50	18.40	17.91	0.00	140.50	18.40	17.91	0.00
115.00	18.40	17.91	0.00	141.00	18.40	17.91	0.00
115.50	18.40	17.91	0.00	141.50	18.40	17.91	0.00
116.00	18.40	17.91	0.00	142.00	18.40	17.91	0.00
116.50	18.40	17.91	0.00	142.50	18.40	17.91	0.00
117.00	18.40	17.91	0.00	143.00	18.40	17.91	0.00
117.50	18.40	17.91	0.00	143.50	18.40	17.91	0.00
118.00	18.40	17.91	0.00	144.00	18.40	17.91	0.00
118.50	18.40	17.91	0.00	144.50	18.40	17.91	0.00
119.00	18.40	17.91	0.00	145.00	18.40	17.91	0.00
119.50	18.40	17.91	0.00	145.50	18.40	17.91	0.00
120.00	18.40	17.91	0.00	146.00	18.40	17.91	0.00
120.50	18.40	17.91	0.00	146.50	18.40	17.91	0.00
121.00	18.40	17.91	0.00	147.00	18.40	17.91	0.00
121.50	18.40	17.91	0.00	147.50	18.40	17.91	0.00
122.00	18.40	17.91	0.00	148.00	18.40	17.91	0.00
122.50	18.40	17.91	0.00	148.50	18.40	17.91	0.00
123.00	18.40	17.91	0.00	149.00	18.40	17.91	0.00
123.50	18.40	17.91	0.00	149.50	18.40	17.91	0.00
124.00	18.40	17.91	0.00	150.00	18.40	17.91	0.00
124.50	18.40	17.91	0.00				
125.00	18.40	17.91	0.00				
125.50	18.40	17.91	0.00				
126.00	18.40	17.91	0.00				
126.50	18.40	17.91	0.00				
127.00	18.40	17.91	0.00				
127.50	18.40	17.91	0.00				
128.00	18.40	17.91	0.00				
128.50	18.40	17.91	0.00				
129.00	18.40	17.91	0.00				
129.50	18.40	17.91	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Prepared by Black & Veatch

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Summary for Subcatchment 7S: SB-2

Runoff = 64.72 cfs @ 59.96 hrs, Volume= 12.858 af, Depth=18.05"

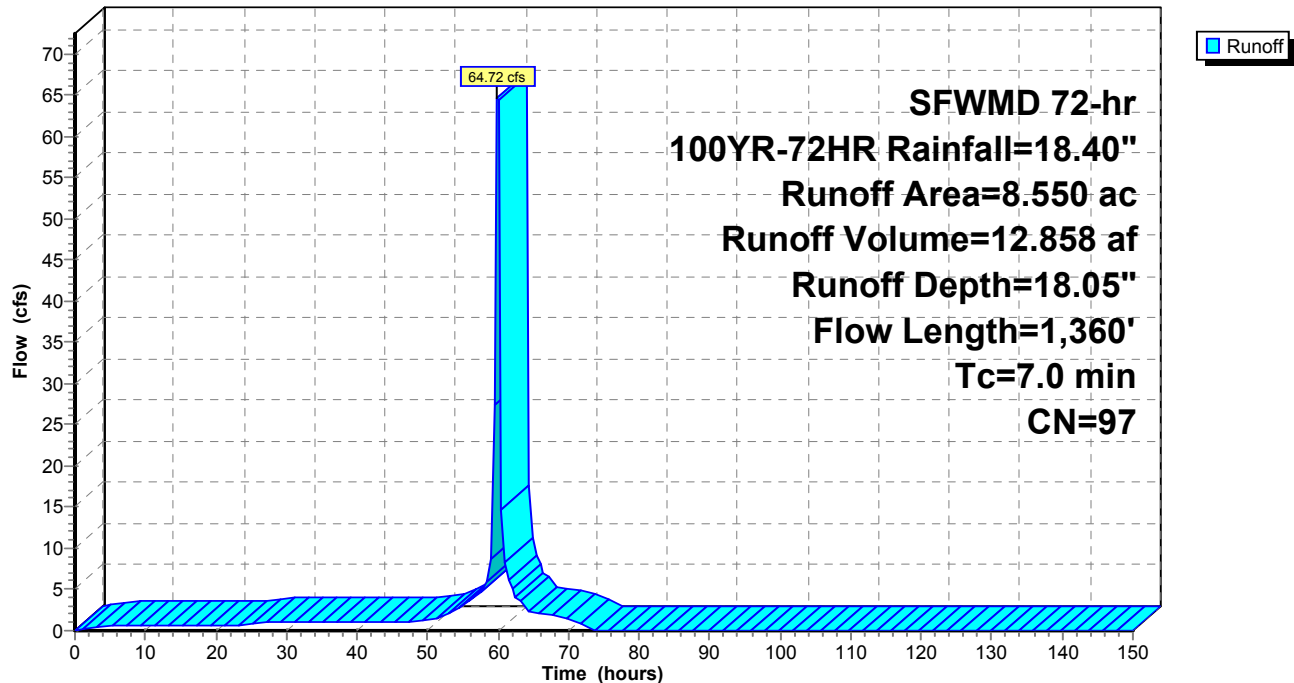
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Area (ac)	CN	Description
* 2.280	98	Paved roadway, HSG C
* 5.820	98	Gravel surface, HSG C
0.450	74	>75% Grass cover, Good, HSG C
8.550	97	Weighted Average
0.450		5.26% Pervious Area
8.100		94.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2	260	0.0060	1.37		Sheet Flow, Overland Flow to Catch Basins Smooth surfaces n= 0.011 P2= 5.70"
3.8	1,100	0.0040	4.89	8.64	Pipe Channel, Catch Basin System 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.010 PVC, smooth interior
7.0	1,360	Total			

Subcatchment 7S: SB-2

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 7S: SB-2

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	2.19	1.86	0.97
0.50	0.04	0.00	0.00	26.50	2.25	1.92	0.98
1.00	0.08	0.00	0.05	27.00	2.31	1.98	1.00
1.50	0.12	0.01	0.19	27.50	2.37	2.04	1.02
2.00	0.17	0.03	0.29	28.00	2.43	2.10	1.04
2.50	0.21	0.05	0.37	28.50	2.49	2.16	1.06
3.00	0.25	0.07	0.43	29.00	2.56	2.22	1.07
3.50	0.29	0.10	0.47	29.50	2.62	2.28	1.09
4.00	0.33	0.13	0.50	30.00	2.68	2.35	1.24
4.50	0.37	0.16	0.53	30.50	2.75	2.41	1.02
5.00	0.41	0.19	0.55	31.00	2.81	2.47	1.02
5.50	0.46	0.22	0.57	31.50	2.87	2.53	1.02
6.00	0.50	0.25	0.59	32.00	2.93	2.59	1.02
6.50	0.54	0.29	0.60	32.50	2.99	2.65	1.02
7.00	0.58	0.32	0.61	33.00	3.05	2.71	1.02
7.50	0.62	0.36	0.62	33.50	3.11	2.77	1.02
8.00	0.66	0.40	0.63	34.00	3.17	2.83	1.02
8.50	0.70	0.43	0.64	34.50	3.23	2.89	1.02
9.00	0.75	0.47	0.64	35.00	3.29	2.95	1.02
9.50	0.79	0.51	0.65	35.50	3.35	3.01	1.02
10.00	0.83	0.55	0.65	36.00	3.41	3.07	1.02
10.50	0.87	0.58	0.66	36.50	3.47	3.13	1.02
11.00	0.91	0.62	0.66	37.00	3.53	3.19	1.02
11.50	0.95	0.66	0.67	37.50	3.59	3.24	1.02
12.00	0.99	0.70	0.67	38.00	3.65	3.30	1.02
12.50	1.03	0.74	0.67	38.50	3.71	3.36	1.02
13.00	1.08	0.78	0.67	39.00	3.77	3.42	1.02
13.50	1.12	0.82	0.68	39.50	3.83	3.48	1.03
14.00	1.16	0.86	0.68	40.00	3.89	3.54	1.03
14.50	1.20	0.90	0.68	40.50	3.95	3.60	1.03
15.00	1.24	0.94	0.68	41.00	4.01	3.66	1.03
15.50	1.28	0.97	0.68	41.50	4.07	3.72	1.03
16.00	1.32	1.01	0.69	42.00	4.13	3.78	1.03
16.50	1.37	1.05	0.69	42.50	4.19	3.84	1.03
17.00	1.41	1.09	0.69	43.00	4.25	3.90	1.03
17.50	1.45	1.13	0.69	43.50	4.31	3.96	1.03
18.00	1.49	1.17	0.69	44.00	4.37	4.02	1.03
18.50	1.53	1.21	0.69	44.50	4.43	4.08	1.03
19.00	1.57	1.25	0.69	45.00	4.49	4.14	1.03
19.50	1.61	1.29	0.69	45.50	4.55	4.20	1.03
20.00	1.66	1.34	0.69	46.00	4.61	4.26	1.03
20.50	1.70	1.38	0.70	46.50	4.67	4.32	1.03
21.00	1.74	1.42	0.70	47.00	4.73	4.38	1.03
21.50	1.78	1.46	0.70	47.50	4.79	4.43	1.03
22.00	1.82	1.50	0.70	48.00	4.85	4.49	1.23
22.50	1.86	1.54	0.70	48.50	4.92	4.57	1.16
23.00	1.90	1.58	0.70	49.00	4.99	4.64	1.16
23.50	1.95	1.62	0.70	49.50	5.06	4.71	1.17
24.00	1.99	1.66	0.74	50.00	5.13	4.77	1.28
24.50	2.03	1.70	0.91	50.50	5.21	4.86	1.37
25.00	2.08	1.75	0.93	51.00	5.29	4.94	1.44
25.50	2.14	1.81	0.95	51.50	5.38	5.03	1.52

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 7S: SB-2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	5.47	5.12	1.65	78.00	18.40	18.03	0.00
52.50	5.58	5.23	1.98	78.50	18.40	18.03	0.00
53.00	5.71	5.35	2.17	79.00	18.40	18.03	0.00
53.50	5.84	5.48	2.36	79.50	18.40	18.03	0.00
54.00	5.99	5.63	2.59	80.00	18.40	18.03	0.00
54.50	6.15	5.79	2.87	80.50	18.40	18.03	0.00
55.00	6.32	5.97	3.10	81.00	18.40	18.03	0.00
55.50	6.51	6.16	3.33	81.50	18.40	18.03	0.00
56.00	6.72	6.36	3.59	82.00	18.40	18.03	0.00
56.50	6.95	6.59	4.04	82.50	18.40	18.03	0.00
57.00	7.19	6.84	4.36	83.00	18.40	18.03	0.00
57.50	7.46	7.10	4.68	83.50	18.40	18.03	0.00
58.00	7.75	7.39	5.05	84.00	18.40	18.03	0.00
58.50	8.07	7.71	5.99	84.50	18.40	18.03	0.00
59.00	8.50	8.14	8.70	85.00	18.40	18.03	0.00
59.50	9.18	8.82	27.49	85.50	18.40	18.03	0.00
60.00	13.74	13.38	64.48	86.00	18.40	18.03	0.00
60.50	14.73	14.37	14.66	86.50	18.40	18.03	0.00
61.00	15.25	14.88	8.26	87.00	18.40	18.03	0.00
61.50	15.61	15.25	6.13	87.50	18.40	18.03	0.00
62.00	15.94	15.57	5.10	88.00	18.40	18.03	0.00
62.50	16.18	15.81	4.09	88.50	18.40	18.03	0.00
63.00	16.40	16.03	3.71	89.00	18.40	18.03	0.00
63.50	16.60	16.23	3.33	89.50	18.40	18.03	0.00
64.00	16.78	16.41	2.73	90.00	18.40	18.03	0.00
64.50	16.90	16.53	2.09	90.50	18.40	18.03	0.00
65.00	17.02	16.65	2.09	91.00	18.40	18.03	0.00
65.50	17.14	16.77	2.09	91.50	18.40	18.03	0.00
66.00	17.26	16.90	2.12	92.00	18.40	18.03	0.00
66.50	17.38	17.02	2.09	92.50	18.40	18.03	0.00
67.00	17.51	17.14	2.17	93.00	18.40	18.03	0.00
67.50	17.64	17.27	2.15	93.50	18.40	18.03	0.00
68.00	17.75	17.39	1.79	94.00	18.40	18.03	0.00
68.50	17.83	17.47	1.40	94.50	18.40	18.03	0.00
69.00	17.91	17.55	1.40	95.00	18.40	18.03	0.00
69.50	17.99	17.63	1.40	95.50	18.40	18.03	0.00
70.00	18.07	17.71	1.40	96.00	18.40	18.03	0.00
70.50	18.16	17.79	1.40	96.50	18.40	18.03	0.00
71.00	18.24	17.87	1.40	97.00	18.40	18.03	0.00
71.50	18.32	17.95	1.40	97.50	18.40	18.03	0.00
72.00	18.40	18.03	1.03	98.00	18.40	18.03	0.00
72.50	18.40	18.03	0.00	98.50	18.40	18.03	0.00
73.00	18.40	18.03	0.00	99.00	18.40	18.03	0.00
73.50	18.40	18.03	0.00	99.50	18.40	18.03	0.00
74.00	18.40	18.03	0.00	100.00	18.40	18.03	0.00
74.50	18.40	18.03	0.00	100.50	18.40	18.03	0.00
75.00	18.40	18.03	0.00	101.00	18.40	18.03	0.00
75.50	18.40	18.03	0.00	101.50	18.40	18.03	0.00
76.00	18.40	18.03	0.00	102.00	18.40	18.03	0.00
76.50	18.40	18.03	0.00	102.50	18.40	18.03	0.00
77.00	18.40	18.03	0.00	103.00	18.40	18.03	0.00
77.50	18.40	18.03	0.00	103.50	18.40	18.03	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 7S: SB-2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	18.40	18.03	0.00	130.00	18.40	18.03	0.00
104.50	18.40	18.03	0.00	130.50	18.40	18.03	0.00
105.00	18.40	18.03	0.00	131.00	18.40	18.03	0.00
105.50	18.40	18.03	0.00	131.50	18.40	18.03	0.00
106.00	18.40	18.03	0.00	132.00	18.40	18.03	0.00
106.50	18.40	18.03	0.00	132.50	18.40	18.03	0.00
107.00	18.40	18.03	0.00	133.00	18.40	18.03	0.00
107.50	18.40	18.03	0.00	133.50	18.40	18.03	0.00
108.00	18.40	18.03	0.00	134.00	18.40	18.03	0.00
108.50	18.40	18.03	0.00	134.50	18.40	18.03	0.00
109.00	18.40	18.03	0.00	135.00	18.40	18.03	0.00
109.50	18.40	18.03	0.00	135.50	18.40	18.03	0.00
110.00	18.40	18.03	0.00	136.00	18.40	18.03	0.00
110.50	18.40	18.03	0.00	136.50	18.40	18.03	0.00
111.00	18.40	18.03	0.00	137.00	18.40	18.03	0.00
111.50	18.40	18.03	0.00	137.50	18.40	18.03	0.00
112.00	18.40	18.03	0.00	138.00	18.40	18.03	0.00
112.50	18.40	18.03	0.00	138.50	18.40	18.03	0.00
113.00	18.40	18.03	0.00	139.00	18.40	18.03	0.00
113.50	18.40	18.03	0.00	139.50	18.40	18.03	0.00
114.00	18.40	18.03	0.00	140.00	18.40	18.03	0.00
114.50	18.40	18.03	0.00	140.50	18.40	18.03	0.00
115.00	18.40	18.03	0.00	141.00	18.40	18.03	0.00
115.50	18.40	18.03	0.00	141.50	18.40	18.03	0.00
116.00	18.40	18.03	0.00	142.00	18.40	18.03	0.00
116.50	18.40	18.03	0.00	142.50	18.40	18.03	0.00
117.00	18.40	18.03	0.00	143.00	18.40	18.03	0.00
117.50	18.40	18.03	0.00	143.50	18.40	18.03	0.00
118.00	18.40	18.03	0.00	144.00	18.40	18.03	0.00
118.50	18.40	18.03	0.00	144.50	18.40	18.03	0.00
119.00	18.40	18.03	0.00	145.00	18.40	18.03	0.00
119.50	18.40	18.03	0.00	145.50	18.40	18.03	0.00
120.00	18.40	18.03	0.00	146.00	18.40	18.03	0.00
120.50	18.40	18.03	0.00	146.50	18.40	18.03	0.00
121.00	18.40	18.03	0.00	147.00	18.40	18.03	0.00
121.50	18.40	18.03	0.00	147.50	18.40	18.03	0.00
122.00	18.40	18.03	0.00	148.00	18.40	18.03	0.00
122.50	18.40	18.03	0.00	148.50	18.40	18.03	0.00
123.00	18.40	18.03	0.00	149.00	18.40	18.03	0.00
123.50	18.40	18.03	0.00	149.50	18.40	18.03	0.00
124.00	18.40	18.03	0.00	150.00	18.40	18.03	0.00
124.50	18.40	18.03	0.00				
125.00	18.40	18.03	0.00				
125.50	18.40	18.03	0.00				
126.00	18.40	18.03	0.00				
126.50	18.40	18.03	0.00				
127.00	18.40	18.03	0.00				
127.50	18.40	18.03	0.00				
128.00	18.40	18.03	0.00				
128.50	18.40	18.03	0.00				
129.00	18.40	18.03	0.00				
129.50	18.40	18.03	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Summary for Subcatchment 8S: SB-3

Runoff = 5.45 cfs @ 60.27 hrs, Volume= 1.292 af, Depth=14.77"

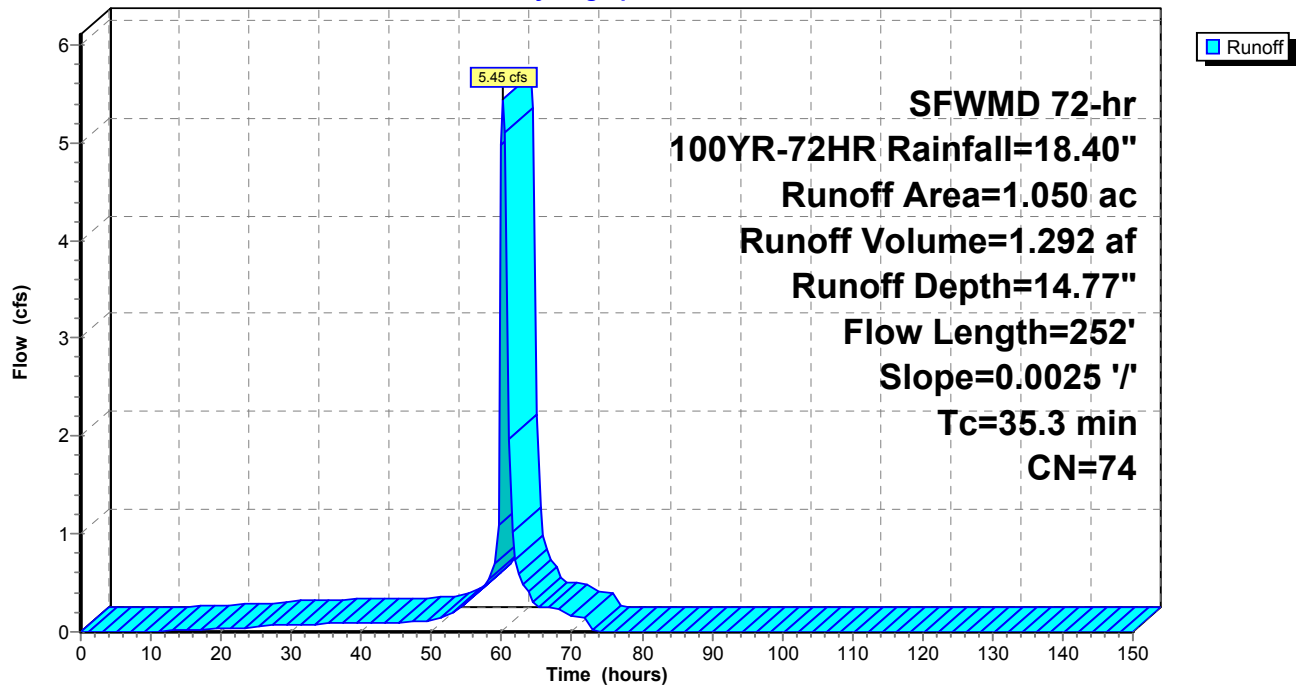
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Area (ac)	CN	Description
1.050	74	>75% Grass cover, Good, HSG C
1.050		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
35.3	252	0.0025	0.12		Sheet Flow, Overland Flow Grass: Short n= 0.150 P2= 5.70"

Subcatchment 8S: SB-3

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 8S: SB-3

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	2.19	0.44	0.06
0.50	0.04	0.00	0.00	26.50	2.25	0.47	0.06
1.00	0.08	0.00	0.00	27.00	2.31	0.50	0.06
1.50	0.12	0.00	0.00	27.50	2.37	0.54	0.07
2.00	0.17	0.00	0.00	28.00	2.43	0.57	0.07
2.50	0.21	0.00	0.00	28.50	2.49	0.60	0.07
3.00	0.25	0.00	0.00	29.00	2.56	0.64	0.07
3.50	0.29	0.00	0.00	29.50	2.62	0.68	0.08
4.00	0.33	0.00	0.00	30.00	2.68	0.71	0.08
4.50	0.37	0.00	0.00	30.50	2.75	0.76	0.09
5.00	0.41	0.00	0.00	31.00	2.81	0.79	0.08
5.50	0.46	0.00	0.00	31.50	2.87	0.83	0.08
6.00	0.50	0.00	0.00	32.00	2.93	0.87	0.08
6.50	0.54	0.00	0.00	32.50	2.99	0.90	0.08
7.00	0.58	0.00	0.00	33.00	3.05	0.94	0.08
7.50	0.62	0.00	0.00	33.50	3.11	0.98	0.08
8.00	0.66	0.00	0.00	34.00	3.17	1.02	0.08
8.50	0.70	0.00	0.00	34.50	3.23	1.06	0.08
9.00	0.75	0.00	0.00	35.00	3.29	1.10	0.08
9.50	0.79	0.00	0.00	35.50	3.35	1.14	0.08
10.00	0.83	0.00	0.00	36.00	3.41	1.18	0.09
10.50	0.87	0.01	0.01	36.50	3.47	1.22	0.09
11.00	0.91	0.01	0.01	37.00	3.53	1.26	0.09
11.50	0.95	0.02	0.01	37.50	3.59	1.30	0.09
12.00	0.99	0.02	0.01	38.00	3.65	1.34	0.09
12.50	1.03	0.03	0.01	38.50	3.71	1.39	0.09
13.00	1.08	0.04	0.01	39.00	3.77	1.43	0.09
13.50	1.12	0.04	0.02	39.50	3.83	1.47	0.09
14.00	1.16	0.05	0.02	40.00	3.89	1.52	0.09
14.50	1.20	0.06	0.02	40.50	3.95	1.56	0.09
15.00	1.24	0.07	0.02	41.00	4.01	1.60	0.09
15.50	1.28	0.08	0.02	41.50	4.07	1.65	0.09
16.00	1.32	0.09	0.02	42.00	4.13	1.69	0.09
16.50	1.37	0.11	0.02	42.50	4.19	1.74	0.09
17.00	1.41	0.12	0.03	43.00	4.25	1.78	0.09
17.50	1.45	0.13	0.03	43.50	4.31	1.83	0.10
18.00	1.49	0.14	0.03	44.00	4.37	1.87	0.10
18.50	1.53	0.16	0.03	44.50	4.43	1.92	0.10
19.00	1.57	0.17	0.03	45.00	4.49	1.96	0.10
19.50	1.61	0.19	0.03	45.50	4.55	2.01	0.10
20.00	1.66	0.20	0.03	46.00	4.61	2.06	0.10
20.50	1.70	0.22	0.03	46.50	4.67	2.10	0.10
21.00	1.74	0.24	0.03	47.00	4.73	2.15	0.10
21.50	1.78	0.25	0.04	47.50	4.79	2.20	0.10
22.00	1.82	0.27	0.04	48.00	4.85	2.24	0.10
22.50	1.86	0.29	0.04	48.50	4.92	2.30	0.12
23.00	1.90	0.31	0.04	49.00	4.99	2.36	0.11
23.50	1.95	0.32	0.04	49.50	5.06	2.41	0.11
24.00	1.99	0.34	0.04	50.00	5.13	2.47	0.12
24.50	2.03	0.36	0.04	50.50	5.21	2.53	0.13
25.00	2.08	0.39	0.05	51.00	5.29	2.60	0.14
25.50	2.14	0.42	0.06	51.50	5.38	2.67	0.15

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 8S: SB-3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	5.47	2.75	0.15	78.00	18.40	14.77	0.00
52.50	5.58	2.84	0.17	78.50	18.40	14.77	0.00
53.00	5.71	2.94	0.20	79.00	18.40	14.77	0.00
53.50	5.84	3.05	0.22	79.50	18.40	14.77	0.00
54.00	5.99	3.17	0.25	80.00	18.40	14.77	0.00
54.50	6.15	3.31	0.27	80.50	18.40	14.77	0.00
55.00	6.32	3.46	0.30	81.00	18.40	14.77	0.00
55.50	6.51	3.62	0.33	81.50	18.40	14.77	0.00
56.00	6.72	3.80	0.35	82.00	18.40	14.77	0.00
56.50	6.95	3.99	0.39	82.50	18.40	14.77	0.00
57.00	7.19	4.21	0.44	83.00	18.40	14.77	0.00
57.50	7.46	4.45	0.47	83.50	18.40	14.77	0.00
58.00	7.75	4.70	0.51	84.00	18.40	14.77	0.00
58.50	8.07	4.99	0.57	84.50	18.40	14.77	0.00
59.00	8.50	5.38	0.70	85.00	18.40	14.77	0.00
59.50	9.18	5.99	1.10	85.50	18.40	14.77	0.00
60.00	13.74	10.27	4.97	86.00	18.40	14.77	0.00
60.50	14.73	11.22	5.11	86.50	18.40	14.77	0.00
61.00	15.25	11.71	1.97	87.00	18.40	14.77	0.00
61.50	15.61	12.07	1.03	87.50	18.40	14.77	0.00
62.00	15.94	12.38	0.74	88.00	18.40	14.77	0.00
62.50	16.18	12.61	0.58	88.50	18.40	14.77	0.00
63.00	16.40	12.83	0.49	89.00	18.40	14.77	0.00
63.50	16.60	13.02	0.44	89.50	18.40	14.77	0.00
64.00	16.78	13.19	0.39	90.00	18.40	14.77	0.00
64.50	16.90	13.31	0.31	90.50	18.40	14.77	0.00
65.00	17.02	13.42	0.26	91.00	18.40	14.77	0.00
65.50	17.14	13.54	0.25	91.50	18.40	14.77	0.00
66.00	17.26	13.66	0.25	92.00	18.40	14.77	0.00
66.50	17.38	13.78	0.25	92.50	18.40	14.77	0.00
67.00	17.51	13.90	0.25	93.00	18.40	14.77	0.00
67.50	17.64	14.02	0.26	93.50	18.40	14.77	0.00
68.00	17.75	14.14	0.25	94.00	18.40	14.77	0.00
68.50	17.83	14.21	0.20	94.50	18.40	14.77	0.00
69.00	17.91	14.29	0.17	95.00	18.40	14.77	0.00
69.50	17.99	14.37	0.17	95.50	18.40	14.77	0.00
70.00	18.07	14.45	0.17	96.00	18.40	14.77	0.00
70.50	18.16	14.53	0.17	96.50	18.40	14.77	0.00
71.00	18.24	14.61	0.17	97.00	18.40	14.77	0.00
71.50	18.32	14.69	0.17	97.50	18.40	14.77	0.00
72.00	18.40	14.77	0.17	98.00	18.40	14.77	0.00
72.50	18.40	14.77	0.09	98.50	18.40	14.77	0.00
73.00	18.40	14.77	0.01	99.00	18.40	14.77	0.00
73.50	18.40	14.77	0.00	99.50	18.40	14.77	0.00
74.00	18.40	14.77	0.00	100.00	18.40	14.77	0.00
74.50	18.40	14.77	0.00	100.50	18.40	14.77	0.00
75.00	18.40	14.77	0.00	101.00	18.40	14.77	0.00
75.50	18.40	14.77	0.00	101.50	18.40	14.77	0.00
76.00	18.40	14.77	0.00	102.00	18.40	14.77	0.00
76.50	18.40	14.77	0.00	102.50	18.40	14.77	0.00
77.00	18.40	14.77	0.00	103.00	18.40	14.77	0.00
77.50	18.40	14.77	0.00	103.50	18.40	14.77	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 8S: SB-3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	18.40	14.77	0.00	130.00	18.40	14.77	0.00
104.50	18.40	14.77	0.00	130.50	18.40	14.77	0.00
105.00	18.40	14.77	0.00	131.00	18.40	14.77	0.00
105.50	18.40	14.77	0.00	131.50	18.40	14.77	0.00
106.00	18.40	14.77	0.00	132.00	18.40	14.77	0.00
106.50	18.40	14.77	0.00	132.50	18.40	14.77	0.00
107.00	18.40	14.77	0.00	133.00	18.40	14.77	0.00
107.50	18.40	14.77	0.00	133.50	18.40	14.77	0.00
108.00	18.40	14.77	0.00	134.00	18.40	14.77	0.00
108.50	18.40	14.77	0.00	134.50	18.40	14.77	0.00
109.00	18.40	14.77	0.00	135.00	18.40	14.77	0.00
109.50	18.40	14.77	0.00	135.50	18.40	14.77	0.00
110.00	18.40	14.77	0.00	136.00	18.40	14.77	0.00
110.50	18.40	14.77	0.00	136.50	18.40	14.77	0.00
111.00	18.40	14.77	0.00	137.00	18.40	14.77	0.00
111.50	18.40	14.77	0.00	137.50	18.40	14.77	0.00
112.00	18.40	14.77	0.00	138.00	18.40	14.77	0.00
112.50	18.40	14.77	0.00	138.50	18.40	14.77	0.00
113.00	18.40	14.77	0.00	139.00	18.40	14.77	0.00
113.50	18.40	14.77	0.00	139.50	18.40	14.77	0.00
114.00	18.40	14.77	0.00	140.00	18.40	14.77	0.00
114.50	18.40	14.77	0.00	140.50	18.40	14.77	0.00
115.00	18.40	14.77	0.00	141.00	18.40	14.77	0.00
115.50	18.40	14.77	0.00	141.50	18.40	14.77	0.00
116.00	18.40	14.77	0.00	142.00	18.40	14.77	0.00
116.50	18.40	14.77	0.00	142.50	18.40	14.77	0.00
117.00	18.40	14.77	0.00	143.00	18.40	14.77	0.00
117.50	18.40	14.77	0.00	143.50	18.40	14.77	0.00
118.00	18.40	14.77	0.00	144.00	18.40	14.77	0.00
118.50	18.40	14.77	0.00	144.50	18.40	14.77	0.00
119.00	18.40	14.77	0.00	145.00	18.40	14.77	0.00
119.50	18.40	14.77	0.00	145.50	18.40	14.77	0.00
120.00	18.40	14.77	0.00	146.00	18.40	14.77	0.00
120.50	18.40	14.77	0.00	146.50	18.40	14.77	0.00
121.00	18.40	14.77	0.00	147.00	18.40	14.77	0.00
121.50	18.40	14.77	0.00	147.50	18.40	14.77	0.00
122.00	18.40	14.77	0.00	148.00	18.40	14.77	0.00
122.50	18.40	14.77	0.00	148.50	18.40	14.77	0.00
123.00	18.40	14.77	0.00	149.00	18.40	14.77	0.00
123.50	18.40	14.77	0.00	149.50	18.40	14.77	0.00
124.00	18.40	14.77	0.00	150.00	18.40	14.77	0.00
124.50	18.40	14.77	0.00				
125.00	18.40	14.77	0.00				
125.50	18.40	14.77	0.00				
126.00	18.40	14.77	0.00				
126.50	18.40	14.77	0.00				
127.00	18.40	14.77	0.00				
127.50	18.40	14.77	0.00				
128.00	18.40	14.77	0.00				
128.50	18.40	14.77	0.00				
129.00	18.40	14.77	0.00				
129.50	18.40	14.77	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Summary for Subcatchment 9S: SB-8

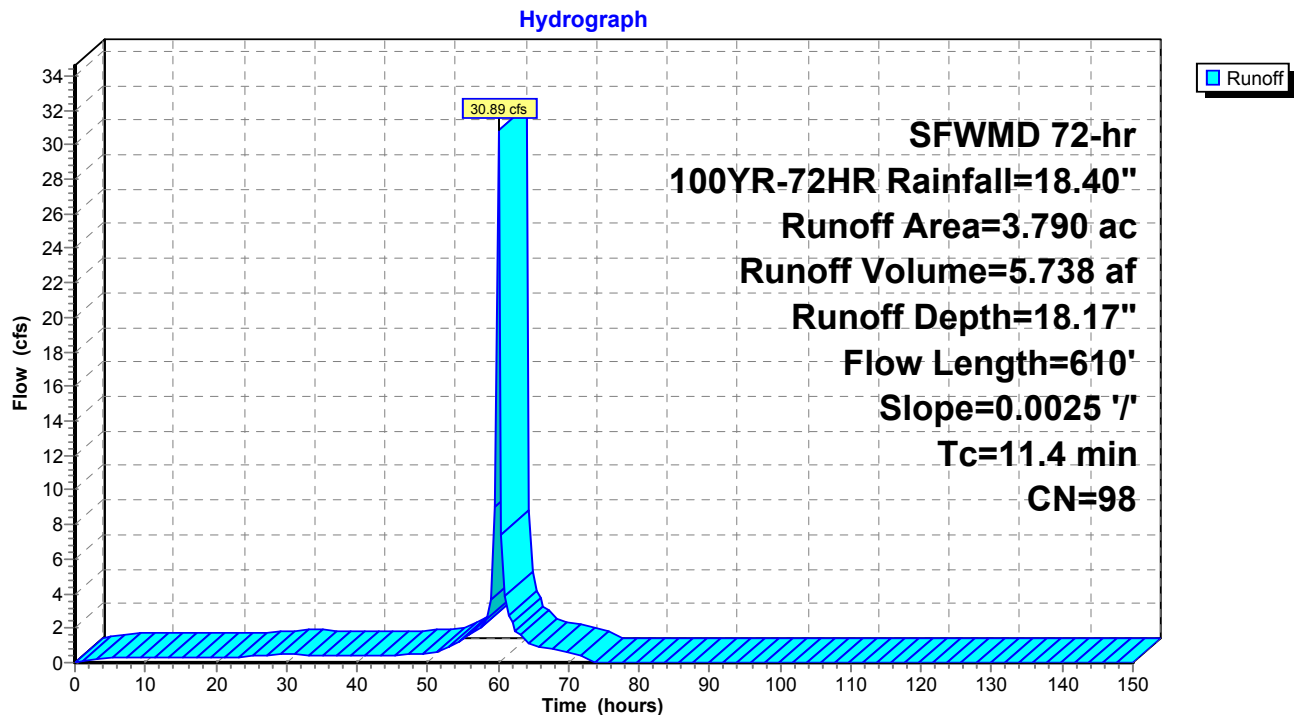
Runoff = 30.89 cfs @ 59.99 hrs, Volume= 5.738 af, Depth=18.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Area (ac)	CN	Description
0.880	98	Water Surface, HSG C
* 2.620	98	Gravel surface, HSG C
* 0.290	98	Paved road, HSG C
3.790	98	Weighted Average
3.790		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	300	0.0025	1.00		Sheet Flow, Overland Flow
					Smooth surfaces n= 0.011 P2= 5.70"
6.4	310	0.0025	0.81		Shallow Concentrated Flow, Overland Flow
					Unpaved Kv= 16.1 fps
11.4	610	Total			

Subcatchment 9S: SB-8



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 9S: SB-8

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	2.19	1.97	0.43
0.50	0.04	0.00	0.00	26.50	2.25	2.02	0.44
1.00	0.08	0.01	0.07	27.00	2.31	2.08	0.45
1.50	0.12	0.02	0.14	27.50	2.37	2.14	0.45
2.00	0.17	0.05	0.18	28.00	2.43	2.20	0.46
2.50	0.21	0.07	0.21	28.50	2.49	2.26	0.47
3.00	0.25	0.10	0.23	29.00	2.56	2.33	0.48
3.50	0.29	0.14	0.25	29.50	2.62	2.39	0.49
4.00	0.33	0.17	0.26	30.00	2.68	2.45	0.54
4.50	0.37	0.21	0.27	30.50	2.75	2.52	0.47
5.00	0.41	0.24	0.27	31.00	2.81	2.58	0.45
5.50	0.46	0.28	0.28	31.50	2.87	2.64	0.45
6.00	0.50	0.32	0.28	32.00	2.93	2.70	0.46
6.50	0.54	0.35	0.29	32.50	2.99	2.76	0.46
7.00	0.58	0.39	0.29	33.00	3.05	2.82	0.46
7.50	0.62	0.43	0.29	33.50	3.11	2.88	0.46
8.00	0.66	0.47	0.30	34.00	3.17	2.94	0.46
8.50	0.70	0.51	0.30	34.50	3.23	3.00	0.46
9.00	0.75	0.55	0.30	35.00	3.29	3.06	0.46
9.50	0.79	0.59	0.30	35.50	3.35	3.12	0.46
10.00	0.83	0.63	0.30	36.00	3.41	3.18	0.46
10.50	0.87	0.66	0.30	36.50	3.47	3.24	0.46
11.00	0.91	0.70	0.30	37.00	3.53	3.30	0.46
11.50	0.95	0.74	0.31	37.50	3.59	3.36	0.46
12.00	0.99	0.78	0.31	38.00	3.65	3.42	0.46
12.50	1.03	0.82	0.31	38.50	3.71	3.48	0.46
13.00	1.08	0.87	0.31	39.00	3.77	3.54	0.46
13.50	1.12	0.91	0.31	39.50	3.83	3.60	0.46
14.00	1.16	0.95	0.31	40.00	3.89	3.66	0.46
14.50	1.20	0.99	0.31	40.50	3.95	3.71	0.46
15.00	1.24	1.03	0.31	41.00	4.01	3.77	0.46
15.50	1.28	1.07	0.31	41.50	4.07	3.83	0.46
16.00	1.32	1.11	0.31	42.00	4.13	3.89	0.46
16.50	1.37	1.15	0.31	42.50	4.19	3.95	0.46
17.00	1.41	1.19	0.31	43.00	4.25	4.01	0.46
17.50	1.45	1.23	0.31	43.50	4.31	4.07	0.46
18.00	1.49	1.27	0.31	44.00	4.37	4.13	0.46
18.50	1.53	1.31	0.31	44.50	4.43	4.19	0.46
19.00	1.57	1.35	0.31	45.00	4.49	4.25	0.46
19.50	1.61	1.39	0.31	45.50	4.55	4.31	0.46
20.00	1.66	1.43	0.31	46.00	4.61	4.37	0.46
20.50	1.70	1.47	0.31	46.50	4.67	4.43	0.46
21.00	1.74	1.52	0.31	47.00	4.73	4.49	0.46
21.50	1.78	1.56	0.31	47.50	4.79	4.55	0.46
22.00	1.82	1.60	0.31	48.00	4.85	4.61	0.53
22.50	1.86	1.64	0.31	48.50	4.92	4.69	0.52
23.00	1.90	1.68	0.31	49.00	4.99	4.75	0.52
23.50	1.95	1.72	0.31	49.50	5.06	4.82	0.52
24.00	1.99	1.76	0.31	50.00	5.13	4.89	0.56
24.50	2.03	1.80	0.40	50.50	5.21	4.97	0.61
25.00	2.08	1.86	0.42	51.00	5.29	5.06	0.64
25.50	2.14	1.91	0.42	51.50	5.38	5.14	0.67

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 9S: SB-8 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	5.47	5.23	0.71	78.00	18.40	18.16	0.00
52.50	5.58	5.34	0.87	78.50	18.40	18.16	0.00
53.00	5.71	5.47	0.95	79.00	18.40	18.16	0.00
53.50	5.84	5.60	1.04	79.50	18.40	18.16	0.00
54.00	5.99	5.75	1.13	80.00	18.40	18.16	0.00
54.50	6.15	5.91	1.26	80.50	18.40	18.16	0.00
55.00	6.32	6.09	1.36	81.00	18.40	18.16	0.00
55.50	6.51	6.28	1.46	81.50	18.40	18.16	0.00
56.00	6.72	6.48	1.57	82.00	18.40	18.16	0.00
56.50	6.95	6.71	1.77	82.50	18.40	18.16	0.00
57.00	7.19	6.95	1.92	83.00	18.40	18.16	0.00
57.50	7.46	7.22	2.06	83.50	18.40	18.16	0.00
58.00	7.75	7.51	2.21	84.00	18.40	18.16	0.00
58.50	8.07	7.83	2.57	84.50	18.40	18.16	0.00
59.00	8.50	8.26	3.61	85.00	18.40	18.16	0.00
59.50	9.18	8.94	9.04	85.50	18.40	18.16	0.00
60.00	13.74	13.50	30.88	86.00	18.40	18.16	0.00
60.50	14.73	14.49	7.43	86.50	18.40	18.16	0.00
61.00	15.25	15.00	3.84	87.00	18.40	18.16	0.00
61.50	15.61	15.37	2.78	87.50	18.40	18.16	0.00
62.00	15.94	15.70	2.35	88.00	18.40	18.16	0.00
62.50	16.18	15.94	1.84	88.50	18.40	18.16	0.00
63.00	16.40	16.16	1.67	89.00	18.40	18.16	0.00
63.50	16.60	16.36	1.50	89.50	18.40	18.16	0.00
64.00	16.78	16.53	1.27	90.00	18.40	18.16	0.00
64.50	16.90	16.65	0.94	90.50	18.40	18.16	0.00
65.00	17.02	16.78	0.93	91.00	18.40	18.16	0.00
65.50	17.14	16.90	0.93	91.50	18.40	18.16	0.00
66.00	17.26	17.02	0.94	92.00	18.40	18.16	0.00
66.50	17.38	17.14	0.93	92.50	18.40	18.16	0.00
67.00	17.51	17.26	0.95	93.00	18.40	18.16	0.00
67.50	17.64	17.39	0.97	93.50	18.40	18.16	0.00
68.00	17.75	17.51	0.83	94.00	18.40	18.16	0.00
68.50	17.83	17.59	0.62	94.50	18.40	18.16	0.00
69.00	17.91	17.67	0.62	95.00	18.40	18.16	0.00
69.50	17.99	17.75	0.62	95.50	18.40	18.16	0.00
70.00	18.07	17.83	0.62	96.00	18.40	18.16	0.00
70.50	18.16	17.91	0.62	96.50	18.40	18.16	0.00
71.00	18.24	17.99	0.62	97.00	18.40	18.16	0.00
71.50	18.32	18.07	0.62	97.50	18.40	18.16	0.00
72.00	18.40	18.16	0.52	98.00	18.40	18.16	0.00
72.50	18.40	18.16	0.02	98.50	18.40	18.16	0.00
73.00	18.40	18.16	0.00	99.00	18.40	18.16	0.00
73.50	18.40	18.16	0.00	99.50	18.40	18.16	0.00
74.00	18.40	18.16	0.00	100.00	18.40	18.16	0.00
74.50	18.40	18.16	0.00	100.50	18.40	18.16	0.00
75.00	18.40	18.16	0.00	101.00	18.40	18.16	0.00
75.50	18.40	18.16	0.00	101.50	18.40	18.16	0.00
76.00	18.40	18.16	0.00	102.00	18.40	18.16	0.00
76.50	18.40	18.16	0.00	102.50	18.40	18.16	0.00
77.00	18.40	18.16	0.00	103.00	18.40	18.16	0.00
77.50	18.40	18.16	0.00	103.50	18.40	18.16	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 9S: SB-8 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	18.40	18.16	0.00	130.00	18.40	18.16	0.00
104.50	18.40	18.16	0.00	130.50	18.40	18.16	0.00
105.00	18.40	18.16	0.00	131.00	18.40	18.16	0.00
105.50	18.40	18.16	0.00	131.50	18.40	18.16	0.00
106.00	18.40	18.16	0.00	132.00	18.40	18.16	0.00
106.50	18.40	18.16	0.00	132.50	18.40	18.16	0.00
107.00	18.40	18.16	0.00	133.00	18.40	18.16	0.00
107.50	18.40	18.16	0.00	133.50	18.40	18.16	0.00
108.00	18.40	18.16	0.00	134.00	18.40	18.16	0.00
108.50	18.40	18.16	0.00	134.50	18.40	18.16	0.00
109.00	18.40	18.16	0.00	135.00	18.40	18.16	0.00
109.50	18.40	18.16	0.00	135.50	18.40	18.16	0.00
110.00	18.40	18.16	0.00	136.00	18.40	18.16	0.00
110.50	18.40	18.16	0.00	136.50	18.40	18.16	0.00
111.00	18.40	18.16	0.00	137.00	18.40	18.16	0.00
111.50	18.40	18.16	0.00	137.50	18.40	18.16	0.00
112.00	18.40	18.16	0.00	138.00	18.40	18.16	0.00
112.50	18.40	18.16	0.00	138.50	18.40	18.16	0.00
113.00	18.40	18.16	0.00	139.00	18.40	18.16	0.00
113.50	18.40	18.16	0.00	139.50	18.40	18.16	0.00
114.00	18.40	18.16	0.00	140.00	18.40	18.16	0.00
114.50	18.40	18.16	0.00	140.50	18.40	18.16	0.00
115.00	18.40	18.16	0.00	141.00	18.40	18.16	0.00
115.50	18.40	18.16	0.00	141.50	18.40	18.16	0.00
116.00	18.40	18.16	0.00	142.00	18.40	18.16	0.00
116.50	18.40	18.16	0.00	142.50	18.40	18.16	0.00
117.00	18.40	18.16	0.00	143.00	18.40	18.16	0.00
117.50	18.40	18.16	0.00	143.50	18.40	18.16	0.00
118.00	18.40	18.16	0.00	144.00	18.40	18.16	0.00
118.50	18.40	18.16	0.00	144.50	18.40	18.16	0.00
119.00	18.40	18.16	0.00	145.00	18.40	18.16	0.00
119.50	18.40	18.16	0.00	145.50	18.40	18.16	0.00
120.00	18.40	18.16	0.00	146.00	18.40	18.16	0.00
120.50	18.40	18.16	0.00	146.50	18.40	18.16	0.00
121.00	18.40	18.16	0.00	147.00	18.40	18.16	0.00
121.50	18.40	18.16	0.00	147.50	18.40	18.16	0.00
122.00	18.40	18.16	0.00	148.00	18.40	18.16	0.00
122.50	18.40	18.16	0.00	148.50	18.40	18.16	0.00
123.00	18.40	18.16	0.00	149.00	18.40	18.16	0.00
123.50	18.40	18.16	0.00	149.50	18.40	18.16	0.00
124.00	18.40	18.16	0.00	150.00	18.40	18.16	0.00
124.50	18.40	18.16	0.00				
125.00	18.40	18.16	0.00				
125.50	18.40	18.16	0.00				
126.00	18.40	18.16	0.00				
126.50	18.40	18.16	0.00				
127.00	18.40	18.16	0.00				
127.50	18.40	18.16	0.00				
128.00	18.40	18.16	0.00				
128.50	18.40	18.16	0.00				
129.00	18.40	18.16	0.00				
129.50	18.40	18.16	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Summary for Subcatchment 10S: SB-4

Runoff = 59.59 cfs @ 60.10 hrs, Volume= 13.165 af, Depth=17.53"

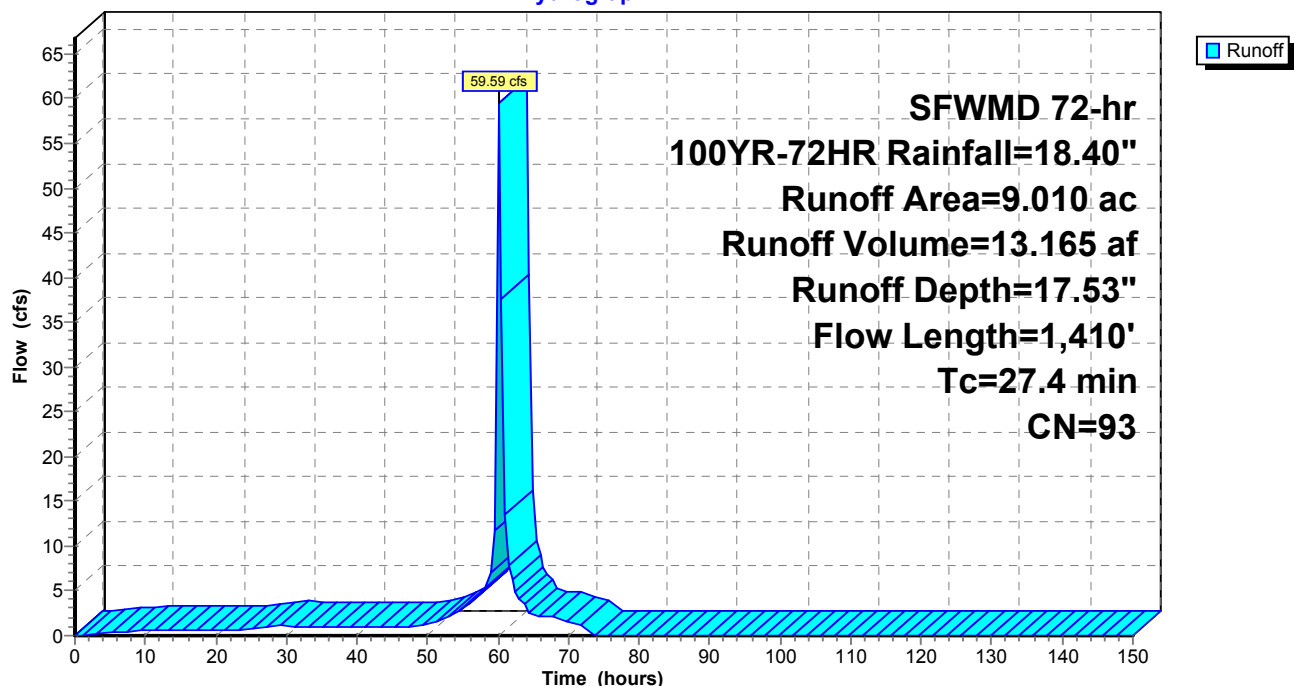
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Area (ac)	CN	Description
* 6.750	98	Gravel surface, HSG C
0.260	98	Roofs, HSG C
2.000	74	>75% Grass cover, Good, HSG C
9.010	93	Weighted Average
2.000		22.20% Pervious Area
7.010		77.80% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.4	260	0.0050	1.28		Sheet Flow, Overland Flow Smooth surfaces n= 0.011 P2= 5.70"
23.3	1,050	0.0025	0.75		Shallow Concentrated Flow, Grassed Ditch Grassed Waterway Kv= 15.0 fps
0.7	100	0.0025	2.27	1.78	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.013 Concrete pipe, bends & connections
27.4	1,410	Total			

Subcatchment 10S: SB-4

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 10S: SB-4

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	2.19	1.49	0.95
0.50	0.04	0.00	0.00	26.50	2.25	1.55	0.97
1.00	0.08	0.00	0.00	27.00	2.31	1.60	0.99
1.50	0.12	0.00	0.00	27.50	2.37	1.66	1.01
2.00	0.17	0.00	0.00	28.00	2.43	1.71	1.03
2.50	0.21	0.00	0.04	28.50	2.49	1.77	1.05
3.00	0.25	0.01	0.11	29.00	2.56	1.83	1.07
3.50	0.29	0.02	0.17	29.50	2.62	1.89	1.09
4.00	0.33	0.03	0.22	30.00	2.68	1.95	1.14
4.50	0.37	0.05	0.27	30.50	2.75	2.02	1.18
5.00	0.41	0.07	0.31	31.00	2.81	2.08	1.04
5.50	0.46	0.09	0.34	31.50	2.87	2.13	1.03
6.00	0.50	0.11	0.38	32.00	2.93	2.19	1.04
6.50	0.54	0.13	0.40	32.50	2.99	2.25	1.04
7.00	0.58	0.16	0.43	33.00	3.05	2.30	1.04
7.50	0.62	0.18	0.45	33.50	3.11	2.36	1.04
8.00	0.66	0.21	0.47	34.00	3.17	2.42	1.04
8.50	0.70	0.23	0.49	34.50	3.23	2.48	1.04
9.00	0.75	0.26	0.50	35.00	3.29	2.53	1.04
9.50	0.79	0.29	0.52	35.50	3.35	2.59	1.05
10.00	0.83	0.32	0.53	36.00	3.41	2.65	1.05
10.50	0.87	0.35	0.55	36.50	3.47	2.71	1.05
11.00	0.91	0.38	0.56	37.00	3.53	2.76	1.05
11.50	0.95	0.41	0.57	37.50	3.59	2.82	1.05
12.00	0.99	0.45	0.58	38.00	3.65	2.88	1.05
12.50	1.03	0.48	0.59	38.50	3.71	2.94	1.05
13.00	1.08	0.51	0.59	39.00	3.77	3.00	1.05
13.50	1.12	0.54	0.60	39.50	3.83	3.05	1.05
14.00	1.16	0.58	0.61	40.00	3.89	3.11	1.06
14.50	1.20	0.61	0.62	40.50	3.95	3.17	1.06
15.00	1.24	0.65	0.62	41.00	4.01	3.23	1.06
15.50	1.28	0.68	0.63	41.50	4.07	3.29	1.06
16.00	1.32	0.72	0.63	42.00	4.13	3.35	1.06
16.50	1.37	0.75	0.64	42.50	4.19	3.40	1.06
17.00	1.41	0.79	0.64	43.00	4.25	3.46	1.06
17.50	1.45	0.82	0.65	43.50	4.31	3.52	1.06
18.00	1.49	0.86	0.65	44.00	4.37	3.58	1.06
18.50	1.53	0.89	0.66	44.50	4.43	3.64	1.06
19.00	1.57	0.93	0.66	45.00	4.49	3.70	1.06
19.50	1.61	0.97	0.66	45.50	4.55	3.75	1.06
20.00	1.66	1.00	0.67	46.00	4.61	3.81	1.06
20.50	1.70	1.04	0.67	46.50	4.67	3.87	1.06
21.00	1.74	1.08	0.67	47.00	4.73	3.93	1.06
21.50	1.78	1.11	0.67	47.50	4.79	3.99	1.06
22.00	1.82	1.15	0.68	48.00	4.85	4.05	1.10
22.50	1.86	1.19	0.68	48.50	4.92	4.12	1.29
23.00	1.90	1.23	0.68	49.00	4.99	4.19	1.21
23.50	1.95	1.26	0.68	49.50	5.06	4.26	1.21
24.00	1.99	1.30	0.68	50.00	5.13	4.32	1.24
24.50	2.03	1.34	0.74	50.50	5.21	4.40	1.39
25.00	2.08	1.39	0.89	51.00	5.29	4.49	1.45
25.50	2.14	1.44	0.93	51.50	5.38	4.57	1.53

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 10S: SB-4 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	5.47	4.66	1.61	78.00	18.40	17.53	0.00
52.50	5.58	4.77	1.86	78.50	18.40	17.53	0.00
53.00	5.71	4.89	2.13	79.00	18.40	17.53	0.00
53.50	5.84	5.02	2.34	79.50	18.40	17.53	0.00
54.00	5.99	5.17	2.54	80.00	18.40	17.53	0.00
54.50	6.15	5.33	2.81	80.50	18.40	17.53	0.00
55.00	6.32	5.50	3.08	81.00	18.40	17.53	0.00
55.50	6.51	5.69	3.32	81.50	18.40	17.53	0.00
56.00	6.72	5.89	3.57	82.00	18.40	17.53	0.00
56.50	6.95	6.12	3.94	82.50	18.40	17.53	0.00
57.00	7.19	6.36	4.34	83.00	18.40	17.53	0.00
57.50	7.46	6.63	4.69	83.50	18.40	17.53	0.00
58.00	7.75	6.91	5.02	84.00	18.40	17.53	0.00
58.50	8.07	7.23	5.59	84.50	18.40	17.53	0.00
59.00	8.50	7.66	7.12	85.00	18.40	17.53	0.00
59.50	9.18	8.33	11.83	85.50	18.40	17.53	0.00
60.00	13.74	12.88	58.35	86.00	18.40	17.53	0.00
60.50	14.73	13.86	37.64	86.50	18.40	17.53	0.00
61.00	15.25	14.38	13.45	87.00	18.40	17.53	0.00
61.50	15.61	14.75	7.83	87.50	18.40	17.53	0.00
62.00	15.94	15.07	6.17	88.00	18.40	17.53	0.00
62.50	16.18	15.31	4.86	88.50	18.40	17.53	0.00
63.00	16.40	15.53	4.17	89.00	18.40	17.53	0.00
63.50	16.60	15.73	3.75	89.50	18.40	17.53	0.00
64.00	16.78	15.91	3.34	90.00	18.40	17.53	0.00
64.50	16.90	16.03	2.52	90.50	18.40	17.53	0.00
65.00	17.02	16.15	2.22	91.00	18.40	17.53	0.00
65.50	17.14	16.27	2.20	91.50	18.40	17.53	0.00
66.00	17.26	16.39	2.21	92.00	18.40	17.53	0.00
66.50	17.38	16.51	2.23	92.50	18.40	17.53	0.00
67.00	17.51	16.63	2.21	93.00	18.40	17.53	0.00
67.50	17.64	16.76	2.32	93.50	18.40	17.53	0.00
68.00	17.75	16.88	2.16	94.00	18.40	17.53	0.00
68.50	17.83	16.96	1.67	94.50	18.40	17.53	0.00
69.00	17.91	17.04	1.48	95.00	18.40	17.53	0.00
69.50	17.99	17.12	1.47	95.50	18.40	17.53	0.00
70.00	18.07	17.20	1.47	96.00	18.40	17.53	0.00
70.50	18.16	17.28	1.47	96.50	18.40	17.53	0.00
71.00	18.24	17.36	1.47	97.00	18.40	17.53	0.00
71.50	18.32	17.44	1.47	97.50	18.40	17.53	0.00
72.00	18.40	17.53	1.44	98.00	18.40	17.53	0.00
72.50	18.40	17.53	0.53	98.50	18.40	17.53	0.00
73.00	18.40	17.53	0.04	99.00	18.40	17.53	0.00
73.50	18.40	17.53	0.00	99.50	18.40	17.53	0.00
74.00	18.40	17.53	0.00	100.00	18.40	17.53	0.00
74.50	18.40	17.53	0.00	100.50	18.40	17.53	0.00
75.00	18.40	17.53	0.00	101.00	18.40	17.53	0.00
75.50	18.40	17.53	0.00	101.50	18.40	17.53	0.00
76.00	18.40	17.53	0.00	102.00	18.40	17.53	0.00
76.50	18.40	17.53	0.00	102.50	18.40	17.53	0.00
77.00	18.40	17.53	0.00	103.00	18.40	17.53	0.00
77.50	18.40	17.53	0.00	103.50	18.40	17.53	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 10S: SB-4 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	18.40	17.53	0.00	130.00	18.40	17.53	0.00
104.50	18.40	17.53	0.00	130.50	18.40	17.53	0.00
105.00	18.40	17.53	0.00	131.00	18.40	17.53	0.00
105.50	18.40	17.53	0.00	131.50	18.40	17.53	0.00
106.00	18.40	17.53	0.00	132.00	18.40	17.53	0.00
106.50	18.40	17.53	0.00	132.50	18.40	17.53	0.00
107.00	18.40	17.53	0.00	133.00	18.40	17.53	0.00
107.50	18.40	17.53	0.00	133.50	18.40	17.53	0.00
108.00	18.40	17.53	0.00	134.00	18.40	17.53	0.00
108.50	18.40	17.53	0.00	134.50	18.40	17.53	0.00
109.00	18.40	17.53	0.00	135.00	18.40	17.53	0.00
109.50	18.40	17.53	0.00	135.50	18.40	17.53	0.00
110.00	18.40	17.53	0.00	136.00	18.40	17.53	0.00
110.50	18.40	17.53	0.00	136.50	18.40	17.53	0.00
111.00	18.40	17.53	0.00	137.00	18.40	17.53	0.00
111.50	18.40	17.53	0.00	137.50	18.40	17.53	0.00
112.00	18.40	17.53	0.00	138.00	18.40	17.53	0.00
112.50	18.40	17.53	0.00	138.50	18.40	17.53	0.00
113.00	18.40	17.53	0.00	139.00	18.40	17.53	0.00
113.50	18.40	17.53	0.00	139.50	18.40	17.53	0.00
114.00	18.40	17.53	0.00	140.00	18.40	17.53	0.00
114.50	18.40	17.53	0.00	140.50	18.40	17.53	0.00
115.00	18.40	17.53	0.00	141.00	18.40	17.53	0.00
115.50	18.40	17.53	0.00	141.50	18.40	17.53	0.00
116.00	18.40	17.53	0.00	142.00	18.40	17.53	0.00
116.50	18.40	17.53	0.00	142.50	18.40	17.53	0.00
117.00	18.40	17.53	0.00	143.00	18.40	17.53	0.00
117.50	18.40	17.53	0.00	143.50	18.40	17.53	0.00
118.00	18.40	17.53	0.00	144.00	18.40	17.53	0.00
118.50	18.40	17.53	0.00	144.50	18.40	17.53	0.00
119.00	18.40	17.53	0.00	145.00	18.40	17.53	0.00
119.50	18.40	17.53	0.00	145.50	18.40	17.53	0.00
120.00	18.40	17.53	0.00	146.00	18.40	17.53	0.00
120.50	18.40	17.53	0.00	146.50	18.40	17.53	0.00
121.00	18.40	17.53	0.00	147.00	18.40	17.53	0.00
121.50	18.40	17.53	0.00	147.50	18.40	17.53	0.00
122.00	18.40	17.53	0.00	148.00	18.40	17.53	0.00
122.50	18.40	17.53	0.00	148.50	18.40	17.53	0.00
123.00	18.40	17.53	0.00	149.00	18.40	17.53	0.00
123.50	18.40	17.53	0.00	149.50	18.40	17.53	0.00
124.00	18.40	17.53	0.00	150.00	18.40	17.53	0.00
124.50	18.40	17.53	0.00				
125.00	18.40	17.53	0.00				
125.50	18.40	17.53	0.00				
126.00	18.40	17.53	0.00				
126.50	18.40	17.53	0.00				
127.00	18.40	17.53	0.00				
127.50	18.40	17.53	0.00				
128.00	18.40	17.53	0.00				
128.50	18.40	17.53	0.00				
129.00	18.40	17.53	0.00				
129.50	18.40	17.53	0.00				

Proposed Stormwater Model REV 1

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SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Summary for Subcatchment 11S: SB-5

Runoff = 30.07 cfs @ 59.95 hrs, Volume= 6.211 af, Depth=18.05"

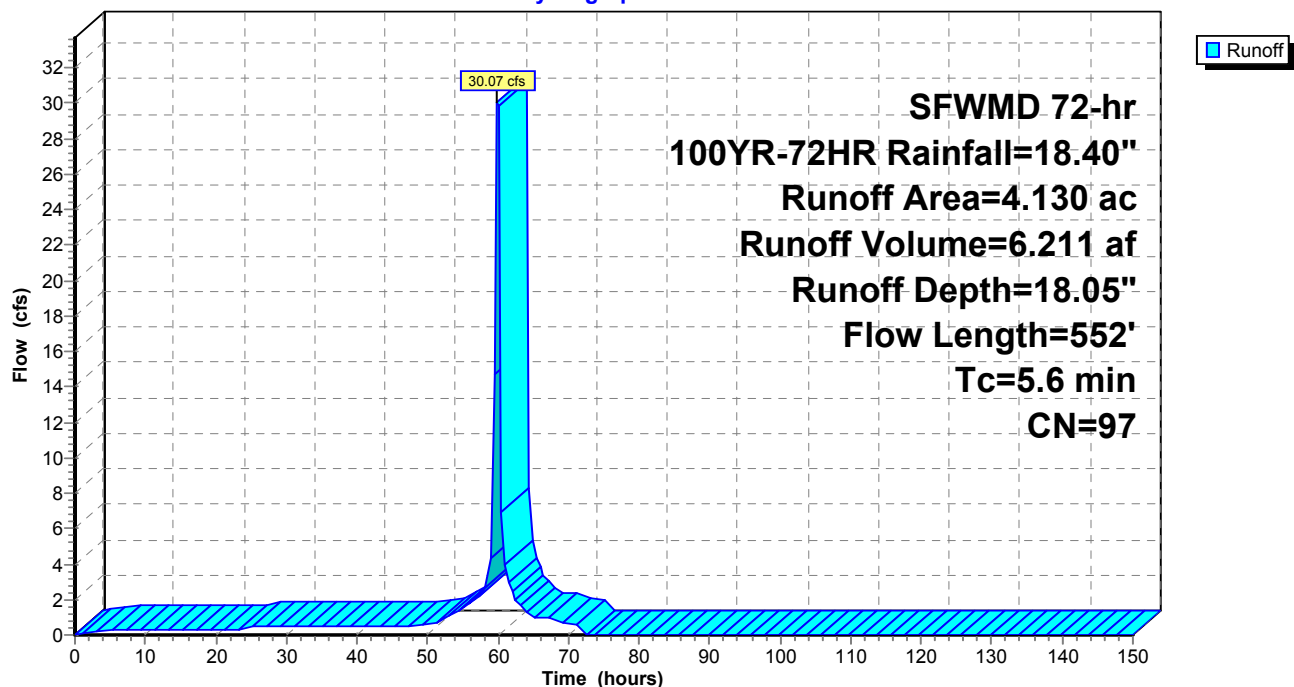
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Area (ac)	CN	Description
0.570	98	Roofs, HSG C
0.880	98	Paved parking, HSG C
* 0.560	98	Gravel surface, HSG C
0.170	74	>75% Grass cover, Good, HSG C
1.950	98	Water Surface, HSG C
4.130	97	Weighted Average
0.170		4.12% Pervious Area
3.960		95.88% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8	130	0.0020	0.77		Sheet Flow, Overland Flow Smooth surfaces n= 0.011 P2= 5.70"
2.8	422	0.0150	2.49		Shallow Concentrated Flow, Overland Flow Paved Kv= 20.3 fps
5.6	552	Total			

Subcatchment 11S: SB-5

Hydrograph



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 11S: SB-5

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	2.19	1.86	0.47
0.50	0.04	0.00	0.00	26.50	2.25	1.92	0.48
1.00	0.08	0.00	0.03	27.00	2.31	1.98	0.48
1.50	0.12	0.01	0.10	27.50	2.37	2.04	0.49
2.00	0.17	0.03	0.14	28.00	2.43	2.10	0.50
2.50	0.21	0.05	0.18	28.50	2.49	2.16	0.51
3.00	0.25	0.07	0.21	29.00	2.56	2.22	0.52
3.50	0.29	0.10	0.23	29.50	2.62	2.28	0.53
4.00	0.33	0.13	0.24	30.00	2.68	2.35	0.60
4.50	0.37	0.16	0.26	30.50	2.75	2.41	0.49
5.00	0.41	0.19	0.27	31.00	2.81	2.47	0.49
5.50	0.46	0.22	0.28	31.50	2.87	2.53	0.49
6.00	0.50	0.25	0.28	32.00	2.93	2.59	0.49
6.50	0.54	0.29	0.29	32.50	2.99	2.65	0.49
7.00	0.58	0.32	0.30	33.00	3.05	2.71	0.49
7.50	0.62	0.36	0.30	33.50	3.11	2.77	0.49
8.00	0.66	0.40	0.30	34.00	3.17	2.83	0.49
8.50	0.70	0.43	0.31	34.50	3.23	2.89	0.49
9.00	0.75	0.47	0.31	35.00	3.29	2.95	0.49
9.50	0.79	0.51	0.31	35.50	3.35	3.01	0.49
10.00	0.83	0.55	0.32	36.00	3.41	3.07	0.49
10.50	0.87	0.58	0.32	36.50	3.47	3.13	0.49
11.00	0.91	0.62	0.32	37.00	3.53	3.19	0.49
11.50	0.95	0.66	0.32	37.50	3.59	3.24	0.49
12.00	0.99	0.70	0.32	38.00	3.65	3.30	0.49
12.50	1.03	0.74	0.32	38.50	3.71	3.36	0.50
13.00	1.08	0.78	0.33	39.00	3.77	3.42	0.50
13.50	1.12	0.82	0.33	39.50	3.83	3.48	0.50
14.00	1.16	0.86	0.33	40.00	3.89	3.54	0.50
14.50	1.20	0.90	0.33	40.50	3.95	3.60	0.50
15.00	1.24	0.94	0.33	41.00	4.01	3.66	0.50
15.50	1.28	0.97	0.33	41.50	4.07	3.72	0.50
16.00	1.32	1.01	0.33	42.00	4.13	3.78	0.50
16.50	1.37	1.05	0.33	42.50	4.19	3.84	0.50
17.00	1.41	1.09	0.33	43.00	4.25	3.90	0.50
17.50	1.45	1.13	0.33	43.50	4.31	3.96	0.50
18.00	1.49	1.17	0.33	44.00	4.37	4.02	0.50
18.50	1.53	1.21	0.33	44.50	4.43	4.08	0.50
19.00	1.57	1.25	0.33	45.00	4.49	4.14	0.50
19.50	1.61	1.29	0.34	45.50	4.55	4.20	0.50
20.00	1.66	1.34	0.34	46.00	4.61	4.26	0.50
20.50	1.70	1.38	0.34	46.50	4.67	4.32	0.50
21.00	1.74	1.42	0.34	47.00	4.73	4.38	0.50
21.50	1.78	1.46	0.34	47.50	4.79	4.43	0.50
22.00	1.82	1.50	0.34	48.00	4.85	4.49	0.60
22.50	1.86	1.54	0.34	48.50	4.92	4.57	0.56
23.00	1.90	1.58	0.34	49.00	4.99	4.64	0.56
23.50	1.95	1.62	0.34	49.50	5.06	4.71	0.57
24.00	1.99	1.66	0.36	50.00	5.13	4.77	0.62
24.50	2.03	1.70	0.44	50.50	5.21	4.86	0.66
25.00	2.08	1.75	0.45	51.00	5.29	4.94	0.70
25.50	2.14	1.81	0.46	51.50	5.38	5.03	0.73

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 11S: SB-5 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	5.47	5.12	0.80	78.00	18.40	18.03	0.00
52.50	5.58	5.23	0.96	78.50	18.40	18.03	0.00
53.00	5.71	5.35	1.05	79.00	18.40	18.03	0.00
53.50	5.84	5.48	1.15	79.50	18.40	18.03	0.00
54.00	5.99	5.63	1.26	80.00	18.40	18.03	0.00
54.50	6.15	5.79	1.39	80.50	18.40	18.03	0.00
55.00	6.32	5.97	1.50	81.00	18.40	18.03	0.00
55.50	6.51	6.16	1.61	81.50	18.40	18.03	0.00
56.00	6.72	6.36	1.74	82.00	18.40	18.03	0.00
56.50	6.95	6.59	1.96	82.50	18.40	18.03	0.00
57.00	7.19	6.84	2.11	83.00	18.40	18.03	0.00
57.50	7.46	7.10	2.27	83.50	18.40	18.03	0.00
58.00	7.75	7.39	2.45	84.00	18.40	18.03	0.00
58.50	8.07	7.71	2.93	84.50	18.40	18.03	0.00
59.00	8.50	8.14	4.30	85.00	18.40	18.03	0.00
59.50	9.18	8.82	14.70	85.50	18.40	18.03	0.00
60.00	13.74	13.38	29.87	86.00	18.40	18.03	0.00
60.50	14.73	14.37	6.88	86.50	18.40	18.03	0.00
61.00	15.25	14.88	3.94	87.00	18.40	18.03	0.00
61.50	15.61	15.25	2.94	87.50	18.40	18.03	0.00
62.00	15.94	15.57	2.43	88.00	18.40	18.03	0.00
62.50	16.18	15.81	1.97	88.50	18.40	18.03	0.00
63.00	16.40	16.03	1.78	89.00	18.40	18.03	0.00
63.50	16.60	16.23	1.60	89.50	18.40	18.03	0.00
64.00	16.78	16.41	1.30	90.00	18.40	18.03	0.00
64.50	16.90	16.53	1.01	90.50	18.40	18.03	0.00
65.00	17.02	16.65	1.01	91.00	18.40	18.03	0.00
65.50	17.14	16.77	1.01	91.50	18.40	18.03	0.00
66.00	17.26	16.90	1.03	92.00	18.40	18.03	0.00
66.50	17.38	17.02	1.01	92.50	18.40	18.03	0.00
67.00	17.51	17.14	1.05	93.00	18.40	18.03	0.00
67.50	17.64	17.27	1.03	93.50	18.40	18.03	0.00
68.00	17.75	17.39	0.85	94.00	18.40	18.03	0.00
68.50	17.83	17.47	0.67	94.50	18.40	18.03	0.00
69.00	17.91	17.55	0.67	95.00	18.40	18.03	0.00
69.50	17.99	17.63	0.67	95.50	18.40	18.03	0.00
70.00	18.07	17.71	0.67	96.00	18.40	18.03	0.00
70.50	18.16	17.79	0.67	96.50	18.40	18.03	0.00
71.00	18.24	17.87	0.67	97.00	18.40	18.03	0.00
71.50	18.32	17.95	0.67	97.50	18.40	18.03	0.00
72.00	18.40	18.03	0.47	98.00	18.40	18.03	0.00
72.50	18.40	18.03	0.00	98.50	18.40	18.03	0.00
73.00	18.40	18.03	0.00	99.00	18.40	18.03	0.00
73.50	18.40	18.03	0.00	99.50	18.40	18.03	0.00
74.00	18.40	18.03	0.00	100.00	18.40	18.03	0.00
74.50	18.40	18.03	0.00	100.50	18.40	18.03	0.00
75.00	18.40	18.03	0.00	101.00	18.40	18.03	0.00
75.50	18.40	18.03	0.00	101.50	18.40	18.03	0.00
76.00	18.40	18.03	0.00	102.00	18.40	18.03	0.00
76.50	18.40	18.03	0.00	102.50	18.40	18.03	0.00
77.00	18.40	18.03	0.00	103.00	18.40	18.03	0.00
77.50	18.40	18.03	0.00	103.50	18.40	18.03	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 11S: SB-5 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	18.40	18.03	0.00	130.00	18.40	18.03	0.00
104.50	18.40	18.03	0.00	130.50	18.40	18.03	0.00
105.00	18.40	18.03	0.00	131.00	18.40	18.03	0.00
105.50	18.40	18.03	0.00	131.50	18.40	18.03	0.00
106.00	18.40	18.03	0.00	132.00	18.40	18.03	0.00
106.50	18.40	18.03	0.00	132.50	18.40	18.03	0.00
107.00	18.40	18.03	0.00	133.00	18.40	18.03	0.00
107.50	18.40	18.03	0.00	133.50	18.40	18.03	0.00
108.00	18.40	18.03	0.00	134.00	18.40	18.03	0.00
108.50	18.40	18.03	0.00	134.50	18.40	18.03	0.00
109.00	18.40	18.03	0.00	135.00	18.40	18.03	0.00
109.50	18.40	18.03	0.00	135.50	18.40	18.03	0.00
110.00	18.40	18.03	0.00	136.00	18.40	18.03	0.00
110.50	18.40	18.03	0.00	136.50	18.40	18.03	0.00
111.00	18.40	18.03	0.00	137.00	18.40	18.03	0.00
111.50	18.40	18.03	0.00	137.50	18.40	18.03	0.00
112.00	18.40	18.03	0.00	138.00	18.40	18.03	0.00
112.50	18.40	18.03	0.00	138.50	18.40	18.03	0.00
113.00	18.40	18.03	0.00	139.00	18.40	18.03	0.00
113.50	18.40	18.03	0.00	139.50	18.40	18.03	0.00
114.00	18.40	18.03	0.00	140.00	18.40	18.03	0.00
114.50	18.40	18.03	0.00	140.50	18.40	18.03	0.00
115.00	18.40	18.03	0.00	141.00	18.40	18.03	0.00
115.50	18.40	18.03	0.00	141.50	18.40	18.03	0.00
116.00	18.40	18.03	0.00	142.00	18.40	18.03	0.00
116.50	18.40	18.03	0.00	142.50	18.40	18.03	0.00
117.00	18.40	18.03	0.00	143.00	18.40	18.03	0.00
117.50	18.40	18.03	0.00	143.50	18.40	18.03	0.00
118.00	18.40	18.03	0.00	144.00	18.40	18.03	0.00
118.50	18.40	18.03	0.00	144.50	18.40	18.03	0.00
119.00	18.40	18.03	0.00	145.00	18.40	18.03	0.00
119.50	18.40	18.03	0.00	145.50	18.40	18.03	0.00
120.00	18.40	18.03	0.00	146.00	18.40	18.03	0.00
120.50	18.40	18.03	0.00	146.50	18.40	18.03	0.00
121.00	18.40	18.03	0.00	147.00	18.40	18.03	0.00
121.50	18.40	18.03	0.00	147.50	18.40	18.03	0.00
122.00	18.40	18.03	0.00	148.00	18.40	18.03	0.00
122.50	18.40	18.03	0.00	148.50	18.40	18.03	0.00
123.00	18.40	18.03	0.00	149.00	18.40	18.03	0.00
123.50	18.40	18.03	0.00	149.50	18.40	18.03	0.00
124.00	18.40	18.03	0.00	150.00	18.40	18.03	0.00
124.50	18.40	18.03	0.00				
125.00	18.40	18.03	0.00				
125.50	18.40	18.03	0.00				
126.00	18.40	18.03	0.00				
126.50	18.40	18.03	0.00				
127.00	18.40	18.03	0.00				
127.50	18.40	18.03	0.00				
128.00	18.40	18.03	0.00				
128.50	18.40	18.03	0.00				
129.00	18.40	18.03	0.00				
129.50	18.40	18.03	0.00				

Proposed Stormwater Model REV 1

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SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Summary for Subcatchment 17S: SB-6 (fuel unloading area)

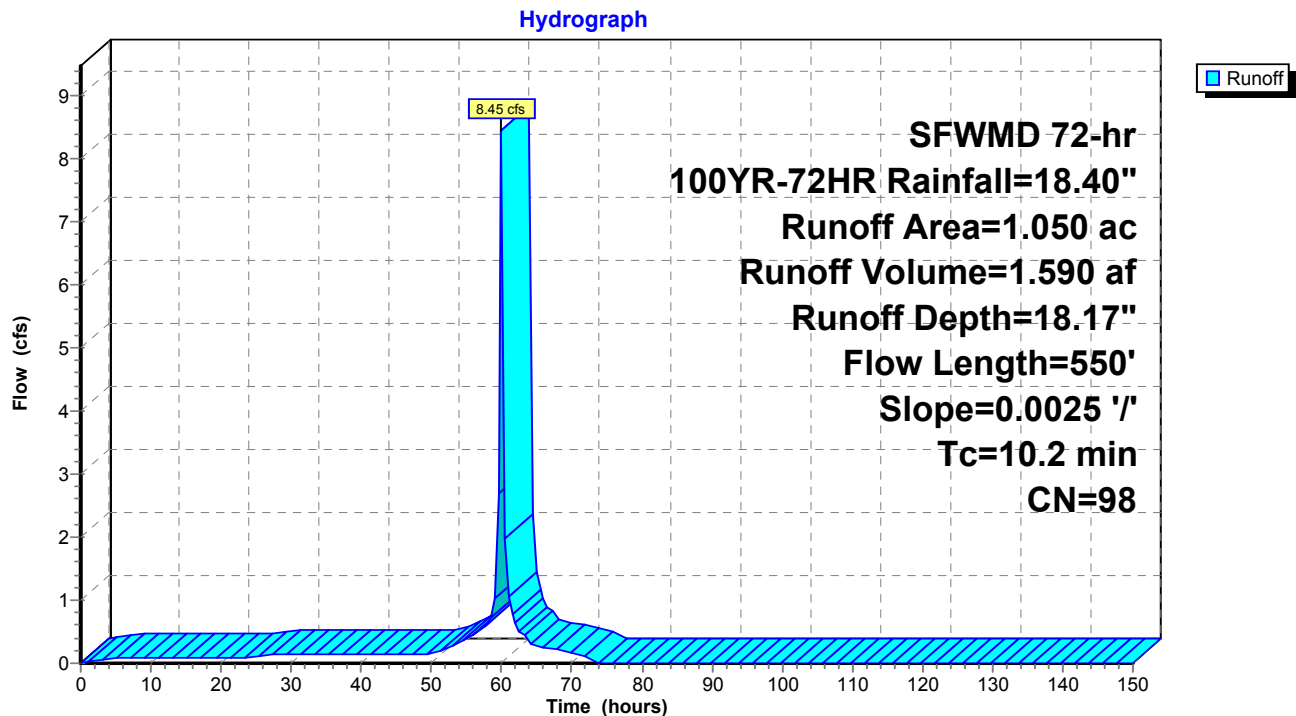
Runoff = 8.45 cfs @ 59.98 hrs, Volume= 1.590 af, Depth=18.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Area (ac)	CN	Description
* 0.690	98	Gravel surface, HSG C
* 0.360	98	Paved road, HSG C
1.050	98	Weighted Average
1.050		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	300	0.0025	1.00		Sheet Flow, Overland Smooth surfaces n= 0.011 P2= 5.70"
5.2	250	0.0025	0.80		Shallow Concentrated Flow, Overland Unpaved Kv= 16.1 fps
10.2	550	Total			

Subcatchment 17S: SB-6 (fuel unloading area)



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 17S: SB-6 (fuel unloading area)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	26.00	2.19	1.97	0.12
0.50	0.04	0.00	0.00	26.50	2.25	2.02	0.12
1.00	0.08	0.01	0.02	27.00	2.31	2.08	0.12
1.50	0.12	0.02	0.04	27.50	2.37	2.14	0.13
2.00	0.17	0.05	0.05	28.00	2.43	2.20	0.13
2.50	0.21	0.07	0.06	28.50	2.49	2.26	0.13
3.00	0.25	0.10	0.06	29.00	2.56	2.33	0.13
3.50	0.29	0.14	0.07	29.50	2.62	2.39	0.13
4.00	0.33	0.17	0.07	30.00	2.68	2.45	0.15
4.50	0.37	0.21	0.07	30.50	2.75	2.52	0.13
5.00	0.41	0.24	0.08	31.00	2.81	2.58	0.13
5.50	0.46	0.28	0.08	31.50	2.87	2.64	0.13
6.00	0.50	0.32	0.08	32.00	2.93	2.70	0.13
6.50	0.54	0.35	0.08	32.50	2.99	2.76	0.13
7.00	0.58	0.39	0.08	33.00	3.05	2.82	0.13
7.50	0.62	0.43	0.08	33.50	3.11	2.88	0.13
8.00	0.66	0.47	0.08	34.00	3.17	2.94	0.13
8.50	0.70	0.51	0.08	34.50	3.23	3.00	0.13
9.00	0.75	0.55	0.08	35.00	3.29	3.06	0.13
9.50	0.79	0.59	0.08	35.50	3.35	3.12	0.13
10.00	0.83	0.63	0.08	36.00	3.41	3.18	0.13
10.50	0.87	0.66	0.08	36.50	3.47	3.24	0.13
11.00	0.91	0.70	0.08	37.00	3.53	3.30	0.13
11.50	0.95	0.74	0.08	37.50	3.59	3.36	0.13
12.00	0.99	0.78	0.08	38.00	3.65	3.42	0.13
12.50	1.03	0.82	0.09	38.50	3.71	3.48	0.13
13.00	1.08	0.87	0.09	39.00	3.77	3.54	0.13
13.50	1.12	0.91	0.09	39.50	3.83	3.60	0.13
14.00	1.16	0.95	0.09	40.00	3.89	3.66	0.13
14.50	1.20	0.99	0.09	40.50	3.95	3.71	0.13
15.00	1.24	1.03	0.09	41.00	4.01	3.77	0.13
15.50	1.28	1.07	0.09	41.50	4.07	3.83	0.13
16.00	1.32	1.11	0.09	42.00	4.13	3.89	0.13
16.50	1.37	1.15	0.09	42.50	4.19	3.95	0.13
17.00	1.41	1.19	0.09	43.00	4.25	4.01	0.13
17.50	1.45	1.23	0.09	43.50	4.31	4.07	0.13
18.00	1.49	1.27	0.09	44.00	4.37	4.13	0.13
18.50	1.53	1.31	0.09	44.50	4.43	4.19	0.13
19.00	1.57	1.35	0.09	45.00	4.49	4.25	0.13
19.50	1.61	1.39	0.09	45.50	4.55	4.31	0.13
20.00	1.66	1.43	0.09	46.00	4.61	4.37	0.13
20.50	1.70	1.47	0.09	46.50	4.67	4.43	0.13
21.00	1.74	1.52	0.09	47.00	4.73	4.49	0.13
21.50	1.78	1.56	0.09	47.50	4.79	4.55	0.13
22.00	1.82	1.60	0.09	48.00	4.85	4.61	0.15
22.50	1.86	1.64	0.09	48.50	4.92	4.69	0.14
23.00	1.90	1.68	0.09	49.00	4.99	4.75	0.14
23.50	1.95	1.72	0.09	49.50	5.06	4.82	0.14
24.00	1.99	1.76	0.09	50.00	5.13	4.89	0.16
24.50	2.03	1.80	0.11	50.50	5.21	4.97	0.17
25.00	2.08	1.86	0.12	51.00	5.29	5.06	0.18
25.50	2.14	1.91	0.12	51.50	5.38	5.14	0.19

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 17S: SB-6 (fuel unloading area) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
52.00	5.47	5.23	0.20	78.00	18.40	18.16	0.00
52.50	5.58	5.34	0.24	78.50	18.40	18.16	0.00
53.00	5.71	5.47	0.27	79.00	18.40	18.16	0.00
53.50	5.84	5.60	0.29	79.50	18.40	18.16	0.00
54.00	5.99	5.75	0.31	80.00	18.40	18.16	0.00
54.50	6.15	5.91	0.35	80.50	18.40	18.16	0.00
55.00	6.32	6.09	0.38	81.00	18.40	18.16	0.00
55.50	6.51	6.28	0.41	81.50	18.40	18.16	0.00
56.00	6.72	6.48	0.44	82.00	18.40	18.16	0.00
56.50	6.95	6.71	0.49	82.50	18.40	18.16	0.00
57.00	7.19	6.95	0.53	83.00	18.40	18.16	0.00
57.50	7.46	7.22	0.57	83.50	18.40	18.16	0.00
58.00	7.75	7.51	0.61	84.00	18.40	18.16	0.00
58.50	8.07	7.83	0.72	84.50	18.40	18.16	0.00
59.00	8.50	8.26	1.02	85.00	18.40	18.16	0.00
59.50	9.18	8.94	2.70	85.50	18.40	18.16	0.00
60.00	13.74	13.50	8.45	86.00	18.40	18.16	0.00
60.50	14.73	14.49	1.97	86.50	18.40	18.16	0.00
61.00	15.25	15.00	1.05	87.00	18.40	18.16	0.00
61.50	15.61	15.37	0.77	87.50	18.40	18.16	0.00
62.00	15.94	15.70	0.64	88.00	18.40	18.16	0.00
62.50	16.18	15.94	0.51	88.50	18.40	18.16	0.00
63.00	16.40	16.16	0.46	89.00	18.40	18.16	0.00
63.50	16.60	16.36	0.41	89.50	18.40	18.16	0.00
64.00	16.78	16.53	0.35	90.00	18.40	18.16	0.00
64.50	16.90	16.65	0.26	90.50	18.40	18.16	0.00
65.00	17.02	16.78	0.26	91.00	18.40	18.16	0.00
65.50	17.14	16.90	0.26	91.50	18.40	18.16	0.00
66.00	17.26	17.02	0.26	92.00	18.40	18.16	0.00
66.50	17.38	17.14	0.26	92.50	18.40	18.16	0.00
67.00	17.51	17.26	0.26	93.00	18.40	18.16	0.00
67.50	17.64	17.39	0.27	93.50	18.40	18.16	0.00
68.00	17.75	17.51	0.23	94.00	18.40	18.16	0.00
68.50	17.83	17.59	0.17	94.50	18.40	18.16	0.00
69.00	17.91	17.67	0.17	95.00	18.40	18.16	0.00
69.50	17.99	17.75	0.17	95.50	18.40	18.16	0.00
70.00	18.07	17.83	0.17	96.00	18.40	18.16	0.00
70.50	18.16	17.91	0.17	96.50	18.40	18.16	0.00
71.00	18.24	17.99	0.17	97.00	18.40	18.16	0.00
71.50	18.32	18.07	0.17	97.50	18.40	18.16	0.00
72.00	18.40	18.16	0.14	98.00	18.40	18.16	0.00
72.50	18.40	18.16	0.00	98.50	18.40	18.16	0.00
73.00	18.40	18.16	0.00	99.00	18.40	18.16	0.00
73.50	18.40	18.16	0.00	99.50	18.40	18.16	0.00
74.00	18.40	18.16	0.00	100.00	18.40	18.16	0.00
74.50	18.40	18.16	0.00	100.50	18.40	18.16	0.00
75.00	18.40	18.16	0.00	101.00	18.40	18.16	0.00
75.50	18.40	18.16	0.00	101.50	18.40	18.16	0.00
76.00	18.40	18.16	0.00	102.00	18.40	18.16	0.00
76.50	18.40	18.16	0.00	102.50	18.40	18.16	0.00
77.00	18.40	18.16	0.00	103.00	18.40	18.16	0.00
77.50	18.40	18.16	0.00	103.50	18.40	18.16	0.00

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Subcatchment 17S: SB-6 (fuel unloading area) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
104.00	18.40	18.16	0.00	130.00	18.40	18.16	0.00
104.50	18.40	18.16	0.00	130.50	18.40	18.16	0.00
105.00	18.40	18.16	0.00	131.00	18.40	18.16	0.00
105.50	18.40	18.16	0.00	131.50	18.40	18.16	0.00
106.00	18.40	18.16	0.00	132.00	18.40	18.16	0.00
106.50	18.40	18.16	0.00	132.50	18.40	18.16	0.00
107.00	18.40	18.16	0.00	133.00	18.40	18.16	0.00
107.50	18.40	18.16	0.00	133.50	18.40	18.16	0.00
108.00	18.40	18.16	0.00	134.00	18.40	18.16	0.00
108.50	18.40	18.16	0.00	134.50	18.40	18.16	0.00
109.00	18.40	18.16	0.00	135.00	18.40	18.16	0.00
109.50	18.40	18.16	0.00	135.50	18.40	18.16	0.00
110.00	18.40	18.16	0.00	136.00	18.40	18.16	0.00
110.50	18.40	18.16	0.00	136.50	18.40	18.16	0.00
111.00	18.40	18.16	0.00	137.00	18.40	18.16	0.00
111.50	18.40	18.16	0.00	137.50	18.40	18.16	0.00
112.00	18.40	18.16	0.00	138.00	18.40	18.16	0.00
112.50	18.40	18.16	0.00	138.50	18.40	18.16	0.00
113.00	18.40	18.16	0.00	139.00	18.40	18.16	0.00
113.50	18.40	18.16	0.00	139.50	18.40	18.16	0.00
114.00	18.40	18.16	0.00	140.00	18.40	18.16	0.00
114.50	18.40	18.16	0.00	140.50	18.40	18.16	0.00
115.00	18.40	18.16	0.00	141.00	18.40	18.16	0.00
115.50	18.40	18.16	0.00	141.50	18.40	18.16	0.00
116.00	18.40	18.16	0.00	142.00	18.40	18.16	0.00
116.50	18.40	18.16	0.00	142.50	18.40	18.16	0.00
117.00	18.40	18.16	0.00	143.00	18.40	18.16	0.00
117.50	18.40	18.16	0.00	143.50	18.40	18.16	0.00
118.00	18.40	18.16	0.00	144.00	18.40	18.16	0.00
118.50	18.40	18.16	0.00	144.50	18.40	18.16	0.00
119.00	18.40	18.16	0.00	145.00	18.40	18.16	0.00
119.50	18.40	18.16	0.00	145.50	18.40	18.16	0.00
120.00	18.40	18.16	0.00	146.00	18.40	18.16	0.00
120.50	18.40	18.16	0.00	146.50	18.40	18.16	0.00
121.00	18.40	18.16	0.00	147.00	18.40	18.16	0.00
121.50	18.40	18.16	0.00	147.50	18.40	18.16	0.00
122.00	18.40	18.16	0.00	148.00	18.40	18.16	0.00
122.50	18.40	18.16	0.00	148.50	18.40	18.16	0.00
123.00	18.40	18.16	0.00	149.00	18.40	18.16	0.00
123.50	18.40	18.16	0.00	149.50	18.40	18.16	0.00
124.00	18.40	18.16	0.00	150.00	18.40	18.16	0.00
124.50	18.40	18.16	0.00				
125.00	18.40	18.16	0.00				
125.50	18.40	18.16	0.00				
126.00	18.40	18.16	0.00				
126.50	18.40	18.16	0.00				
127.00	18.40	18.16	0.00				
127.50	18.40	18.16	0.00				
128.00	18.40	18.16	0.00				
128.50	18.40	18.16	0.00				
129.00	18.40	18.16	0.00				
129.50	18.40	18.16	0.00				

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Summary for Pond 2P: Pond 3

Inflow Area = 3.790 ac, 100.00% Impervious, Inflow Depth = 18.17" for 100YR-72HR event
Inflow = 30.89 cfs @ 59.99 hrs, Volume= 5.738 af
Outflow = 3.68 cfs @ 63.98 hrs, Volume= 5.643 af, Atten= 88%, Lag= 239.3 min
Primary = 3.68 cfs @ 63.98 hrs, Volume= 5.643 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
Peak Elev= 8.58' @ 61.58 hrs Surf.Area= 0 sf Storage= 121,331 cf

Plug-Flow detention time= 618.2 min calculated for 5.643 af (98% of inflow)
Center-of-Mass det. time= 598.6 min (3,701.3 - 3,102.7)

Volume	Invert	Avail.Storage	Storage Description
#1	4.50'	135,718 cf	Custom Stage Data Listed below

Elevation (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
4.50	0	0
5.00	12,339	12,339
6.00	27,146	39,485
7.00	29,565	69,050
8.00	32,054	101,104
9.00	34,614	135,718

Device	Routing	Invert	Outlet Devices
#1	Primary	4.50'	12.0" Round Culvert L= 100.0' RCP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 4.50' / 3.75' S= 0.0075 ' / Cc= 0.900 n= 0.013 Concrete, trowel finish, Flow Area= 0.79 sf

Primary OutFlow Max=3.81 cfs @ 63.98 hrs HW=8.19' TW=6.42' (Dynamic Tailwater)
↑ **1=Culvert** (Outlet Controls 3.81 cfs @ 4.85 fps)

Proposed Stormwater Model REV 1

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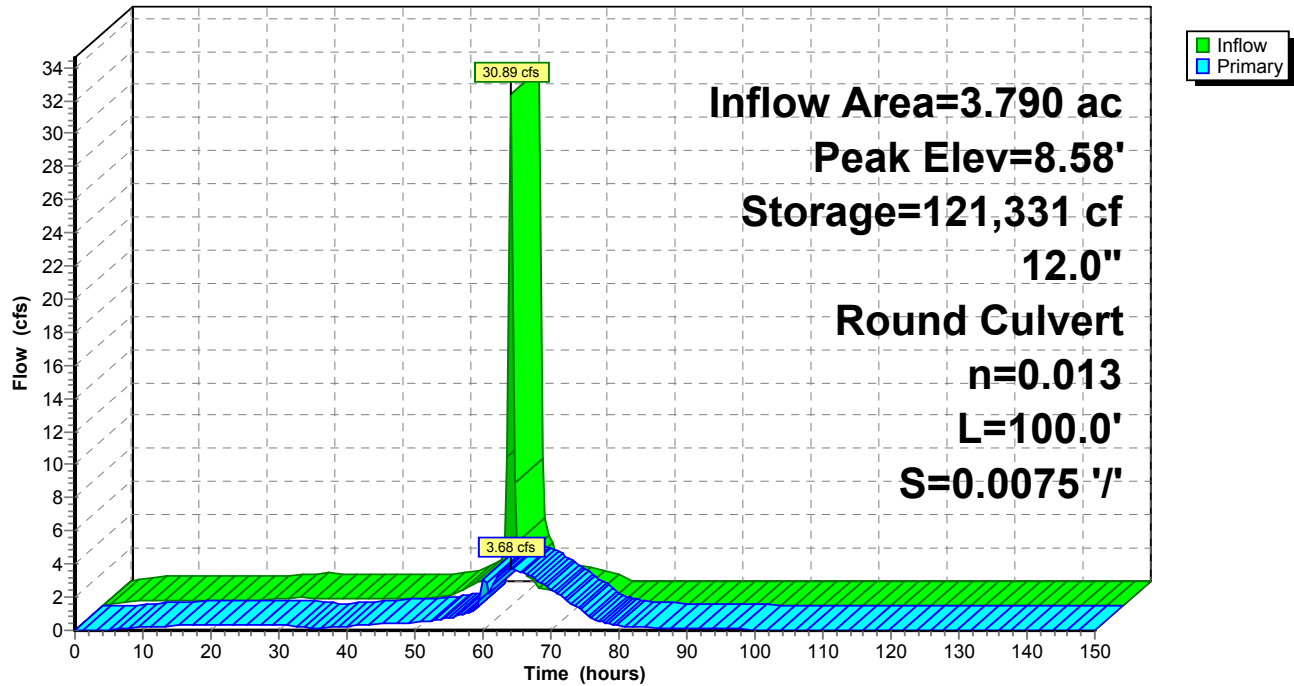
SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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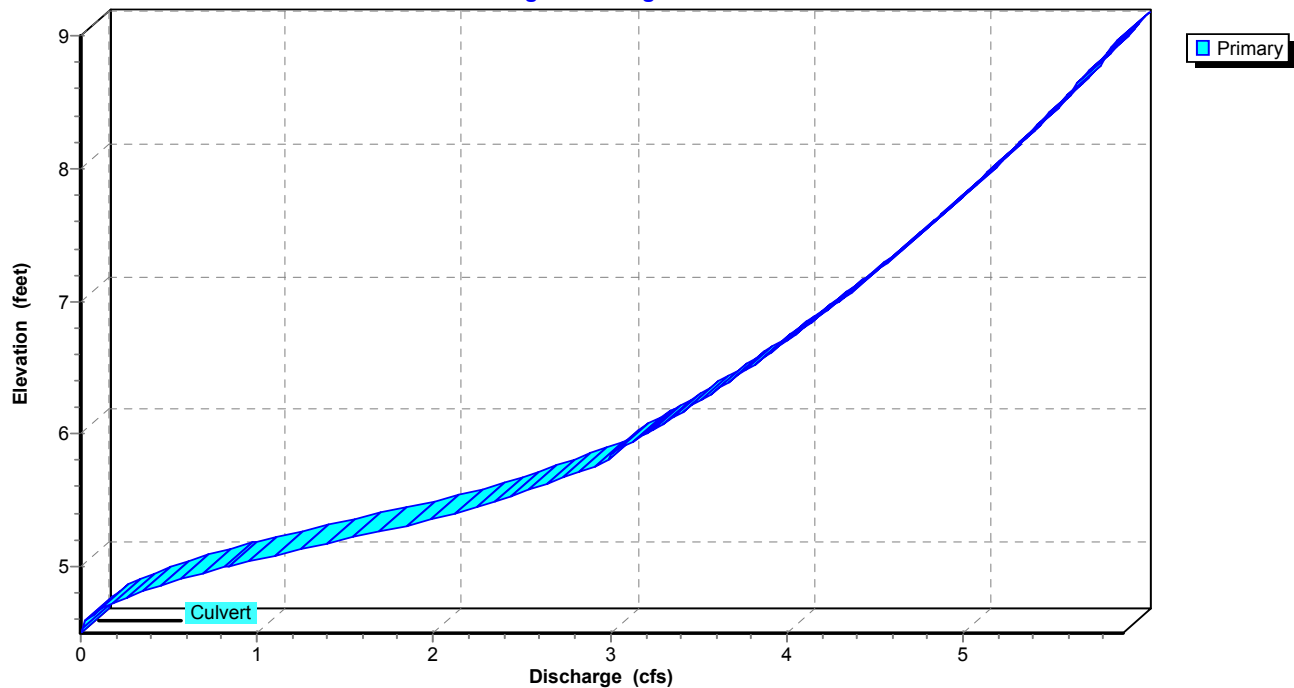
Pond 2P: Pond 3

Hydrograph



Pond 2P: Pond 3

Stage-Discharge



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

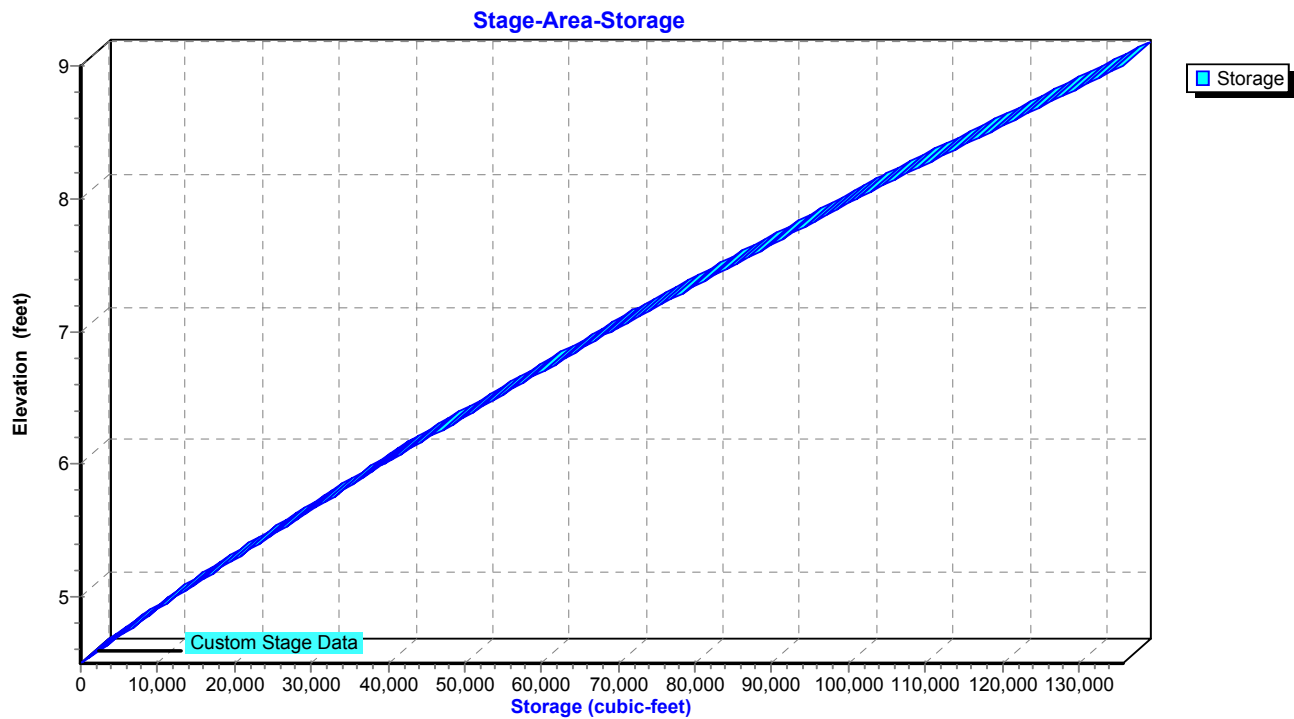
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Pond 2P: Pond 3



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 2P: Pond 3

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
0.00	0.00	0	4.50	0.00	0.000
0.50	0.00	3	4.50	0.00	0.000
1.00	0.07	67	4.50	0.00	0.000
1.50	0.14	252	4.51	0.00	0.000
2.00	0.18	539	4.52	0.00	0.000
2.50	0.21	889	4.54	0.00	0.000
3.00	0.23	1,277	4.55	0.01	0.001
3.50	0.25	1,688	4.57	0.02	0.001
4.00	0.26	2,107	4.59	0.02	0.002
4.50	0.27	2,527	4.60	0.04	0.004
5.00	0.27	2,937	4.62	0.05	0.006
5.50	0.28	3,334	4.64	0.06	0.008
6.00	0.28	3,711	4.65	0.08	0.012
6.50	0.29	4,066	4.66	0.10	0.016
7.00	0.29	4,398	4.68	0.11	0.021
7.50	0.29	4,704	4.69	0.13	0.026
8.00	0.30	4,985	4.70	0.15	0.032
8.50	0.30	5,240	4.71	0.16	0.039
9.00	0.30	5,472	4.72	0.18	0.046
9.50	0.30	5,680	4.73	0.19	0.054
10.00	0.30	5,867	4.74	0.20	0.063
10.50	0.30	6,035	4.74	0.22	0.071
11.00	0.30	6,183	4.75	0.23	0.081
11.50	0.31	6,316	4.76	0.24	0.091
12.00	0.31	6,433	4.76	0.25	0.101
12.50	0.31	6,536	4.76	0.25	0.111
13.00	0.31	6,628	4.77	0.26	0.122
13.50	0.31	6,708	4.77	0.27	0.133
14.00	0.31	6,779	4.77	0.27	0.144
14.50	0.31	6,841	4.78	0.28	0.156
15.00	0.31	6,898	4.78	0.28	0.167
15.50	0.31	6,952	4.78	0.28	0.179
16.00	0.31	7,006	4.78	0.28	0.190
16.50	0.31	7,060	4.79	0.28	0.202
17.00	0.31	7,115	4.79	0.28	0.214
17.50	0.31	7,169	4.79	0.28	0.225
18.00	0.31	7,224	4.79	0.28	0.237
18.50	0.31	7,279	4.79	0.28	0.248
19.00	0.31	7,335	4.80	0.28	0.260
19.50	0.31	7,392	4.80	0.28	0.272
20.00	0.31	7,450	4.80	0.28	0.283
20.50	0.31	7,510	4.80	0.28	0.295
21.00	0.31	7,571	4.81	0.28	0.306
21.50	0.31	7,634	4.81	0.28	0.318
22.00	0.31	7,698	4.81	0.28	0.329
22.50	0.31	7,764	4.81	0.28	0.340
23.00	0.31	7,833	4.82	0.27	0.352
23.50	0.31	7,904	4.82	0.27	0.363
24.00	0.31	7,977	4.82	0.27	0.374
24.50	0.40	8,128	4.83	0.28	0.386
25.00	0.42	8,359	4.84	0.29	0.398
25.50	0.42	8,594	4.85	0.29	0.410

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 2P: Pond 3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
26.00	0.43	8,832	4.86	0.30	0.422
26.50	0.44	9,073	4.87	0.30	0.435
27.00	0.45	9,319	4.88	0.31	0.447
27.50	0.45	9,572	4.89	0.31	0.460
28.00	0.46	9,834	4.90	0.31	0.473
28.50	0.47	10,107	4.91	0.32	0.486
29.00	0.48	10,392	4.92	0.32	0.499
29.50	0.49	10,694	4.93	0.31	0.512
30.00	0.54	11,056	4.95	0.31	0.525
30.50	0.47	11,406	4.96	0.31	0.538
31.00	0.45	11,696	4.97	0.29	0.550
31.50	0.45	12,001	4.99	0.28	0.562
32.00	0.46	12,334	5.00	0.26	0.572
32.50	0.46	12,703	5.01	0.24	0.582
33.00	0.46	13,116	5.03	0.21	0.591
33.50	0.46	13,580	5.05	0.18	0.599
34.00	0.46	14,093	5.06	0.16	0.605
34.50	0.46	14,654	5.09	0.13	0.610
35.00	0.46	15,256	5.11	0.11	0.615
35.50	0.46	15,882	5.13	0.10	0.619
36.00	0.46	16,509	5.15	0.11	0.624
36.50	0.46	17,119	5.18	0.12	0.629
37.00	0.46	17,699	5.20	0.14	0.635
37.50	0.46	18,247	5.22	0.16	0.642
38.00	0.46	18,760	5.24	0.18	0.649
38.50	0.46	19,239	5.25	0.20	0.657
39.00	0.46	19,685	5.27	0.22	0.666
39.50	0.46	20,098	5.29	0.23	0.676
40.00	0.46	20,481	5.30	0.25	0.686
40.50	0.46	20,834	5.31	0.27	0.697
41.00	0.46	21,159	5.32	0.28	0.709
41.50	0.46	21,459	5.34	0.30	0.721
42.00	0.46	21,733	5.35	0.31	0.734
42.50	0.46	21,985	5.36	0.32	0.747
43.00	0.46	22,216	5.36	0.33	0.761
43.50	0.46	22,427	5.37	0.34	0.775
44.00	0.46	22,620	5.38	0.35	0.790
44.50	0.46	22,796	5.39	0.36	0.805
45.00	0.46	22,957	5.39	0.37	0.820
45.50	0.46	23,103	5.40	0.38	0.836
46.00	0.46	23,237	5.40	0.39	0.852
46.50	0.46	23,358	5.41	0.39	0.868
47.00	0.46	23,469	5.41	0.40	0.885
47.50	0.46	23,569	5.41	0.40	0.901
48.00	0.53	23,715	5.42	0.42	0.919
48.50	0.52	23,895	5.43	0.43	0.936
49.00	0.52	24,056	5.43	0.43	0.954
49.50	0.52	24,215	5.44	0.43	0.972
50.00	0.56	24,396	5.44	0.45	0.990
50.50	0.61	24,626	5.45	0.46	1.010
51.00	0.64	24,895	5.46	0.48	1.029
51.50	0.67	25,197	5.47	0.49	1.050

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 2P: Pond 3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
52.00	0.71	25,545	5.49	0.51	1.071
52.50	0.87	26,022	5.50	0.54	1.093
53.00	0.95	26,644	5.53	0.58	1.117
53.50	1.04	27,362	5.55	0.61	1.142
54.00	1.13	28,186	5.58	0.64	1.169
54.50	1.26	29,135	5.62	0.69	1.198
55.00	1.36	30,204	5.66	0.74	1.228
55.50	1.46	31,370	5.70	0.79	1.261
56.00	1.57	32,632	5.75	0.84	1.296
56.50	1.77	34,065	5.80	0.90	1.333
57.00	1.92	35,716	5.86	0.95	1.372
57.50	2.06	37,526	5.93	1.02	1.414
58.00	2.21	39,462	6.00	1.10	1.460
58.50	2.57	41,716	6.08	1.18	1.508
59.00	3.61	45,007	6.19	1.34	1.564
59.50	9.04	53,528	6.48	1.84	1.640
60.00	30.88	85,084	7.50	3.02	1.765
60.50	7.43	114,256	8.38	2.87	1.884
61.00	3.84	119,830	8.54	2.20	1.975
61.50	2.78	121,303	8.58	2.78	2.090
62.00	2.35	120,534	8.56	3.20	2.222
62.50	1.84	118,324	8.50	3.44	2.364
63.00	1.67	115,154	8.41	3.59	2.512
63.50	1.50	111,477	8.30	3.66	2.664
64.00	1.27	107,357	8.18	3.68	2.816
64.50	0.94	102,733	8.05	3.66	2.967
65.00	0.93	97,868	7.90	3.61	3.116
65.50	0.93	93,104	7.75	3.54	3.262
66.00	0.94	88,489	7.61	3.46	3.405
66.50	0.93	84,042	7.47	3.36	3.544
67.00	0.95	79,794	7.34	3.25	3.678
67.50	0.97	75,777	7.21	3.13	3.808
68.00	0.83	71,860	7.09	3.01	3.932
68.50	0.62	67,864	6.96	2.88	4.051
69.00	0.62	63,924	6.83	2.74	4.164
69.50	0.62	60,223	6.70	2.61	4.272
70.00	0.62	56,763	6.58	2.47	4.374
70.50	0.62	53,548	6.48	2.34	4.471
71.00	0.62	50,577	6.38	2.20	4.562
71.50	0.62	47,850	6.28	2.07	4.647
72.00	0.52	45,282	6.20	1.93	4.727
72.50	0.02	42,443	6.10	1.77	4.800
73.00	0.00	39,413	6.00	1.62	4.867
73.50	0.00	36,622	5.89	1.48	4.928
74.00	0.00	34,031	5.80	1.39	4.986
74.50	0.00	31,672	5.71	1.23	5.036
75.00	0.00	29,629	5.64	1.04	5.080
75.50	0.00	27,901	5.57	0.88	5.116
76.00	0.00	26,441	5.52	0.74	5.147
76.50	0.00	25,200	5.47	0.64	5.173
77.00	0.00	24,131	5.43	0.55	5.196
77.50	0.00	23,200	5.40	0.48	5.216

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 2P: Pond 3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
78.00	0.00	22,378	5.37	0.43	5.233
78.50	0.00	21,646	5.34	0.38	5.249
79.00	0.00	20,987	5.32	0.35	5.264
79.50	0.00	20,391	5.30	0.32	5.277
80.00	0.00	19,847	5.28	0.29	5.289
80.50	0.00	19,349	5.26	0.26	5.299
81.00	0.00	18,891	5.24	0.24	5.310
81.50	0.00	18,468	5.23	0.23	5.319
82.00	0.00	18,076	5.21	0.21	5.328
82.50	0.00	17,713	5.20	0.19	5.336
83.00	0.00	17,374	5.19	0.18	5.343
83.50	0.00	17,058	5.17	0.17	5.350
84.00	0.00	16,762	5.16	0.16	5.357
84.50	0.00	16,485	5.15	0.15	5.363
85.00	0.00	16,224	5.14	0.14	5.369
85.50	0.00	15,979	5.13	0.13	5.374
86.00	0.00	15,748	5.13	0.12	5.379
86.50	0.00	15,529	5.12	0.12	5.384
87.00	0.00	15,322	5.11	0.11	5.389
87.50	0.00	15,126	5.10	0.11	5.393
88.00	0.00	14,939	5.10	0.10	5.397
88.50	0.00	14,762	5.09	0.10	5.401
89.00	0.00	14,593	5.08	0.09	5.405
89.50	0.00	14,431	5.08	0.09	5.409
90.00	0.00	14,276	5.07	0.08	5.412
90.50	0.00	14,128	5.07	0.08	5.416
91.00	0.00	13,986	5.06	0.08	5.419
91.50	0.00	13,849	5.06	0.07	5.422
92.00	0.00	13,718	5.05	0.07	5.425
92.50	0.00	13,591	5.05	0.07	5.428
93.00	0.00	13,468	5.04	0.07	5.430
93.50	0.00	13,349	5.04	0.06	5.433
94.00	0.00	13,234	5.03	0.06	5.436
94.50	0.00	13,123	5.03	0.06	5.438
95.00	0.00	13,014	5.02	0.06	5.441
95.50	0.00	12,908	5.02	0.06	5.443
96.00	0.00	12,805	5.02	0.06	5.445
96.50	0.00	12,703	5.01	0.06	5.448
97.00	0.00	12,604	5.01	0.05	5.450
97.50	0.00	12,507	5.01	0.05	5.452
98.00	0.00	12,410	5.00	0.05	5.454
98.50	0.00	12,313	5.00	0.05	5.457
99.00	0.00	12,216	5.00	0.05	5.459
99.50	0.00	12,121	4.99	0.05	5.461
100.00	0.00	12,027	4.99	0.05	5.463
100.50	0.00	11,934	4.98	0.05	5.465
101.00	0.00	11,841	4.98	0.05	5.467
101.50	0.00	11,748	4.98	0.05	5.470
102.00	0.00	11,656	4.97	0.05	5.472
102.50	0.00	11,563	4.97	0.05	5.474
103.00	0.00	11,471	4.96	0.05	5.476
103.50	0.00	11,378	4.96	0.05	5.478

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 2P: Pond 3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
104.00	0.00	11,286	4.96	0.05	5.480
104.50	0.00	11,194	4.95	0.05	5.482
105.00	0.00	11,103	4.95	0.05	5.484
105.50	0.00	11,011	4.95	0.05	5.486
106.00	0.00	10,920	4.94	0.05	5.489
106.50	0.00	10,828	4.94	0.05	5.491
107.00	0.00	10,737	4.94	0.05	5.493
107.50	0.00	10,646	4.93	0.05	5.495
108.00	0.00	10,555	4.93	0.05	5.497
108.50	0.00	10,465	4.92	0.05	5.499
109.00	0.00	10,374	4.92	0.05	5.501
109.50	0.00	10,284	4.92	0.05	5.503
110.00	0.00	10,194	4.91	0.05	5.505
110.50	0.00	10,104	4.91	0.05	5.507
111.00	0.00	10,015	4.91	0.05	5.509
111.50	0.00	9,925	4.90	0.05	5.511
112.00	0.00	9,836	4.90	0.05	5.513
112.50	0.00	9,747	4.89	0.05	5.515
113.00	0.00	9,658	4.89	0.05	5.517
113.50	0.00	9,569	4.89	0.05	5.520
114.00	0.00	9,481	4.88	0.05	5.522
114.50	0.00	9,393	4.88	0.05	5.524
115.00	0.00	9,305	4.88	0.05	5.526
115.50	0.00	9,217	4.87	0.05	5.528
116.00	0.00	9,130	4.87	0.05	5.530
116.50	0.00	9,043	4.87	0.05	5.532
117.00	0.00	8,956	4.86	0.05	5.534
117.50	0.00	8,869	4.86	0.05	5.536
118.00	0.00	8,783	4.86	0.05	5.538
118.50	0.00	8,696	4.85	0.05	5.540
119.00	0.00	8,611	4.85	0.05	5.541
119.50	0.00	8,525	4.85	0.05	5.543
120.00	0.00	8,440	4.84	0.05	5.545
120.50	0.00	8,355	4.84	0.05	5.547
121.00	0.00	8,270	4.84	0.05	5.549
121.50	0.00	8,186	4.83	0.05	5.551
122.00	0.00	8,102	4.83	0.05	5.553
122.50	0.00	8,018	4.82	0.05	5.555
123.00	0.00	7,935	4.82	0.05	5.557
123.50	0.00	7,852	4.82	0.05	5.559
124.00	0.00	7,770	4.81	0.05	5.561
124.50	0.00	7,687	4.81	0.05	5.563
125.00	0.00	7,606	4.81	0.05	5.565
125.50	0.00	7,524	4.80	0.05	5.566
126.00	0.00	7,443	4.80	0.04	5.568
126.50	0.00	7,363	4.80	0.04	5.570
127.00	0.00	7,282	4.80	0.04	5.572
127.50	0.00	7,203	4.79	0.04	5.574
128.00	0.00	7,123	4.79	0.04	5.576
128.50	0.00	7,044	4.79	0.04	5.577
129.00	0.00	6,966	4.78	0.04	5.579
129.50	0.00	6,888	4.78	0.04	5.581

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 2P: Pond 3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
130.00	0.00	6,810	4.78	0.04	5.583
130.50	0.00	6,733	4.77	0.04	5.584
131.00	0.00	6,657	4.77	0.04	5.586
131.50	0.00	6,580	4.77	0.04	5.588
132.00	0.00	6,505	4.76	0.04	5.590
132.50	0.00	6,430	4.76	0.04	5.591
133.00	0.00	6,355	4.76	0.04	5.593
133.50	0.00	6,281	4.75	0.04	5.595
134.00	0.00	6,208	4.75	0.04	5.597
134.50	0.00	6,135	4.75	0.04	5.598
135.00	0.00	6,062	4.75	0.04	5.600
135.50	0.00	5,991	4.74	0.04	5.601
136.00	0.00	5,919	4.74	0.04	5.603
136.50	0.00	5,849	4.74	0.04	5.605
137.00	0.00	5,778	4.73	0.04	5.606
137.50	0.00	5,709	4.73	0.04	5.608
138.00	0.00	5,640	4.73	0.04	5.609
138.50	0.00	5,572	4.73	0.04	5.611
139.00	0.00	5,504	4.72	0.04	5.613
139.50	0.00	5,437	4.72	0.04	5.614
140.00	0.00	5,371	4.72	0.04	5.616
140.50	0.00	5,305	4.71	0.04	5.617
141.00	0.00	5,240	4.71	0.04	5.619
141.50	0.00	5,175	4.71	0.04	5.620
142.00	0.00	5,111	4.71	0.04	5.622
142.50	0.00	5,048	4.70	0.03	5.623
143.00	0.00	4,985	4.70	0.03	5.624
143.50	0.00	4,923	4.70	0.03	5.626
144.00	0.00	4,862	4.70	0.03	5.627
144.50	0.00	4,802	4.69	0.03	5.629
145.00	0.00	4,742	4.69	0.03	5.630
145.50	0.00	4,682	4.69	0.03	5.631
146.00	0.00	4,624	4.69	0.03	5.633
146.50	0.00	4,566	4.69	0.03	5.634
147.00	0.00	4,509	4.68	0.03	5.635
147.50	0.00	4,452	4.68	0.03	5.637
148.00	0.00	4,396	4.68	0.03	5.638
148.50	0.00	4,341	4.68	0.03	5.639
149.00	0.00	4,286	4.67	0.03	5.640
149.50	0.00	4,232	4.67	0.03	5.642
150.00	0.00	4,179	4.67	0.03	5.643

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Stage-Discharge for Pond 2P: Pond 3

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
4.50	0.00	5.02	0.89	5.54	2.45	6.06	3.28
4.51	0.00	5.03	0.92	5.55	2.47	6.07	3.29
4.52	0.00	5.04	0.96	5.56	2.50	6.08	3.30
4.53	0.00	5.05	0.99	5.57	2.52	6.09	3.32
4.54	0.00	5.06	1.02	5.58	2.54	6.10	3.33
4.55	0.01	5.07	1.05	5.59	2.56	6.11	3.34
4.56	0.01	5.08	1.08	5.60	2.58	6.12	3.35
4.57	0.02	5.09	1.11	5.61	2.61	6.13	3.37
4.58	0.02	5.10	1.14	5.62	2.63	6.14	3.38
4.59	0.03	5.11	1.18	5.63	2.65	6.15	3.39
4.60	0.03	5.12	1.21	5.64	2.67	6.16	3.40
4.61	0.04	5.13	1.24	5.65	2.69	6.17	3.41
4.62	0.05	5.14	1.28	5.66	2.71	6.18	3.43
4.63	0.06	5.15	1.31	5.67	2.73	6.19	3.44
4.64	0.07	5.16	1.34	5.68	2.75	6.20	3.45
4.65	0.08	5.17	1.38	5.69	2.77	6.21	3.46
4.66	0.09	5.18	1.41	5.70	2.79	6.22	3.47
4.67	0.10	5.19	1.44	5.71	2.81	6.23	3.49
4.68	0.12	5.20	1.48	5.72	2.83	6.24	3.50
4.69	0.13	5.21	1.51	5.73	2.85	6.25	3.51
4.70	0.14	5.22	1.54	5.74	2.87	6.26	3.52
4.71	0.16	5.23	1.58	5.75	2.89	6.27	3.53
4.72	0.18	5.24	1.61	5.76	2.91	6.28	3.54
4.73	0.19	5.25	1.64	5.77	2.93	6.29	3.56
4.74	0.21	5.26	1.68	5.78	2.95	6.30	3.57
4.75	0.23	5.27	1.71	5.79	2.97	6.31	3.58
4.76	0.24	5.28	1.74	5.80	2.98	6.32	3.59
4.77	0.26	5.29	1.78	5.81	3.00	6.33	3.60
4.78	0.28	5.30	1.81	5.82	3.02	6.34	3.61
4.79	0.30	5.31	1.84	5.83	3.02	6.35	3.62
4.80	0.32	5.32	1.88	5.84	2.99	6.36	3.64
4.81	0.34	5.33	1.91	5.85	3.00	6.37	3.65
4.82	0.37	5.34	1.94	5.86	3.02	6.38	3.66
4.83	0.39	5.35	1.97	5.87	3.03	6.39	3.67
4.84	0.41	5.36	2.00	5.88	3.05	6.40	3.68
4.85	0.43	5.37	2.03	5.89	3.06	6.41	3.69
4.86	0.46	5.38	2.06	5.90	3.07	6.42	3.70
4.87	0.48	5.39	2.09	5.91	3.09	6.43	3.71
4.88	0.51	5.40	2.12	5.92	3.10	6.44	3.72
4.89	0.53	5.41	2.15	5.93	3.11	6.45	3.74
4.90	0.56	5.42	2.18	5.94	3.13	6.46	3.75
4.91	0.58	5.43	2.21	5.95	3.14	6.47	3.76
4.92	0.61	5.44	2.23	5.96	3.15	6.48	3.77
4.93	0.64	5.45	2.26	5.97	3.16	6.49	3.78
4.94	0.66	5.46	2.28	5.98	3.18	6.50	3.79
4.95	0.69	5.47	2.30	5.99	3.19	6.51	3.80
4.96	0.72	5.48	2.32	6.00	3.20	6.52	3.81
4.97	0.75	5.49	2.34	6.01	3.22	6.53	3.82
4.98	0.78	5.50	2.36	6.02	3.23	6.54	3.83
4.99	0.80	5.51	2.38	6.03	3.24	6.55	3.84
5.00	0.83	5.52	2.41	6.04	3.25	6.56	3.85
5.01	0.86	5.53	2.43	6.05	3.27	6.57	3.87

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Stage-Discharge for Pond 2P: Pond 3 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
6.58	3.88	7.10	4.39	7.62	4.85	8.14	5.27
6.59	3.89	7.11	4.40	7.63	4.86	8.15	5.28
6.60	3.90	7.12	4.41	7.64	4.87	8.16	5.29
6.61	3.91	7.13	4.42	7.65	4.88	8.17	5.30
6.62	3.92	7.14	4.43	7.66	4.89	8.18	5.31
6.63	3.93	7.15	4.44	7.67	4.90	8.19	5.31
6.64	3.94	7.16	4.45	7.68	4.90	8.20	5.32
6.65	3.95	7.17	4.46	7.69	4.91	8.21	5.33
6.66	3.96	7.18	4.47	7.70	4.92	8.22	5.34
6.67	3.97	7.19	4.48	7.71	4.93	8.23	5.34
6.68	3.98	7.20	4.48	7.72	4.94	8.24	5.35
6.69	3.99	7.21	4.49	7.73	4.95	8.25	5.36
6.70	4.00	7.22	4.50	7.74	4.95	8.26	5.37
6.71	4.01	7.23	4.51	7.75	4.96	8.27	5.38
6.72	4.02	7.24	4.52	7.76	4.97	8.28	5.38
6.73	4.03	7.25	4.53	7.77	4.98	8.29	5.39
6.74	4.04	7.26	4.54	7.78	4.99	8.30	5.40
6.75	4.05	7.27	4.55	7.79	5.00	8.31	5.41
6.76	4.06	7.28	4.56	7.80	5.00	8.32	5.41
6.77	4.07	7.29	4.57	7.81	5.01	8.33	5.42
6.78	4.08	7.30	4.58	7.82	5.02	8.34	5.43
6.79	4.09	7.31	4.58	7.83	5.03	8.35	5.44
6.80	4.10	7.32	4.59	7.84	5.04	8.36	5.44
6.81	4.11	7.33	4.60	7.85	5.04	8.37	5.45
6.82	4.12	7.34	4.61	7.86	5.05	8.38	5.46
6.83	4.13	7.35	4.62	7.87	5.06	8.39	5.47
6.84	4.14	7.36	4.63	7.88	5.07	8.40	5.47
6.85	4.15	7.37	4.64	7.89	5.08	8.41	5.48
6.86	4.16	7.38	4.65	7.90	5.08	8.42	5.49
6.87	4.17	7.39	4.66	7.91	5.09	8.43	5.50
6.88	4.18	7.40	4.66	7.92	5.10	8.44	5.50
6.89	4.19	7.41	4.67	7.93	5.11	8.45	5.51
6.90	4.20	7.42	4.68	7.94	5.12	8.46	5.52
6.91	4.21	7.43	4.69	7.95	5.13	8.47	5.53
6.92	4.22	7.44	4.70	7.96	5.13	8.48	5.53
6.93	4.23	7.45	4.71	7.97	5.14	8.49	5.54
6.94	4.24	7.46	4.72	7.98	5.15	8.50	5.55
6.95	4.25	7.47	4.73	7.99	5.16	8.51	5.56
6.96	4.26	7.48	4.73	8.00	5.16	8.52	5.56
6.97	4.27	7.49	4.74	8.01	5.17	8.53	5.57
6.98	4.28	7.50	4.75	8.02	5.18	8.54	5.58
6.99	4.29	7.51	4.76	8.03	5.19	8.55	5.58
7.00	4.30	7.52	4.77	8.04	5.20	8.56	5.59
7.01	4.31	7.53	4.78	8.05	5.20	8.57	5.60
7.02	4.32	7.54	4.79	8.06	5.21	8.58	5.61
7.03	4.33	7.55	4.79	8.07	5.22	8.59	5.61
7.04	4.34	7.56	4.80	8.08	5.23	8.60	5.62
7.05	4.34	7.57	4.81	8.09	5.24	8.61	5.63
7.06	4.35	7.58	4.82	8.10	5.24	8.62	5.64
7.07	4.36	7.59	4.83	8.11	5.25	8.63	5.64
7.08	4.37	7.60	4.84	8.12	5.26	8.64	5.65
7.09	4.38	7.61	4.85	8.13	5.27	8.65	5.66

Proposed Stormwater Model REV 1

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Stage-Discharge for Pond 2P: Pond 3 (continued)

Elevation (feet)	Primary (cfs)
8.66	5.67
8.67	5.67
8.68	5.68
8.69	5.69
8.70	5.69
8.71	5.70
8.72	5.71
8.73	5.72
8.74	5.72
8.75	5.73
8.76	5.74
8.77	5.74
8.78	5.75
8.79	5.76
8.80	5.77
8.81	5.77
8.82	5.78
8.83	5.79
8.84	5.79
8.85	5.80
8.86	5.81
8.87	5.82
8.88	5.82
8.89	5.83
8.90	5.84
8.91	5.84
8.92	5.85
8.93	5.86
8.94	5.86
8.95	5.87
8.96	5.88
8.97	5.89
8.98	5.89
8.99	5.90
9.00	5.91

Proposed Stormwater Model REV 1

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Stage-Area-Storage for Pond 2P: Pond 3

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
4.50	0	5.02	12,882	5.54	26,998
4.51	247	5.03	13,153	5.55	27,269
4.52	494	5.04	13,425	5.56	27,541
4.53	740	5.05	13,696	5.57	27,812
4.54	987	5.06	13,968	5.58	28,084
4.55	1,234	5.07	14,239	5.59	28,355
4.56	1,481	5.08	14,511	5.60	28,627
4.57	1,727	5.09	14,782	5.61	28,898
4.58	1,974	5.10	15,054	5.62	29,170
4.59	2,221	5.11	15,325	5.63	29,441
4.60	2,468	5.12	15,597	5.64	29,712
4.61	2,715	5.13	15,868	5.65	29,984
4.62	2,961	5.14	16,139	5.66	30,255
4.63	3,208	5.15	16,411	5.67	30,527
4.64	3,455	5.16	16,682	5.68	30,798
4.65	3,702	5.17	16,954	5.69	31,070
4.66	3,948	5.18	17,225	5.70	31,341
4.67	4,195	5.19	17,497	5.71	31,613
4.68	4,442	5.20	17,768	5.72	31,884
4.69	4,689	5.21	18,040	5.73	32,156
4.70	4,936	5.22	18,311	5.74	32,427
4.71	5,182	5.23	18,583	5.75	32,699
4.72	5,429	5.24	18,854	5.76	32,970
4.73	5,676	5.25	19,126	5.77	33,241
4.74	5,923	5.26	19,397	5.78	33,513
4.75	6,170	5.27	19,668	5.79	33,784
4.76	6,416	5.28	19,940	5.80	34,056
4.77	6,663	5.29	20,211	5.81	34,327
4.78	6,910	5.30	20,483	5.82	34,599
4.79	7,157	5.31	20,754	5.83	34,870
4.80	7,403	5.32	21,026	5.84	35,142
4.81	7,650	5.33	21,297	5.85	35,413
4.82	7,897	5.34	21,569	5.86	35,685
4.83	8,144	5.35	21,840	5.87	35,956
4.84	8,391	5.36	22,112	5.88	36,227
4.85	8,637	5.37	22,383	5.89	36,499
4.86	8,884	5.38	22,654	5.90	36,770
4.87	9,131	5.39	22,926	5.91	37,042
4.88	9,378	5.40	23,197	5.92	37,313
4.89	9,624	5.41	23,469	5.93	37,585
4.90	9,871	5.42	23,740	5.94	37,856
4.91	10,118	5.43	24,012	5.95	38,128
4.92	10,365	5.44	24,283	5.96	38,399
4.93	10,612	5.45	24,555	5.97	38,671
4.94	10,858	5.46	24,826	5.98	38,942
4.95	11,105	5.47	25,098	5.99	39,214
4.96	11,352	5.48	25,369	6.00	39,485
4.97	11,599	5.49	25,641	6.01	39,781
4.98	11,845	5.50	25,912	6.02	40,076
4.99	12,092	5.51	26,183	6.03	40,372
5.00	12,339	5.52	26,455	6.04	40,668
5.01	12,610	5.53	26,726	6.05	40,963

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Stage-Area-Storage for Pond 2P: Pond 3 (continued)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
6.06	41,259	6.58	56,633	7.10	72,255
6.07	41,555	6.59	56,928	7.11	72,576
6.08	41,850	6.60	57,224	7.12	72,896
6.09	42,146	6.61	57,520	7.13	73,217
6.10	42,441	6.62	57,815	7.14	73,538
6.11	42,737	6.63	58,111	7.15	73,858
6.12	43,033	6.64	58,407	7.16	74,179
6.13	43,328	6.65	58,702	7.17	74,499
6.14	43,624	6.66	58,998	7.18	74,820
6.15	43,920	6.67	59,294	7.19	75,140
6.16	44,215	6.68	59,589	7.20	75,461
6.17	44,511	6.69	59,885	7.21	75,781
6.18	44,807	6.70	60,181	7.22	76,102
6.19	45,102	6.71	60,476	7.23	76,422
6.20	45,398	6.72	60,772	7.24	76,743
6.21	45,694	6.73	61,067	7.25	77,064
6.22	45,989	6.74	61,363	7.26	77,384
6.23	46,285	6.75	61,659	7.27	77,705
6.24	46,581	6.76	61,954	7.28	78,025
6.25	46,876	6.77	62,250	7.29	78,346
6.26	47,172	6.78	62,546	7.30	78,666
6.27	47,468	6.79	62,841	7.31	78,987
6.28	47,763	6.80	63,137	7.32	79,307
6.29	48,059	6.81	63,433	7.33	79,628
6.30	48,354	6.82	63,728	7.34	79,948
6.31	48,650	6.83	64,024	7.35	80,269
6.32	48,946	6.84	64,320	7.36	80,589
6.33	49,241	6.85	64,615	7.37	80,910
6.34	49,537	6.86	64,911	7.38	81,231
6.35	49,833	6.87	65,207	7.39	81,551
6.36	50,128	6.88	65,502	7.40	81,872
6.37	50,424	6.89	65,798	7.41	82,192
6.38	50,720	6.90	66,094	7.42	82,513
6.39	51,015	6.91	66,389	7.43	82,833
6.40	51,311	6.92	66,685	7.44	83,154
6.41	51,607	6.93	66,980	7.45	83,474
6.42	51,902	6.94	67,276	7.46	83,795
6.43	52,198	6.95	67,572	7.47	84,115
6.44	52,494	6.96	67,867	7.48	84,436
6.45	52,789	6.97	68,163	7.49	84,756
6.46	53,085	6.98	68,459	7.50	85,077
6.47	53,381	6.99	68,754	7.51	85,398
6.48	53,676	7.00	69,050	7.52	85,718
6.49	53,972	7.01	69,371	7.53	86,039
6.50	54,268	7.02	69,691	7.54	86,359
6.51	54,563	7.03	70,012	7.55	86,680
6.52	54,859	7.04	70,332	7.56	87,000
6.53	55,154	7.05	70,653	7.57	87,321
6.54	55,450	7.06	70,973	7.58	87,641
6.55	55,746	7.07	71,294	7.59	87,962
6.56	56,041	7.08	71,614	7.60	88,282
6.57	56,337	7.09	71,935	7.61	88,603

Proposed Stormwater Model REV 1

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Stage-Area-Storage for Pond 2P: Pond 3 (continued)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
7.62	88,923	8.14	105,950	8.66	123,949
7.63	89,244	8.15	106,296	8.67	124,295
7.64	89,565	8.16	106,642	8.68	124,642
7.65	89,885	8.17	106,988	8.69	124,988
7.66	90,206	8.18	107,335	8.70	125,334
7.67	90,526	8.19	107,681	8.71	125,680
7.68	90,847	8.20	108,027	8.72	126,026
7.69	91,167	8.21	108,373	8.73	126,372
7.70	91,488	8.22	108,719	8.74	126,718
7.71	91,808	8.23	109,065	8.75	127,065
7.72	92,129	8.24	109,411	8.76	127,411
7.73	92,449	8.25	109,758	8.77	127,757
7.74	92,770	8.26	110,104	8.78	128,103
7.75	93,091	8.27	110,450	8.79	128,449
7.76	93,411	8.28	110,796	8.80	128,795
7.77	93,732	8.29	111,142	8.81	129,141
7.78	94,052	8.30	111,488	8.82	129,487
7.79	94,373	8.31	111,834	8.83	129,834
7.80	94,693	8.32	112,180	8.84	130,180
7.81	95,014	8.33	112,527	8.85	130,526
7.82	95,334	8.34	112,873	8.86	130,872
7.83	95,655	8.35	113,219	8.87	131,218
7.84	95,975	8.36	113,565	8.88	131,564
7.85	96,296	8.37	113,911	8.89	131,910
7.86	96,616	8.38	114,257	8.90	132,257
7.87	96,937	8.39	114,603	8.91	132,603
7.88	97,258	8.40	114,950	8.92	132,949
7.89	97,578	8.41	115,296	8.93	133,295
7.90	97,899	8.42	115,642	8.94	133,641
7.91	98,219	8.43	115,988	8.95	133,987
7.92	98,540	8.44	116,334	8.96	134,333
7.93	98,860	8.45	116,680	8.97	134,680
7.94	99,181	8.46	117,026	8.98	135,026
7.95	99,501	8.47	117,373	8.99	135,372
7.96	99,822	8.48	117,719	9.00	135,718
7.97	100,142	8.49	118,065		
7.98	100,463	8.50	118,411		
7.99	100,783	8.51	118,757		
8.00	101,104	8.52	119,103		
8.01	101,450	8.53	119,449		
8.02	101,796	8.54	119,796		
8.03	102,142	8.55	120,142		
8.04	102,489	8.56	120,488		
8.05	102,835	8.57	120,834		
8.06	103,181	8.58	121,180		
8.07	103,527	8.59	121,526		
8.08	103,873	8.60	121,872		
8.09	104,219	8.61	122,219		
8.10	104,565	8.62	122,565		
8.11	104,912	8.63	122,911		
8.12	105,258	8.64	123,257		
8.13	105,604	8.65	123,603		

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Summary for Pond 3P: Pond 1

Inflow Area = 25.530 ac, 84.29% Impervious, Inflow Depth > 17.61" for 100YR-72HR event
Inflow = 169.25 cfs @ 59.98 hrs, Volume= 37.469 af
Outflow = 68.09 cfs @ 60.57 hrs, Volume= 34.432 af, Atten= 60%, Lag= 35.3 min
Primary = 68.09 cfs @ 60.57 hrs, Volume= 34.432 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
Peak Elev= 7.96' @ 60.57 hrs Surf.Area= 0 sf Storage= 619,749 cf

Plug-Flow detention time= 688.7 min calculated for 34.432 af (92% of inflow)
Center-of-Mass det. time= 577.1 min (3,815.5 - 3,238.4)

Volume	Invert	Avail.Storage	Storage Description
#1	3.50'	795,016 cf	Custom Stage Data Listed below

Elevation (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
3.50	0	0
4.00	55,823	55,823
5.00	127,594	183,417
6.00	138,375	321,792
7.00	147,509	469,301
8.00	156,703	626,004
9.00	169,012	795,016

Device	Routing	Invert	Outlet Devices
#1	Primary	8.00'	6.0' long x 1.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 Coef. (English) 2.69 2.72 2.75 2.85 2.98 3.08 3.20 3.28 3.31 3.30 3.31 3.32
#2	Primary	5.00'	53.2 deg x 3.0' long Sharp-Crested Vee/Trap Weir Cv= 2.54 (C= 3.17)
#3	Primary	2.50'	2.0" Vert. Orifice/Grate X 2.00 C= 0.600

Primary OutFlow Max=66.02 cfs @ 60.57 hrs HW=7.91' TW=0.00' (Dynamic Tailwater)

1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)
2=Sharp-Crested Vee/Trap Weir (Weir Controls 65.53 cfs @ 5.06 fps)
3=Orifice/Grate (Orifice Controls 0.48 cfs @ 11.11 fps)

Proposed Stormwater Model REV 1

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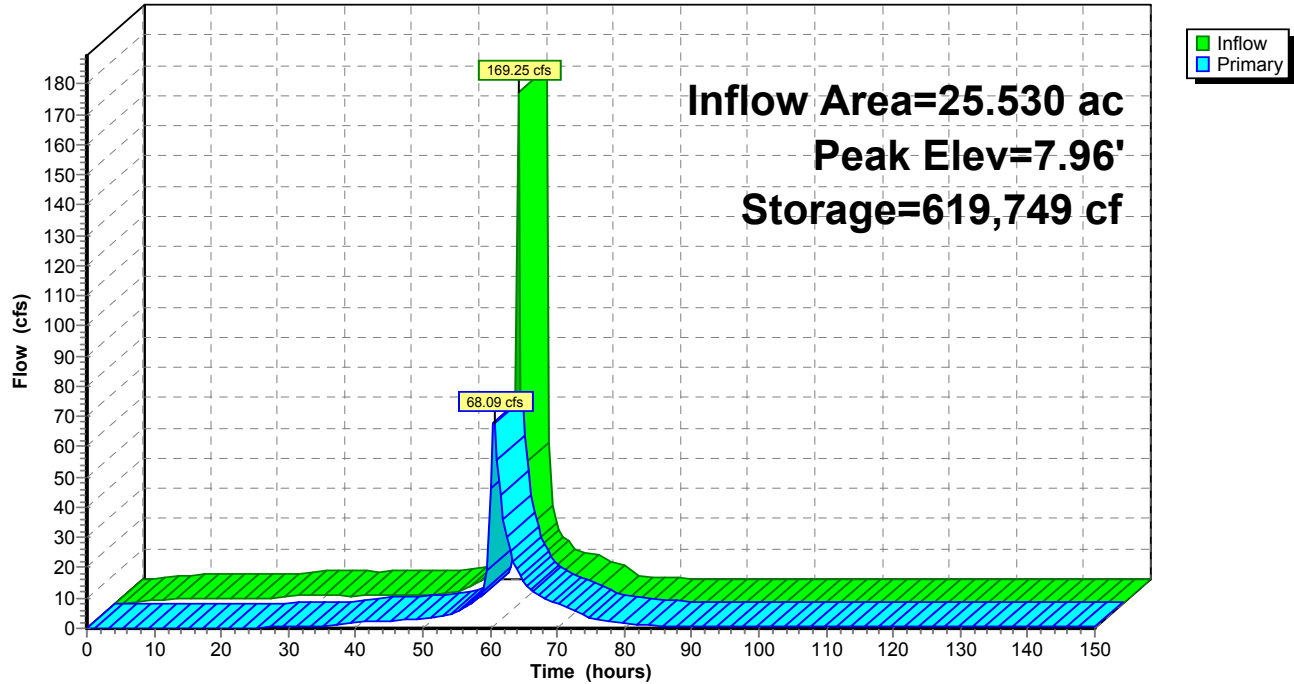
SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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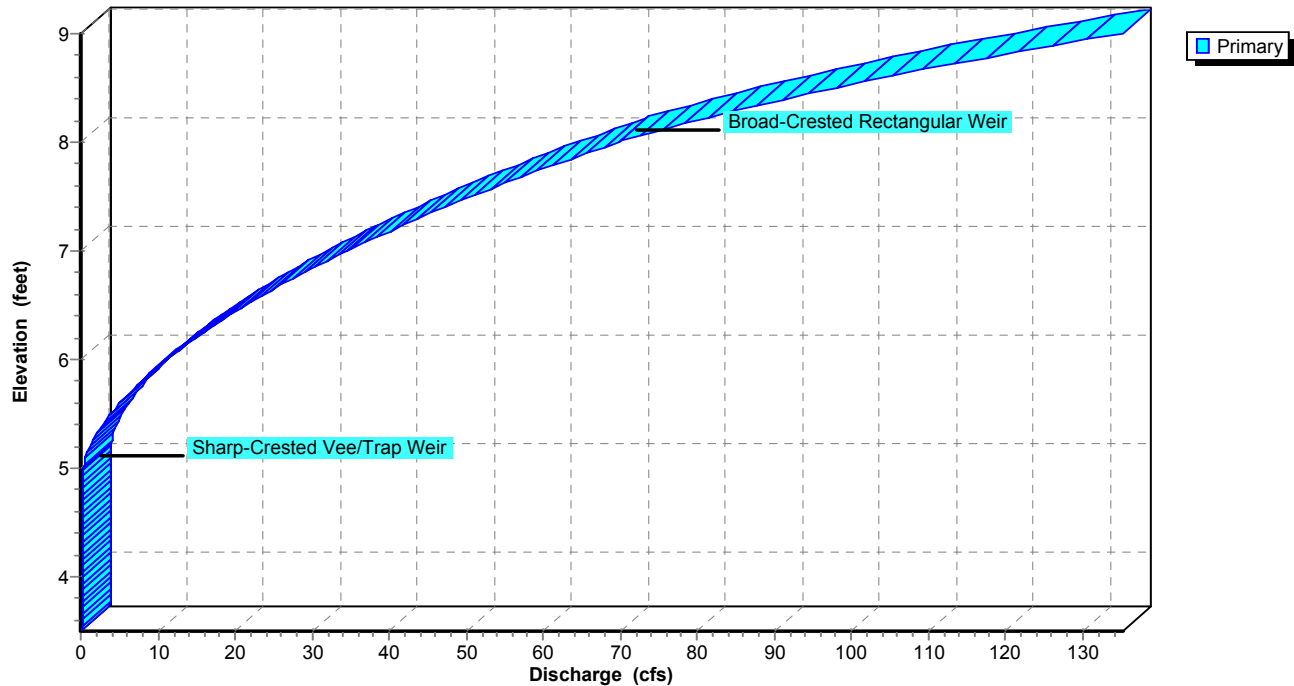
Pond 3P: Pond 1

Hydrograph



Pond 3P: Pond 1

Stage-Discharge



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

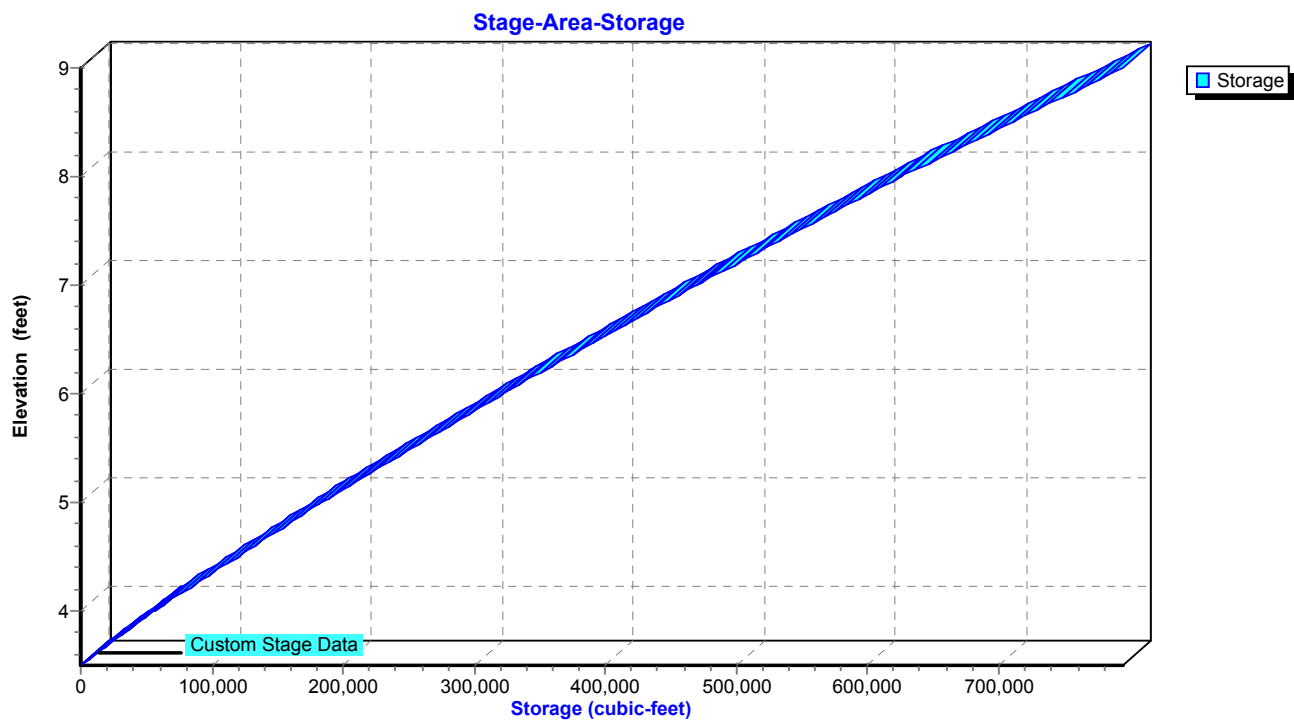
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Pond 3P: Pond 1



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Hydrograph for Pond 3P: Pond 1

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
0.00	0.00	0	3.50	0.00	0.000
0.50	0.00	0	3.50	0.00	0.000
1.00	0.06	0	3.50	0.06	0.002
1.50	0.28	75	3.50	0.20	0.011
2.00	0.50	415	3.50	0.20	0.019
2.50	0.66	1,088	3.51	0.20	0.027
3.00	0.78	2,020	3.52	0.20	0.036
3.50	0.89	3,157	3.53	0.20	0.044
4.00	0.97	4,464	3.54	0.21	0.053
4.50	1.05	5,915	3.55	0.21	0.061
5.00	1.12	7,490	3.57	0.21	0.070
5.50	1.18	9,182	3.58	0.21	0.079
6.00	1.25	10,987	3.60	0.21	0.087
6.50	1.30	12,897	3.62	0.21	0.096
7.00	1.36	14,904	3.63	0.22	0.105
7.50	1.40	16,997	3.65	0.22	0.114
8.00	1.45	19,171	3.67	0.22	0.123
8.50	1.49	21,418	3.69	0.22	0.132
9.00	1.53	23,732	3.71	0.22	0.141
9.50	1.56	26,110	3.73	0.23	0.151
10.00	1.60	28,545	3.76	0.23	0.160
10.50	1.63	31,035	3.78	0.23	0.170
11.00	1.66	33,574	3.80	0.23	0.179
11.50	1.68	36,158	3.82	0.23	0.189
12.00	1.70	38,782	3.85	0.24	0.199
12.50	1.73	41,444	3.87	0.24	0.208
13.00	1.75	44,139	3.90	0.24	0.218
13.50	1.77	46,864	3.92	0.24	0.228
14.00	1.78	49,618	3.94	0.25	0.239
14.50	1.80	52,397	3.97	0.25	0.249
15.00	1.81	55,197	3.99	0.25	0.259
15.50	1.82	58,014	4.02	0.25	0.270
16.00	1.83	60,845	4.04	0.25	0.280
16.50	1.84	63,689	4.06	0.26	0.291
17.00	1.85	66,544	4.08	0.26	0.301
17.50	1.85	69,411	4.11	0.26	0.312
18.00	1.86	72,288	4.13	0.26	0.323
18.50	1.87	75,173	4.15	0.26	0.334
19.00	1.87	78,067	4.17	0.26	0.345
19.50	1.88	80,969	4.20	0.27	0.356
20.00	1.89	83,877	4.22	0.27	0.367
20.50	1.89	86,792	4.24	0.27	0.378
21.00	1.90	89,712	4.27	0.27	0.389
21.50	1.90	92,636	4.29	0.27	0.400
22.00	1.90	95,566	4.31	0.28	0.412
22.50	1.91	98,498	4.33	0.28	0.423
23.00	1.91	101,435	4.36	0.28	0.435
23.50	1.92	104,373	4.38	0.28	0.447
24.00	1.96	107,354	4.40	0.28	0.458
24.50	2.40	110,771	4.43	0.29	0.470
25.00	2.48	114,649	4.46	0.29	0.482
25.50	2.53	118,638	4.49	0.29	0.494

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 3P: Pond 1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
26.00	2.59	122,722	4.52	0.29	0.506
26.50	2.64	126,896	4.56	0.30	0.518
27.00	2.69	131,161	4.59	0.30	0.531
27.50	2.74	135,512	4.62	0.30	0.543
28.00	2.79	139,950	4.66	0.30	0.555
28.50	2.84	144,471	4.69	0.31	0.568
29.00	2.89	149,073	4.73	0.31	0.581
29.50	2.93	153,754	4.77	0.31	0.594
30.00	3.27	158,775	4.81	0.31	0.607
30.50	2.80	163,673	4.85	0.32	0.620
31.00	2.76	168,105	4.88	0.32	0.633
31.50	2.74	172,480	4.91	0.32	0.646
32.00	2.73	176,830	4.95	0.32	0.659
32.50	2.71	181,146	4.98	0.33	0.673
33.00	2.69	185,406	5.01	0.34	0.687
33.50	2.67	189,539	5.04	0.42	0.704
34.00	2.64	193,470	5.07	0.52	0.726
34.50	2.62	197,165	5.10	0.64	0.752
35.00	2.60	200,610	5.12	0.76	0.783
35.50	2.60	203,811	5.15	0.89	0.820
36.00	2.61	206,786	5.17	1.01	0.862
36.50	2.62	209,556	5.19	1.14	0.909
37.00	2.65	212,133	5.21	1.27	0.961
37.50	2.67	214,527	5.22	1.39	1.019
38.00	2.69	216,745	5.24	1.50	1.081
38.50	2.71	218,795	5.26	1.62	1.148
39.00	2.73	220,686	5.27	1.72	1.219
39.50	2.75	222,426	5.28	1.82	1.294
40.00	2.77	224,025	5.29	1.92	1.374
40.50	2.79	225,492	5.30	2.01	1.457
41.00	2.81	226,836	5.31	2.09	1.543
41.50	2.82	228,066	5.32	2.17	1.633
42.00	2.84	229,190	5.33	2.24	1.725
42.50	2.85	230,216	5.34	2.31	1.821
43.00	2.86	231,152	5.34	2.37	1.918
43.50	2.88	232,005	5.35	2.42	2.019
44.00	2.89	232,782	5.36	2.48	2.121
44.50	2.90	233,490	5.36	2.52	2.225
45.00	2.91	234,134	5.37	2.57	2.331
45.50	2.92	234,720	5.37	2.61	2.439
46.00	2.93	235,253	5.37	2.64	2.548
46.50	2.93	235,737	5.38	2.68	2.659
47.00	2.94	236,178	5.38	2.71	2.771
47.50	2.95	236,578	5.38	2.74	2.884
48.00	3.42	237,333	5.39	2.79	2.999
48.50	3.33	238,319	5.40	2.86	3.117
49.00	3.32	239,103	5.40	2.92	3.238
49.50	3.35	239,807	5.41	2.97	3.360
50.00	3.60	240,666	5.41	3.03	3.485
50.50	3.86	241,853	5.42	3.12	3.614
51.00	4.05	243,268	5.43	3.22	3.747
51.50	4.24	244,828	5.44	3.34	3.885

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 3P: Pond 1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
52.00	4.56	246,616	5.46	3.48	4.029
52.50	5.43	249,166	5.48	3.67	4.181
53.00	5.96	252,553	5.50	3.95	4.344
53.50	6.46	256,344	5.53	4.26	4.520
54.00	7.04	260,510	5.56	4.62	4.711
54.50	7.79	265,178	5.59	5.03	4.919
55.00	8.43	270,301	5.63	5.50	5.146
55.50	9.07	275,689	5.67	6.02	5.395
56.00	9.75	281,299	5.71	6.57	5.666
56.50	10.94	287,510	5.75	7.21	5.964
57.00	11.80	294,337	5.80	7.94	6.293
57.50	12.69	301,375	5.85	8.73	6.653
58.00	13.68	308,632	5.90	9.57	7.049
58.50	15.97	317,153	5.97	10.60	7.487
59.00	22.43	331,086	6.06	12.31	7.996
59.50	61.98	378,993	6.39	18.87	8.776
60.00	169.10	528,215	7.38	46.41	10.693
60.50	45.07	618,202	7.95	67.77	13.494
61.00	24.46	569,620	7.64	55.74	15.797
61.50	18.74	518,434	7.31	44.33	17.629
62.00	16.44	477,655	7.05	36.15	19.123
62.50	13.95	445,465	6.84	30.00	20.363
63.00	13.07	419,891	6.67	25.44	21.414
63.50	12.18	399,836	6.53	22.10	22.327
64.00	10.78	383,079	6.42	19.48	23.132
64.50	9.04	367,870	6.31	17.24	23.845
65.00	8.92	354,672	6.22	15.39	24.480
65.50	8.85	344,228	6.15	13.99	25.058
66.00	8.83	335,924	6.10	12.92	25.592
66.50	8.67	329,178	6.05	12.08	26.091
67.00	8.72	323,691	6.01	11.41	26.563
67.50	8.62	319,252	5.98	10.87	27.012
68.00	7.66	314,838	5.95	10.32	27.438
68.50	6.46	309,547	5.91	9.68	27.838
69.00	6.28	304,160	5.87	9.05	28.212
69.50	6.15	299,534	5.84	8.52	28.564
70.00	6.01	295,538	5.81	8.08	28.898
70.50	5.88	292,041	5.78	7.70	29.216
71.00	5.74	288,941	5.76	7.36	29.520
71.50	5.60	286,159	5.74	7.07	29.813
72.00	4.73	283,025	5.72	6.75	30.092
72.50	1.89	277,349	5.68	6.18	30.347
73.00	1.63	270,024	5.63	5.48	30.573
73.50	1.49	263,506	5.58	4.88	30.775
74.00	1.39	257,761	5.54	4.38	30.956
74.50	1.23	252,620	5.50	3.95	31.119
75.00	1.04	247,889	5.47	3.57	31.267
75.50	0.88	243,487	5.43	3.24	31.401
76.00	0.74	239,390	5.40	2.94	31.522
76.50	0.64	235,589	5.38	2.67	31.632
77.00	0.55	232,071	5.35	2.43	31.733
77.50	0.48	228,822	5.33	2.22	31.824

Proposed Stormwater Model REV 1

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Hydrograph for Pond 3P: Pond 1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
78.00	0.43	225,822	5.31	2.03	31.908
78.50	0.38	223,053	5.29	1.86	31.985
79.00	0.35	220,495	5.27	1.71	32.056
79.50	0.32	218,129	5.25	1.58	32.121
80.00	0.29	215,935	5.24	1.46	32.182
80.50	0.26	213,899	5.22	1.35	32.237
81.00	0.24	212,004	5.21	1.26	32.290
81.50	0.23	210,237	5.19	1.17	32.338
82.00	0.21	208,587	5.18	1.10	32.383
82.50	0.19	207,042	5.17	1.03	32.426
83.00	0.18	205,593	5.16	0.96	32.465
83.50	0.17	204,230	5.15	0.90	32.503
84.00	0.16	202,948	5.14	0.85	32.538
84.50	0.15	201,737	5.13	0.80	32.571
85.00	0.14	200,593	5.12	0.76	32.602
85.50	0.13	199,510	5.12	0.72	32.632
86.00	0.12	198,482	5.11	0.68	32.660
86.50	0.12	197,505	5.10	0.65	32.687
87.00	0.11	196,576	5.10	0.62	32.712
87.50	0.11	195,689	5.09	0.59	32.737
88.00	0.10	194,843	5.08	0.56	32.760
88.50	0.10	194,033	5.08	0.54	32.782
89.00	0.09	193,257	5.07	0.51	32.803
89.50	0.09	192,513	5.07	0.49	32.824
90.00	0.08	191,797	5.06	0.47	32.843
90.50	0.08	191,109	5.06	0.46	32.862
91.00	0.08	190,444	5.05	0.44	32.880
91.50	0.07	189,803	5.05	0.42	32.898
92.00	0.07	189,183	5.04	0.41	32.915
92.50	0.07	188,581	5.04	0.40	32.931
93.00	0.07	187,998	5.03	0.39	32.947
93.50	0.06	187,431	5.03	0.38	32.963
94.00	0.06	186,878	5.03	0.37	32.978
94.50	0.06	186,338	5.02	0.36	32.993
95.00	0.06	185,811	5.02	0.35	33.007
95.50	0.06	185,294	5.01	0.34	33.021
96.00	0.06	184,786	5.01	0.34	33.035
96.50	0.06	184,286	5.01	0.33	33.049
97.00	0.05	183,791	5.00	0.33	33.062
97.50	0.05	183,299	5.00	0.33	33.076
98.00	0.05	182,809	5.00	0.33	33.089
98.50	0.05	182,319	4.99	0.33	33.103
99.00	0.05	181,829	4.99	0.33	33.116
99.50	0.05	181,337	4.98	0.33	33.130
100.00	0.05	180,845	4.98	0.33	33.143
100.50	0.05	180,354	4.98	0.32	33.157
101.00	0.05	179,862	4.97	0.32	33.170
101.50	0.05	179,371	4.97	0.32	33.183
102.00	0.05	178,880	4.96	0.32	33.197
102.50	0.05	178,389	4.96	0.32	33.210
103.00	0.05	177,898	4.96	0.32	33.224
103.50	0.05	177,408	4.95	0.32	33.237

Proposed Stormwater Model REV 1

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Hydrograph for Pond 3P: Pond 1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
104.00	0.05	176,918	4.95	0.32	33.250
104.50	0.05	176,429	4.95	0.32	33.264
105.00	0.05	175,940	4.94	0.32	33.277
105.50	0.05	175,451	4.94	0.32	33.290
106.00	0.05	174,962	4.93	0.32	33.304
106.50	0.05	174,474	4.93	0.32	33.317
107.00	0.05	173,986	4.93	0.32	33.330
107.50	0.05	173,499	4.92	0.32	33.343
108.00	0.05	173,011	4.92	0.32	33.357
108.50	0.05	172,524	4.91	0.32	33.370
109.00	0.05	172,037	4.91	0.32	33.383
109.50	0.05	171,551	4.91	0.32	33.396
110.00	0.05	171,065	4.90	0.32	33.410
110.50	0.05	170,579	4.90	0.32	33.423
111.00	0.05	170,093	4.90	0.32	33.436
111.50	0.05	169,608	4.89	0.32	33.449
112.00	0.05	169,123	4.89	0.32	33.462
112.50	0.05	168,638	4.88	0.32	33.476
113.00	0.05	168,154	4.88	0.32	33.489
113.50	0.05	167,669	4.88	0.32	33.502
114.00	0.05	167,185	4.87	0.32	33.515
114.50	0.05	166,701	4.87	0.32	33.528
115.00	0.05	166,218	4.87	0.32	33.541
115.50	0.05	165,735	4.86	0.32	33.554
116.00	0.05	165,251	4.86	0.32	33.567
116.50	0.05	164,769	4.85	0.32	33.581
117.00	0.05	164,286	4.85	0.32	33.594
117.50	0.05	163,803	4.85	0.32	33.607
118.00	0.05	163,321	4.84	0.32	33.620
118.50	0.05	162,839	4.84	0.32	33.633
119.00	0.05	162,357	4.83	0.32	33.646
119.50	0.05	161,876	4.83	0.31	33.659
120.00	0.05	161,394	4.83	0.31	33.672
120.50	0.05	160,913	4.82	0.31	33.685
121.00	0.05	160,432	4.82	0.31	33.698
121.50	0.05	159,951	4.82	0.31	33.711
122.00	0.05	159,470	4.81	0.31	33.724
122.50	0.05	158,989	4.81	0.31	33.737
123.00	0.05	158,508	4.80	0.31	33.750
123.50	0.05	158,028	4.80	0.31	33.763
124.00	0.05	157,548	4.80	0.31	33.775
124.50	0.05	157,067	4.79	0.31	33.788
125.00	0.05	156,587	4.79	0.31	33.801
125.50	0.05	156,107	4.79	0.31	33.814
126.00	0.04	155,627	4.78	0.31	33.827
126.50	0.04	155,147	4.78	0.31	33.840
127.00	0.04	154,667	4.77	0.31	33.853
127.50	0.04	154,188	4.77	0.31	33.866
128.00	0.04	153,708	4.77	0.31	33.878
128.50	0.04	153,228	4.76	0.31	33.891
129.00	0.04	152,749	4.76	0.31	33.904
129.50	0.04	152,269	4.76	0.31	33.917

Proposed Stormwater Model REV 1

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Hydrograph for Pond 3P: Pond 1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
130.00	0.04	151,789	4.75	0.31	33.930
130.50	0.04	151,310	4.75	0.31	33.942
131.00	0.04	150,830	4.74	0.31	33.955
131.50	0.04	150,351	4.74	0.31	33.968
132.00	0.04	149,871	4.74	0.31	33.981
132.50	0.04	149,391	4.73	0.31	33.993
133.00	0.04	148,912	4.73	0.31	34.006
133.50	0.04	148,432	4.73	0.31	34.019
134.00	0.04	147,952	4.72	0.31	34.031
134.50	0.04	147,472	4.72	0.31	34.044
135.00	0.04	146,992	4.71	0.31	34.057
135.50	0.04	146,512	4.71	0.31	34.069
136.00	0.04	146,032	4.71	0.31	34.082
136.50	0.04	145,552	4.70	0.31	34.095
137.00	0.04	145,072	4.70	0.31	34.107
137.50	0.04	144,592	4.70	0.31	34.120
138.00	0.04	144,111	4.69	0.31	34.133
138.50	0.04	143,630	4.69	0.30	34.145
139.00	0.04	143,150	4.68	0.30	34.158
139.50	0.04	142,669	4.68	0.30	34.170
140.00	0.04	142,188	4.68	0.30	34.183
140.50	0.04	141,707	4.67	0.30	34.195
141.00	0.04	141,226	4.67	0.30	34.208
141.50	0.04	140,744	4.67	0.30	34.221
142.00	0.04	140,263	4.66	0.30	34.233
142.50	0.03	139,781	4.66	0.30	34.246
143.00	0.03	139,299	4.65	0.30	34.258
143.50	0.03	138,817	4.65	0.30	34.271
144.00	0.03	138,335	4.65	0.30	34.283
144.50	0.03	137,853	4.64	0.30	34.295
145.00	0.03	137,370	4.64	0.30	34.308
145.50	0.03	136,887	4.64	0.30	34.320
146.00	0.03	136,405	4.63	0.30	34.333
146.50	0.03	135,922	4.63	0.30	34.345
147.00	0.03	135,438	4.62	0.30	34.358
147.50	0.03	134,955	4.62	0.30	34.370
148.00	0.03	134,471	4.62	0.30	34.382
148.50	0.03	133,988	4.61	0.30	34.395
149.00	0.03	133,504	4.61	0.30	34.407
149.50	0.03	133,020	4.61	0.30	34.419
150.00	0.03	132,536	4.60	0.30	34.432

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Stage-Discharge for Pond 3P: Pond 1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
3.50	0.00	4.54	0.29	5.58	4.90	6.62	24.31
3.52	0.20	4.56	0.30	5.60	5.15	6.64	24.81
3.54	0.21	4.58	0.30	5.62	5.40	6.66	25.31
3.56	0.21	4.60	0.30	5.64	5.66	6.68	25.82
3.58	0.21	4.62	0.30	5.66	5.93	6.70	26.33
3.60	0.21	4.64	0.30	5.68	6.20	6.72	26.85
3.62	0.21	4.66	0.30	5.70	6.47	6.74	27.37
3.64	0.22	4.68	0.30	5.72	6.75	6.76	27.90
3.66	0.22	4.70	0.31	5.74	7.04	6.78	28.43
3.68	0.22	4.72	0.31	5.76	7.33	6.80	28.96
3.70	0.22	4.74	0.31	5.78	7.62	6.82	29.50
3.72	0.22	4.76	0.31	5.80	7.92	6.84	30.05
3.74	0.23	4.78	0.31	5.82	8.23	6.86	30.60
3.76	0.23	4.80	0.31	5.84	8.53	6.88	31.15
3.78	0.23	4.82	0.31	5.86	8.85	6.90	31.71
3.80	0.23	4.84	0.32	5.88	9.17	6.92	32.28
3.82	0.23	4.86	0.32	5.90	9.49	6.94	32.84
3.84	0.24	4.88	0.32	5.92	9.82	6.96	33.42
3.86	0.24	4.90	0.32	5.94	10.16	6.98	33.99
3.88	0.24	4.92	0.32	5.96	10.49	7.00	34.58
3.90	0.24	4.94	0.32	5.98	10.84	7.02	35.16
3.92	0.24	4.96	0.32	6.00	11.19	7.04	35.76
3.94	0.24	4.98	0.33	6.02	11.54	7.06	36.35
3.96	0.25	5.00	0.33	6.04	11.90	7.08	36.96
3.98	0.25	5.02	0.35	6.06	12.26	7.10	37.56
4.00	0.25	5.04	0.41	6.08	12.63	7.12	38.17
4.02	0.25	5.06	0.47	6.10	13.00	7.14	38.79
4.04	0.25	5.08	0.55	6.12	13.37	7.16	39.41
4.06	0.26	5.10	0.64	6.14	13.75	7.18	40.03
4.08	0.26	5.12	0.74	6.16	14.14	7.20	40.66
4.10	0.26	5.14	0.84	6.18	14.53	7.22	41.30
4.12	0.26	5.16	0.96	6.20	14.93	7.24	41.94
4.14	0.26	5.18	1.08	6.22	15.33	7.26	42.58
4.16	0.26	5.20	1.21	6.24	15.73	7.28	43.23
4.18	0.27	5.22	1.35	6.26	16.14	7.30	43.88
4.20	0.27	5.24	1.50	6.28	16.56	7.32	44.54
4.22	0.27	5.26	1.65	6.30	16.97	7.34	45.21
4.24	0.27	5.28	1.81	6.32	17.40	7.36	45.87
4.26	0.27	5.30	1.97	6.34	17.83	7.38	46.55
4.28	0.27	5.32	2.15	6.36	18.26	7.40	47.23
4.30	0.28	5.34	2.32	6.38	18.70	7.42	47.91
4.32	0.28	5.36	2.51	6.40	19.14	7.44	48.60
4.34	0.28	5.38	2.70	6.42	19.59	7.46	49.29
4.36	0.28	5.40	2.89	6.44	20.04	7.48	49.98
4.38	0.28	5.42	3.09	6.46	20.49	7.50	50.69
4.40	0.28	5.44	3.30	6.48	20.95	7.52	51.39
4.42	0.28	5.46	3.51	6.50	21.42	7.54	52.10
4.44	0.29	5.48	3.73	6.52	21.89	7.56	52.82
4.46	0.29	5.50	3.95	6.54	22.36	7.58	53.54
4.48	0.29	5.52	4.18	6.56	22.84	7.60	54.27
4.50	0.29	5.54	4.41	6.58	23.33	7.62	55.00
4.52	0.29	5.56	4.65	6.60	23.82	7.64	55.73

Proposed Stormwater Model REV 1

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Stage-Discharge for Pond 3P: Pond 1 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
7.66	56.47	8.70	111.64
7.68	57.22	8.72	113.11
7.70	57.97	8.74	114.59
7.72	58.72	8.76	116.09
7.74	59.48	8.78	117.60
7.76	60.25	8.80	119.12
7.78	61.02	8.82	120.67
7.80	61.79	8.84	122.24
7.82	62.57	8.86	123.82
7.84	63.36	8.88	125.42
7.86	64.15	8.90	127.03
7.88	64.94	8.92	128.65
7.90	65.74	8.94	130.30
7.92	66.54	8.96	131.95
7.94	67.35	8.98	133.63
7.96	68.17	9.00	135.31
7.98	68.99		
8.00	69.81		
8.02	70.68		
8.04	71.60		
8.06	72.55		
8.08	73.52		
8.10	74.51		
8.12	75.53		
8.14	76.56		
8.16	77.61		
8.18	78.68		
8.20	79.76		
8.22	80.87		
8.24	81.99		
8.26	83.12		
8.28	84.27		
8.30	85.43		
8.32	86.61		
8.34	87.80		
8.36	89.01		
8.38	90.23		
8.40	91.46		
8.42	92.71		
8.44	93.97		
8.46	95.24		
8.48	96.53		
8.50	97.83		
8.52	99.14		
8.54	100.47		
8.56	101.81		
8.58	103.16		
8.60	104.52		
8.62	105.92		
8.64	107.33		
8.66	108.75		
8.68	110.19		

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Stage-Area-Storage for Pond 3P: Pond 1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
3.50	0	4.54	124,724	5.58	263,675
3.52	2,233	4.56	127,276	5.60	266,442
3.54	4,466	4.58	129,828	5.62	269,210
3.56	6,699	4.60	132,379	5.64	271,977
3.58	8,932	4.62	134,931	5.66	274,745
3.60	11,165	4.64	137,483	5.68	277,512
3.62	13,398	4.66	140,035	5.70	280,280
3.64	15,630	4.68	142,587	5.72	283,047
3.66	17,863	4.70	145,139	5.74	285,815
3.68	20,096	4.72	147,691	5.76	288,582
3.70	22,329	4.74	150,243	5.78	291,350
3.72	24,562	4.76	152,794	5.80	294,117
3.74	26,795	4.78	155,346	5.82	296,885
3.76	29,028	4.80	157,898	5.84	299,652
3.78	31,261	4.82	160,450	5.86	302,420
3.80	33,494	4.84	163,002	5.88	305,187
3.82	35,727	4.86	165,554	5.90	307,955
3.84	37,960	4.88	168,106	5.92	310,722
3.86	40,193	4.90	170,658	5.94	313,490
3.88	42,425	4.92	173,209	5.96	316,257
3.90	44,658	4.94	175,761	5.98	319,025
3.92	46,891	4.96	178,313	6.00	321,792
3.94	49,124	4.98	180,865	6.02	324,742
3.96	51,357	5.00	183,417	6.04	327,692
3.98	53,590	5.02	186,185	6.06	330,643
4.00	55,823	5.04	188,952	6.08	333,593
4.02	58,375	5.06	191,719	6.10	336,543
4.04	60,927	5.08	194,487	6.12	339,493
4.06	63,479	5.10	197,254	6.14	342,443
4.08	66,031	5.12	200,022	6.16	345,393
4.10	68,582	5.14	202,789	6.18	348,344
4.12	71,134	5.16	205,557	6.20	351,294
4.14	73,686	5.18	208,324	6.22	354,244
4.16	76,238	5.20	211,092	6.24	357,194
4.18	78,790	5.22	213,859	6.26	360,144
4.20	81,342	5.24	216,627	6.28	363,095
4.22	83,894	5.26	219,394	6.30	366,045
4.24	86,446	5.28	222,162	6.32	368,995
4.26	88,997	5.30	224,929	6.34	371,945
4.28	91,549	5.32	227,697	6.36	374,895
4.30	94,101	5.34	230,464	6.38	377,845
4.32	96,653	5.36	233,232	6.40	380,796
4.34	99,205	5.38	235,999	6.42	383,746
4.36	101,757	5.40	238,767	6.44	386,696
4.38	104,309	5.42	241,535	6.46	389,646
4.40	106,861	5.44	244,302	6.48	392,596
4.42	109,412	5.46	247,070	6.50	395,547
4.44	111,964	5.48	249,837	6.52	398,497
4.46	114,516	5.50	252,605	6.54	401,447
4.48	117,068	5.52	255,372	6.56	404,397
4.50	119,620	5.54	258,140	6.58	407,347
4.52	122,172	5.56	260,907	6.60	410,297

Proposed Stormwater Model REV 1

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Stage-Area-Storage for Pond 3P: Pond 1 (continued)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
6.62	413,248	7.66	572,725	8.70	744,312
6.64	416,198	7.68	575,859	8.72	747,693
6.66	419,148	7.70	578,993	8.74	751,073
6.68	422,098	7.72	582,127	8.76	754,453
6.70	425,048	7.74	585,261	8.78	757,833
6.72	427,998	7.76	588,395	8.80	761,214
6.74	430,949	7.78	591,529	8.82	764,594
6.76	433,899	7.80	594,663	8.84	767,974
6.78	436,849	7.82	597,797	8.86	771,354
6.80	439,799	7.84	600,932	8.88	774,735
6.82	442,749	7.86	604,066	8.90	778,115
6.84	445,700	7.88	607,200	8.92	781,495
6.86	448,650	7.90	610,334	8.94	784,875
6.88	451,600	7.92	613,468	8.96	788,256
6.90	454,550	7.94	616,602	8.98	791,636
6.92	457,500	7.96	619,736	9.00	795,016
6.94	460,450	7.98	622,870		
6.96	463,401	8.00	626,004		
6.98	466,351	8.02	629,384		
7.00	469,301	8.04	632,764		
7.02	472,435	8.06	636,145		
7.04	475,569	8.08	639,525		
7.06	478,703	8.10	642,905		
7.08	481,837	8.12	646,285		
7.10	484,971	8.14	649,666		
7.12	488,105	8.16	653,046		
7.14	491,239	8.18	656,426		
7.16	494,373	8.20	659,806		
7.18	497,508	8.22	663,187		
7.20	500,642	8.24	666,567		
7.22	503,776	8.26	669,947		
7.24	506,910	8.28	673,327		
7.26	510,044	8.30	676,708		
7.28	513,178	8.32	680,088		
7.30	516,312	8.34	683,468		
7.32	519,446	8.36	686,848		
7.34	522,580	8.38	690,229		
7.36	525,714	8.40	693,609		
7.38	528,848	8.42	696,989		
7.40	531,982	8.44	700,369		
7.42	535,116	8.46	703,750		
7.44	538,250	8.48	707,130		
7.46	541,384	8.50	710,510		
7.48	544,518	8.52	713,890		
7.50	547,653	8.54	717,270		
7.52	550,787	8.56	720,651		
7.54	553,921	8.58	724,031		
7.56	557,055	8.60	727,411		
7.58	560,189	8.62	730,791		
7.60	563,323	8.64	734,172		
7.62	566,457	8.66	737,552		
7.64	569,591	8.68	740,932		

Proposed Stormwater Model REV 1

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Summary for Pond 13P: Pond 2

Inflow Area = 14.190 ac, 84.71% Impervious, Inflow Depth = 17.73" for 100YR-72HR event
Inflow = 96.98 cfs @ 60.04 hrs, Volume= 20.965 af
Outflow = 68.56 cfs @ 60.46 hrs, Volume= 20.337 af, Atten= 29%, Lag= 25.6 min
Primary = 68.56 cfs @ 60.46 hrs, Volume= 20.337 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs
Peak Elev= 6.20' @ 60.46 hrs Surf.Area= 0 sf Storage= 238,329 cf

Plug-Flow detention time= 536.8 min calculated for 20.269 af (97% of inflow)
Center-of-Mass det. time= 517.3 min (3,678.2 - 3,160.9)

Volume	Invert	Avail.Storage	Storage Description
#1	3.00'	264,085 cf	Custom Stage Data Listed below

Elevation (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
3.00	0	0
4.00	65,856	65,856
5.00	73,643	139,499
6.00	81,159	220,658
6.50	43,427	264,085

Device	Routing	Invert	Outlet Devices
#1	Primary	5.50'	8.0' long x 1.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 Coef. (English) 2.69 2.72 2.75 2.85 2.98 3.08 3.20 3.28 3.31 3.30 3.31 3.32
#2	Primary	4.25'	116.0 deg x 4.0' long Sharp-Crested Vee/Trap Weir Cv= 2.48 (C= 3.10)
#3	Primary	2.00'	2.0" Vert. Orifice/Grate X 2 rows with 12.0" cc spacing C= 0.600

Primary OutFlow Max=66.55 cfs @ 60.46 hrs HW=6.18' TW=0.00' (Dynamic Tailwater)

1=Broad-Crested Rectangular Weir (Weir Controls 12.46 cfs @ 2.30 fps)
2=Sharp-Crested Vee/Trap Weir (Weir Controls 53.69 cfs @ 3.93 fps)
3=Orifice/Grate (Orifice Controls 0.40 cfs @ 9.11 fps)

Proposed Stormwater Model REV 1

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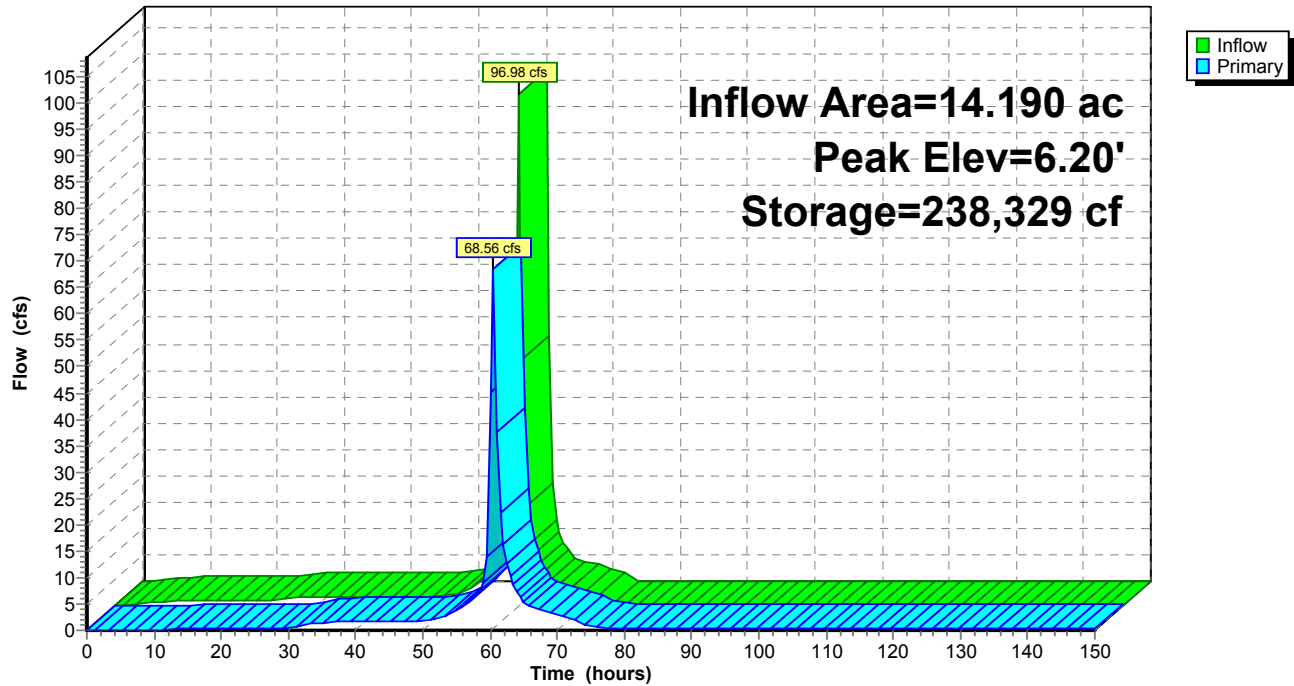
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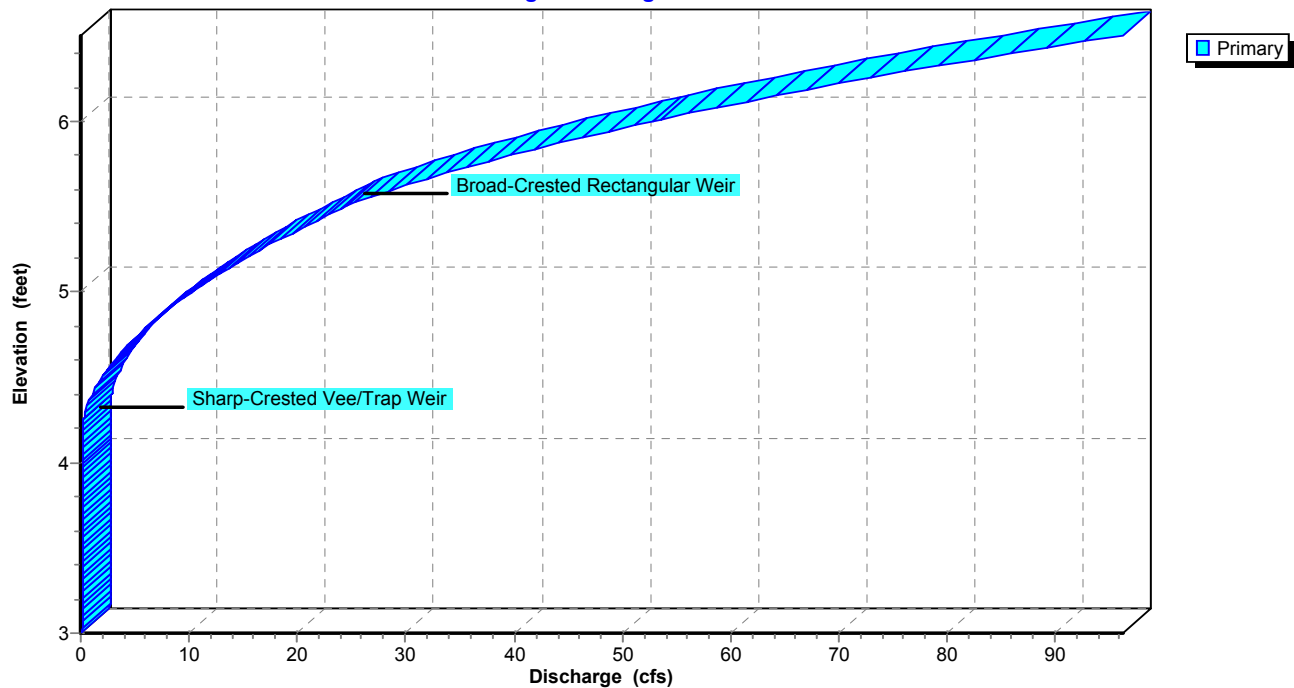
Pond 13P: Pond 2

Hydrograph



Pond 13P: Pond 2

Stage-Discharge



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

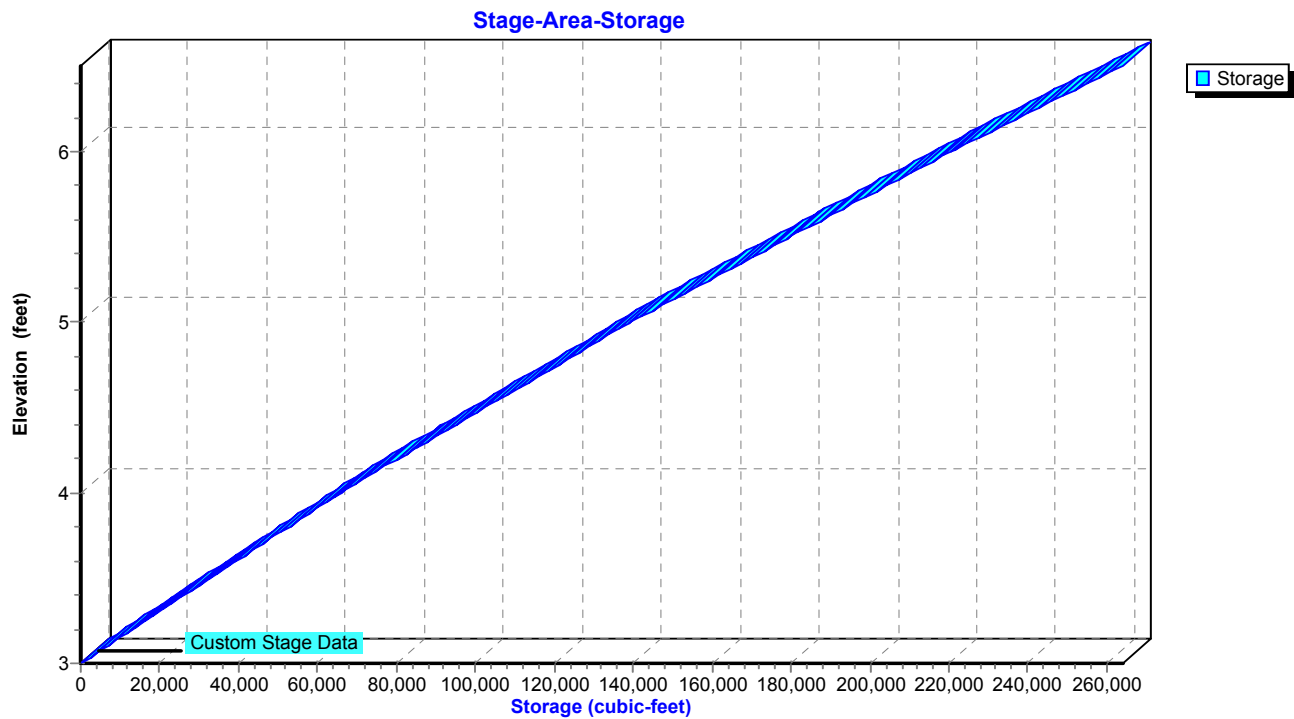
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Pond 13P: Pond 2



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Hydrograph for Pond 13P: Pond 2

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
0.00	0.00	0	3.00	0.00	0.000
0.50	0.00	0	3.00	0.00	0.000
1.00	0.05	0	3.00	0.05	0.002
1.50	0.13	30	3.00	0.10	0.006
2.00	0.20	148	3.00	0.10	0.010
2.50	0.28	398	3.01	0.10	0.015
3.00	0.38	813	3.01	0.10	0.019
3.50	0.47	1,393	3.02	0.10	0.023
4.00	0.54	2,112	3.03	0.10	0.027
4.50	0.60	2,947	3.04	0.11	0.032
5.00	0.65	3,880	3.06	0.11	0.036
5.50	0.70	4,896	3.07	0.11	0.041
6.00	0.74	5,981	3.09	0.12	0.046
6.50	0.77	7,124	3.11	0.12	0.051
7.00	0.80	8,318	3.13	0.13	0.056
7.50	0.83	9,553	3.15	0.13	0.062
8.00	0.86	10,827	3.16	0.14	0.067
8.50	0.88	12,134	3.18	0.14	0.073
9.00	0.90	13,471	3.20	0.15	0.080
9.50	0.92	14,835	3.23	0.15	0.086
10.00	0.93	16,222	3.25	0.16	0.092
10.50	0.95	17,631	3.27	0.16	0.099
11.00	0.96	19,059	3.29	0.16	0.106
11.50	0.97	20,504	3.31	0.17	0.112
12.00	0.99	21,964	3.33	0.17	0.119
12.50	1.00	23,438	3.36	0.17	0.127
13.00	1.01	24,924	3.38	0.18	0.134
13.50	1.01	26,421	3.40	0.18	0.141
14.00	1.02	27,928	3.42	0.18	0.149
14.50	1.03	29,444	3.45	0.19	0.157
15.00	1.04	30,967	3.47	0.19	0.164
15.50	1.04	32,498	3.49	0.19	0.172
16.00	1.05	34,035	3.52	0.19	0.180
16.50	1.06	35,578	3.54	0.20	0.189
17.00	1.06	37,125	3.56	0.20	0.197
17.50	1.07	38,677	3.59	0.20	0.205
18.00	1.07	40,234	3.61	0.21	0.214
18.50	1.08	41,793	3.63	0.21	0.222
19.00	1.08	43,356	3.66	0.21	0.231
19.50	1.08	44,921	3.68	0.21	0.240
20.00	1.09	46,489	3.71	0.22	0.249
20.50	1.09	48,058	3.73	0.22	0.258
21.00	1.10	49,629	3.75	0.22	0.267
21.50	1.10	51,202	3.78	0.22	0.276
22.00	1.10	52,776	3.80	0.23	0.286
22.50	1.10	54,351	3.83	0.23	0.295
23.00	1.11	55,926	3.85	0.23	0.305
23.50	1.11	57,502	3.87	0.23	0.315
24.00	1.13	59,091	3.90	0.24	0.324
24.50	1.29	60,841	3.92	0.24	0.334
25.00	1.46	62,888	3.95	0.24	0.344
25.50	1.50	65,116	3.99	0.24	0.354

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 13P: Pond 2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
26.00	1.53	67,406	4.02	0.25	0.364
26.50	1.57	69,747	4.05	0.25	0.375
27.00	1.60	72,138	4.09	0.25	0.385
27.50	1.63	74,580	4.12	0.26	0.396
28.00	1.66	77,072	4.15	0.26	0.407
28.50	1.69	79,614	4.19	0.26	0.418
29.00	1.72	82,206	4.22	0.27	0.429
29.50	1.75	84,841	4.26	0.28	0.440
30.00	1.89	87,515	4.29	0.39	0.456
30.50	1.80	89,986	4.33	0.55	0.479
31.00	1.66	91,967	4.35	0.71	0.508
31.50	1.65	93,544	4.38	0.86	0.543
32.00	1.66	94,863	4.39	0.99	0.584
32.50	1.66	95,960	4.41	1.11	0.630
33.00	1.66	96,863	4.42	1.21	0.680
33.50	1.66	97,600	4.43	1.29	0.733
34.00	1.66	98,197	4.44	1.37	0.790
34.50	1.66	98,680	4.45	1.42	0.849
35.00	1.67	99,067	4.45	1.47	0.909
35.50	1.67	99,378	4.46	1.51	0.972
36.00	1.67	99,627	4.46	1.55	1.036
36.50	1.67	99,826	4.46	1.57	1.101
37.00	1.67	99,985	4.46	1.59	1.167
37.50	1.67	100,113	4.47	1.61	1.233
38.00	1.67	100,216	4.47	1.62	1.300
38.50	1.67	100,298	4.47	1.63	1.368
39.00	1.68	100,365	4.47	1.64	1.435
39.50	1.68	100,419	4.47	1.65	1.504
40.00	1.68	100,463	4.47	1.65	1.572
40.50	1.68	100,499	4.47	1.66	1.640
41.00	1.68	100,529	4.47	1.66	1.709
41.50	1.68	100,554	4.47	1.67	1.778
42.00	1.68	100,574	4.47	1.67	1.847
42.50	1.68	100,592	4.47	1.67	1.916
43.00	1.68	100,607	4.47	1.67	1.985
43.50	1.68	100,620	4.47	1.68	2.055
44.00	1.68	100,631	4.47	1.68	2.124
44.50	1.68	100,641	4.47	1.68	2.193
45.00	1.68	100,650	4.47	1.68	2.263
45.50	1.69	100,658	4.47	1.68	2.332
46.00	1.69	100,665	4.47	1.68	2.402
46.50	1.69	100,672	4.47	1.68	2.471
47.00	1.69	100,678	4.47	1.68	2.541
47.50	1.69	100,684	4.47	1.68	2.610
48.00	1.84	100,812	4.47	1.70	2.681
48.50	1.99	101,154	4.48	1.75	2.753
49.00	1.92	101,484	4.48	1.79	2.827
49.50	1.93	101,688	4.49	1.82	2.902
50.00	2.02	101,925	4.49	1.86	2.979
50.50	2.22	102,345	4.50	1.91	3.058
51.00	2.33	102,919	4.50	2.00	3.141
51.50	2.45	103,540	4.51	2.09	3.227

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 13P: Pond 2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
52.00	2.61	104,237	4.52	2.19	3.318
52.50	3.07	105,256	4.54	2.35	3.415
53.00	3.45	106,687	4.55	2.58	3.521
53.50	3.77	108,304	4.58	2.85	3.639
54.00	4.11	110,005	4.60	3.14	3.769
54.50	4.55	111,841	4.62	3.48	3.913
55.00	4.96	113,802	4.65	3.85	4.072
55.50	5.35	115,784	4.68	4.25	4.248
56.00	5.75	117,750	4.70	4.66	4.440
56.50	6.39	119,870	4.73	5.12	4.652
57.00	6.99	122,214	4.77	5.65	4.885
57.50	7.53	124,595	4.80	6.22	5.142
58.00	8.09	126,938	4.83	6.80	5.423
58.50	9.24	129,667	4.87	7.50	5.733
59.00	12.44	134,485	4.93	8.83	6.098
59.50	29.23	151,521	5.15	13.92	6.673
60.00	96.67	211,568	5.89	45.26	8.543
60.50	46.49	238,097	6.20	68.42	11.371
61.00	18.44	201,268	5.76	37.43	12.917
61.50	11.54	174,498	5.43	22.29	13.838
62.00	9.25	158,506	5.23	16.26	14.510
62.50	7.34	147,425	5.10	12.63	15.032
63.00	6.41	139,225	5.00	10.23	15.455
63.50	5.77	133,332	4.92	8.50	15.806
64.00	4.98	128,804	4.85	7.28	16.107
64.50	3.79	124,559	4.80	6.21	16.363
65.00	3.49	120,742	4.75	5.31	16.583
65.50	3.47	117,987	4.71	4.71	16.778
66.00	3.50	116,132	4.68	4.32	16.956
66.50	3.49	114,878	4.67	4.07	17.124
67.00	3.53	114,033	4.65	3.90	17.285
67.50	3.62	113,537	4.65	3.80	17.442
68.00	3.23	112,960	4.64	3.69	17.595
68.50	2.51	111,702	4.62	3.45	17.738
69.00	2.33	110,105	4.60	3.16	17.868
69.50	2.31	108,797	4.58	2.93	17.989
70.00	2.31	107,832	4.57	2.77	18.104
70.50	2.31	107,121	4.56	2.65	18.213
71.00	2.31	106,595	4.55	2.56	18.319
71.50	2.31	106,203	4.55	2.50	18.423
72.00	2.05	105,704	4.54	2.42	18.523
72.50	0.53	103,922	4.52	2.15	18.611
73.00	0.04	100,956	4.48	1.72	18.682
73.50	0.00	98,211	4.44	1.37	18.739
74.00	0.00	95,985	4.41	1.11	18.785
74.50	0.00	94,162	4.38	0.92	18.823
75.00	0.00	92,644	4.36	0.77	18.854
75.50	0.00	91,359	4.35	0.66	18.882
76.00	0.00	90,253	4.33	0.57	18.905
76.50	0.00	89,291	4.32	0.50	18.926
77.00	0.00	88,442	4.31	0.44	18.944
77.50	0.00	87,685	4.30	0.40	18.961

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 13P: Pond 2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
78.00	0.00	87,002	4.29	0.36	18.975
78.50	0.00	86,379	4.28	0.33	18.989
79.00	0.00	85,804	4.27	0.31	19.002
79.50	0.00	85,268	4.26	0.29	19.014
80.00	0.00	84,760	4.26	0.28	19.025
80.50	0.00	84,270	4.25	0.27	19.036
81.00	0.00	83,788	4.24	0.27	19.047
81.50	0.00	83,307	4.24	0.27	19.058
82.00	0.00	82,827	4.23	0.27	19.069
82.50	0.00	82,348	4.22	0.27	19.080
83.00	0.00	81,870	4.22	0.27	19.091
83.50	0.00	81,393	4.21	0.26	19.102
84.00	0.00	80,917	4.20	0.26	19.113
84.50	0.00	80,442	4.20	0.26	19.124
85.00	0.00	79,968	4.19	0.26	19.135
85.50	0.00	79,495	4.19	0.26	19.146
86.00	0.00	79,022	4.18	0.26	19.157
86.50	0.00	78,551	4.17	0.26	19.167
87.00	0.00	78,081	4.17	0.26	19.178
87.50	0.00	77,612	4.16	0.26	19.189
88.00	0.00	77,144	4.15	0.26	19.200
88.50	0.00	76,677	4.15	0.26	19.210
89.00	0.00	76,211	4.14	0.26	19.221
89.50	0.00	75,746	4.13	0.26	19.232
90.00	0.00	75,282	4.13	0.26	19.242
90.50	0.00	74,818	4.12	0.26	19.253
91.00	0.00	74,356	4.12	0.26	19.264
91.50	0.00	73,895	4.11	0.26	19.274
92.00	0.00	73,435	4.10	0.26	19.285
92.50	0.00	72,976	4.10	0.25	19.295
93.00	0.00	72,518	4.09	0.25	19.306
93.50	0.00	72,061	4.08	0.25	19.316
94.00	0.00	71,604	4.08	0.25	19.327
94.50	0.00	71,149	4.07	0.25	19.337
95.00	0.00	70,695	4.07	0.25	19.348
95.50	0.00	70,242	4.06	0.25	19.358
96.00	0.00	69,790	4.05	0.25	19.368
96.50	0.00	69,339	4.05	0.25	19.379
97.00	0.00	68,889	4.04	0.25	19.389
97.50	0.00	68,440	4.04	0.25	19.399
98.00	0.00	67,991	4.03	0.25	19.410
98.50	0.00	67,544	4.02	0.25	19.420
99.00	0.00	67,098	4.02	0.25	19.430
99.50	0.00	66,653	4.01	0.25	19.440
100.00	0.00	66,209	4.00	0.25	19.450
100.50	0.00	65,766	4.00	0.25	19.461
101.00	0.00	65,324	3.99	0.25	19.471
101.50	0.00	64,883	3.99	0.24	19.481
102.00	0.00	64,443	3.98	0.24	19.491
102.50	0.00	64,005	3.97	0.24	19.501
103.00	0.00	63,567	3.97	0.24	19.511
103.50	0.00	63,131	3.96	0.24	19.521

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 13P: Pond 2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
104.00	0.00	62,695	3.95	0.24	19.531
104.50	0.00	62,261	3.95	0.24	19.541
105.00	0.00	61,828	3.94	0.24	19.551
105.50	0.00	61,396	3.93	0.24	19.561
106.00	0.00	60,966	3.93	0.24	19.571
106.50	0.00	60,536	3.92	0.24	19.580
107.00	0.00	60,108	3.91	0.24	19.590
107.50	0.00	59,680	3.91	0.24	19.600
108.00	0.00	59,254	3.90	0.24	19.610
108.50	0.00	58,829	3.89	0.24	19.620
109.00	0.00	58,405	3.89	0.24	19.629
109.50	0.00	57,982	3.88	0.23	19.639
110.00	0.00	57,560	3.87	0.23	19.649
110.50	0.00	57,140	3.87	0.23	19.658
111.00	0.00	56,720	3.86	0.23	19.668
111.50	0.00	56,302	3.85	0.23	19.678
112.00	0.00	55,885	3.85	0.23	19.687
112.50	0.00	55,469	3.84	0.23	19.697
113.00	0.00	55,054	3.84	0.23	19.706
113.50	0.00	54,640	3.83	0.23	19.716
114.00	0.00	54,227	3.82	0.23	19.725
114.50	0.00	53,816	3.82	0.23	19.735
115.00	0.00	53,405	3.81	0.23	19.744
115.50	0.00	52,996	3.80	0.23	19.753
116.00	0.00	52,588	3.80	0.23	19.763
116.50	0.00	52,181	3.79	0.23	19.772
117.00	0.00	51,775	3.79	0.23	19.781
117.50	0.00	51,371	3.78	0.22	19.791
118.00	0.00	50,967	3.77	0.22	19.800
118.50	0.00	50,565	3.77	0.22	19.809
119.00	0.00	50,163	3.76	0.22	19.818
119.50	0.00	49,763	3.76	0.22	19.827
120.00	0.00	49,364	3.75	0.22	19.837
120.50	0.00	48,967	3.74	0.22	19.846
121.00	0.00	48,570	3.74	0.22	19.855
121.50	0.00	48,174	3.73	0.22	19.864
122.00	0.00	47,780	3.73	0.22	19.873
122.50	0.00	47,387	3.72	0.22	19.882
123.00	0.00	46,995	3.71	0.22	19.891
123.50	0.00	46,604	3.71	0.22	19.900
124.00	0.00	46,214	3.70	0.22	19.909
124.50	0.00	45,825	3.70	0.22	19.918
125.00	0.00	45,438	3.69	0.21	19.927
125.50	0.00	45,051	3.68	0.21	19.935
126.00	0.00	44,666	3.68	0.21	19.944
126.50	0.00	44,282	3.67	0.21	19.953
127.00	0.00	43,899	3.67	0.21	19.962
127.50	0.00	43,517	3.66	0.21	19.971
128.00	0.00	43,137	3.66	0.21	19.979
128.50	0.00	42,757	3.65	0.21	19.988
129.00	0.00	42,379	3.64	0.21	19.997
129.50	0.00	42,002	3.64	0.21	20.005

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Pond 13P: Pond 2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)	Outflow-Volume (acre-feet)
130.00	0.00	41,626	3.63	0.21	20.014
130.50	0.00	41,251	3.63	0.21	20.023
131.00	0.00	40,878	3.62	0.21	20.031
131.50	0.00	40,505	3.62	0.21	20.040
132.00	0.00	40,134	3.61	0.21	20.048
132.50	0.00	39,764	3.60	0.21	20.057
133.00	0.00	39,395	3.60	0.20	20.065
133.50	0.00	39,027	3.59	0.20	20.074
134.00	0.00	38,660	3.59	0.20	20.082
134.50	0.00	38,295	3.58	0.20	20.090
135.00	0.00	37,930	3.58	0.20	20.099
135.50	0.00	37,567	3.57	0.20	20.107
136.00	0.00	37,205	3.56	0.20	20.115
136.50	0.00	36,845	3.56	0.20	20.124
137.00	0.00	36,485	3.55	0.20	20.132
137.50	0.00	36,127	3.55	0.20	20.140
138.00	0.00	35,769	3.54	0.20	20.148
138.50	0.00	35,413	3.54	0.20	20.156
139.00	0.00	35,058	3.53	0.20	20.165
139.50	0.00	34,705	3.53	0.20	20.173
140.00	0.00	34,352	3.52	0.20	20.181
140.50	0.00	34,001	3.52	0.19	20.189
141.00	0.00	33,651	3.51	0.19	20.197
141.50	0.00	33,302	3.51	0.19	20.205
142.00	0.00	32,954	3.50	0.19	20.213
142.50	0.00	32,607	3.50	0.19	20.221
143.00	0.00	32,262	3.49	0.19	20.229
143.50	0.00	31,918	3.48	0.19	20.237
144.00	0.00	31,575	3.48	0.19	20.244
144.50	0.00	31,233	3.47	0.19	20.252
145.00	0.00	30,892	3.47	0.19	20.260
145.50	0.00	30,553	3.46	0.19	20.268
146.00	0.00	30,214	3.46	0.19	20.276
146.50	0.00	29,877	3.45	0.19	20.283
147.00	0.00	29,542	3.45	0.19	20.291
147.50	0.00	29,207	3.44	0.19	20.299
148.00	0.00	28,874	3.44	0.18	20.306
148.50	0.00	28,541	3.43	0.18	20.314
149.00	0.00	28,210	3.43	0.18	20.321
149.50	0.00	27,881	3.42	0.18	20.329
150.00	0.00	27,552	3.42	0.18	20.337

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Stage-Discharge for Pond 13P: Pond 2

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
3.00	0.00	3.52	0.20	4.04	0.25	4.56	2.65
3.01	0.10	3.53	0.20	4.05	0.25	4.57	2.77
3.02	0.10	3.54	0.20	4.06	0.25	4.58	2.89
3.03	0.10	3.55	0.20	4.07	0.25	4.59	3.02
3.04	0.11	3.56	0.20	4.08	0.25	4.60	3.15
3.05	0.11	3.57	0.20	4.09	0.25	4.61	3.28
3.06	0.11	3.58	0.20	4.10	0.26	4.62	3.42
3.07	0.11	3.59	0.20	4.11	0.26	4.63	3.56
3.08	0.11	3.60	0.20	4.12	0.26	4.64	3.70
3.09	0.12	3.61	0.21	4.13	0.26	4.65	3.84
3.10	0.12	3.62	0.21	4.14	0.26	4.66	3.98
3.11	0.12	3.63	0.21	4.15	0.26	4.67	4.13
3.12	0.13	3.64	0.21	4.16	0.26	4.68	4.28
3.13	0.13	3.65	0.21	4.17	0.26	4.69	4.43
3.14	0.13	3.66	0.21	4.18	0.26	4.70	4.59
3.15	0.14	3.67	0.21	4.19	0.26	4.71	4.74
3.16	0.14	3.68	0.21	4.20	0.26	4.72	4.90
3.17	0.14	3.69	0.21	4.21	0.26	4.73	5.06
3.18	0.14	3.70	0.22	4.22	0.27	4.74	5.23
3.19	0.14	3.71	0.22	4.23	0.27	4.75	5.39
3.20	0.15	3.72	0.22	4.24	0.27	4.76	5.56
3.21	0.15	3.73	0.22	4.25	0.27	4.77	5.73
3.22	0.15	3.74	0.22	4.26	0.28	4.78	5.91
3.23	0.15	3.75	0.22	4.27	0.31	4.79	6.08
3.24	0.15	3.76	0.22	4.28	0.34	4.80	6.26
3.25	0.16	3.77	0.22	4.29	0.37	4.81	6.44
3.26	0.16	3.78	0.22	4.30	0.41	4.82	6.62
3.27	0.16	3.79	0.23	4.31	0.46	4.83	6.81
3.28	0.16	3.80	0.23	4.32	0.51	4.84	6.99
3.29	0.16	3.81	0.23	4.33	0.56	4.85	7.18
3.30	0.16	3.82	0.23	4.34	0.62	4.86	7.38
3.31	0.17	3.83	0.23	4.35	0.68	4.87	7.57
3.32	0.17	3.84	0.23	4.36	0.75	4.88	7.77
3.33	0.17	3.85	0.23	4.37	0.81	4.89	7.97
3.34	0.17	3.86	0.23	4.38	0.88	4.90	8.17
3.35	0.17	3.87	0.23	4.39	0.96	4.91	8.37
3.36	0.17	3.88	0.23	4.40	1.04	4.92	8.58
3.37	0.18	3.89	0.24	4.41	1.12	4.93	8.79
3.38	0.18	3.90	0.24	4.42	1.20	4.94	9.00
3.39	0.18	3.91	0.24	4.43	1.28	4.95	9.21
3.40	0.18	3.92	0.24	4.44	1.37	4.96	9.43
3.41	0.18	3.93	0.24	4.45	1.46	4.97	9.64
3.42	0.18	3.94	0.24	4.46	1.56	4.98	9.86
3.43	0.18	3.95	0.24	4.47	1.66	4.99	10.09
3.44	0.19	3.96	0.24	4.48	1.76	5.00	10.31
3.45	0.19	3.97	0.24	4.49	1.86	5.01	10.54
3.46	0.19	3.98	0.24	4.50	1.96	5.02	10.77
3.47	0.19	3.99	0.25	4.51	2.07	5.03	11.00
3.48	0.19	4.00	0.25	4.52	2.18	5.04	11.24
3.49	0.19	4.01	0.25	4.53	2.29	5.05	11.47
3.50	0.19	4.02	0.25	4.54	2.41	5.06	11.71
3.51	0.19	4.03	0.25	4.55	2.53	5.07	11.95

Proposed Stormwater Model REV 1

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Stage-Discharge for Pond 13P: Pond 2 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
5.08	12.20	5.60	28.90	6.12	61.86
5.09	12.44	5.61	29.38	6.13	62.65
5.10	12.69	5.62	29.86	6.14	63.45
5.11	12.94	5.63	30.36	6.15	64.25
5.12	13.20	5.64	30.85	6.16	65.06
5.13	13.45	5.65	31.36	6.17	65.88
5.14	13.71	5.66	31.88	6.18	66.70
5.15	13.97	5.67	32.40	6.19	67.52
5.16	14.24	5.68	32.92	6.20	68.36
5.17	14.50	5.69	33.45	6.21	69.19
5.18	14.77	5.70	33.99	6.22	70.04
5.19	15.04	5.71	34.54	6.23	70.89
5.20	15.31	5.72	35.09	6.24	71.74
5.21	15.59	5.73	35.65	6.25	72.60
5.22	15.86	5.74	36.22	6.26	73.47
5.23	16.14	5.75	36.79	6.27	74.34
5.24	16.43	5.76	37.36	6.28	75.22
5.25	16.71	5.77	37.95	6.29	76.11
5.26	17.00	5.78	38.54	6.30	77.00
5.27	17.29	5.79	39.13	6.31	77.90
5.28	17.58	5.80	39.73	6.32	78.81
5.29	17.87	5.81	40.34	6.33	79.73
5.30	18.17	5.82	40.95	6.34	80.65
5.31	18.47	5.83	41.57	6.35	81.58
5.32	18.77	5.84	42.19	6.36	82.51
5.33	19.07	5.85	42.82	6.37	83.45
5.34	19.38	5.86	43.45	6.38	84.40
5.35	19.69	5.87	44.09	6.39	85.35
5.36	20.00	5.88	44.74	6.40	86.31
5.37	20.32	5.89	45.39	6.41	87.28
5.38	20.63	5.90	46.05	6.42	88.25
5.39	20.95	5.91	46.71	6.43	89.23
5.40	21.27	5.92	47.38	6.44	90.21
5.41	21.60	5.93	48.05	6.45	91.20
5.42	21.92	5.94	48.73	6.46	92.20
5.43	22.25	5.95	49.41	6.47	93.20
5.44	22.58	5.96	50.10	6.48	94.21
5.45	22.92	5.97	50.79	6.49	95.22
5.46	23.25	5.98	51.49	6.50	96.24
5.47	23.59	5.99	52.20		
5.48	23.93	6.00	52.91		
5.49	24.27	6.01	53.62		
5.50	24.62	6.02	54.34		
5.51	24.99	6.03	55.07		
5.52	25.38	6.04	55.80		
5.53	25.79	6.05	56.54		
5.54	26.20	6.06	57.28		
5.55	26.63	6.07	58.02		
5.56	27.07	6.08	58.78		
5.57	27.51	6.09	59.53		
5.58	27.97	6.10	60.29		
5.59	28.43	6.11	61.08		

Proposed Stormwater Model REV 1

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Stage-Area-Storage for Pond 13P: Pond 2

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
3.00	0	3.52	34,245	4.04	68,802
3.01	659	3.53	34,904	4.05	69,538
3.02	1,317	3.54	35,562	4.06	70,275
3.03	1,976	3.55	36,221	4.07	71,011
3.04	2,634	3.56	36,879	4.08	71,747
3.05	3,293	3.57	37,538	4.09	72,484
3.06	3,951	3.58	38,196	4.10	73,220
3.07	4,610	3.59	38,855	4.11	73,957
3.08	5,268	3.60	39,514	4.12	74,693
3.09	5,927	3.61	40,172	4.13	75,430
3.10	6,586	3.62	40,831	4.14	76,166
3.11	7,244	3.63	41,489	4.15	76,902
3.12	7,903	3.64	42,148	4.16	77,639
3.13	8,561	3.65	42,806	4.17	78,375
3.14	9,220	3.66	43,465	4.18	79,112
3.15	9,878	3.67	44,124	4.19	79,848
3.16	10,537	3.68	44,782	4.20	80,585
3.17	11,196	3.69	45,441	4.21	81,321
3.18	11,854	3.70	46,099	4.22	82,057
3.19	12,513	3.71	46,758	4.23	82,794
3.20	13,171	3.72	47,416	4.24	83,530
3.21	13,830	3.73	48,075	4.25	84,267
3.22	14,488	3.74	48,733	4.26	85,003
3.23	15,147	3.75	49,392	4.27	85,740
3.24	15,805	3.76	50,051	4.28	86,476
3.25	16,464	3.77	50,709	4.29	87,212
3.26	17,123	3.78	51,368	4.30	87,949
3.27	17,781	3.79	52,026	4.31	88,685
3.28	18,440	3.80	52,685	4.32	89,422
3.29	19,098	3.81	53,343	4.33	90,158
3.30	19,757	3.82	54,002	4.34	90,895
3.31	20,415	3.83	54,660	4.35	91,631
3.32	21,074	3.84	55,319	4.36	92,367
3.33	21,732	3.85	55,978	4.37	93,104
3.34	22,391	3.86	56,636	4.38	93,840
3.35	23,050	3.87	57,295	4.39	94,577
3.36	23,708	3.88	57,953	4.40	95,313
3.37	24,367	3.89	58,612	4.41	96,050
3.38	25,025	3.90	59,270	4.42	96,786
3.39	25,684	3.91	59,929	4.43	97,522
3.40	26,342	3.92	60,588	4.44	98,259
3.41	27,001	3.93	61,246	4.45	98,995
3.42	27,660	3.94	61,905	4.46	99,732
3.43	28,318	3.95	62,563	4.47	100,468
3.44	28,977	3.96	63,222	4.48	101,205
3.45	29,635	3.97	63,880	4.49	101,941
3.46	30,294	3.98	64,539	4.50	102,678
3.47	30,952	3.99	65,197	4.51	103,414
3.48	31,611	4.00	65,856	4.52	104,150
3.49	32,269	4.01	66,592	4.53	104,887
3.50	32,928	4.02	67,329	4.54	105,623
3.51	33,587	4.03	68,065	4.55	106,360

Proposed Stormwater Model REV 1

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Stage-Area-Storage for Pond 13P: Pond 2 (continued)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
4.56	107,096	5.08	145,992	5.60	188,194
4.57	107,833	5.09	146,803	5.61	189,006
4.58	108,569	5.10	147,615	5.62	189,818
4.59	109,305	5.11	148,426	5.63	190,629
4.60	110,042	5.12	149,238	5.64	191,441
4.61	110,778	5.13	150,050	5.65	192,252
4.62	111,515	5.14	150,861	5.66	193,064
4.63	112,251	5.15	151,673	5.67	193,876
4.64	112,988	5.16	152,484	5.68	194,687
4.65	113,724	5.17	153,296	5.69	195,499
4.66	114,460	5.18	154,108	5.70	196,310
4.67	115,197	5.19	154,919	5.71	197,122
4.68	115,933	5.20	155,731	5.72	197,933
4.69	116,670	5.21	156,542	5.73	198,745
4.70	117,406	5.22	157,354	5.74	199,557
4.71	118,143	5.23	158,166	5.75	200,368
4.72	118,879	5.24	158,977	5.76	201,180
4.73	119,615	5.25	159,789	5.77	201,991
4.74	120,352	5.26	160,600	5.78	202,803
4.75	121,088	5.27	161,412	5.79	203,615
4.76	121,825	5.28	162,224	5.80	204,426
4.77	122,561	5.29	163,035	5.81	205,238
4.78	123,298	5.30	163,847	5.82	206,049
4.79	124,034	5.31	164,658	5.83	206,861
4.80	124,770	5.32	165,470	5.84	207,673
4.81	125,507	5.33	166,281	5.85	208,484
4.82	126,243	5.34	167,093	5.86	209,296
4.83	126,980	5.35	167,905	5.87	210,107
4.84	127,716	5.36	168,716	5.88	210,919
4.85	128,453	5.37	169,528	5.89	211,731
4.86	129,189	5.38	170,339	5.90	212,542
4.87	129,925	5.39	171,151	5.91	213,354
4.88	130,662	5.40	171,963	5.92	214,165
4.89	131,398	5.41	172,774	5.93	214,977
4.90	132,135	5.42	173,586	5.94	215,788
4.91	132,871	5.43	174,397	5.95	216,600
4.92	133,608	5.44	175,209	5.96	217,412
4.93	134,344	5.45	176,021	5.97	218,223
4.94	135,080	5.46	176,832	5.98	219,035
4.95	135,817	5.47	177,644	5.99	219,846
4.96	136,553	5.48	178,455	6.00	220,658
4.97	137,290	5.49	179,267	6.01	221,527
4.98	138,026	5.50	180,079	6.02	222,395
4.99	138,763	5.51	180,890	6.03	223,264
5.00	139,499	5.52	181,702	6.04	224,132
5.01	140,311	5.53	182,513	6.05	225,001
5.02	141,122	5.54	183,325	6.06	225,869
5.03	141,934	5.55	184,136	6.07	226,738
5.04	142,745	5.56	184,948	6.08	227,606
5.05	143,557	5.57	185,760	6.09	228,475
5.06	144,369	5.58	186,571	6.10	229,343
5.07	145,180	5.59	187,383	6.11	230,212

Proposed Stormwater Model REV 1

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Stage-Area-Storage for Pond 13P: Pond 2 (continued)

Elevation (feet)	Storage (cubic-feet)
6.12	231,080
6.13	231,949
6.14	232,818
6.15	233,686
6.16	234,555
6.17	235,423
6.18	236,292
6.19	237,160
6.20	238,029
6.21	238,897
6.22	239,766
6.23	240,634
6.24	241,503
6.25	242,372
6.26	243,240
6.27	244,109
6.28	244,977
6.29	245,846
6.30	246,714
6.31	247,583
6.32	248,451
6.33	249,320
6.34	250,188
6.35	251,057
6.36	251,925
6.37	252,794
6.38	253,663
6.39	254,531
6.40	255,400
6.41	256,268
6.42	257,137
6.43	258,005
6.44	258,874
6.45	259,742
6.46	260,611
6.47	261,479
6.48	262,348
6.49	263,216
6.50	264,085

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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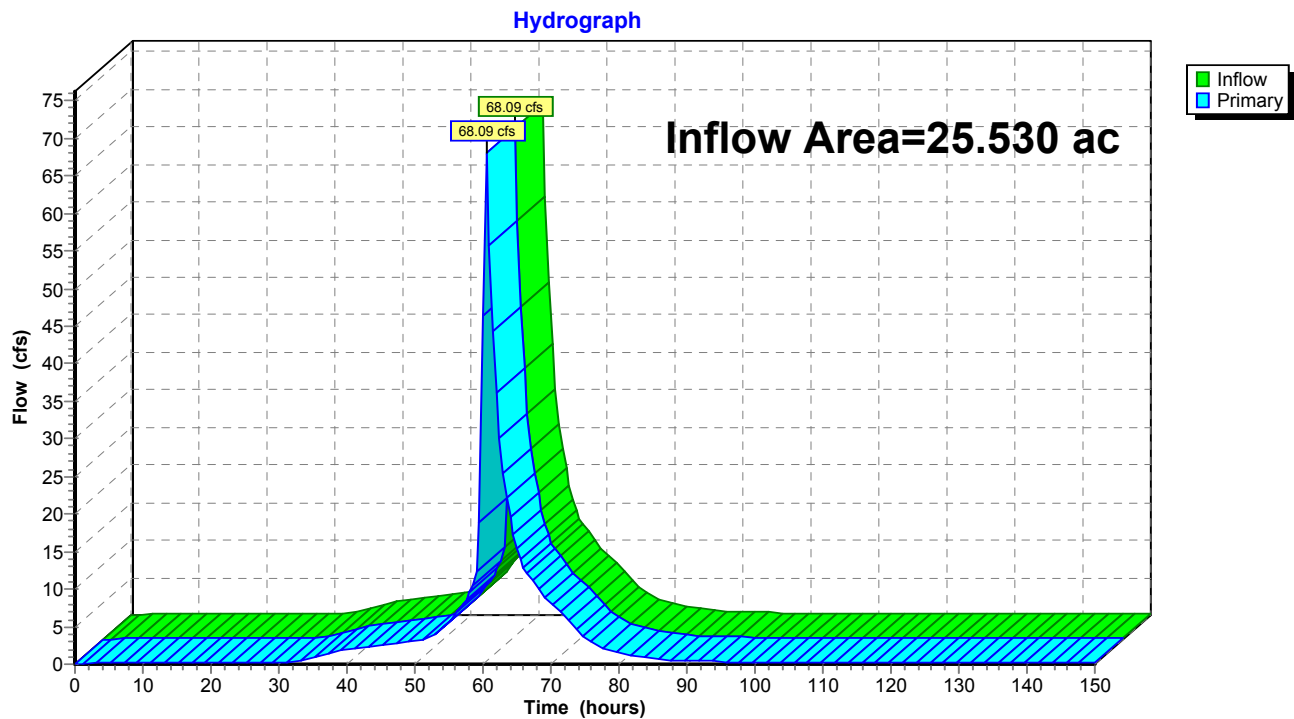
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Summary for Link 6L: Plant Cooling Water Discharge Canal

Inflow Area = 25.530 ac, 84.29% Impervious, Inflow Depth > 16.18" for 100YR-72HR event
Inflow = 68.09 cfs @ 60.57 hrs, Volume= 34.432 af
Primary = 68.09 cfs @ 60.57 hrs, Volume= 34.432 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs

Link 6L: Plant Cooling Water Discharge Canal



Proposed Stormwater Model REV 1

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Hydrograph for Link 6L: Plant Cooling Water Discharge Canal

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	26.00	0.29	0.00	0.29
0.50	0.00	0.00	0.00	26.50	0.30	0.00	0.30
1.00	0.06	0.00	0.06	27.00	0.30	0.00	0.30
1.50	0.20	0.00	0.20	27.50	0.30	0.00	0.30
2.00	0.20	0.00	0.20	28.00	0.30	0.00	0.30
2.50	0.20	0.00	0.20	28.50	0.31	0.00	0.31
3.00	0.20	0.00	0.20	29.00	0.31	0.00	0.31
3.50	0.20	0.00	0.20	29.50	0.31	0.00	0.31
4.00	0.21	0.00	0.21	30.00	0.31	0.00	0.31
4.50	0.21	0.00	0.21	30.50	0.32	0.00	0.32
5.00	0.21	0.00	0.21	31.00	0.32	0.00	0.32
5.50	0.21	0.00	0.21	31.50	0.32	0.00	0.32
6.00	0.21	0.00	0.21	32.00	0.32	0.00	0.32
6.50	0.21	0.00	0.21	32.50	0.33	0.00	0.33
7.00	0.22	0.00	0.22	33.00	0.34	0.00	0.34
7.50	0.22	0.00	0.22	33.50	0.42	0.00	0.42
8.00	0.22	0.00	0.22	34.00	0.52	0.00	0.52
8.50	0.22	0.00	0.22	34.50	0.64	0.00	0.64
9.00	0.22	0.00	0.22	35.00	0.76	0.00	0.76
9.50	0.23	0.00	0.23	35.50	0.89	0.00	0.89
10.00	0.23	0.00	0.23	36.00	1.01	0.00	1.01
10.50	0.23	0.00	0.23	36.50	1.14	0.00	1.14
11.00	0.23	0.00	0.23	37.00	1.27	0.00	1.27
11.50	0.23	0.00	0.23	37.50	1.39	0.00	1.39
12.00	0.24	0.00	0.24	38.00	1.50	0.00	1.50
12.50	0.24	0.00	0.24	38.50	1.62	0.00	1.62
13.00	0.24	0.00	0.24	39.00	1.72	0.00	1.72
13.50	0.24	0.00	0.24	39.50	1.82	0.00	1.82
14.00	0.25	0.00	0.25	40.00	1.92	0.00	1.92
14.50	0.25	0.00	0.25	40.50	2.01	0.00	2.01
15.00	0.25	0.00	0.25	41.00	2.09	0.00	2.09
15.50	0.25	0.00	0.25	41.50	2.17	0.00	2.17
16.00	0.25	0.00	0.25	42.00	2.24	0.00	2.24
16.50	0.26	0.00	0.26	42.50	2.31	0.00	2.31
17.00	0.26	0.00	0.26	43.00	2.37	0.00	2.37
17.50	0.26	0.00	0.26	43.50	2.42	0.00	2.42
18.00	0.26	0.00	0.26	44.00	2.48	0.00	2.48
18.50	0.26	0.00	0.26	44.50	2.52	0.00	2.52
19.00	0.26	0.00	0.26	45.00	2.57	0.00	2.57
19.50	0.27	0.00	0.27	45.50	2.61	0.00	2.61
20.00	0.27	0.00	0.27	46.00	2.64	0.00	2.64
20.50	0.27	0.00	0.27	46.50	2.68	0.00	2.68
21.00	0.27	0.00	0.27	47.00	2.71	0.00	2.71
21.50	0.27	0.00	0.27	47.50	2.74	0.00	2.74
22.00	0.28	0.00	0.28	48.00	2.79	0.00	2.79
22.50	0.28	0.00	0.28	48.50	2.86	0.00	2.86
23.00	0.28	0.00	0.28	49.00	2.92	0.00	2.92
23.50	0.28	0.00	0.28	49.50	2.97	0.00	2.97
24.00	0.28	0.00	0.28	50.00	3.03	0.00	3.03
24.50	0.29	0.00	0.29	50.50	3.12	0.00	3.12
25.00	0.29	0.00	0.29	51.00	3.22	0.00	3.22
25.50	0.29	0.00	0.29	51.50	3.34	0.00	3.34

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Prepared by Black & Veatch

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Hydrograph for Link 6L: Plant Cooling Water Discharge Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
52.00	3.48	0.00	3.48	78.00	2.03	0.00	2.03
52.50	3.67	0.00	3.67	78.50	1.86	0.00	1.86
53.00	3.95	0.00	3.95	79.00	1.71	0.00	1.71
53.50	4.26	0.00	4.26	79.50	1.58	0.00	1.58
54.00	4.62	0.00	4.62	80.00	1.46	0.00	1.46
54.50	5.03	0.00	5.03	80.50	1.35	0.00	1.35
55.00	5.50	0.00	5.50	81.00	1.26	0.00	1.26
55.50	6.02	0.00	6.02	81.50	1.17	0.00	1.17
56.00	6.57	0.00	6.57	82.00	1.10	0.00	1.10
56.50	7.21	0.00	7.21	82.50	1.03	0.00	1.03
57.00	7.94	0.00	7.94	83.00	0.96	0.00	0.96
57.50	8.73	0.00	8.73	83.50	0.90	0.00	0.90
58.00	9.57	0.00	9.57	84.00	0.85	0.00	0.85
58.50	10.60	0.00	10.60	84.50	0.80	0.00	0.80
59.00	12.31	0.00	12.31	85.00	0.76	0.00	0.76
59.50	18.87	0.00	18.87	85.50	0.72	0.00	0.72
60.00	46.41	0.00	46.41	86.00	0.68	0.00	0.68
60.50	67.77	0.00	67.77	86.50	0.65	0.00	0.65
61.00	55.74	0.00	55.74	87.00	0.62	0.00	0.62
61.50	44.33	0.00	44.33	87.50	0.59	0.00	0.59
62.00	36.15	0.00	36.15	88.00	0.56	0.00	0.56
62.50	30.00	0.00	30.00	88.50	0.54	0.00	0.54
63.00	25.44	0.00	25.44	89.00	0.51	0.00	0.51
63.50	22.10	0.00	22.10	89.50	0.49	0.00	0.49
64.00	19.48	0.00	19.48	90.00	0.47	0.00	0.47
64.50	17.24	0.00	17.24	90.50	0.46	0.00	0.46
65.00	15.39	0.00	15.39	91.00	0.44	0.00	0.44
65.50	13.99	0.00	13.99	91.50	0.42	0.00	0.42
66.00	12.92	0.00	12.92	92.00	0.41	0.00	0.41
66.50	12.08	0.00	12.08	92.50	0.40	0.00	0.40
67.00	11.41	0.00	11.41	93.00	0.39	0.00	0.39
67.50	10.87	0.00	10.87	93.50	0.38	0.00	0.38
68.00	10.32	0.00	10.32	94.00	0.37	0.00	0.37
68.50	9.68	0.00	9.68	94.50	0.36	0.00	0.36
69.00	9.05	0.00	9.05	95.00	0.35	0.00	0.35
69.50	8.52	0.00	8.52	95.50	0.34	0.00	0.34
70.00	8.08	0.00	8.08	96.00	0.34	0.00	0.34
70.50	7.70	0.00	7.70	96.50	0.33	0.00	0.33
71.00	7.36	0.00	7.36	97.00	0.33	0.00	0.33
71.50	7.07	0.00	7.07	97.50	0.33	0.00	0.33
72.00	6.75	0.00	6.75	98.00	0.33	0.00	0.33
72.50	6.18	0.00	6.18	98.50	0.33	0.00	0.33
73.00	5.48	0.00	5.48	99.00	0.33	0.00	0.33
73.50	4.88	0.00	4.88	99.50	0.33	0.00	0.33
74.00	4.38	0.00	4.38	100.00	0.33	0.00	0.33
74.50	3.95	0.00	3.95	100.50	0.32	0.00	0.32
75.00	3.57	0.00	3.57	101.00	0.32	0.00	0.32
75.50	3.24	0.00	3.24	101.50	0.32	0.00	0.32
76.00	2.94	0.00	2.94	102.00	0.32	0.00	0.32
76.50	2.67	0.00	2.67	102.50	0.32	0.00	0.32
77.00	2.43	0.00	2.43	103.00	0.32	0.00	0.32
77.50	2.22	0.00	2.22	103.50	0.32	0.00	0.32

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Prepared by Black & Veatch

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Hydrograph for Link 6L: Plant Cooling Water Discharge Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
104.00	0.32	0.00	0.32	130.00	0.31	0.00	0.31
104.50	0.32	0.00	0.32	130.50	0.31	0.00	0.31
105.00	0.32	0.00	0.32	131.00	0.31	0.00	0.31
105.50	0.32	0.00	0.32	131.50	0.31	0.00	0.31
106.00	0.32	0.00	0.32	132.00	0.31	0.00	0.31
106.50	0.32	0.00	0.32	132.50	0.31	0.00	0.31
107.00	0.32	0.00	0.32	133.00	0.31	0.00	0.31
107.50	0.32	0.00	0.32	133.50	0.31	0.00	0.31
108.00	0.32	0.00	0.32	134.00	0.31	0.00	0.31
108.50	0.32	0.00	0.32	134.50	0.31	0.00	0.31
109.00	0.32	0.00	0.32	135.00	0.31	0.00	0.31
109.50	0.32	0.00	0.32	135.50	0.31	0.00	0.31
110.00	0.32	0.00	0.32	136.00	0.31	0.00	0.31
110.50	0.32	0.00	0.32	136.50	0.31	0.00	0.31
111.00	0.32	0.00	0.32	137.00	0.31	0.00	0.31
111.50	0.32	0.00	0.32	137.50	0.31	0.00	0.31
112.00	0.32	0.00	0.32	138.00	0.31	0.00	0.31
112.50	0.32	0.00	0.32	138.50	0.30	0.00	0.30
113.00	0.32	0.00	0.32	139.00	0.30	0.00	0.30
113.50	0.32	0.00	0.32	139.50	0.30	0.00	0.30
114.00	0.32	0.00	0.32	140.00	0.30	0.00	0.30
114.50	0.32	0.00	0.32	140.50	0.30	0.00	0.30
115.00	0.32	0.00	0.32	141.00	0.30	0.00	0.30
115.50	0.32	0.00	0.32	141.50	0.30	0.00	0.30
116.00	0.32	0.00	0.32	142.00	0.30	0.00	0.30
116.50	0.32	0.00	0.32	142.50	0.30	0.00	0.30
117.00	0.32	0.00	0.32	143.00	0.30	0.00	0.30
117.50	0.32	0.00	0.32	143.50	0.30	0.00	0.30
118.00	0.32	0.00	0.32	144.00	0.30	0.00	0.30
118.50	0.32	0.00	0.32	144.50	0.30	0.00	0.30
119.00	0.32	0.00	0.32	145.00	0.30	0.00	0.30
119.50	0.31	0.00	0.31	145.50	0.30	0.00	0.30
120.00	0.31	0.00	0.31	146.00	0.30	0.00	0.30
120.50	0.31	0.00	0.31	146.50	0.30	0.00	0.30
121.00	0.31	0.00	0.31	147.00	0.30	0.00	0.30
121.50	0.31	0.00	0.31	147.50	0.30	0.00	0.30
122.00	0.31	0.00	0.31	148.00	0.30	0.00	0.30
122.50	0.31	0.00	0.31	148.50	0.30	0.00	0.30
123.00	0.31	0.00	0.31	149.00	0.30	0.00	0.30
123.50	0.31	0.00	0.31	149.50	0.30	0.00	0.30
124.00	0.31	0.00	0.31	150.00	0.30	0.00	0.30
124.50	0.31	0.00	0.31				
125.00	0.31	0.00	0.31				
125.50	0.31	0.00	0.31				
126.00	0.31	0.00	0.31				
126.50	0.31	0.00	0.31				
127.00	0.31	0.00	0.31				
127.50	0.31	0.00	0.31				
128.00	0.31	0.00	0.31				
128.50	0.31	0.00	0.31				
129.00	0.31	0.00	0.31				
129.50	0.31	0.00	0.31				

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Prepared by Black & Veatch

Printed 6/5/2017

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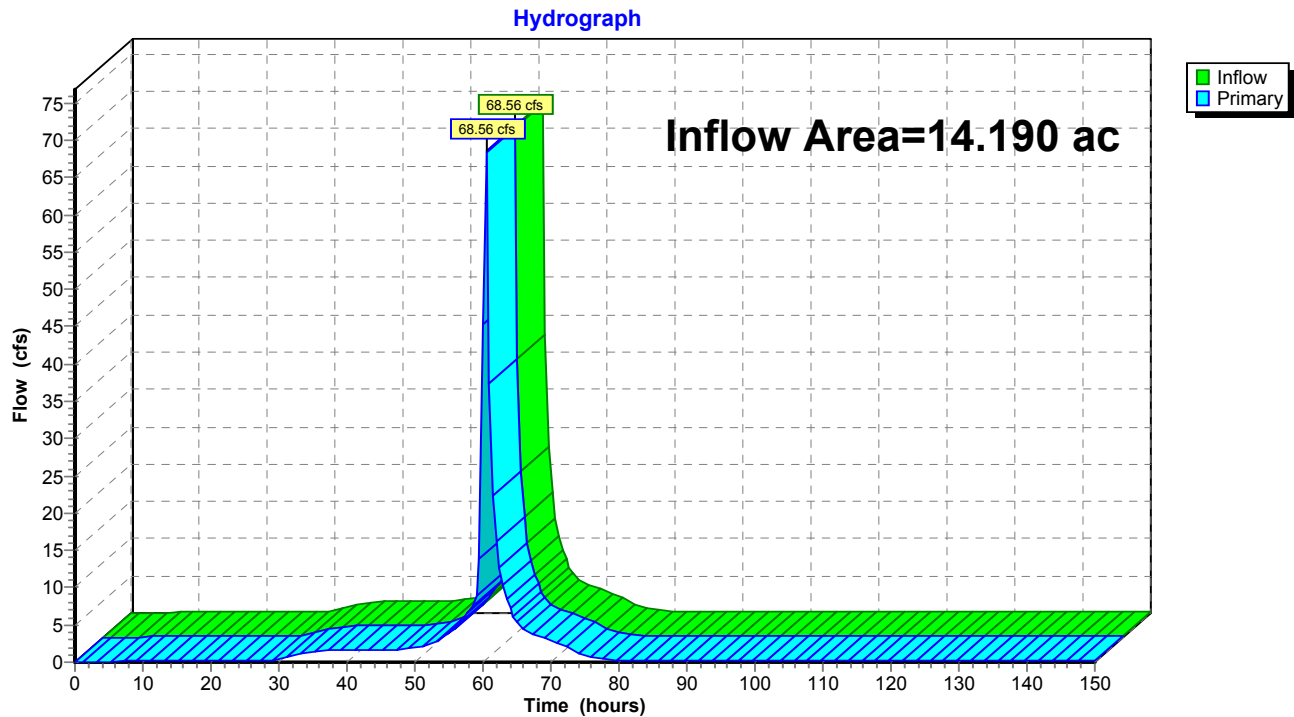
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Summary for Link 14L: Dania Cutoff Canal

Inflow Area = 14.190 ac, 84.71% Impervious, Inflow Depth > 17.20" for 100YR-72HR event
Inflow = 68.56 cfs @ 60.46 hrs, Volume= 20.337 af
Primary = 68.56 cfs @ 60.46 hrs, Volume= 20.337 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-150.00 hrs, dt= 0.50 hrs

Link 14L: Dania Cutoff Canal



Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Link 14L: Dania Cutoff Canal

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.00	0.00	26.00	0.25	0.00	0.25
0.50	0.00	0.00	0.00	26.50	0.25	0.00	0.25
1.00	0.05	0.00	0.05	27.00	0.25	0.00	0.25
1.50	0.10	0.00	0.10	27.50	0.26	0.00	0.26
2.00	0.10	0.00	0.10	28.00	0.26	0.00	0.26
2.50	0.10	0.00	0.10	28.50	0.26	0.00	0.26
3.00	0.10	0.00	0.10	29.00	0.27	0.00	0.27
3.50	0.10	0.00	0.10	29.50	0.28	0.00	0.28
4.00	0.10	0.00	0.10	30.00	0.39	0.00	0.39
4.50	0.11	0.00	0.11	30.50	0.55	0.00	0.55
5.00	0.11	0.00	0.11	31.00	0.71	0.00	0.71
5.50	0.11	0.00	0.11	31.50	0.86	0.00	0.86
6.00	0.12	0.00	0.12	32.00	0.99	0.00	0.99
6.50	0.12	0.00	0.12	32.50	1.11	0.00	1.11
7.00	0.13	0.00	0.13	33.00	1.21	0.00	1.21
7.50	0.13	0.00	0.13	33.50	1.29	0.00	1.29
8.00	0.14	0.00	0.14	34.00	1.37	0.00	1.37
8.50	0.14	0.00	0.14	34.50	1.42	0.00	1.42
9.00	0.15	0.00	0.15	35.00	1.47	0.00	1.47
9.50	0.15	0.00	0.15	35.50	1.51	0.00	1.51
10.00	0.16	0.00	0.16	36.00	1.55	0.00	1.55
10.50	0.16	0.00	0.16	36.50	1.57	0.00	1.57
11.00	0.16	0.00	0.16	37.00	1.59	0.00	1.59
11.50	0.17	0.00	0.17	37.50	1.61	0.00	1.61
12.00	0.17	0.00	0.17	38.00	1.62	0.00	1.62
12.50	0.17	0.00	0.17	38.50	1.63	0.00	1.63
13.00	0.18	0.00	0.18	39.00	1.64	0.00	1.64
13.50	0.18	0.00	0.18	39.50	1.65	0.00	1.65
14.00	0.18	0.00	0.18	40.00	1.65	0.00	1.65
14.50	0.19	0.00	0.19	40.50	1.66	0.00	1.66
15.00	0.19	0.00	0.19	41.00	1.66	0.00	1.66
15.50	0.19	0.00	0.19	41.50	1.67	0.00	1.67
16.00	0.19	0.00	0.19	42.00	1.67	0.00	1.67
16.50	0.20	0.00	0.20	42.50	1.67	0.00	1.67
17.00	0.20	0.00	0.20	43.00	1.67	0.00	1.67
17.50	0.20	0.00	0.20	43.50	1.68	0.00	1.68
18.00	0.21	0.00	0.21	44.00	1.68	0.00	1.68
18.50	0.21	0.00	0.21	44.50	1.68	0.00	1.68
19.00	0.21	0.00	0.21	45.00	1.68	0.00	1.68
19.50	0.21	0.00	0.21	45.50	1.68	0.00	1.68
20.00	0.22	0.00	0.22	46.00	1.68	0.00	1.68
20.50	0.22	0.00	0.22	46.50	1.68	0.00	1.68
21.00	0.22	0.00	0.22	47.00	1.68	0.00	1.68
21.50	0.22	0.00	0.22	47.50	1.68	0.00	1.68
22.00	0.23	0.00	0.23	48.00	1.70	0.00	1.70
22.50	0.23	0.00	0.23	48.50	1.75	0.00	1.75
23.00	0.23	0.00	0.23	49.00	1.79	0.00	1.79
23.50	0.23	0.00	0.23	49.50	1.82	0.00	1.82
24.00	0.24	0.00	0.24	50.00	1.86	0.00	1.86
24.50	0.24	0.00	0.24	50.50	1.91	0.00	1.91
25.00	0.24	0.00	0.24	51.00	2.00	0.00	2.00
25.50	0.24	0.00	0.24	51.50	2.09	0.00	2.09

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

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Hydrograph for Link 14L: Dania Cutoff Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
52.00	2.19	0.00	2.19	78.00	0.36	0.00	0.36
52.50	2.35	0.00	2.35	78.50	0.33	0.00	0.33
53.00	2.58	0.00	2.58	79.00	0.31	0.00	0.31
53.50	2.85	0.00	2.85	79.50	0.29	0.00	0.29
54.00	3.14	0.00	3.14	80.00	0.28	0.00	0.28
54.50	3.48	0.00	3.48	80.50	0.27	0.00	0.27
55.00	3.85	0.00	3.85	81.00	0.27	0.00	0.27
55.50	4.25	0.00	4.25	81.50	0.27	0.00	0.27
56.00	4.66	0.00	4.66	82.00	0.27	0.00	0.27
56.50	5.12	0.00	5.12	82.50	0.27	0.00	0.27
57.00	5.65	0.00	5.65	83.00	0.27	0.00	0.27
57.50	6.22	0.00	6.22	83.50	0.26	0.00	0.26
58.00	6.80	0.00	6.80	84.00	0.26	0.00	0.26
58.50	7.50	0.00	7.50	84.50	0.26	0.00	0.26
59.00	8.83	0.00	8.83	85.00	0.26	0.00	0.26
59.50	13.92	0.00	13.92	85.50	0.26	0.00	0.26
60.00	45.26	0.00	45.26	86.00	0.26	0.00	0.26
60.50	68.42	0.00	68.42	86.50	0.26	0.00	0.26
61.00	37.43	0.00	37.43	87.00	0.26	0.00	0.26
61.50	22.29	0.00	22.29	87.50	0.26	0.00	0.26
62.00	16.26	0.00	16.26	88.00	0.26	0.00	0.26
62.50	12.63	0.00	12.63	88.50	0.26	0.00	0.26
63.00	10.23	0.00	10.23	89.00	0.26	0.00	0.26
63.50	8.50	0.00	8.50	89.50	0.26	0.00	0.26
64.00	7.28	0.00	7.28	90.00	0.26	0.00	0.26
64.50	6.21	0.00	6.21	90.50	0.26	0.00	0.26
65.00	5.31	0.00	5.31	91.00	0.26	0.00	0.26
65.50	4.71	0.00	4.71	91.50	0.26	0.00	0.26
66.00	4.32	0.00	4.32	92.00	0.26	0.00	0.26
66.50	4.07	0.00	4.07	92.50	0.25	0.00	0.25
67.00	3.90	0.00	3.90	93.00	0.25	0.00	0.25
67.50	3.80	0.00	3.80	93.50	0.25	0.00	0.25
68.00	3.69	0.00	3.69	94.00	0.25	0.00	0.25
68.50	3.45	0.00	3.45	94.50	0.25	0.00	0.25
69.00	3.16	0.00	3.16	95.00	0.25	0.00	0.25
69.50	2.93	0.00	2.93	95.50	0.25	0.00	0.25
70.00	2.77	0.00	2.77	96.00	0.25	0.00	0.25
70.50	2.65	0.00	2.65	96.50	0.25	0.00	0.25
71.00	2.56	0.00	2.56	97.00	0.25	0.00	0.25
71.50	2.50	0.00	2.50	97.50	0.25	0.00	0.25
72.00	2.42	0.00	2.42	98.00	0.25	0.00	0.25
72.50	2.15	0.00	2.15	98.50	0.25	0.00	0.25
73.00	1.72	0.00	1.72	99.00	0.25	0.00	0.25
73.50	1.37	0.00	1.37	99.50	0.25	0.00	0.25
74.00	1.11	0.00	1.11	100.00	0.25	0.00	0.25
74.50	0.92	0.00	0.92	100.50	0.25	0.00	0.25
75.00	0.77	0.00	0.77	101.00	0.25	0.00	0.25
75.50	0.66	0.00	0.66	101.50	0.24	0.00	0.24
76.00	0.57	0.00	0.57	102.00	0.24	0.00	0.24
76.50	0.50	0.00	0.50	102.50	0.24	0.00	0.24
77.00	0.44	0.00	0.44	103.00	0.24	0.00	0.24
77.50	0.40	0.00	0.40	103.50	0.24	0.00	0.24

Proposed Stormwater Model REV 1

SFWMD 72-hr 100YR-72HR Rainfall=18.40"

Prepared by Black & Veatch

Printed 6/5/2017

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Hydrograph for Link 14L: Dania Cutoff Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
104.00	0.24	0.00	0.24	130.00	0.21	0.00	0.21
104.50	0.24	0.00	0.24	130.50	0.21	0.00	0.21
105.00	0.24	0.00	0.24	131.00	0.21	0.00	0.21
105.50	0.24	0.00	0.24	131.50	0.21	0.00	0.21
106.00	0.24	0.00	0.24	132.00	0.21	0.00	0.21
106.50	0.24	0.00	0.24	132.50	0.21	0.00	0.21
107.00	0.24	0.00	0.24	133.00	0.20	0.00	0.20
107.50	0.24	0.00	0.24	133.50	0.20	0.00	0.20
108.00	0.24	0.00	0.24	134.00	0.20	0.00	0.20
108.50	0.24	0.00	0.24	134.50	0.20	0.00	0.20
109.00	0.24	0.00	0.24	135.00	0.20	0.00	0.20
109.50	0.23	0.00	0.23	135.50	0.20	0.00	0.20
110.00	0.23	0.00	0.23	136.00	0.20	0.00	0.20
110.50	0.23	0.00	0.23	136.50	0.20	0.00	0.20
111.00	0.23	0.00	0.23	137.00	0.20	0.00	0.20
111.50	0.23	0.00	0.23	137.50	0.20	0.00	0.20
112.00	0.23	0.00	0.23	138.00	0.20	0.00	0.20
112.50	0.23	0.00	0.23	138.50	0.20	0.00	0.20
113.00	0.23	0.00	0.23	139.00	0.20	0.00	0.20
113.50	0.23	0.00	0.23	139.50	0.20	0.00	0.20
114.00	0.23	0.00	0.23	140.00	0.20	0.00	0.20
114.50	0.23	0.00	0.23	140.50	0.19	0.00	0.19
115.00	0.23	0.00	0.23	141.00	0.19	0.00	0.19
115.50	0.23	0.00	0.23	141.50	0.19	0.00	0.19
116.00	0.23	0.00	0.23	142.00	0.19	0.00	0.19
116.50	0.23	0.00	0.23	142.50	0.19	0.00	0.19
117.00	0.23	0.00	0.23	143.00	0.19	0.00	0.19
117.50	0.22	0.00	0.22	143.50	0.19	0.00	0.19
118.00	0.22	0.00	0.22	144.00	0.19	0.00	0.19
118.50	0.22	0.00	0.22	144.50	0.19	0.00	0.19
119.00	0.22	0.00	0.22	145.00	0.19	0.00	0.19
119.50	0.22	0.00	0.22	145.50	0.19	0.00	0.19
120.00	0.22	0.00	0.22	146.00	0.19	0.00	0.19
120.50	0.22	0.00	0.22	146.50	0.19	0.00	0.19
121.00	0.22	0.00	0.22	147.00	0.19	0.00	0.19
121.50	0.22	0.00	0.22	147.50	0.19	0.00	0.19
122.00	0.22	0.00	0.22	148.00	0.18	0.00	0.18
122.50	0.22	0.00	0.22	148.50	0.18	0.00	0.18
123.00	0.22	0.00	0.22	149.00	0.18	0.00	0.18
123.50	0.22	0.00	0.22	149.50	0.18	0.00	0.18
124.00	0.22	0.00	0.22	150.00	0.18	0.00	0.18
124.50	0.22	0.00	0.22				
125.00	0.21	0.00	0.21				
125.50	0.21	0.00	0.21				
126.00	0.21	0.00	0.21				
126.50	0.21	0.00	0.21				
127.00	0.21	0.00	0.21				
127.50	0.21	0.00	0.21				
128.00	0.21	0.00	0.21				
128.50	0.21	0.00	0.21				
129.00	0.21	0.00	0.21				
129.50	0.21	0.00	0.21				

Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1102
Title: Main Plant Area Post-
Development Storm Water
Analysis

Prepared By: Orinta Jankauskaite
Date 6 June 2017
Verified By: J C Barranco Jr

Attachment 8
U.S. Department of Commerce Tidal Datums

BENCHMARK & DATUM ELEVATIONS
TIDE STATION NUMBER: 872-2951
DATE: 11-09-2007

STA. NAME	BENCH MARK ELEVATIONS			
	NGVD 29 FEET	NGVD 29 METERS	NAVD 88 FEET	NAVD 88 METERS
G 239 1965	+8.15	+2.483	+6.56	+1.999
F 239 1965	+9.76	+2.975	+8.18	+2.492
J 311 1970	+9.54	+2.909	+7.96	+2.426
TIDAL 2 RESET 1936	+5.33	+1.625	+3.75	+1.142
TIDAL 3 RESET 1936	+6.99	+2.132	+5.41	+1.649
NO 4 1934	+5.56	+1.696	+3.98	+1.213

DATE:11-09-2007
TIDE STATION NUMBER: 872-2951
TIDE STATION NAME: PORT EVERGLADES LAKE MABEL
TIDAL EPOCH: 1983-2001

ELEV OF TIDAL DATUMS BASED ON 1929 & 1988 DATUMS				
TIDAL DATUM	NGVD 29 FEET	NGVD 29 METERS	NAVD 88 FEET	NAVD 88 METERS
MHHW	+2.08	+0.635	+0.50	+0.152
MHW	+1.97	+0.600	+0.38	+0.117
MSL	+0.71	+0.216	-0.88	-0.267
MTL	+0.70	+0.214	-0.88	-0.269
MLW	-0.56	-0.172	-2.15	-0.655
MLLW	-0.73	-0.221	-2.31	-0.704

MR = 2.53 29/ft 0.772 29/m 2.53 88/ft 0.772 88/m

Published Bench Mark Sheet for 8722951
Florida Department of Environmental Protection
National Oceanic and Atmospheric Administration
National Ocean Service

Page 1 of 6

Station ID: 8722951	PUBLICATION DATE: 07/14/2003
Name: PORT EVERGLADES, LAKE MABEL	REVISED: 10/10/2007
FLORIDA	SENT TO NOS:
NOAA Chart: 11470	Latitude: 26° 5.5' N
USGS Quad: PORT EVERGLADES	Longitude: 080° 7.4' W

To reach the tidal bench marks from the intersection of U.S. Highway 1 (SE 6th Avenue) and Spangler Boulevard in Port Everglades, proceed east on Spangler Boulevard for 1.29 km (0.8 mi) to Eisenhower Boulevard and the port facilities.

The bench marks are located in the vicinity of the Customs House and slip No. 8. The tide gage and staff were located at the west end of slip No. 8.

T I D A L B E N C H M A R K S

BENCH MARK STAMPING: G 239 1965
DESIGNATION: G 239

MONUMENTATION:	Bench Mark Disk	VM#:
AGENCY/DISK TYPE:	US Coast and Geodetic Survey (USC&GS)	PID#: AD2479
SETTING CLASSIFICATION:	Concrete Monument	
HORIZONTAL DATUM:	NAVD 1927	
LATTITUDE/LONGITUDE:	N260532/W0800805	
MAGNETISM:	NO	
FIELD VISIT DATE:	06/19/2007	

The bench mark is 29.32 m (96.2 ft) south of the centerline of State Road 84, 18.29 m (60.0 ft) east of (parallel to SR 84) a sign reading ENTERING PORT EVERGLADES, 9.81 m (32.2 ft) south of a chain-link fence corner, 0.37 m (1.2 ft) west of a chain-link fence, and 0.30 m (1.0 ft) west of a carsonite witness post. The mark is a disk set flush in the top of a concrete monument projecting 5.18 cm (0.17 ft) above the level of the ground and about the same level as the street.

NOTE: To reach the mark from the intersection of I-75 and U.S. Highway 27 (I-75 exit 13, near Andytown) go east on I-75 for 8.04 km (5.0 mi) to the junction with I-595 east, exit right onto I-595 east, and go east along I-595 for 16.3 km (10.13 mi) to the junction with SR 84, go east on SR 84 for 7.5 km (4.661 mi) to the entrance into Port Everglades and the mark on the right.

Also, to reach the mark from the intersection of SR 84 and Eisenhower Boulevard in Port Everglades, go west on SR 84 for 1.00 km (0.62 mi) to the entrance of Port Everglades and the mark on the left.

Florida Department of Environmental Protection
National Oceanic and Atmospheric Administration
National Ocean Service

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Station ID: 8722951	PUBLICATION DATE: 07/14/2003
Name: PORT EVERGLADES, LAKE MABEL	REVISED: 10/10/2007
FLORIDA	SENT TO NOS:
NOAA Chart: 11470	Latitude: 26° 5.5' N
USGS Quad: PORT EVERGLADES	Longitude: 080° 7.4' W

T I D A L B E N C H M A R K S

BENCH MARK STAMPING: F 239 1965
DESIGNATION: F 239

MONUMENTATION:	Tidal Station Disk	VM#: 5702
AGENCY/DISK TYPE:	US Coast and Geodetic Survey (USC&GS)	PID# AD 2480
SETTING CLASSIFICATION:	Concrete Foundation	
HORIZONTAL DATUM:	NAVD 1927	
LATTITUDE/LONGITUDE:	N260532/W0800732	
MAGNETISM:	NO	
FIELD VISIT DATE:	06/19/2007	

The bench mark is 87.54 m (287.2 ft) west of the centerline of the southbound lanes of Eisenhower Boulevard, 15.39 m (50.5 ft) south of the face of curb on the south side of SR 84, 10.76 m (35.3 ft) west of the northeast corner of the U.S. Customs Building, 0.27 m (0.9 ft) west of the east edge of a concrete stoop, and 0.24 m (0.8 ft) south of the north edge of a concrete stoop.

NOTE: The mark is a disk set flush in the top of a concrete stoop at the front entrance of the U.S. Customs building, about 0.79 m (2.6 ft) above the level of State Road 84.

BENCH MARK STAMPING: J 311 1970
DESIGNATION: J 311

MONUMENTATION:	Tidal Station Disk	VM#:
AGENCY/DISK TYPE:	US Coast and Geodetic Survey (USC & GS)	PID#: AD2446
SETTING CLASSIFICATION:	Flagpole Base	
HORIZONTAL DATUM:	NAVD 1927	
LATTITUDE/LONGITUDE:	N260534/W0800729	
MAGNETISM:	NO	
FIELD VISIT DATE:	06/19/2007	

The bench mark is located at the junction of SR 84 and Eisenhower Boulevard; 19.96 m (65.5 ft) west of the back of curb on the west side of Eisenhower Boulevard; 11.49 m (37.7 ft) north of the centerline of SR 84; 1.74 m (5.7 ft) northeast of a metal flagpole; and 1.56 m (0.9 ft) southwest of the edge of a concrete slab surrounding a flagpole.

NOTE: The mark is a disk set flush in a concrete slab surrounding a flagpole about 0.91 m (3.0 ft) above the level of SR 84.

Florida Department of Environmental Protection
National Oceanic and Atmospheric Administration
National Ocean Service

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Station ID: 8722951	PUBLICATION DATE: 07/14/2003
Name: PORT EVERGLADES, LAKE MABEL	REVISED: 10/10/2007
FLORIDA	SENT TO NOS:
NOAA Chart: 11470	Latitude: 26° 5.5' N
USGS Quad: PORT EVERGLADES	Longitude: 080° 7.4' W

T I D A L B E N C H M A R K S

BENCH MARK STAMPING:	TIDAL 2 RESET 1936
DESIGNATION:	872 2951 TIDAL 2 1936

MONUMENTATION:	Tidal Station Disk	VM#:
AGENCY/DISK TYPE:	US Coast and Geodetic Survey (USC&GS)	PID#: AD2444
SETTING CLASSIFICATION:	Concrete Sea Wall	
HORIZONTAL DATUM:	NAVD 1927	
LATTITUDE/LONGITUDE:	N260532/W0800726	
MAGNETISM:	NO	
FIELD VISIT DATE:	06/19/2007	

The bench mark is in the concrete sea wall at the SW corner of slip No. 1; 73.76 m (242.0 ft) SW of Bench Mark TIDAL 3 RESET 1936; about 22.25 m (73.0 ft) south of the extended centerline of SW 24th Street; 1.34 m (4.4 ft) SW of the SW corner of the raised part of the sea wall, and about level with the ground.

BENCH MARK STAMPING:	TIDAL 3 RESET 1936
DESIGNATION:	872 2951 TIDAL 3

MONUMENTATION:	Tidal Station Disk	VM#:
AGENCY/DISK TYPE:	US Coast and Geodetic Survey (USC&GS)	PID#: AD2445
SETTING CLASSIFICATION:	Concrete Retaining Wall	
HORIZONTAL DATUM:	NAVD 1927	
LATTITUDE/LONGITUDE:	N260537/W0800726	
MAGNETISM:	NO	
FIELD VISIT DATE:	06/19/2007	

The bench mark is 84.43 m (277.0 ft) east of the centerline of Eisenhower Blvd, 2.90 m (9.5 ft) northeast of the northwest corner of a bathhouse; 25.91 m (85.0 ft) southeast of the southwest corner of a guard shack at gate 6-B, and set in the top of a retaining wall on the north side of boat slip #8.

NOTE: The mark is 24.99 m (82.0 ft) south of a gate set in the retaining wall. The street address is 2370 Eisenhower Blvd.

NOTE: To reach from the junction of State Road 84 and Eisenhower Boulevard, go north on Eisenhower Boulevard 0.03 km (0.1 mi) to the junction with a drive leading east through gate number 6-B, go east through gate number 6-B and find the mark on the right.

Florida Department of Environmental Protection
National Oceanic and Atmospheric Administration
National Ocean Service

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Station ID:	8722951	PUBLICATION DATE:	07/14/2003
Name:	PORT EVERGLADES, LAKE MABEL	REVISED:	10/10/2007
	FLORIDA	SENT TO NOS:	
NOAA Chart:	11470	Latitude:	26° 5.5' N
USGS Quad:	PORT EVERGLADES	Longitude:	080° 7.4' W

T I D A L B E N C H M A R K S

BENCH MARK STAMPING:	NO 4 1934
DESIGNATION:	872 2951 TIDAL 4

MONUMENTATION:	Tidal Station Disk	VM#:	5699
AGENCY/DISK TYPE:	US Coast and Geodetic Survey (USC&GS)	PID#:	AD2443
SETTING CLASSIFICATION:	Concrete Retaining Wall		
HORIZONTAL DATUM:	NAVD 1927		
LATTITUDE/LONGITUDE:	N260537/W0800726		
MAGNETISM:	NO		
FIELD VISIT DATE:	06/19/2007		

The bench mark is 58.40 m (191.6 ft) east of the centerline of the northbound lanes of Eisenhower Boulevard, 36.85 m (120.9 ft) north of the north edge of a ship docking slip, 25.09 m (82.3 ft) southeast of the southeast corner of a wood frame security building, 3.02 m (9.9 ft) east of a 45 degree bend in retaining wall, 2.99 m (9.8 ft) northeast of the northeast corner of a concrete block restroom building, 2.71 m (8.9 ft) east of tidal bench mark 872 2951 TIDAL 3 1936.

NOTE: The mark is a disk set vertically and flush in the face of a retaining wall supporting railroad loading dock, about 0.52 m (1.7 ft) above the level of the ground, about 0.36 m (1.2 ft) above the level of the railroad and about the same level as Eisenhower Boulevard.

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National Ocean Service

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Station ID: 8722951	PUBLICATION DATE: 07/14/2003
Name: PORT EVERGLADES, LAKE MABEL	REVISED: 10/10/2007
FLORIDA	SENT TO NOS:
NOAA Chart: 11470	Latitude: 26° 5.5' N
USGS Quad: PORT EVERGLADES	Longitude: 080° 7.4' W

T I D A L D A T U M S

Tidal datums at PORT EVERGLADES, LAKE MABEL based on:

LENGTH OF SERIES: 3 Years
TIME PERIOD: October 1970 - September 1973
TIDAL EPOCH: 1983-2001
CONTROL TIDE STATION: 8723170 MIAMI BEACH (CITY PIER)

Elevations of tidal datums referred to Mean Lower Low Water (MLLW), in METERS:

HIGHEST OBSERVED WATER LEVEL (10/25/1973)	=	1.347
MEAN HIGHER HIGH WATER (MHHW)	=	0.856
MEAN HIGH WATER (MHW)	=	0.821
NORTH AMERICAN VERTICAL DATUM-1988 (NAVD)	=	0.704
MEAN SEA LEVEL (MSL)	=	0.437
MEAN TIDE LEVEL (MTL)	=	0.435
MEAN LOW WATER (MLW)	=	0.049
MEAN LOWER LOW WATER (MLLW)	=	0.000
LOWEST OBSERVED WATER LEVEL (04/26/1971)	=	-0.387

Bench Mark Elevation Information In METERS above:

Stamping or Designation	MLLW	MHW
G 239 1965	2.704	1.883
F 239 1965	3.196	2.375
J 311 1970	3.130	2.309
TIDAL 2 RESET 1936	1.846	1.025
TIDAL 3 RESET 1936	2.353	1.532
NO 4 1934	1.917	1.096

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Station ID: 8722951	PUBLICATION DATE: 07/14/2003
Name: PORT EVERGLADES, LAKE MABEL	REVISED: 10/10/2007
FLORIDA	SENT TO NOS:
NOAA Chart: 11470	Latitude: 26° 5.5' N
USGS Quad: PORT EVERGLADES	Longitude: 080° 7.4' W

DEFINITIONS

Mean Sea Level (MSL) is a tidal datum determined over a 19-year National Tidal Datum Epoch. It pertains to local mean sea level and should not be confused with the fixed datums of North American Vertical Datum of 1988 (NAVD 88).

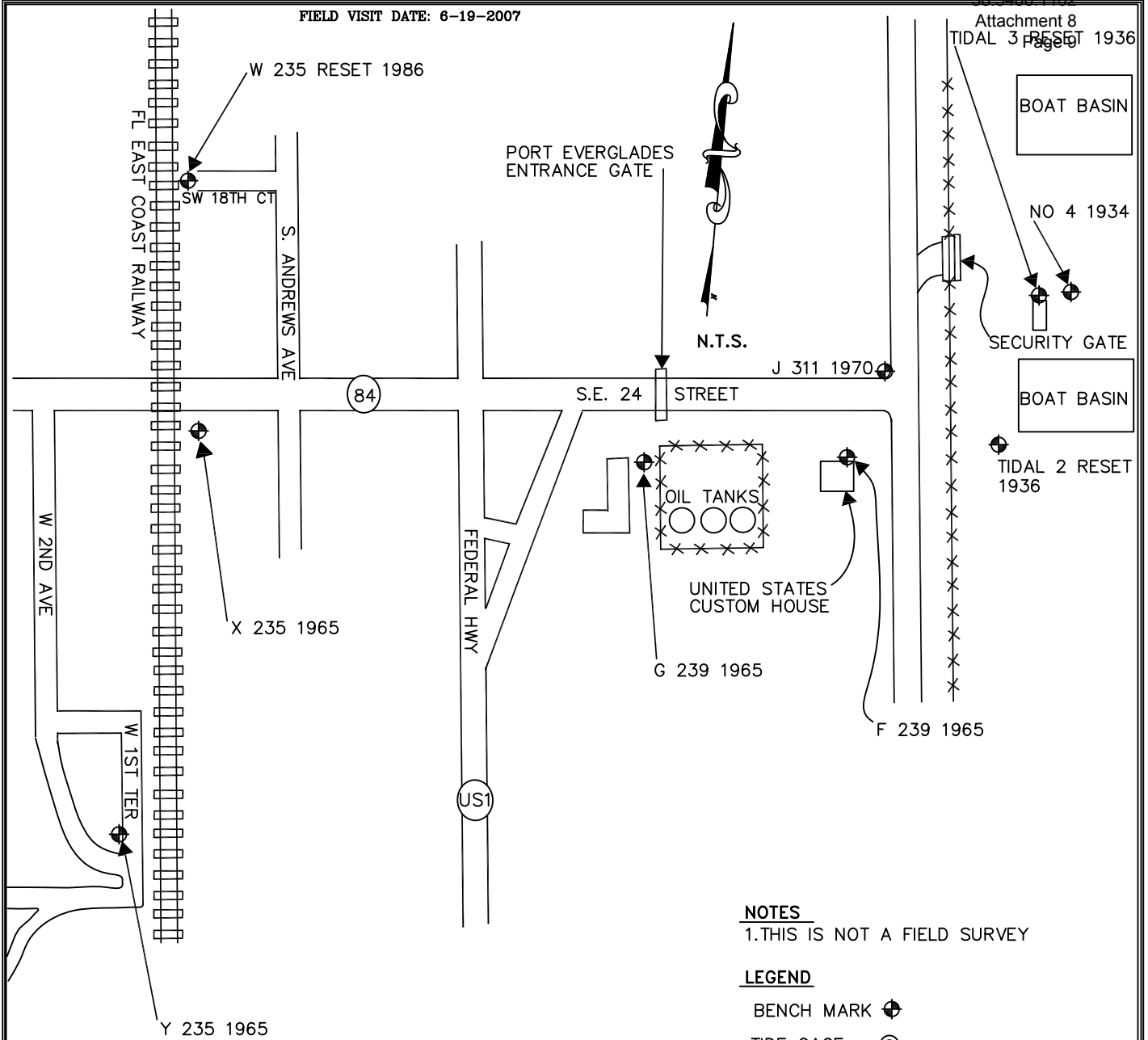
NGVD 29 is a fixed datum adopted as a national standard geodetic reference for heights but is now considered superseded. NGVD 29 is sometimes referred to as Sea Level Datum of 1929 or as Mean Sea Level on some early issues of Geological Survey Topographic Quads. NGVD 29 was originally derived from a general adjustment of the first-order leveling networks of the U.S. and Canada after holding mean sea level observed at 26 long term tide stations as fixed. Numerous local and wide-spread adjustments have been made since establishment in 1929. Bench mark elevations relative to NGVD 29 are available from the National Geodetic Survey (NGS) data base via the World Wide Web at [National Geodetic Survey](#).

NAVD 88 is a fixed datum derived from a simultaneous, least squares, minimum constraint adjustment of Canadian/Mexican/United States leveling observations. Local mean sea level observed at Father Point/Rimouski, Canada was held fixed as the single initial constraint. NAVD 88 replaces NGVD 29 as the national standard geodetic reference for heights. Bench mark elevations relative to NAVD 88 are available from NGS through the World Wide Web at [National Geodetic Survey](#).

NGVD 29 and NAVD 88 are fixed geodetic datums whose elevation relationships to local MSL and other tidal datums may not be consistent from one location to another.

The Vertical Mark Number (VM#) and PID# shown on the bench mark sheet are unique identifiers for bench marks in the tidal and geodetic databases, respectively. Each bench mark in either database has a single, unique VM# and/or PID# assigned. Where both VM# and PID# are indicated, both tidal and geodetic elevations are available for the bench mark listed.

The NAVD 88 elevation is shown on the Elevations of Tidal Datums Table Referred to MLLW only when two or more of the bench marks listed have NAVD 88 elevations. The NAVD 88 elevation relationship shown in the table is derived from an average of several bench mark elevations relative to tide station datum. As a result of this averaging, NAVD 88 bench mark elevations computed indirectly from the tidal datums elevation table may differ slightly from NAVD 88 elevations listed for each bench mark in the NGS database.

NOTES

1. THIS IS NOT A FIELD SURVEY

LEGEND

BENCH MARK

TIDE GAGE

TIDE STAFF

SKETCH OF TIDAL STATION
872-2951
PORT EVERGLADES-LAKE MABEL
TURNING BASIN
HOLLYWOOD, FL

LATITUDE: 26° 05' 30" N
LONGITUDE: 80° 07' 24" W
USGS QUAD: PORT EVERGLADES



DEPT. of ENVIRONMENTAL PROTECTION
BUREAU of SURVEY and MAPPING
3900 COMMONWEALTH BLVD. TALLAHASSEE, FL 32399
(850) 245-2808

DWG. NAME 872-2951

SCALE NOT TO SCALE

DRAWN BY C.S.

REVISED BY: J.R.H.

8-01-2007

COUNTY: BROWARD

S 23 T50S R42E

OFF. NO.

SHEET 1 OF 1



G 239 1965



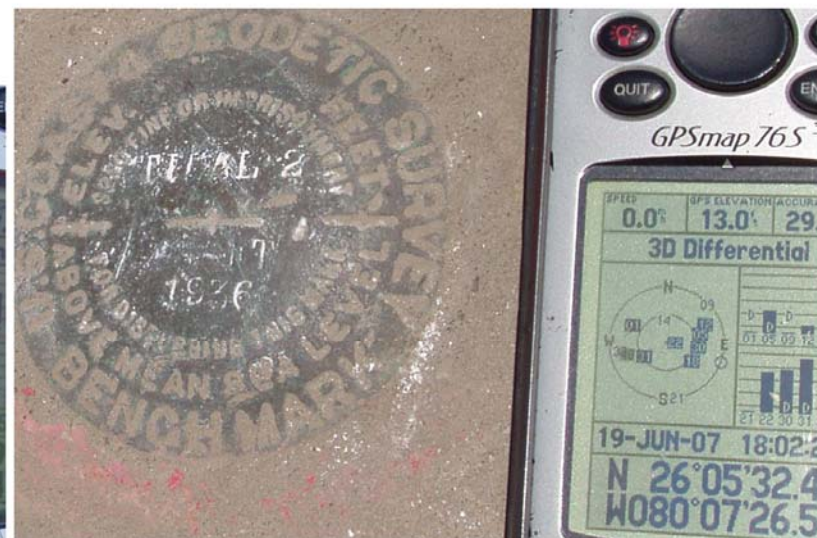
F 239 1965

872-2951
PORT EVERGLADES,
LAKE MABEL

PAGE 1 of 1



J 311 1970



TIDAL 2 RESET 1936



TIDAL 3 RESET 1936



NO 4 1934

BENCHMARK & DATUM ELEVATIONS
TIDE STATION ID: 872-2939
DATE: 10/27/2015

BENCH MARK ELEVATIONS			
STATION NAME		NAVD 88 FEET	NAVD 88 METERS
W 625 2007		3.99	1.216
G 311 1970		10.06	3.066
2939 A 1994		3.15	0.960
2939 B 1994		11.82	3.603
2939 K 1986		7.70	2.346
2939 L 2007		8.13	2.477
2939 M 2007		5.24	1.598

DATE: 10/27/2015
TIDE STATION ID: 872-2939
TIDE STATION
NAME: FT. LAUDERDALE BAHIA YACHT CLUB
TIDAL EPOCH: 1983-2001

ELEVATION OF TIDAL DATUMS BASED ON 1988 DATUMS			
TIDAL DATUM		NAVD 88 FEET	NAVD 88 METERS
MHHW		0.36	0.111
MHW		0.25	0.076
MSL		-0.94	-0.286
MTL		-0.94	-0.286
MLW		-2.13	-0.648
MLLW		-2.29	-0.697

MR= 2.38 88/FT 0.724 88/M

To reach the tidal bench marks from the intersection of State Highway Alternate A1A (Las Olas Boulevard and State Highway A1A (Seabreeze Boulevard in SE Fort Lauderdale, proceed south on State Highway A1A for 0.45 mile to the Fort Lauderdale South Beach Park parking lot across State Highway A1A (Seabreeze Boulevard) from the Bahia Mar Yacht Club. The bench marks are located throughout the Yacht Club Property and the park. The tide gage and staff were located on a pier at the south side of the North Yacht Basin.

T I D A L B E N C H M A R K S

PRIMARY BENCH MARK STAMPING: W 625 2007
DESIGNATION: W 625

MONUMENTATION:	Flange-encased Rod	VM#:	5699
AGENCY:	FL Dept. of Environmental Protection	PID#:	DM1516
SETTING CLASSIFICATION:	Stainless steel rod		
NAD 83(1986) POSITION:	26 06 01.1(N)	080 07 40.2(W)	HAND-HELD GPS

The bench mark is located 33.5 feet south of the centerline of the entrance drive of 17th Street Square, 32.3 feet west of the centerline of Southeast 15th Avenue, 29.7 feet north of the centerline of Southeast 17th Street's northernmost westbound lanes, 4.0 feet west of the west edge of a 5-foot wide concrete sidewalk, and 2.3 feet WSW of a carsonite witness post. The bench mark is a stainless steel rod driven to refusal at a depth of 22.0 feet, with a NGS logo cap flush with the ground and about 1.5 feet below the level of Southeast 17th Street. NOTE: A magnet was placed inside the NGS logo cap.



T I D A L B E N C H M A R K S

BENCH MARK STAMPING: **G 311 19+70**
DESIGNATION: **G 311**

MONUMENTATION: Bench Mark Disk
AGENCY: National Geodetic Survey [PID#: AD2449](#)
SETTING CLASSIFICATION: Concrete sidewalk
NAD 83(1986) POSITION: 26 06 01.4(N) 080 06 32.3(W) HAND-HELD GPS

The bench mark is a disk set in the top of the south end of the east sidewalk of a bridge over Mayan Lake, 162.0 feet north of the centerline of Marion Road, 19.2 feet east of the centerline of Ocean Drive, 1.0 foot north of the south end of the sidewalk, and about level with Ocean Drive.



T I D A L B E N C H M A R K S

BENCH MARK STAMPING: 2939 A 1994
DESIGNATION: 872 2939 A

MONUMENTATION: Bench Mark Disk
AGENCY: National Ocean Service [PID#: DM1514](#)
SETTING CLASSIFICATION: Concrete seawall
NAD 83(1986) POSITION: 26 06 49.9(N) 080 06 22.7(W) **HAND-HELD GPS**

The bench mark is a disk set in the top set flush in the top of a concrete seawall at the SE corner of the boat basin north of the Bahia Mar Yacht Club building, approximately 371.0 feet NNW of the pedestrian bridge over State Highway A1A, 186.7 feet north of the north wall of the Bahia Mar Yacht Club building, 172.0 feet west of the centerline of State Highway A1A (Seabreeze Boulevard) southbound lanes, 150.5 feet west of the west curb of the southbound lane of State Highway A1A, 30.6 feet west of the SW corner of a concrete box drain, 12.3 feet NNE of a wooden light pole, 10.0 feet north of the intersection of a north-south seawall and an east-west seawall, 3.6 feet NW of the NW corner of a 7-foot by 10-foot concrete base on an electric main substation labeled DSI, 2.1 feet east of the west edge of the seawall, and 0.5 foot west of the east edge of the seawall.



T I D A L B E N C H M A R K S

BENCH MARK STAMPING: 2939 B 1994
DESIGNATION: 872 2939 B

MONUMENTATION: Bench Mark Disk
AGENCY: National Ocean Service [PID#: DM1515](#)
SETTING CLASSIFICATION: Concrete bridge column
NAD 83(1986) POSITION: 26 06 45.4(N) 080 06 19.5(W) **HAND-HELD GPS**

The bench mark is a disk set vertically in the southern face of the southern-most piling supporting a pedestrian bridge over State Highway A1A at the Fort Lauderdale South Beach Park, 101.5 feet west of the east end of the bridge, 69.1 feet east of the centerline of State Highway A1A (Seabreeze Boulevard) northbound lanes, 53.8 feet east of the east curb of the northbound lane of A1A, 47.0 feet NNE of a concrete power pole in the grass median in the center of the parking lot, 45.0 feet west of the parking areas northbound driveway, 22.1 feet east of the parking areas southbound driveway, and 20.0 feet NE of a small palm tree.



T I D A L B E N C H M A R K S

BENCH MARK STAMPING: 2939 K 1986
DESIGNATION: 872 2939 K

MONUMENTATION: Bench Marek Disk
AGENCY: FL Department of Natural Resources
SETTING CLASSIFICATION: Concrete box drain
NAD 83(1986) POSITION:

PID#: AD8080

The bench mark is a disk set in the NE corner of a concrete box drain located in the parking lot of the Fort Lauderdale South Beach Park, 236.5 feet north (along the west curb of the parking lot) of the north edge of the pedestrian bridge over State Highway A1A, 24.2 feet east of the centerline of the northbound lane of State Highway A1A, 26.0 feet west of the centerline of the northbound lane of the parking lot, and 73.4 feet south of a concrete power pole with three transformers.



T I D A L B E N C H M A R K S

BENCH MARK STAMPING: 2939 L 2007
DESIGNATION: 872 2939 L

MONUMENTATION: Survey Disk
AGENCY: FL Dept. of Environmental Protection [PID#: DM1513](#)
SETTING CLASSIFICATION: Concrete monument
NAD 83(1986) POSITION: 26 06 54.0(N) 080 06 20.4(W) HAND-HELD GPS

The bench mark is a disk set in the top of a round concrete monument 442.0 feet south of bench mark 2939 M 2007, 88.3 feet SE of the SE corner of the USCG Auxiliary building, 30.7 feet west of the centerline of State Highway A1A (Seabreeze Boulevard), 22.6 feet south of the entrance drive of Camper and Nicholson International at 651 Seabreeze Boulevard, 6.7 feet SE of an information sign (Tow Away Zone), and 1.4 feet NW of a carsonite witness post.



T I D A L B E N C H M A R K S

BENCH MARK STAMPING: 2939 M 2007
DESIGNATION: 872 2939 M

MONUMENTATION: Flange-encased Rod
AGENCY: FL Dept. of Environmental Protection [PID#: DM1512](#)
SETTING CLASSIFICATION: Stainless steel rod
NAD 83(1986) POSITION: 26 06 54.0(N) 080 06 20.4(W) HAND-HELD GPS

The bench mark is located 442.0 feet south of bench mark 2939 L 2007, 46.5 feet east of the centerline of State Highway A1A (Seabreeze Boulevard), 45.6 feet south of the centerline of SE 5th Street (Leavitt Drive, Hall of Fame Drive), 11.2 feet SE of the mast arm traffic signal spanning SE 5th Street, 5.2 feet west of a 5-foot wide handicap sidewalk access, and 1.0 foot south of a carsonite witness post. The bench mark is a stainless steel rod driven to refusal a depth of 56.0 feet, with a NGS logo cap. NOTE: A magnet was placed inside the NGS logo cap.



T I D A L D A T U M S

Tidal datums at FT. LAUDERDALE BAHIA YACHT CLUB based on:

LENGTH OF SERIES: 1 YEAR
TIME PERIOD: May 1970 - April 1971
TIDAL EPOCH: 1983-2001
CONTROL TIDE STATION: 8723170 MIAMI BEACH (CITY PIER)

Elevations of tidal datums referred to Mean Lower Low Water (MLLW), in METERS:

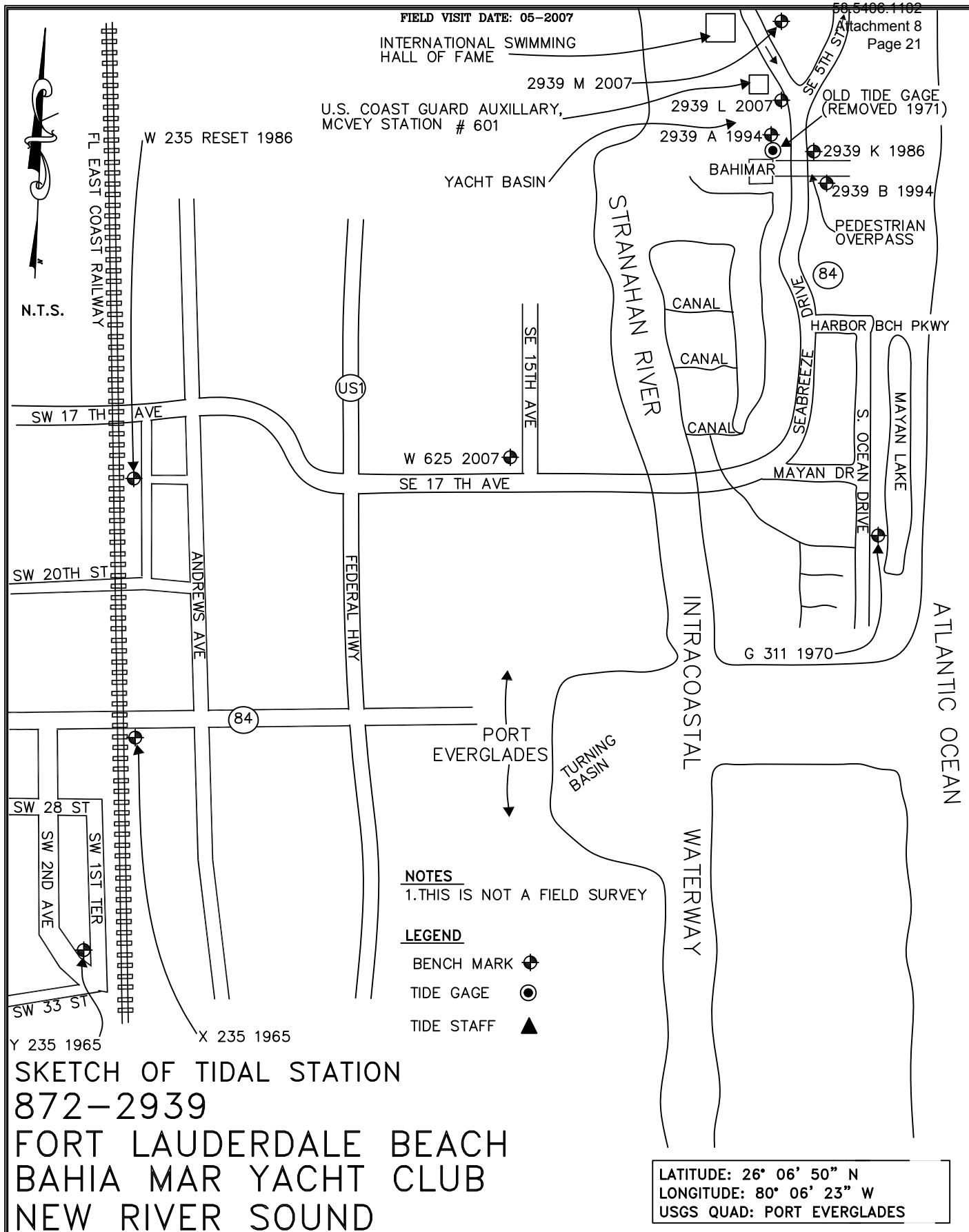
HIGHEST OBSERVED WATER LEVEL (10/25/1973)		=	1.138
MEAN HIGHER HIGH WATER	MHHW	=	0.808
MEAN HIGH WATER	MHW	=	0.773
North American Vertical Datum	NAVD88	=	0.697
MEAN SEA LEVEL	MSL	=	0.411
MEAN TIDE LEVEL	MTL	=	0.411
MEAN LOW WATER	MLW	=	0.049
MEAN LOWER LOW WATER	MLLW	=	0.000
LOWEST OBSERVED WATER LEVEL (04/26/1971)		=	-0.340

North American Vertical Datum (NAVD88)

Bench Mark Elevation Information

In METERS above:

Stamping or Designation	MLLW	MHW
W 625 2007	1.913	1.140
G 311 1970	3.763	2.990
2939 A 1994	1.657	0.884
2939 B 1994	4.300	3.527
2939 K 1986	3.043	2.270
2939 L 2007	3.174	2.401
2939 M 2007	2.295	1.522



DEPT. of ENVIRONMENTAL PROTECTION
BUREAU of SURVEY and MAPPING
3900 COMMONWEALTH BLVD. TALLAHASSEE, FL 32399
(850) 245-2606

UNKNOWN	SCALE NOT TO SCALE	COUNTY: BROWARD
	DRAWN BY C.S.	SEC 12 T50S R42W
	REVISED BY: J.R.H.	OFF. NO.
DWG. NAME 872-2939	07/24/07	SHEET 1 OF 1

X:\USERS\BSM\DRAWINGS\TIDESTA\872-2939

Tidal Datums for Dania Cutoff Canal

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Service[Datums Page](#)

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Station ID: 8722957 **PUBLICATION DATE:** 12/08/2010
Name: NORTH DANIA SOUND
FLORIDA
NOAA Chart: 11466 **Latitude:** 26° 4.8' N
USGS Quad: PORT EVERGLADES **Longitude:** 80° 6.7' W

To reach the tidal bench marks from the intersection of U.S. Highway 1 and State Highway A1A (East Dania Beach Boulevard) in Dania, proceed east on State Highway A1A for 3.22 km (2.0 mi) to North Ocean Drive, which leads north to John U. Lloyd State Recreation Area, then turn left and proceed north on North Ocean Drive for 3.08 km (1.9 mi) to a bridge over North Dania Sound. The bench marks are located on the bridge. The tide gage and staff were located on the SE bridge fender.

T I D A L B E N C H M A R K S

PRIMARY BENCH MARK STAMPING: NO 1 1973
DESIGNATION: 872 2957 TIDAL 1

MONUMENTATION: Tidal Station disk VM#: 5708
AGENCY: National Ocean Survey (NOS) [PID#: AD5883](#)
SETTING CLASSIFICATION: Concrete Bulkhead

The primary bench mark is a disk set in the bulkhead below the south end of the bridge on the west side of the road, 11.06 m (36.3 ft) south of a 45 degree corner in the bulkhead, 0.58 m (1.9 ft) north of the SW end of the bulkhead, and 1.83 m (6.0 ft) below road level.

BENCH MARK STAMPING: NO 2 1973
DESIGNATION: 872 2957 TIDAL 2

MONUMENTATION: Tidal Station disk VM#: 5709
AGENCY: National Ocean Survey (NOS) [PID#: AD5884](#)
SETTING CLASSIFICATION: Concrete bulkhead

The bench mark is a disk set in the south bulkhead under the bridge, 11.89 m (39.0 ft) east of a 45 degree corner in the bulkhead, 11.09 m (36.4 ft) west of another 45 degree corner, and 3.66 m (12.0 ft) below road level. NOTE: Stamping is nearly unreadable: see photo.

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Station ID: 8722957 PUBLICATION DATE: 12/08/2010
Name: NORTH DANIA SOUND
FLORIDA
NOAA Chart: 11466 Latitude: 26° 4.8' N
USGS Quad: PORT EVERGLADES Longitude: 80° 6.7' W

T I D A L B E N C H M A R K S

BENCH MARK STAMPING: NO 3 1973
DESIGNATION: 872 2957 TIDAL 3

MONUMENTATION: Tidal Station disk VM#: 5710
AGENCY: National Ocean Survey (NOS) [PID#: AD5885](#)
SETTING CLASSIFICATION: Concrete Bulkhead

The bench mark is a disk set in the concrete bulkhead, in the south bulkhead on the east side of the road, 11.16 m (36.6 ft) south of a 45 degree corner in the bulkhead, 0.30 m (1.0 ft) north of the SE end of the bulkhead, and 1.83 m (6.0 ft) below road level.

BENCH MARK STAMPING: 19.19
DESIGNATION: 19.19

MONUMENTATION: Survey disk VM#: 5711
AGENCY: Florida State Road Department (FLSRD) [PID#: AD2439](#)
SETTING CLASSIFICATION: Concrete Bridge Bannister

The bench mark is a disk set in the top of the banister of the bridge on the north end of the west banister of the bridge, 4.75 m (15.6 ft) west of the centerline of the road, 1.40 m (4.6 ft) south of the north end of the banister, and 0.91 m (3.0 ft) above road level.

BENCH MARK STAMPING: 19.65
DESIGNATION: 19.65

MONUMENTATION: Tidal Station disk VM#: 5712
AGENCY: Florida State Road Department (FLSRD) [PID#: AD2438](#)
SETTING CLASSIFICATION: Concrete Bridge Bannister

The bench mark is a disk set in the top of the banister of the bridge on the south end of the east banister of the bridge, 6.10 m (20.0 ft) east of the centerline of the road, 1.40 m (4.6 ft) north of the south end of the banister, and 0.91 m (3.0 ft) above road level.

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Station ID: 8722957 PUBLICATION DATE: 12/08/2010
Name: NORTH DANIA SOUND
FLORIDA
NOAA Chart: 11466 Latitude: 26° 4.8' N
USGS Quad: PORT EVERGLADES Longitude: 80° 6.7' W

T I D A L B E N C H M A R K S

BENCH MARK STAMPING: 25.71
DESIGNATION: 25.71

MONUMENTATION: Bench Mark disk VM#: 19067
AGENCY: Florida State Road Department (FLSRD) [PID#: AD2436](#)
SETTING CLASSIFICATION: Concrete Bridge Bannister

The bench mark is a disk set on the top of the west banister of a bridge over New River Sound, 4.85 m (15.9 ft) west of the center line of the road, 1.62 m (5.3 ft) south of the north end of the banister, and 0.91 m (3.0 ft) above the level of the road.

BENCH MARK STAMPING: X 625 2007
DESIGNATION: X 625

MONUMENTATION: Flange-encased Rod VM#: 19068
AGENCY: National Geodetic Survey (NGS) PID:
SETTING CLASSIFICATION: Stainless steel rod in sleeve

The bench mark is a flange encased rod located 42.50 m (139.4 ft) east of the centerline of North Ocean Drive, 3.66 km (12.0 ft) south of the extended centerline of the south entrance drive of parking lot 1, 0.91 km (3.0 ft) SE of the SE corner of the parking lot, and 1.22 m (4.0 ft) west of a carsonite witness post. The datum point is accessed through a 5-inch NGS logo cap flush with the ground and about 0.09 m (0.3 ft) below the level of the parking area, recessed 0.09 m (0.3 ft) below the level of the NGS logo cap containing a magnet, being the top of a stainless steel rod in a sleeve, driven to refusal at a depth of 8.23 m (27.0 ft).

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National Ocean Service

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Station ID: 8722957 PUBLICATION DATE: 12/08/2010
Name: NORTH DANIA SOUND
FLORIDA
NOAA Chart: 11466 Latitude: 26° 4.8' N
USGS Quad: PORT EVERGLADES Longitude: 80° 6.7' W

T I D A L D A T U M S

Tidal datums at NORTH DANIA SOUND based on:

LENGTH OF SERIES: 1 MONTH
TIME PERIOD: August 1973 - August 1973
TIDAL EPOCH: 1983-2001
CONTROL TIDE STATION: 8723170 MIAMI BEACH (CITY PIER)

Elevations of tidal datums referred to Mean Lower Low Water (MLLW), in METERS:

MEAN HIGHER HIGH WATER	MHHW	=	0.842
MEAN HIGH WATER	MHW	=	0.806
North American Vertical Datum	NAVD88	=	0.694
MEAN SEA LEVEL	MSL	=	0.430
MEAN TIDE LEVEL	MTL	=	0.429
MEAN LOW WATER	MLW	=	0.053
MEAN LOWER LOW WATER	MLLW	=	0.000

[North American Vertical Datum \(NAVD88\)](#)

Bench Mark Elevation Information

In METERS above:

Stamping or Designation	MLLW	MHW
NO 1 1973	1.363	0.557
NO 2 1973	1.331	0.525
NO 3 1973	1.341	0.535
19.19	5.981	5.175
19.65	6.124	5.318
25.71	7.972	7.166
X 625 2007	1.216	0.410

Foot Notes:

Geodetic heights of the bench marks meet all NOAA/NOS/NGS quality control standards for Second Order, Class 1 leveling. It is advised that a confirmation set of levels be established for bench marks 25.71 and X 625 2007 to verify height differences before using tidal bench mark elevation information.

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Station ID:	8722957	PUBLICATION DATE:	12/08/2010
Name:	NORTH DANIA SOUND FLORIDA		
NOAA Chart:	11466	Latitude:	26° 4.8' N
USGS Quad:	PORT EVERGLADES	Longitude:	80° 6.7' W

D E F I N I T I O N S

Mean Sea Level (MSL) is a tidal datum determined over a 19-year National Tidal Datum Epoch. It pertains to local mean sea level and should not be confused with the fixed datums of North American Vertical Datum of 1988 (NAVD88).

NAVD88 is a fixed datum derived from a simultaneous, least squares, minimum constraint adjustment of Canadian/Mexican/United States leveling observations. Local mean sea level observed at Father Point/Rimouski, Canada was held fixed as the single initial constraint. NAVD88 replaces NGVD29 as the national standard geodetic reference for heights. Bench mark elevations relative to NAVD88 are available from NGS through the World Wide Web at [National Geodetic Survey](http://www.ngs.noaa.gov/geodetic/survey/).

NGVD29 is a fixed datum adopted as a national standard geodetic reference for heights but is now considered superseded. NGVD29 is sometimes referred to as Sea Level Datum of 1929 or as Mean Sea Level on some early issues of Geological Survey Topographic Quads. NGVD29 was originally derived from a general adjustment of the first-order leveling networks of the U.S. and Canada after holding mean sea level observed at 26 long term tide stations as fixed. Numerous local and wide-spread adjustments have been made since establishment in 1929. Bench mark elevations relative to NGVD29 are available from the National Geodetic Survey (NGS) data base via the World Wide Web at [National Geodetic Survey](http://www.ngs.noaa.gov/geodetic/survey/).

NAVD88 and NGVD29 are fixed geodetic datums whose elevation relationships to local MSL and other tidal datums may not be consistent from one location to another.

The Vertical Mark Number (VM#) and PID# shown on the bench mark sheet are unique identifiers for bench marks in the tidal and geodetic databases, respectively. Each bench mark in either database has a single, unique VM# and/or PID# assigned. Where both VM# and PID# are indicated, both tidal and geodetic elevations are available for the bench mark listed.

The NAVD88 elevation is shown on the Elevations of Tidal Datums Table Referred to MLLW only when two or more of the bench marks listed have NAVD88 elevations. The NAVD88 elevation relationship shown in the table is derived from an average of several bench mark elevations relative to tide station datum. As a result of this averaging, NAVD88 bench mark elevations computed indirectly from the tidal datums elevation table may differ slightly from NAVD88 elevations listed for each bench mark in the NGS database.