

Client Name Florida Power & Light Page 1 of 10

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

Calculation Title Construction and Maintenance Use Pond Treatment Volume

Analysis Calculation No./File No. 58.5406.1103

Verification Method: ☒ Check and Review ☐ Alternate Calculations

Objective: The objective of this calculation is to determine the required treatment pond volume for the construction and maintenance use areas for Dania Beach Energy Center Combined Cycle Project.

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

Rev	Prepared By	Date	Verified By	Date	Approved By	Date
0	O Jankauskaite	5/26/2017	J C Barranco Jr	5/26/2017	J C Barranco Jr	5/26/2017
1	O Jankauskaite	7/12/2017	J C Barranco Jr	7/12/2017	J C Barranco Jr	7/12/2017
2	O Jankauskaite	7/19/2017	J C Barranco Jr	7/19/2017	J C Barranco Jr	
	<i>O Jankauskaite</i>	<i>7/19/17</i>	<i>JCB</i>	<i>7/20/2017</i>		

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY JOHN C. BARRANCO, JR., PE, ON THE TIME & DATE STAMP SHOWN USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

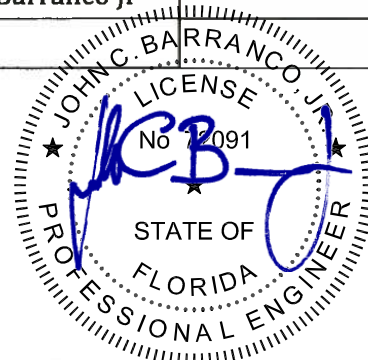


Table of Contents

	Pages
1.0 Purpose.....	3
2.0 References.....	3
3.0 Conclusions.....	3 - 4
4.0 Design Methodology.....	4
5.0 Definitions of Units and Constants.....	4
6.0 Analysis.....	5 - 9
Attachment.....	
Attachment 1- Rainfall Maps.....	1 - 5
Attachment 2- Basin Sketch.....	1 - 2
Attachment 3- Detail Sketches.....	1 - 2
Attachment 4- Terramodel Earthwork Report.....	1 - 2
Attachment 5- HydroCAD 25yr-72hr Design Storm - Existing Condition.....	1 - 45
Attachment 6 - HydroCAD 25yr-72hr Design Storm - Proposed Condition....	1 - 45

1.0 Purpose

The objective of this calculation is to determine the required treatment pond volume for the construction and maintenance use areas for Dania Beach Energy Center Project.

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-1005B, "FPL DBEC Unit 7 - Proposed Stormwater Management Plan - Construction and Maintenance Use"
- 2.3 Black & Veatch drawing, 195190-DS-1103, "FPL DBEC Unit 7 - Proposed Stormwater Management Plan - Main Plant Area"
- 2.4 Black & Veatch drawing, 195190-DS-1102, "FPL DBEC Unit 7 - Pre-development Stormwater Management Plan - Construction and Maintenance Use"
- 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 DBEC Unit 7 Main Plant Pre Development Storm Water Analysis"
- 2.8 Black & Veatch Calculation, 195190.52.5406.1101.02 "FPL DBEC Unit 7 Main Plant Post Development Storm Water Analysis "
- 2.9 Ardman and Associates Inc, " Subsurface Exploration of the Dania Beach Clean
- 2.11 Energy Center" June 9, 2017.
- 2.12 AutoCAD Civil 3D 2014
- 2.13 Google Earth
- 2.14 HydroCAD Ver. 10.0, HydroCAD Software Solutions, LLC
- 2.15 Trimble Terramodel Ver. 10.43

3.0 Conclusion

3.1 Pre vs Post Stormwater Attenuation:

The pre-development condition flow rate from the Main Plant Area into the Plant Cooling Water Discharge Canal is 89.01 cfs (Ref 2.7). The pre-development condition flow rate to the Plant Cooling Water Discharge Canal from existing wetland areas where the Construction and Maintenance Use Areas will be constructed is 81.61 cfs (Att. 5 Pg. 28). Therefore the total combined pre-development flow rate into the Plant Cooling Canal is 170.62 cfs.

By eliminating the wetlands and resurfacing the area with grass but without having any additional stormwater attenuation, the Construction and Maintenance Use area stormwater basin Pond 4 (Internal Outfall I-1B5) has a post development condition flow rate of 99.86 cfs (Att. 6, Pg. 28) to the Plant Cooling Water Discharge Canal. The Main Plant Area post development condition flow rate to the Plant Cooling Water Discharge Canal is 45.37 cfs (Ref 2.8). Therefore the total combined post-development flow rate into the Plant Cooling canal is 145.56 cfs.

Because the total post-development stormwater flow rate is less than the total pre-development stormwater flow rate to the Plant Cooling Water Discharge Canal, any further stormwater attenuation is not required for the Construction and Maintenance Use Areas.

3.2 Water Quality Treatment Volume:

To handle the required water quality treatment volume a 1.5 foot deep stormwater dry detention pond (P-4) will be constructed within the Construction and Maintenance Use Area. The dry stormwater pond will also provide a controlled discharge point.

The actual provided treatment volume in Pond 4 is 2.10 acre-ft and the required treatment volume is 1.60 acre-ft, therefore the actual treatment volume is greater than the required treatment volume.

4.0 Design Methodology

4.1 Pond P-4 will be designed as a dry detention pond. Only the required treatment volume of the pond is considered in the design, and not pre vs post stormwater attenuation since the pre vs. post stormwater flow condition is met without additional stormwater attenuation needed.

- 4.2 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)

5.0 Definitions of Units and Constants

T_c - Time of Concentration

SFWMD - South Florida Water Management District

SWMS - Stormwater Management System

TOB - Top of Bank

NAVD 88 = NGVD 29 - 1.51 ft

CN - Curve Number

6.0 Analysis

Site Description :

The existing site of the Construction and Maintenance Use Area stormwater basin consists of a total of 25.64 acres, of which 11.96 acres are impervious wetland areas, and 13.12 acres of impervious gravel surface and 0.56 acres of pervious grassed areas (Ref 2.4). The area includes existing wetlands, the southern portion of the existing GT Park No. 2 Area, the existing Fuel Gas Regulation Area and gravel roads. The Construction and Maintenance Use Areas are located north of the Proposed Dania Beach Unit 7 power plant location and south of existing Lauderdale Simple Cycle Unit 6 Power Plant.

All the stormwater runoff from the existing site of the Construction and Maintenance Use stormwater basin area is collected by the existing wetlands which eventually overflow into the Plant Cooling Water Discharge Canal. The calculated peak flow rate during the 25yr-72hr event from the existing wetlands to the Plant Cooling Water Discharge Canal is 81.61 cfs (Att. 5, Pg.28). The pre-development condition peak flow rate for the 25yr-72hr event from the Main Plant Area into the Plant Cooling Water Discharge Canal is 89.01 cfs (Ref 2.7), resulting in a total combined peak flow rate of 170.62 cfs.

The proposed final condition of the Construction and Maintenance Use Area stormwater basin will consist of 25.64 acres, of which 19.77 acres will be pervious grass surface, 2.77 acres impervious gravel and 3.10 acres of dry detention pond area (Att. 2, Ref 2.2). Detention Pond 4 will also collect storm water runoff from the southern portions of the existing GT Park No 2 Area and the existing Fuel Gas Regulation Area. The stormwater will be collected via overland flow into the dry detention Pond 4 for detention volume treatment and then discharged through an internal Outfall I-1B5 to the Plant Cooling Water Discharge Canal.

By eliminating the wetlands, placing approximately 3 to 4 ft of fill across the area and resurfacing the area with grass but without adding any additional stormwater attenuation, the Construction and Maintenance Use area stormwater basin has a post development condition flow rate of 99.86 cfs to the Plant Cooling Water Discharge Canal (Att. 6, Pg. 28). The Main Plant Area post development condition flow rate to the Plant Cooling Canal is 45.37 cfs (Ref 2.8), resulting in a total combined post-development flow rate into the Plant Cooling canal of 145.56 cfs.

Because the total post-development stormwater flow rate is less than the total pre-development stormwater flow rate to the Plant Cooling Canal, no further stormwater attenuation is required for the Construction and Maintenance Use Areas.

Existing Construction and Maintenance Use Site Acreage & Surfacing						
Sub Basin	Total Area		Pervious	Impervious - other	Impervious - Wetlands	Impervious - Water Surface
	(Acres)	(% Impervious)*	(Acres)	(Acres)	(Acres)	(Acres)
SB-T1	5.29	89%	0.56	3.21	1.52	0.00
SB-T2	6.17	100%	0.00	6.06	0.11	0.00
SB-T3	14.18	100%	0.00	3.85	10.33	0.00
Total	25.64	98%	0.56	13.12	11.96	0.00
* % Impervious includes Impervious - Other, Impervious - Building, and Impervious - Water Surfaces.						

Final Construction and Maintenance Use Acreage & Surfacing						
Sub Basin	Total Area		Pervious	Impervious - other	Impervious - Building	Impervious - Water Surface
	(Acres)	(% Impervious)*	(Acres)	(Acres)	(Acres)	(Acres)
SB-T1	5.29	43%	3.00	2.29	0.00	0.00
SB-T2	6.17	0%	6.17	0.00	0.00	0.00
SB-T3	14.18	25%	10.60	0.48	0.00	3.10
Total	25.64	23%	19.77	2.77	0.00	3.10
* % Impervious includes Impervious - Other, Impervious - Building, and Impervious - Water Surfaces.						

Groundwater Conditions:

According to the Ardman and Associates subsurface exploration report dated June 9th, 2017 (Ref 2.9), at the existing location of the Construction and Maintenance Use Areas, the groundwater appeared to be at surface level, approximately EL 1 ft-NAVD 88 to 1.5 ft-NAVD 88. Hand Auger Borings, HA-3, HA-4 and HA-5 were within the limits of the Construction and Maintenance Use Areas and all three reported the groundwater table to be at surface. Although this appears to be perched groundwater due to the impervious nature of wetlands, it will be conservatively used for determination of the pond bottom.

Detention Pond 4 has a bottom elevation set to 2.5 ft-NAVD 88, approximately 1 foot above the existing groundwater level.

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 Detention Volume Treatment:

$\text{Area}_{\text{Basin_T1}} := 5.29\text{acre}$	Area of site 1 contributing Stormwater to Pond 4 .
$\text{Area}_{\text{Basin_T2}} := 6.17\text{acre}$	Area of site 2 contributing Stormwater to Pond 4 .
$\text{Area}_{\text{Basin_T3}} := 14.18\text{acre}$	Area of site 3 contributing Stormwater to Pond 4 .
$\text{Area}_{\text{Pervious_T1}} := 3.00\text{acre}$	Area of pervious surfaces within Basin T1 contributing Stormwater to Pond 4 .
$\text{Area}_{\text{Pervious_T2}} := 6.17\text{acre}$	Area of pervious surfaces within Basin T2 contributing Stormwater to Pond 4 .
$\text{Area}_{\text{Pervious_T3}} := 10.60\text{acre}$	Area of pervious surfaces within Basin T3 contributing Stormwater to Pond 4 .
$\text{Area}_{\text{Impervious_T1}} := 2.29\text{acre}$	Area of impervious surfaces within Basin T1 contributing Stormwater to Pond 4 .

$\text{Area}_{\text{Impervious_T2}} := 0 \text{ acre}$

Area of impervious surfaces within Basin T2 contributing Stormwater to Pond 4 .

$\text{Area}_{\text{Impervious_T3}} := 0.48 \text{ acre}$

Area of impervious surfaces within Basin T3 contributing Stormwater to Pond 4 .

$\text{Area}_{\text{PondP5}} := 3.10 \text{ acre}$

Area of pond 4 surface

$\text{DV}_{\text{Dry.Reduction.Factor}} := 0.75$

Dry Detention Water Quality Treatment Volume Reduction

Dry Detention Pond 4

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

1-in Over Site:

$$\text{Volume}_{\text{DV.1inch}} := 1 \text{ in} \cdot (\text{Area}_{\text{Basin_T1}} + \text{Area}_{\text{Basin_T2}} + \text{Area}_{\text{Basin_T3}})$$

$$\text{Volume}_{\text{DV.1inch}} = 2.14 \cdot \text{acre} \cdot \text{ft}$$

2.5-in Over Percent Impervious (minus the pond):

$$\text{Volume}_{\text{DV.2.5inch}} := 2.5 \text{ in} \cdot (\text{Area}_{\text{Impervious_T1}} + \text{Area}_{\text{Impervious_T2}} + \text{Area}_{\text{Impervious_T3}})$$

$$\text{Volume}_{\text{DV.2.5inch}} = 0.577 \cdot \text{acre} \cdot \text{ft}$$

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

Thus the 1-in over the whole site governs for Pond 4 basin.

Reduce required DV volume by 25% for Dry Detention:

$$\text{Volume}_{\text{DV.Required}} := \text{DV}_{\text{Dry.Reduction.Factor}} \cdot \text{Volume}_{\text{DV.1inch}}$$

$$\text{Volume}_{\text{DV.Required}} = 1.602 \cdot \text{acre} \cdot \text{ft}$$

Thus, the required Water Quality Treatment Volume required to be provided in Pond 4 is 1.602 ac-ft.

The provided Water Quality Treatment Volume in Pond 4 is 2.10 ac-ft, therefore this condition is met.

Dry Stormwater Detention Pond 4 Design

To handle the required water quality treatment volume a 1.5 foot deep stormwater dry detention pond (P-4) will be constructed within the Construction and Maintenance Use Area. Pond 4 will have a TOB EL of 4ft-NAVD88 and a bottom elevation of 2.5 ft-NAVD 88. The bottom of Detention Pond 4 is currently set 1 foot above estimated groundwater elevation of that area.

Detention Pond 4 has a broad crested weir at EL 3.25ft-NAVD 88 for discharging the required treatment volume, and 2-2" orifice at EL 2ft-NAVD 88, 6" below the bottom of the detention pond to allow the pond to fully drain.

Detention Pond 4 provides approximately 2.10 ac-ft of treatment volume between the bottom of the pond and the invert of the broad crested weir (EL 3.25 ft-NAVD88) (Att 4).

The required treatment volume to be provided is 1.6 ac-ft, therefore the pond meets and exceeds the requirements of SFWMD.

Pond 4 has an internal Outfall I-1B5 that discharges to the Plant Cooling Water Discharge Canal

Table 3

Dry Detention Volume Pond (P-4) Stage Data			
Elevation	Surface Area	Incremental Storage Volume	Remarks
(ft-NAVD88)	(Acres)	(Ac-ft)	
2.00	-	-	Elevation of the Bleed-Down Orifice
2.50	2.83	-	Bottom of the Detention Pond
3.00	2.92	1.38	
3.25	2.96	0.72	Elevation of the v-notch weir
4.00	3.10	2.24	Top of Bank Elevation

Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1103
Title: Construction and
Maintenance Use Pond Treatment
Volume Analysis

Prepared By: Orinta Jankauskaite
Date 12 July 2017
Verified By: J C Barranco Jr
Page 10

Attachments

Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1103
Title: Construction and
Maintenance Use Pond Treatment
Volume 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

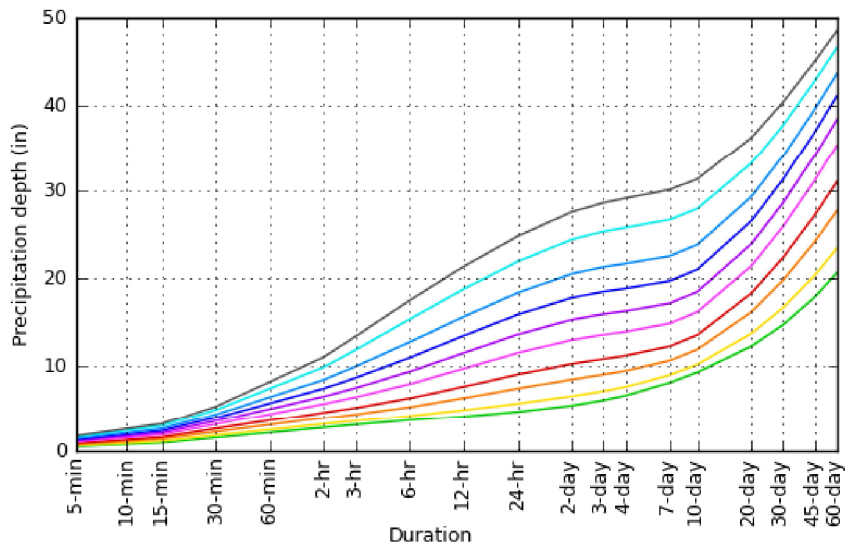
PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches) ¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.551 (0.432–0.697)	0.639 (0.501–0.809)	0.784 (0.612–0.995)	0.905 (0.703–1.15)	1.07 (0.808–1.41)	1.20 (0.888–1.60)	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.

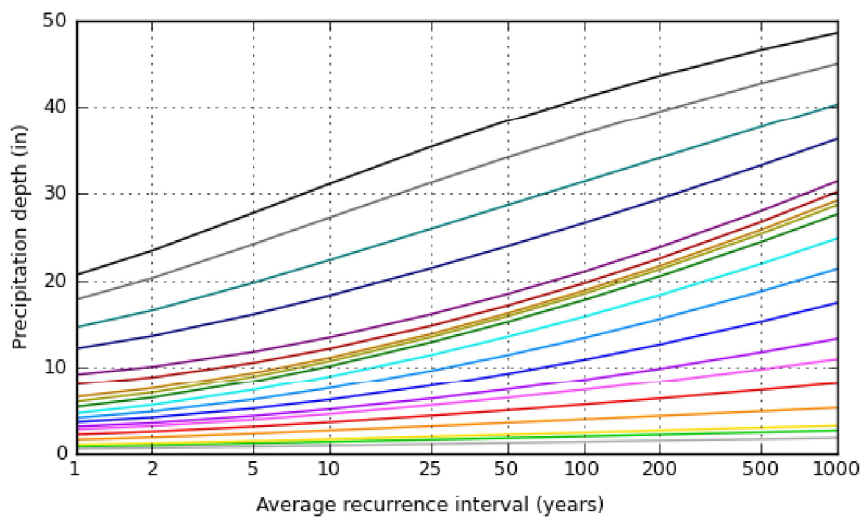
[Back to Top](#)

PF graphical

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



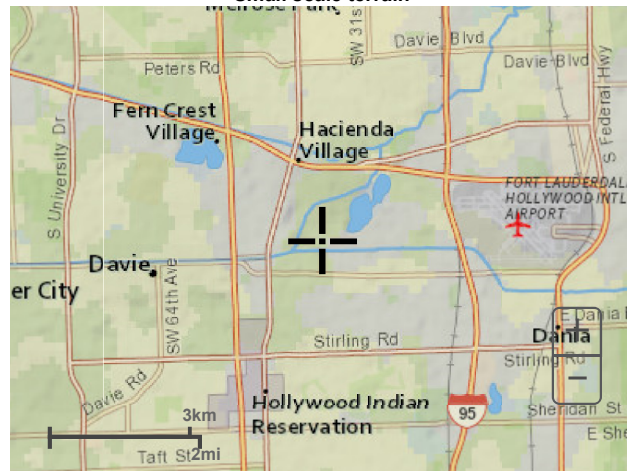
Average recurrence interval (years)
1
2
5
10
25
50
100
200
500
1000



Duration	
5-min	2-day
10-min	3-day
15-min	4-day
30-min	7-day
60-min	10-day
2-hr	20-day
3-hr	30-day
6-hr	45-day
12-hr	60-day
24-hr	

Maps & aerals

Small scale terrain

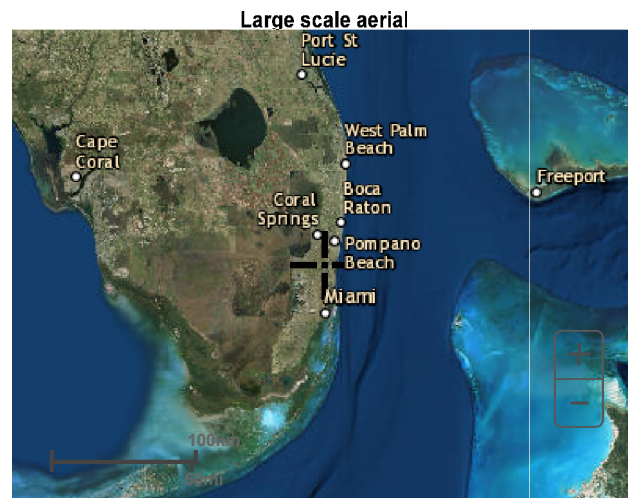


Large scale terrain



Large scale map





[Back to Top](#)

[US Department of Commerce](#)
[National Oceanic and Atmospheric Administration](#)
[National Weather Service](#)
[National Water Center](#)
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

[Disclaimer](#)

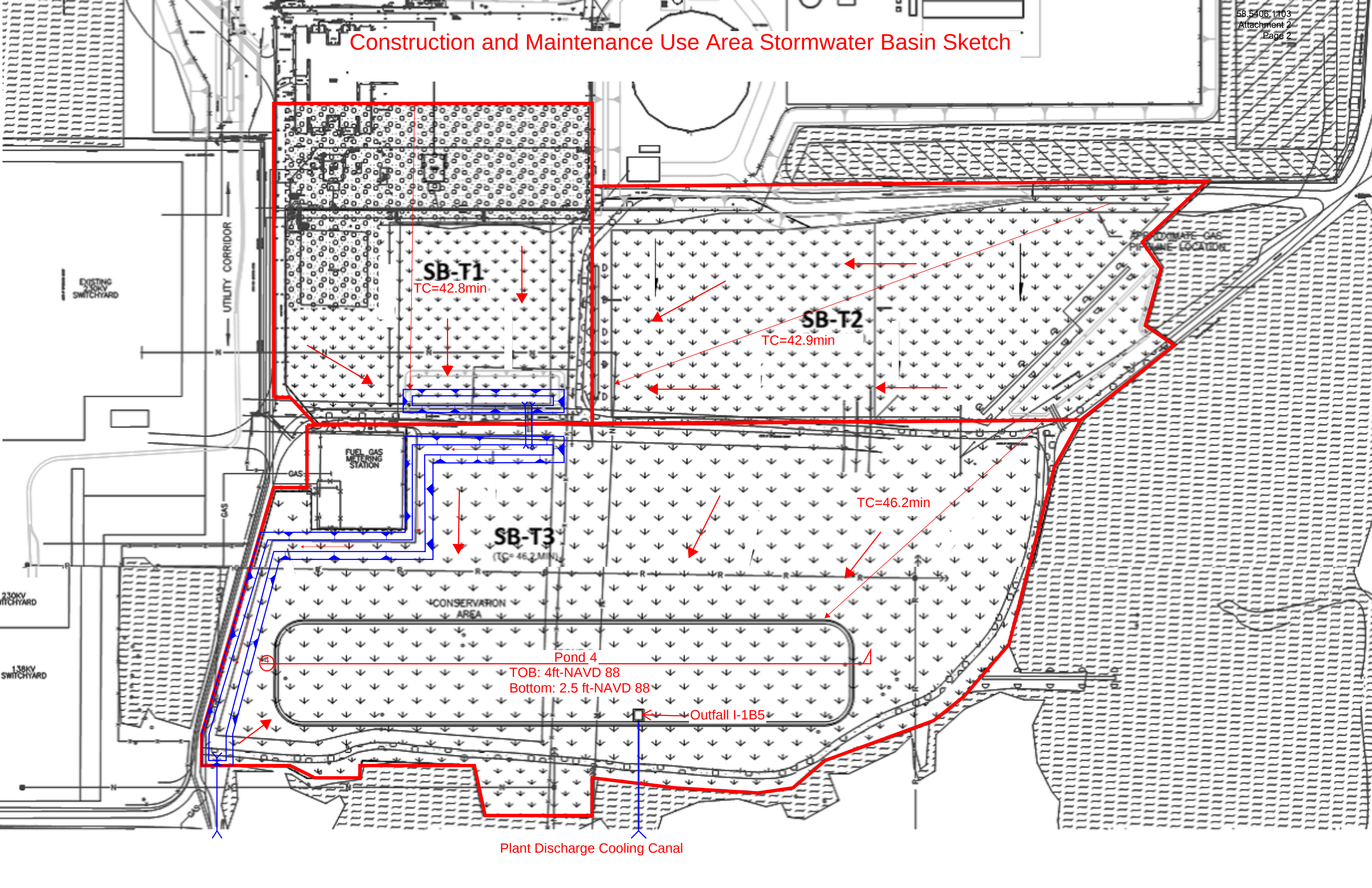
Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1103
Title: Construction and Maintenance
Use Pond Treatment Volume
Analysis

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

Attachment 2

Basin Sketch

Construction and Maintenance Use Area Stormwater Basin Sketch



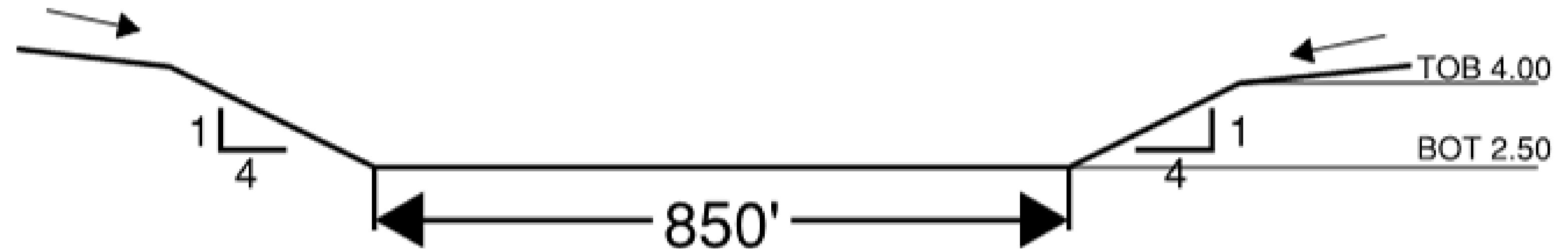
Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1103
Title: Construction and Maintenance
Use Pond Treatment Volume
Analysis

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

Attachment 3

Detail Sketch

Pond4 -Section 4



Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1103
Title: Construction and Maintenance
Use Pond Treatment Volume
Analysis

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

Attachment 4
Terramodel Earthwork 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\

Report Generated: Thursday, June 15, 2017 9:25:38 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_POND 5	48	4.00

Provided Treatment Volume:
3391 CY = 2.10 ac-ft

Elev Range (ft)	Cut Volume (Cu. Yd.)	Fill Volume (Cu. Yd.)
2.50 > 2.75	1,096.3	0.0
2.75 > 3.00	1,132.3	0.0
3.00 > 3.25	1,162.0	0.0
3.25 > 3.50	1,185.5	0.0
3.50 > 3.75	1,203.8	0.0
3.75 > 4.00	1,221.1	0.0

Invert Elevation of
Broad Crested Weir:
EL 3.25 ft-NAVD 88

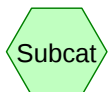
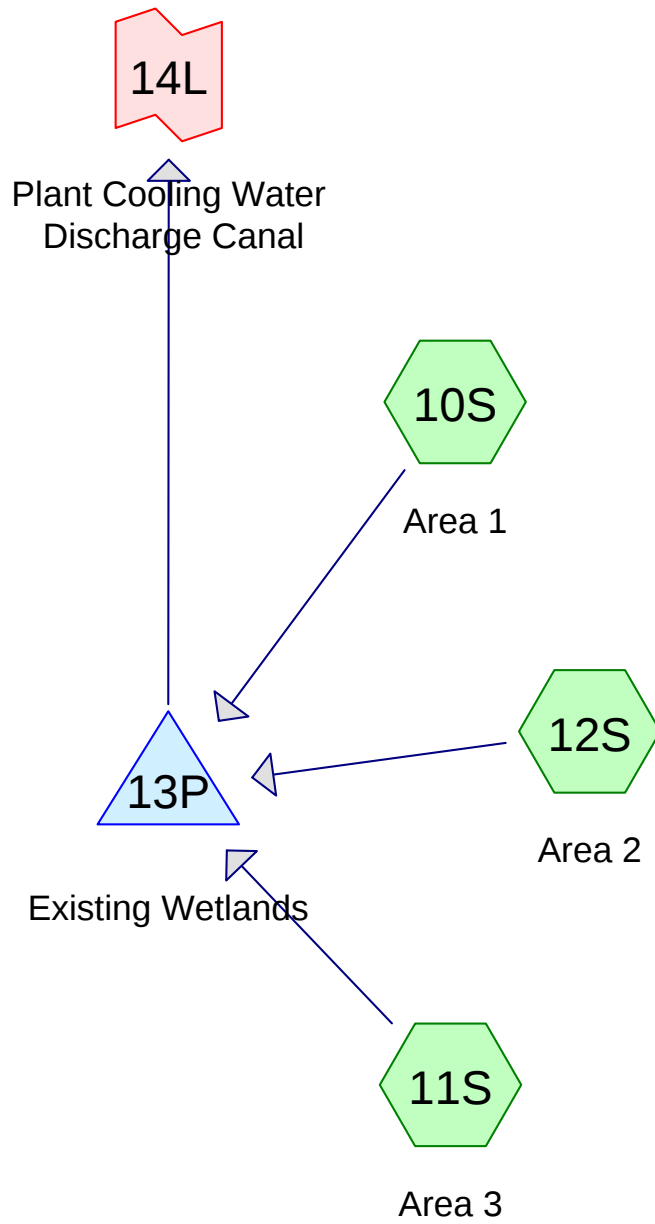
Excavation Volume Beneath Datum (Cu. Yd.)	Fill Volume Above Datum (Cu. Yd.)
7,000.9	0.0

Net Difference: 7,000.9 Cu. Yd. excess volume beneath datum

Client: FPL
Project: DBEC - Unit 7
Project No: 195190
File No: 58.5406.1103
Title: Construction and
Maintenance Use Pond Treatment
Volume Analysis

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

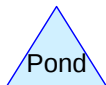
Attachment 5
HydroCAD 25 year- 72 hour Design Storm - Existing Conditions



Subcat



Reach



Pond



Link

Routing Diagram for Construction and Maintenance Use Area

Prepared by Black & Veatch, Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Construction and Maintenance Use Area

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 2

Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.560	74	>75% Grass cover, Good, HSG C (10S)
13.120	98	Gravel surface, HSG C (10S, 11S, 12S)
11.960	98	Wetlands (10S, 11S, 12S)
25.640	97	TOTAL AREA

Construction and Maintenance Use Area

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 3

Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
13.680	HSG C	10S, 11S, 12S
0.000	HSG D	
11.960	Other	10S, 11S, 12S
25.640		TOTAL AREA

Construction and Maintenance Use Area

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 4

Ground Covers (selected 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	0.560	0.000	0.000	0.560	>75% Grass cover, Good	10S
0.000	0.000	13.120	0.000	0.000	13.120	Gravel surface	10S, 11S, 12S
0.000	0.000	0.000	0.000	11.960	11.960	Wetlands	10S, 11S, 12S
0.000	0.000	13.680	0.000	11.960	25.640	TOTAL AREA	

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 5

Time span=0.00-300.00 hrs, dt=0.50 hrs, 601 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

Subcatchment10S: Area 1 Runoff Area=5.290 ac 89.41% Impervious Runoff Depth=12.89"
Flow Length=400' Slope=0.0025 '/' Tc=45.4 min CN=95 Runoff=21.98 cfs 5.683 af

Subcatchment11S: Area 3 Runoff Area=14.180 ac 100.00% Impervious Runoff Depth=13.26"
Flow Length=500' Slope=0.0025 '/' Tc=50.1 min CN=98 Runoff=58.53 cfs 15.669 af

Subcatchment12S: Area 2 Runoff Area=6.170 ac 100.00% Impervious Runoff Depth=13.26"
Flow Length=672' Slope=0.0025 '/' Tc=58.3 min CN=98 Runoff=24.09 cfs 6.817 af

Pond 13P: Existing Wetlands Peak Elev=2.53' Storage=6.058 af Inflow=104.37 cfs 28.170 af
Outflow=81.61 cfs 25.167 af

Link 14L: Plant Cooling Water Discharge Canal Inflow=81.61 cfs 25.167 af
Primary=81.61 cfs 25.167 af

Total Runoff Area = 25.640 ac Runoff Volume = 28.170 af Average Runoff Depth = 13.18"
2.18% Pervious = 0.560 ac 97.82% Impervious = 25.080 ac

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 6

Summary for Subcatchment 10S: Area 1

Runoff = 21.98 cfs @ 60.45 hrs, Volume= 5.683 af, Depth=12.89"

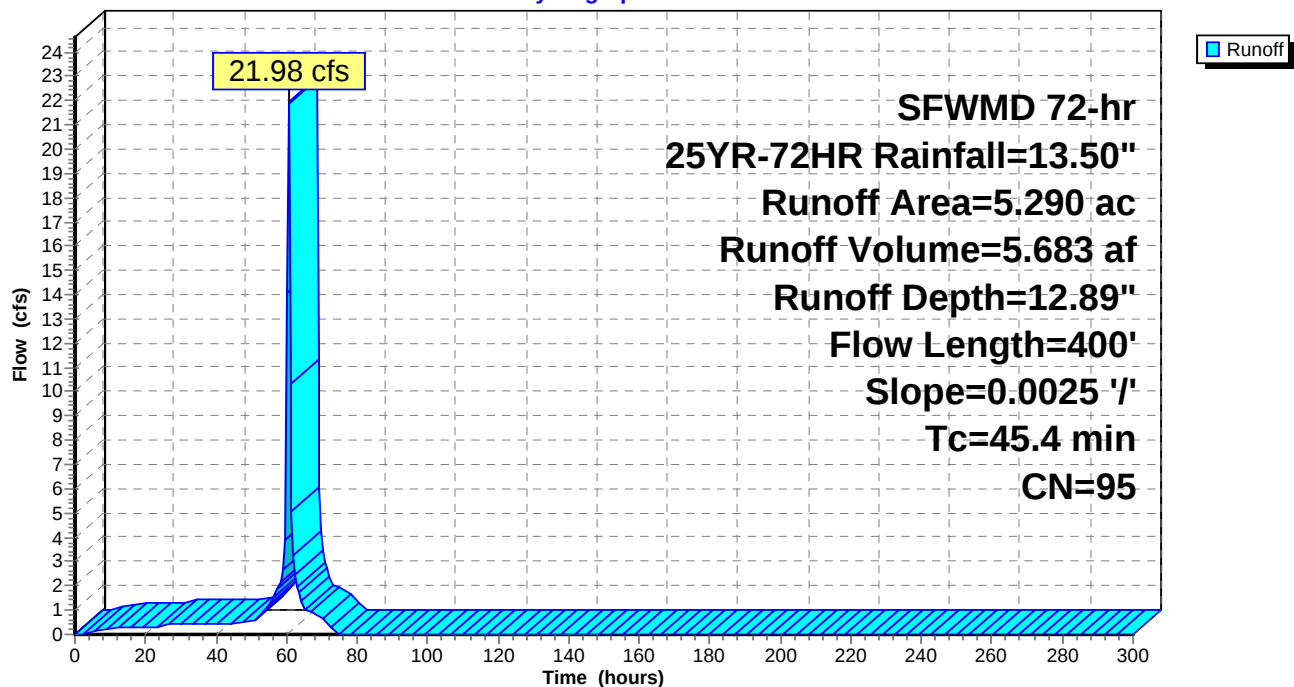
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-300.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
* 3.210	98	Gravel surface, HSG C
* 1.520	98	Wetlands
0.560	74	>75% Grass cover, Good, HSG C
5.290	95	Weighted Average
0.560		10.59% Pervious Area
4.730		89.41% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
40.6	300	0.0025	0.12		Sheet Flow, Wetlands Grass: Short n= 0.150 P2= 5.70"
4.8	100	0.0025	0.35		Shallow Concentrated Flow, Wetlands Short Grass Pasture Kv= 7.0 fps
45.4	400	Total			

Subcatchment 10S: Area 1

Hydrograph



Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 7

Hydrograph for Subcatchment 10S: Area 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	26.50	1.65	1.15	0.41
0.50	0.03	0.00	0.00	27.00	1.70	1.19	0.42
1.00	0.06	0.00	0.00	27.50	1.74	1.24	0.43
1.50	0.09	0.00	0.00	28.00	1.78	1.28	0.44
2.00	0.12	0.00	0.00	28.50	1.83	1.32	0.45
2.50	0.15	0.00	0.01	29.00	1.88	1.36	0.46
3.00	0.18	0.01	0.04	29.50	1.92	1.41	0.47
3.50	0.21	0.02	0.07	30.00	1.97	1.45	0.48
4.00	0.24	0.03	0.09	30.50	2.02	1.50	0.51
4.50	0.27	0.04	0.11	31.00	2.06	1.54	0.47
5.00	0.30	0.05	0.13	31.50	2.11	1.59	0.45
5.50	0.33	0.07	0.15	32.00	2.15	1.63	0.45
6.00	0.36	0.09	0.16	32.50	2.20	1.67	0.45
6.50	0.39	0.10	0.17	33.00	2.24	1.71	0.45
7.00	0.43	0.12	0.18	33.50	2.28	1.75	0.45
7.50	0.46	0.14	0.19	34.00	2.33	1.80	0.45
8.00	0.49	0.16	0.20	34.50	2.37	1.84	0.45
8.50	0.52	0.18	0.21	35.00	2.42	1.88	0.45
9.00	0.55	0.20	0.22	35.50	2.46	1.92	0.45
9.50	0.58	0.22	0.23	36.00	2.50	1.97	0.45
10.00	0.61	0.25	0.23	36.50	2.55	2.01	0.45
10.50	0.64	0.27	0.24	37.00	2.59	2.05	0.45
11.00	0.67	0.29	0.24	37.50	2.63	2.09	0.45
11.50	0.70	0.31	0.25	38.00	2.68	2.14	0.45
12.00	0.73	0.34	0.25	38.50	2.72	2.18	0.45
12.50	0.76	0.36	0.25	39.00	2.77	2.22	0.45
13.00	0.79	0.39	0.26	39.50	2.81	2.26	0.46
13.50	0.82	0.41	0.26	40.00	2.85	2.31	0.46
14.00	0.85	0.44	0.26	40.50	2.90	2.35	0.46
14.50	0.88	0.46	0.27	41.00	2.94	2.39	0.46
15.00	0.91	0.49	0.27	41.50	2.99	2.44	0.46
15.50	0.94	0.51	0.27	42.00	3.03	2.48	0.46
16.00	0.97	0.54	0.27	42.50	3.07	2.52	0.46
16.50	1.00	0.57	0.28	43.00	3.12	2.56	0.46
17.00	1.03	0.59	0.28	43.50	3.16	2.61	0.46
17.50	1.06	0.62	0.28	44.00	3.20	2.65	0.46
18.00	1.09	0.64	0.28	44.50	3.25	2.69	0.46
18.50	1.12	0.67	0.28	45.00	3.29	2.74	0.46
19.00	1.15	0.70	0.29	45.50	3.34	2.78	0.46
19.50	1.18	0.73	0.29	46.00	3.38	2.82	0.46
20.00	1.21	0.75	0.29	46.50	3.42	2.86	0.46
20.50	1.25	0.78	0.29	47.00	3.47	2.91	0.46
21.00	1.28	0.81	0.29	47.50	3.51	2.95	0.46
21.50	1.31	0.83	0.29	48.00	3.56	2.99	0.46
22.00	1.34	0.86	0.29	48.50	3.61	3.05	0.52
22.50	1.37	0.89	0.29	49.00	3.66	3.10	0.53
23.00	1.40	0.92	0.30	49.50	3.71	3.15	0.52
23.50	1.43	0.95	0.30	50.00	3.76	3.20	0.53
24.00	1.46	0.97	0.29	50.50	3.82	3.26	0.57
24.50	1.49	1.00	0.29	51.00	3.88	3.32	0.61
25.00	1.53	1.04	0.36	51.50	3.95	3.38	0.64
25.50	1.57	1.08	0.39	52.00	4.01	3.44	0.67
26.00	1.61	1.11	0.40	52.50	4.10	3.53	0.74

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 8

Hydrograph for Subcatchment 10S: Area 1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
53.00	4.19	3.61	0.86	79.50	13.50	12.89	0.00
53.50	4.28	3.71	0.96	80.00	13.50	12.89	0.00
54.00	4.39	3.82	1.05	80.50	13.50	12.89	0.00
54.50	4.51	3.94	1.15	81.00	13.50	12.89	0.00
55.00	4.64	4.06	1.27	81.50	13.50	12.89	0.00
55.50	4.78	4.20	1.37	82.00	13.50	12.89	0.00
56.00	4.93	4.35	1.48	82.50	13.50	12.89	0.00
56.50	5.10	4.51	1.61	83.00	13.50	12.89	0.00
57.00	5.28	4.70	1.78	83.50	13.50	12.89	0.00
57.50	5.47	4.89	1.94	84.00	13.50	12.89	0.00
58.00	5.68	5.10	2.08	84.50	13.50	12.89	0.00
58.50	5.92	5.33	2.27	85.00	13.50	12.89	0.00
59.00	6.24	5.65	2.69	85.50	13.50	12.89	0.00
59.50	6.74	6.14	3.90	86.00	13.50	12.89	0.00
60.00	10.08	9.48	14.07	86.50	13.50	12.89	0.00
60.50	10.81	10.20	21.89	87.00	13.50	12.89	0.00
61.00	11.19	10.58	10.32	87.50	13.50	12.89	0.00
61.50	11.46	10.85	5.06	88.00	13.50	12.89	0.00
62.00	11.69	11.08	3.24	88.50	13.50	12.89	0.00
62.50	11.87	11.26	2.44	89.00	13.50	12.89	0.00
63.00	12.03	11.42	1.97	89.50	13.50	12.89	0.00
63.50	12.18	11.57	1.73	90.00	13.50	12.89	0.00
64.00	12.31	11.70	1.54	90.50	13.50	12.89	0.00
64.50	12.40	11.79	1.27	91.00	13.50	12.89	0.00
65.00	12.49	11.88	1.03	91.50	13.50	12.89	0.00
65.50	12.58	11.96	0.96	92.00	13.50	12.89	0.00
66.00	12.66	12.05	0.95	92.50	13.50	12.89	0.00
66.50	12.75	12.14	0.96	93.00	13.50	12.89	0.00
67.00	12.84	12.23	0.95	93.50	13.50	12.89	0.00
67.50	12.94	12.33	0.98	94.00	13.50	12.89	0.00
68.00	13.02	12.41	0.97	94.50	13.50	12.89	0.00
68.50	13.08	12.47	0.83	95.00	13.50	12.89	0.00
69.00	13.14	12.53	0.68	95.50	13.50	12.89	0.00
69.50	13.20	12.59	0.64	96.00	13.50	12.89	0.00
70.00	13.26	12.65	0.63	96.50	13.50	12.89	0.00
70.50	13.32	12.71	0.63	97.00	13.50	12.89	0.00
71.00	13.38	12.77	0.63	97.50	13.50	12.89	0.00
71.50	13.44	12.83	0.63	98.00	13.50	12.89	0.00
72.00	13.50	12.89	0.63	98.50	13.50	12.89	0.00
72.50	13.50	12.89	0.45	99.00	13.50	12.89	0.00
73.00	13.50	12.89	0.12	99.50	13.50	12.89	0.00
73.50	13.50	12.89	0.02	100.00	13.50	12.89	0.00
74.00	13.50	12.89	0.00	100.50	13.50	12.89	0.00
74.50	13.50	12.89	0.00	101.00	13.50	12.89	0.00
75.00	13.50	12.89	0.00	101.50	13.50	12.89	0.00
75.50	13.50	12.89	0.00	102.00	13.50	12.89	0.00
76.00	13.50	12.89	0.00	102.50	13.50	12.89	0.00
76.50	13.50	12.89	0.00	103.00	13.50	12.89	0.00
77.00	13.50	12.89	0.00	103.50	13.50	12.89	0.00
77.50	13.50	12.89	0.00	104.00	13.50	12.89	0.00
78.00	13.50	12.89	0.00	104.50	13.50	12.89	0.00
78.50	13.50	12.89	0.00	105.00	13.50	12.89	0.00
79.00	13.50	12.89	0.00	105.50	13.50	12.89	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 9

Hydrograph for Subcatchment 10S: Area 1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
106.00	13.50	12.89	0.00	132.50	13.50	12.89	0.00
106.50	13.50	12.89	0.00	133.00	13.50	12.89	0.00
107.00	13.50	12.89	0.00	133.50	13.50	12.89	0.00
107.50	13.50	12.89	0.00	134.00	13.50	12.89	0.00
108.00	13.50	12.89	0.00	134.50	13.50	12.89	0.00
108.50	13.50	12.89	0.00	135.00	13.50	12.89	0.00
109.00	13.50	12.89	0.00	135.50	13.50	12.89	0.00
109.50	13.50	12.89	0.00	136.00	13.50	12.89	0.00
110.00	13.50	12.89	0.00	136.50	13.50	12.89	0.00
110.50	13.50	12.89	0.00	137.00	13.50	12.89	0.00
111.00	13.50	12.89	0.00	137.50	13.50	12.89	0.00
111.50	13.50	12.89	0.00	138.00	13.50	12.89	0.00
112.00	13.50	12.89	0.00	138.50	13.50	12.89	0.00
112.50	13.50	12.89	0.00	139.00	13.50	12.89	0.00
113.00	13.50	12.89	0.00	139.50	13.50	12.89	0.00
113.50	13.50	12.89	0.00	140.00	13.50	12.89	0.00
114.00	13.50	12.89	0.00	140.50	13.50	12.89	0.00
114.50	13.50	12.89	0.00	141.00	13.50	12.89	0.00
115.00	13.50	12.89	0.00	141.50	13.50	12.89	0.00
115.50	13.50	12.89	0.00	142.00	13.50	12.89	0.00
116.00	13.50	12.89	0.00	142.50	13.50	12.89	0.00
116.50	13.50	12.89	0.00	143.00	13.50	12.89	0.00
117.00	13.50	12.89	0.00	143.50	13.50	12.89	0.00
117.50	13.50	12.89	0.00	144.00	13.50	12.89	0.00
118.00	13.50	12.89	0.00	144.50	13.50	12.89	0.00
118.50	13.50	12.89	0.00	145.00	13.50	12.89	0.00
119.00	13.50	12.89	0.00	145.50	13.50	12.89	0.00
119.50	13.50	12.89	0.00	146.00	13.50	12.89	0.00
120.00	13.50	12.89	0.00	146.50	13.50	12.89	0.00
120.50	13.50	12.89	0.00	147.00	13.50	12.89	0.00
121.00	13.50	12.89	0.00	147.50	13.50	12.89	0.00
121.50	13.50	12.89	0.00	148.00	13.50	12.89	0.00
122.00	13.50	12.89	0.00	148.50	13.50	12.89	0.00
122.50	13.50	12.89	0.00	149.00	13.50	12.89	0.00
123.00	13.50	12.89	0.00	149.50	13.50	12.89	0.00
123.50	13.50	12.89	0.00	150.00	13.50	12.89	0.00
124.00	13.50	12.89	0.00	150.50	13.50	12.89	0.00
124.50	13.50	12.89	0.00	151.00	13.50	12.89	0.00
125.00	13.50	12.89	0.00	151.50	13.50	12.89	0.00
125.50	13.50	12.89	0.00	152.00	13.50	12.89	0.00
126.00	13.50	12.89	0.00	152.50	13.50	12.89	0.00
126.50	13.50	12.89	0.00	153.00	13.50	12.89	0.00
127.00	13.50	12.89	0.00	153.50	13.50	12.89	0.00
127.50	13.50	12.89	0.00	154.00	13.50	12.89	0.00
128.00	13.50	12.89	0.00	154.50	13.50	12.89	0.00
128.50	13.50	12.89	0.00	155.00	13.50	12.89	0.00
129.00	13.50	12.89	0.00	155.50	13.50	12.89	0.00
129.50	13.50	12.89	0.00	156.00	13.50	12.89	0.00
130.00	13.50	12.89	0.00	156.50	13.50	12.89	0.00
130.50	13.50	12.89	0.00	157.00	13.50	12.89	0.00
131.00	13.50	12.89	0.00	157.50	13.50	12.89	0.00
131.50	13.50	12.89	0.00	158.00	13.50	12.89	0.00
132.00	13.50	12.89	0.00	158.50	13.50	12.89	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 10

Hydrograph for Subcatchment 10S: Area 1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
159.00	13.50	12.89	0.00	185.50	13.50	12.89	0.00
159.50	13.50	12.89	0.00	186.00	13.50	12.89	0.00
160.00	13.50	12.89	0.00	186.50	13.50	12.89	0.00
160.50	13.50	12.89	0.00	187.00	13.50	12.89	0.00
161.00	13.50	12.89	0.00	187.50	13.50	12.89	0.00
161.50	13.50	12.89	0.00	188.00	13.50	12.89	0.00
162.00	13.50	12.89	0.00	188.50	13.50	12.89	0.00
162.50	13.50	12.89	0.00	189.00	13.50	12.89	0.00
163.00	13.50	12.89	0.00	189.50	13.50	12.89	0.00
163.50	13.50	12.89	0.00	190.00	13.50	12.89	0.00
164.00	13.50	12.89	0.00	190.50	13.50	12.89	0.00
164.50	13.50	12.89	0.00	191.00	13.50	12.89	0.00
165.00	13.50	12.89	0.00	191.50	13.50	12.89	0.00
165.50	13.50	12.89	0.00	192.00	13.50	12.89	0.00
166.00	13.50	12.89	0.00	192.50	13.50	12.89	0.00
166.50	13.50	12.89	0.00	193.00	13.50	12.89	0.00
167.00	13.50	12.89	0.00	193.50	13.50	12.89	0.00
167.50	13.50	12.89	0.00	194.00	13.50	12.89	0.00
168.00	13.50	12.89	0.00	194.50	13.50	12.89	0.00
168.50	13.50	12.89	0.00	195.00	13.50	12.89	0.00
169.00	13.50	12.89	0.00	195.50	13.50	12.89	0.00
169.50	13.50	12.89	0.00	196.00	13.50	12.89	0.00
170.00	13.50	12.89	0.00	196.50	13.50	12.89	0.00
170.50	13.50	12.89	0.00	197.00	13.50	12.89	0.00
171.00	13.50	12.89	0.00	197.50	13.50	12.89	0.00
171.50	13.50	12.89	0.00	198.00	13.50	12.89	0.00
172.00	13.50	12.89	0.00	198.50	13.50	12.89	0.00
172.50	13.50	12.89	0.00	199.00	13.50	12.89	0.00
173.00	13.50	12.89	0.00	199.50	13.50	12.89	0.00
173.50	13.50	12.89	0.00	200.00	13.50	12.89	0.00
174.00	13.50	12.89	0.00	200.50	13.50	12.89	0.00
174.50	13.50	12.89	0.00	201.00	13.50	12.89	0.00
175.00	13.50	12.89	0.00	201.50	13.50	12.89	0.00
175.50	13.50	12.89	0.00	202.00	13.50	12.89	0.00
176.00	13.50	12.89	0.00	202.50	13.50	12.89	0.00
176.50	13.50	12.89	0.00	203.00	13.50	12.89	0.00
177.00	13.50	12.89	0.00	203.50	13.50	12.89	0.00
177.50	13.50	12.89	0.00	204.00	13.50	12.89	0.00
178.00	13.50	12.89	0.00	204.50	13.50	12.89	0.00
178.50	13.50	12.89	0.00	205.00	13.50	12.89	0.00
179.00	13.50	12.89	0.00	205.50	13.50	12.89	0.00
179.50	13.50	12.89	0.00	206.00	13.50	12.89	0.00
180.00	13.50	12.89	0.00	206.50	13.50	12.89	0.00
180.50	13.50	12.89	0.00	207.00	13.50	12.89	0.00
181.00	13.50	12.89	0.00	207.50	13.50	12.89	0.00
181.50	13.50	12.89	0.00	208.00	13.50	12.89	0.00
182.00	13.50	12.89	0.00	208.50	13.50	12.89	0.00
182.50	13.50	12.89	0.00	209.00	13.50	12.89	0.00
183.00	13.50	12.89	0.00	209.50	13.50	12.89	0.00
183.50	13.50	12.89	0.00	210.00	13.50	12.89	0.00
184.00	13.50	12.89	0.00	210.50	13.50	12.89	0.00
184.50	13.50	12.89	0.00	211.00	13.50	12.89	0.00
185.00	13.50	12.89	0.00	211.50	13.50	12.89	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 11

Hydrograph for Subcatchment 10S: Area 1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
212.00	13.50	12.89	0.00	238.50	13.50	12.89	0.00
212.50	13.50	12.89	0.00	239.00	13.50	12.89	0.00
213.00	13.50	12.89	0.00	239.50	13.50	12.89	0.00
213.50	13.50	12.89	0.00	240.00	13.50	12.89	0.00
214.00	13.50	12.89	0.00	240.50	13.50	12.89	0.00
214.50	13.50	12.89	0.00	241.00	13.50	12.89	0.00
215.00	13.50	12.89	0.00	241.50	13.50	12.89	0.00
215.50	13.50	12.89	0.00	242.00	13.50	12.89	0.00
216.00	13.50	12.89	0.00	242.50	13.50	12.89	0.00
216.50	13.50	12.89	0.00	243.00	13.50	12.89	0.00
217.00	13.50	12.89	0.00	243.50	13.50	12.89	0.00
217.50	13.50	12.89	0.00	244.00	13.50	12.89	0.00
218.00	13.50	12.89	0.00	244.50	13.50	12.89	0.00
218.50	13.50	12.89	0.00	245.00	13.50	12.89	0.00
219.00	13.50	12.89	0.00	245.50	13.50	12.89	0.00
219.50	13.50	12.89	0.00	246.00	13.50	12.89	0.00
220.00	13.50	12.89	0.00	246.50	13.50	12.89	0.00
220.50	13.50	12.89	0.00	247.00	13.50	12.89	0.00
221.00	13.50	12.89	0.00	247.50	13.50	12.89	0.00
221.50	13.50	12.89	0.00	248.00	13.50	12.89	0.00
222.00	13.50	12.89	0.00	248.50	13.50	12.89	0.00
222.50	13.50	12.89	0.00	249.00	13.50	12.89	0.00
223.00	13.50	12.89	0.00	249.50	13.50	12.89	0.00
223.50	13.50	12.89	0.00	250.00	13.50	12.89	0.00
224.00	13.50	12.89	0.00	250.50	13.50	12.89	0.00
224.50	13.50	12.89	0.00	251.00	13.50	12.89	0.00
225.00	13.50	12.89	0.00	251.50	13.50	12.89	0.00
225.50	13.50	12.89	0.00	252.00	13.50	12.89	0.00
226.00	13.50	12.89	0.00	252.50	13.50	12.89	0.00
226.50	13.50	12.89	0.00	253.00	13.50	12.89	0.00
227.00	13.50	12.89	0.00	253.50	13.50	12.89	0.00
227.50	13.50	12.89	0.00	254.00	13.50	12.89	0.00
228.00	13.50	12.89	0.00	254.50	13.50	12.89	0.00
228.50	13.50	12.89	0.00	255.00	13.50	12.89	0.00
229.00	13.50	12.89	0.00	255.50	13.50	12.89	0.00
229.50	13.50	12.89	0.00	256.00	13.50	12.89	0.00
230.00	13.50	12.89	0.00	256.50	13.50	12.89	0.00
230.50	13.50	12.89	0.00	257.00	13.50	12.89	0.00
231.00	13.50	12.89	0.00	257.50	13.50	12.89	0.00
231.50	13.50	12.89	0.00	258.00	13.50	12.89	0.00
232.00	13.50	12.89	0.00	258.50	13.50	12.89	0.00
232.50	13.50	12.89	0.00	259.00	13.50	12.89	0.00
233.00	13.50	12.89	0.00	259.50	13.50	12.89	0.00
233.50	13.50	12.89	0.00	260.00	13.50	12.89	0.00
234.00	13.50	12.89	0.00	260.50	13.50	12.89	0.00
234.50	13.50	12.89	0.00	261.00	13.50	12.89	0.00
235.00	13.50	12.89	0.00	261.50	13.50	12.89	0.00
235.50	13.50	12.89	0.00	262.00	13.50	12.89	0.00
236.00	13.50	12.89	0.00	262.50	13.50	12.89	0.00
236.50	13.50	12.89	0.00	263.00	13.50	12.89	0.00
237.00	13.50	12.89	0.00	263.50	13.50	12.89	0.00
237.50	13.50	12.89	0.00	264.00	13.50	12.89	0.00
238.00	13.50	12.89	0.00	264.50	13.50	12.89	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 12

Hydrograph for Subcatchment 10S: Area 1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
265.00	13.50	12.89	0.00	291.50	13.50	12.89	0.00
265.50	13.50	12.89	0.00	292.00	13.50	12.89	0.00
266.00	13.50	12.89	0.00	292.50	13.50	12.89	0.00
266.50	13.50	12.89	0.00	293.00	13.50	12.89	0.00
267.00	13.50	12.89	0.00	293.50	13.50	12.89	0.00
267.50	13.50	12.89	0.00	294.00	13.50	12.89	0.00
268.00	13.50	12.89	0.00	294.50	13.50	12.89	0.00
268.50	13.50	12.89	0.00	295.00	13.50	12.89	0.00
269.00	13.50	12.89	0.00	295.50	13.50	12.89	0.00
269.50	13.50	12.89	0.00	296.00	13.50	12.89	0.00
270.00	13.50	12.89	0.00	296.50	13.50	12.89	0.00
270.50	13.50	12.89	0.00	297.00	13.50	12.89	0.00
271.00	13.50	12.89	0.00	297.50	13.50	12.89	0.00
271.50	13.50	12.89	0.00	298.00	13.50	12.89	0.00
272.00	13.50	12.89	0.00	298.50	13.50	12.89	0.00
272.50	13.50	12.89	0.00	299.00	13.50	12.89	0.00
273.00	13.50	12.89	0.00	299.50	13.50	12.89	0.00
273.50	13.50	12.89	0.00	300.00	13.50	12.89	0.00
274.00	13.50	12.89	0.00				
274.50	13.50	12.89	0.00				
275.00	13.50	12.89	0.00				
275.50	13.50	12.89	0.00				
276.00	13.50	12.89	0.00				
276.50	13.50	12.89	0.00				
277.00	13.50	12.89	0.00				
277.50	13.50	12.89	0.00				
278.00	13.50	12.89	0.00				
278.50	13.50	12.89	0.00				
279.00	13.50	12.89	0.00				
279.50	13.50	12.89	0.00				
280.00	13.50	12.89	0.00				
280.50	13.50	12.89	0.00				
281.00	13.50	12.89	0.00				
281.50	13.50	12.89	0.00				
282.00	13.50	12.89	0.00				
282.50	13.50	12.89	0.00				
283.00	13.50	12.89	0.00				
283.50	13.50	12.89	0.00				
284.00	13.50	12.89	0.00				
284.50	13.50	12.89	0.00				
285.00	13.50	12.89	0.00				
285.50	13.50	12.89	0.00				
286.00	13.50	12.89	0.00				
286.50	13.50	12.89	0.00				
287.00	13.50	12.89	0.00				
287.50	13.50	12.89	0.00				
288.00	13.50	12.89	0.00				
288.50	13.50	12.89	0.00				
289.00	13.50	12.89	0.00				
289.50	13.50	12.89	0.00				
290.00	13.50	12.89	0.00				
290.50	13.50	12.89	0.00				
291.00	13.50	12.89	0.00				

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 13

Summary for Subcatchment 11S: Area 3

Runoff = 58.53 cfs @ 60.49 hrs, Volume= 15.669 af, Depth=13.26"

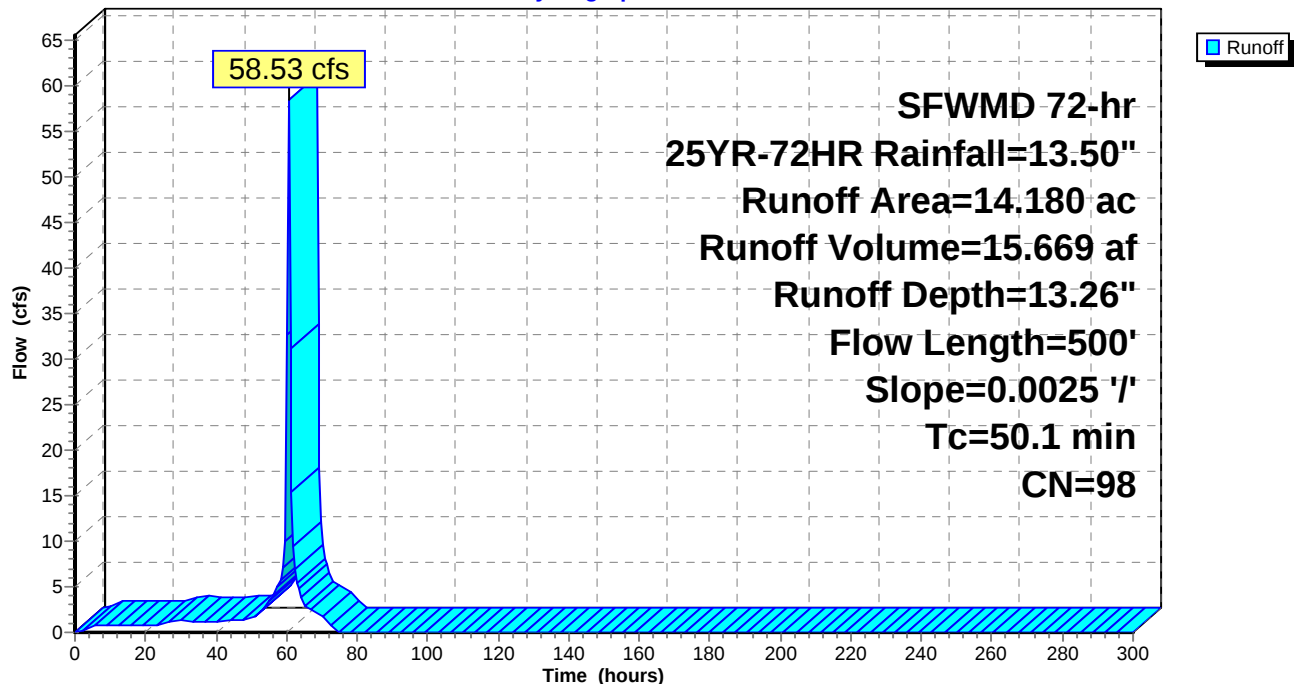
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-300.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
* 3.850	98	Gravel surface, HSG C
* 10.330	98	Wetlands
14.180	98	Weighted Average
14.180		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
40.6	300	0.0025	0.12		Sheet Flow, Wetlands
					Grass: Short n= 0.150 P2= 5.70"
9.5	200	0.0025	0.35		Shallow Concentrated Flow, Wetlands
					Short Grass Pasture Kv= 7.0 fps
50.1	500	Total			

Subcatchment 11S: Area 3

Hydrograph



Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 14

Hydrograph for Subcatchment 11S: Area 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	26.50	1.65	1.43	1.17
0.50	0.03	0.00	0.00	27.00	1.70	1.47	1.19
1.00	0.06	0.00	0.01	27.50	1.74	1.52	1.22
1.50	0.09	0.01	0.08	28.00	1.78	1.56	1.24
2.00	0.12	0.02	0.22	28.50	1.83	1.61	1.26
2.50	0.15	0.04	0.35	29.00	1.88	1.65	1.28
3.00	0.18	0.06	0.45	29.50	1.92	1.70	1.30
3.50	0.21	0.08	0.53	30.00	1.97	1.74	1.33
4.00	0.24	0.10	0.58	30.50	2.02	1.79	1.42
4.50	0.27	0.12	0.63	31.00	2.06	1.84	1.33
5.00	0.30	0.15	0.66	31.50	2.11	1.88	1.26
5.50	0.33	0.17	0.69	32.00	2.15	1.92	1.25
6.00	0.36	0.20	0.71	32.50	2.20	1.97	1.25
6.50	0.39	0.22	0.73	33.00	2.24	2.01	1.25
7.00	0.43	0.25	0.74	33.50	2.28	2.06	1.25
7.50	0.46	0.28	0.76	34.00	2.33	2.10	1.25
8.00	0.49	0.31	0.77	34.50	2.37	2.14	1.25
8.50	0.52	0.33	0.78	35.00	2.42	2.19	1.25
9.00	0.55	0.36	0.79	35.50	2.46	2.23	1.25
9.50	0.58	0.39	0.79	36.00	2.50	2.27	1.25
10.00	0.61	0.42	0.80	36.50	2.55	2.32	1.25
10.50	0.64	0.44	0.80	37.00	2.59	2.36	1.25
11.00	0.67	0.47	0.81	37.50	2.63	2.40	1.25
11.50	0.70	0.50	0.81	38.00	2.68	2.45	1.25
12.00	0.73	0.53	0.82	38.50	2.72	2.49	1.25
12.50	0.76	0.56	0.82	39.00	2.77	2.54	1.25
13.00	0.79	0.59	0.82	39.50	2.81	2.58	1.25
13.50	0.82	0.62	0.83	40.00	2.85	2.62	1.25
14.00	0.85	0.65	0.83	40.50	2.90	2.67	1.25
14.50	0.88	0.68	0.83	41.00	2.94	2.71	1.25
15.00	0.91	0.71	0.83	41.50	2.99	2.75	1.25
15.50	0.94	0.73	0.84	42.00	3.03	2.80	1.25
16.00	0.97	0.76	0.84	42.50	3.07	2.84	1.25
16.50	1.00	0.79	0.84	43.00	3.12	2.88	1.25
17.00	1.03	0.82	0.84	43.50	3.16	2.93	1.25
17.50	1.06	0.85	0.84	44.00	3.20	2.97	1.25
18.00	1.09	0.88	0.84	44.50	3.25	3.02	1.25
18.50	1.12	0.91	0.85	45.00	3.29	3.06	1.25
19.00	1.15	0.94	0.85	45.50	3.34	3.10	1.25
19.50	1.18	0.97	0.85	46.00	3.38	3.15	1.25
20.00	1.21	1.00	0.85	46.50	3.42	3.19	1.25
20.50	1.25	1.03	0.85	47.00	3.47	3.23	1.25
21.00	1.28	1.06	0.85	47.50	3.51	3.28	1.25
21.50	1.31	1.09	0.85	48.00	3.56	3.32	1.25
22.00	1.34	1.12	0.85	48.50	3.61	3.38	1.39
22.50	1.37	1.15	0.85	49.00	3.66	3.43	1.45
23.00	1.40	1.18	0.85	49.50	3.71	3.48	1.43
23.50	1.43	1.21	0.85	50.00	3.76	3.53	1.43
24.00	1.46	1.24	0.85	50.50	3.82	3.59	1.52
24.50	1.49	1.27	0.80	51.00	3.88	3.65	1.64
25.00	1.53	1.31	0.98	51.50	3.95	3.71	1.73
25.50	1.57	1.35	1.10	52.00	4.01	3.78	1.82
26.00	1.61	1.39	1.14	52.50	4.10	3.86	1.98

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 15

Hydrograph for Subcatchment 11S: Area 3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
53.00	4.19	3.95	2.29	79.50	13.50	13.26	0.00
53.50	4.28	4.05	2.56	80.00	13.50	13.26	0.00
54.00	4.39	4.16	2.80	80.50	13.50	13.26	0.00
54.50	4.51	4.28	3.07	81.00	13.50	13.26	0.00
55.00	4.64	4.40	3.38	81.50	13.50	13.26	0.00
55.50	4.78	4.54	3.68	82.00	13.50	13.26	0.00
56.00	4.93	4.69	3.96	82.50	13.50	13.26	0.00
56.50	5.10	4.86	4.29	83.00	13.50	13.26	0.00
57.00	5.28	5.04	4.75	83.50	13.50	13.26	0.00
57.50	5.47	5.24	5.17	84.00	13.50	13.26	0.00
58.00	5.68	5.45	5.57	84.50	13.50	13.26	0.00
58.50	5.92	5.68	6.04	85.00	13.50	13.26	0.00
59.00	6.24	6.00	7.07	85.50	13.50	13.26	0.00
59.50	6.74	6.50	9.97	86.00	13.50	13.26	0.00
60.00	10.08	9.84	32.71	86.50	13.50	13.26	0.00
60.50	10.81	10.57	58.53	87.00	13.50	13.26	0.00
61.00	11.19	10.94	31.09	87.50	13.50	13.26	0.00
61.50	11.46	11.21	15.30	88.00	13.50	13.26	0.00
62.00	11.69	11.45	9.43	88.50	13.50	13.26	0.00
62.50	11.87	11.63	6.93	89.00	13.50	13.26	0.00
63.00	12.03	11.79	5.45	89.50	13.50	13.26	0.00
63.50	12.18	11.94	4.73	90.00	13.50	13.26	0.00
64.00	12.31	12.07	4.21	90.50	13.50	13.26	0.00
64.50	12.40	12.16	3.53	91.00	13.50	13.26	0.00
65.00	12.49	12.24	2.83	91.50	13.50	13.26	0.00
65.50	12.58	12.33	2.61	92.00	13.50	13.26	0.00
66.00	12.66	12.42	2.56	92.50	13.50	13.26	0.00
66.50	12.75	12.51	2.57	93.00	13.50	13.26	0.00
67.00	12.84	12.60	2.56	93.50	13.50	13.26	0.00
67.50	12.94	12.70	2.62	94.00	13.50	13.26	0.00
68.00	13.02	12.78	2.61	94.50	13.50	13.26	0.00
68.50	13.08	12.84	2.28	95.00	13.50	13.26	0.00
69.00	13.14	12.90	1.87	95.50	13.50	13.26	0.00
69.50	13.20	12.96	1.74	96.00	13.50	13.26	0.00
70.00	13.26	13.02	1.71	96.50	13.50	13.26	0.00
70.50	13.32	13.08	1.70	97.00	13.50	13.26	0.00
71.00	13.38	13.14	1.70	97.50	13.50	13.26	0.00
71.50	13.44	13.20	1.70	98.00	13.50	13.26	0.00
72.00	13.50	13.26	1.69	98.50	13.50	13.26	0.00
72.50	13.50	13.26	1.30	99.00	13.50	13.26	0.00
73.00	13.50	13.26	0.41	99.50	13.50	13.26	0.00
73.50	13.50	13.26	0.09	100.00	13.50	13.26	0.00
74.00	13.50	13.26	0.02	100.50	13.50	13.26	0.00
74.50	13.50	13.26	0.00	101.00	13.50	13.26	0.00
75.00	13.50	13.26	0.00	101.50	13.50	13.26	0.00
75.50	13.50	13.26	0.00	102.00	13.50	13.26	0.00
76.00	13.50	13.26	0.00	102.50	13.50	13.26	0.00
76.50	13.50	13.26	0.00	103.00	13.50	13.26	0.00
77.00	13.50	13.26	0.00	103.50	13.50	13.26	0.00
77.50	13.50	13.26	0.00	104.00	13.50	13.26	0.00
78.00	13.50	13.26	0.00	104.50	13.50	13.26	0.00
78.50	13.50	13.26	0.00	105.00	13.50	13.26	0.00
79.00	13.50	13.26	0.00	105.50	13.50	13.26	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 16

Hydrograph for Subcatchment 11S: Area 3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
106.00	13.50	13.26	0.00	132.50	13.50	13.26	0.00
106.50	13.50	13.26	0.00	133.00	13.50	13.26	0.00
107.00	13.50	13.26	0.00	133.50	13.50	13.26	0.00
107.50	13.50	13.26	0.00	134.00	13.50	13.26	0.00
108.00	13.50	13.26	0.00	134.50	13.50	13.26	0.00
108.50	13.50	13.26	0.00	135.00	13.50	13.26	0.00
109.00	13.50	13.26	0.00	135.50	13.50	13.26	0.00
109.50	13.50	13.26	0.00	136.00	13.50	13.26	0.00
110.00	13.50	13.26	0.00	136.50	13.50	13.26	0.00
110.50	13.50	13.26	0.00	137.00	13.50	13.26	0.00
111.00	13.50	13.26	0.00	137.50	13.50	13.26	0.00
111.50	13.50	13.26	0.00	138.00	13.50	13.26	0.00
112.00	13.50	13.26	0.00	138.50	13.50	13.26	0.00
112.50	13.50	13.26	0.00	139.00	13.50	13.26	0.00
113.00	13.50	13.26	0.00	139.50	13.50	13.26	0.00
113.50	13.50	13.26	0.00	140.00	13.50	13.26	0.00
114.00	13.50	13.26	0.00	140.50	13.50	13.26	0.00
114.50	13.50	13.26	0.00	141.00	13.50	13.26	0.00
115.00	13.50	13.26	0.00	141.50	13.50	13.26	0.00
115.50	13.50	13.26	0.00	142.00	13.50	13.26	0.00
116.00	13.50	13.26	0.00	142.50	13.50	13.26	0.00
116.50	13.50	13.26	0.00	143.00	13.50	13.26	0.00
117.00	13.50	13.26	0.00	143.50	13.50	13.26	0.00
117.50	13.50	13.26	0.00	144.00	13.50	13.26	0.00
118.00	13.50	13.26	0.00	144.50	13.50	13.26	0.00
118.50	13.50	13.26	0.00	145.00	13.50	13.26	0.00
119.00	13.50	13.26	0.00	145.50	13.50	13.26	0.00
119.50	13.50	13.26	0.00	146.00	13.50	13.26	0.00
120.00	13.50	13.26	0.00	146.50	13.50	13.26	0.00
120.50	13.50	13.26	0.00	147.00	13.50	13.26	0.00
121.00	13.50	13.26	0.00	147.50	13.50	13.26	0.00
121.50	13.50	13.26	0.00	148.00	13.50	13.26	0.00
122.00	13.50	13.26	0.00	148.50	13.50	13.26	0.00
122.50	13.50	13.26	0.00	149.00	13.50	13.26	0.00
123.00	13.50	13.26	0.00	149.50	13.50	13.26	0.00
123.50	13.50	13.26	0.00	150.00	13.50	13.26	0.00
124.00	13.50	13.26	0.00	150.50	13.50	13.26	0.00
124.50	13.50	13.26	0.00	151.00	13.50	13.26	0.00
125.00	13.50	13.26	0.00	151.50	13.50	13.26	0.00
125.50	13.50	13.26	0.00	152.00	13.50	13.26	0.00
126.00	13.50	13.26	0.00	152.50	13.50	13.26	0.00
126.50	13.50	13.26	0.00	153.00	13.50	13.26	0.00
127.00	13.50	13.26	0.00	153.50	13.50	13.26	0.00
127.50	13.50	13.26	0.00	154.00	13.50	13.26	0.00
128.00	13.50	13.26	0.00	154.50	13.50	13.26	0.00
128.50	13.50	13.26	0.00	155.00	13.50	13.26	0.00
129.00	13.50	13.26	0.00	155.50	13.50	13.26	0.00
129.50	13.50	13.26	0.00	156.00	13.50	13.26	0.00
130.00	13.50	13.26	0.00	156.50	13.50	13.26	0.00
130.50	13.50	13.26	0.00	157.00	13.50	13.26	0.00
131.00	13.50	13.26	0.00	157.50	13.50	13.26	0.00
131.50	13.50	13.26	0.00	158.00	13.50	13.26	0.00
132.00	13.50	13.26	0.00	158.50	13.50	13.26	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 17

Hydrograph for Subcatchment 11S: Area 3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
159.00	13.50	13.26	0.00	185.50	13.50	13.26	0.00
159.50	13.50	13.26	0.00	186.00	13.50	13.26	0.00
160.00	13.50	13.26	0.00	186.50	13.50	13.26	0.00
160.50	13.50	13.26	0.00	187.00	13.50	13.26	0.00
161.00	13.50	13.26	0.00	187.50	13.50	13.26	0.00
161.50	13.50	13.26	0.00	188.00	13.50	13.26	0.00
162.00	13.50	13.26	0.00	188.50	13.50	13.26	0.00
162.50	13.50	13.26	0.00	189.00	13.50	13.26	0.00
163.00	13.50	13.26	0.00	189.50	13.50	13.26	0.00
163.50	13.50	13.26	0.00	190.00	13.50	13.26	0.00
164.00	13.50	13.26	0.00	190.50	13.50	13.26	0.00
164.50	13.50	13.26	0.00	191.00	13.50	13.26	0.00
165.00	13.50	13.26	0.00	191.50	13.50	13.26	0.00
165.50	13.50	13.26	0.00	192.00	13.50	13.26	0.00
166.00	13.50	13.26	0.00	192.50	13.50	13.26	0.00
166.50	13.50	13.26	0.00	193.00	13.50	13.26	0.00
167.00	13.50	13.26	0.00	193.50	13.50	13.26	0.00
167.50	13.50	13.26	0.00	194.00	13.50	13.26	0.00
168.00	13.50	13.26	0.00	194.50	13.50	13.26	0.00
168.50	13.50	13.26	0.00	195.00	13.50	13.26	0.00
169.00	13.50	13.26	0.00	195.50	13.50	13.26	0.00
169.50	13.50	13.26	0.00	196.00	13.50	13.26	0.00
170.00	13.50	13.26	0.00	196.50	13.50	13.26	0.00
170.50	13.50	13.26	0.00	197.00	13.50	13.26	0.00
171.00	13.50	13.26	0.00	197.50	13.50	13.26	0.00
171.50	13.50	13.26	0.00	198.00	13.50	13.26	0.00
172.00	13.50	13.26	0.00	198.50	13.50	13.26	0.00
172.50	13.50	13.26	0.00	199.00	13.50	13.26	0.00
173.00	13.50	13.26	0.00	199.50	13.50	13.26	0.00
173.50	13.50	13.26	0.00	200.00	13.50	13.26	0.00
174.00	13.50	13.26	0.00	200.50	13.50	13.26	0.00
174.50	13.50	13.26	0.00	201.00	13.50	13.26	0.00
175.00	13.50	13.26	0.00	201.50	13.50	13.26	0.00
175.50	13.50	13.26	0.00	202.00	13.50	13.26	0.00
176.00	13.50	13.26	0.00	202.50	13.50	13.26	0.00
176.50	13.50	13.26	0.00	203.00	13.50	13.26	0.00
177.00	13.50	13.26	0.00	203.50	13.50	13.26	0.00
177.50	13.50	13.26	0.00	204.00	13.50	13.26	0.00
178.00	13.50	13.26	0.00	204.50	13.50	13.26	0.00
178.50	13.50	13.26	0.00	205.00	13.50	13.26	0.00
179.00	13.50	13.26	0.00	205.50	13.50	13.26	0.00
179.50	13.50	13.26	0.00	206.00	13.50	13.26	0.00
180.00	13.50	13.26	0.00	206.50	13.50	13.26	0.00
180.50	13.50	13.26	0.00	207.00	13.50	13.26	0.00
181.00	13.50	13.26	0.00	207.50	13.50	13.26	0.00
181.50	13.50	13.26	0.00	208.00	13.50	13.26	0.00
182.00	13.50	13.26	0.00	208.50	13.50	13.26	0.00
182.50	13.50	13.26	0.00	209.00	13.50	13.26	0.00
183.00	13.50	13.26	0.00	209.50	13.50	13.26	0.00
183.50	13.50	13.26	0.00	210.00	13.50	13.26	0.00
184.00	13.50	13.26	0.00	210.50	13.50	13.26	0.00
184.50	13.50	13.26	0.00	211.00	13.50	13.26	0.00
185.00	13.50	13.26	0.00	211.50	13.50	13.26	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 18

Hydrograph for Subcatchment 11S: Area 3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
212.00	13.50	13.26	0.00	238.50	13.50	13.26	0.00
212.50	13.50	13.26	0.00	239.00	13.50	13.26	0.00
213.00	13.50	13.26	0.00	239.50	13.50	13.26	0.00
213.50	13.50	13.26	0.00	240.00	13.50	13.26	0.00
214.00	13.50	13.26	0.00	240.50	13.50	13.26	0.00
214.50	13.50	13.26	0.00	241.00	13.50	13.26	0.00
215.00	13.50	13.26	0.00	241.50	13.50	13.26	0.00
215.50	13.50	13.26	0.00	242.00	13.50	13.26	0.00
216.00	13.50	13.26	0.00	242.50	13.50	13.26	0.00
216.50	13.50	13.26	0.00	243.00	13.50	13.26	0.00
217.00	13.50	13.26	0.00	243.50	13.50	13.26	0.00
217.50	13.50	13.26	0.00	244.00	13.50	13.26	0.00
218.00	13.50	13.26	0.00	244.50	13.50	13.26	0.00
218.50	13.50	13.26	0.00	245.00	13.50	13.26	0.00
219.00	13.50	13.26	0.00	245.50	13.50	13.26	0.00
219.50	13.50	13.26	0.00	246.00	13.50	13.26	0.00
220.00	13.50	13.26	0.00	246.50	13.50	13.26	0.00
220.50	13.50	13.26	0.00	247.00	13.50	13.26	0.00
221.00	13.50	13.26	0.00	247.50	13.50	13.26	0.00
221.50	13.50	13.26	0.00	248.00	13.50	13.26	0.00
222.00	13.50	13.26	0.00	248.50	13.50	13.26	0.00
222.50	13.50	13.26	0.00	249.00	13.50	13.26	0.00
223.00	13.50	13.26	0.00	249.50	13.50	13.26	0.00
223.50	13.50	13.26	0.00	250.00	13.50	13.26	0.00
224.00	13.50	13.26	0.00	250.50	13.50	13.26	0.00
224.50	13.50	13.26	0.00	251.00	13.50	13.26	0.00
225.00	13.50	13.26	0.00	251.50	13.50	13.26	0.00
225.50	13.50	13.26	0.00	252.00	13.50	13.26	0.00
226.00	13.50	13.26	0.00	252.50	13.50	13.26	0.00
226.50	13.50	13.26	0.00	253.00	13.50	13.26	0.00
227.00	13.50	13.26	0.00	253.50	13.50	13.26	0.00
227.50	13.50	13.26	0.00	254.00	13.50	13.26	0.00
228.00	13.50	13.26	0.00	254.50	13.50	13.26	0.00
228.50	13.50	13.26	0.00	255.00	13.50	13.26	0.00
229.00	13.50	13.26	0.00	255.50	13.50	13.26	0.00
229.50	13.50	13.26	0.00	256.00	13.50	13.26	0.00
230.00	13.50	13.26	0.00	256.50	13.50	13.26	0.00
230.50	13.50	13.26	0.00	257.00	13.50	13.26	0.00
231.00	13.50	13.26	0.00	257.50	13.50	13.26	0.00
231.50	13.50	13.26	0.00	258.00	13.50	13.26	0.00
232.00	13.50	13.26	0.00	258.50	13.50	13.26	0.00
232.50	13.50	13.26	0.00	259.00	13.50	13.26	0.00
233.00	13.50	13.26	0.00	259.50	13.50	13.26	0.00
233.50	13.50	13.26	0.00	260.00	13.50	13.26	0.00
234.00	13.50	13.26	0.00	260.50	13.50	13.26	0.00
234.50	13.50	13.26	0.00	261.00	13.50	13.26	0.00
235.00	13.50	13.26	0.00	261.50	13.50	13.26	0.00
235.50	13.50	13.26	0.00	262.00	13.50	13.26	0.00
236.00	13.50	13.26	0.00	262.50	13.50	13.26	0.00
236.50	13.50	13.26	0.00	263.00	13.50	13.26	0.00
237.00	13.50	13.26	0.00	263.50	13.50	13.26	0.00
237.50	13.50	13.26	0.00	264.00	13.50	13.26	0.00
238.00	13.50	13.26	0.00	264.50	13.50	13.26	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 19

Hydrograph for Subcatchment 11S: Area 3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
265.00	13.50	13.26	0.00	291.50	13.50	13.26	0.00
265.50	13.50	13.26	0.00	292.00	13.50	13.26	0.00
266.00	13.50	13.26	0.00	292.50	13.50	13.26	0.00
266.50	13.50	13.26	0.00	293.00	13.50	13.26	0.00
267.00	13.50	13.26	0.00	293.50	13.50	13.26	0.00
267.50	13.50	13.26	0.00	294.00	13.50	13.26	0.00
268.00	13.50	13.26	0.00	294.50	13.50	13.26	0.00
268.50	13.50	13.26	0.00	295.00	13.50	13.26	0.00
269.00	13.50	13.26	0.00	295.50	13.50	13.26	0.00
269.50	13.50	13.26	0.00	296.00	13.50	13.26	0.00
270.00	13.50	13.26	0.00	296.50	13.50	13.26	0.00
270.50	13.50	13.26	0.00	297.00	13.50	13.26	0.00
271.00	13.50	13.26	0.00	297.50	13.50	13.26	0.00
271.50	13.50	13.26	0.00	298.00	13.50	13.26	0.00
272.00	13.50	13.26	0.00	298.50	13.50	13.26	0.00
272.50	13.50	13.26	0.00	299.00	13.50	13.26	0.00
273.00	13.50	13.26	0.00	299.50	13.50	13.26	0.00
273.50	13.50	13.26	0.00	300.00	13.50	13.26	0.00
274.00	13.50	13.26	0.00				
274.50	13.50	13.26	0.00				
275.00	13.50	13.26	0.00				
275.50	13.50	13.26	0.00				
276.00	13.50	13.26	0.00				
276.50	13.50	13.26	0.00				
277.00	13.50	13.26	0.00				
277.50	13.50	13.26	0.00				
278.00	13.50	13.26	0.00				
278.50	13.50	13.26	0.00				
279.00	13.50	13.26	0.00				
279.50	13.50	13.26	0.00				
280.00	13.50	13.26	0.00				
280.50	13.50	13.26	0.00				
281.00	13.50	13.26	0.00				
281.50	13.50	13.26	0.00				
282.00	13.50	13.26	0.00				
282.50	13.50	13.26	0.00				
283.00	13.50	13.26	0.00				
283.50	13.50	13.26	0.00				
284.00	13.50	13.26	0.00				
284.50	13.50	13.26	0.00				
285.00	13.50	13.26	0.00				
285.50	13.50	13.26	0.00				
286.00	13.50	13.26	0.00				
286.50	13.50	13.26	0.00				
287.00	13.50	13.26	0.00				
287.50	13.50	13.26	0.00				
288.00	13.50	13.26	0.00				
288.50	13.50	13.26	0.00				
289.00	13.50	13.26	0.00				
289.50	13.50	13.26	0.00				
290.00	13.50	13.26	0.00				
290.50	13.50	13.26	0.00				
291.00	13.50	13.26	0.00				

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 20

Summary for Subcatchment 12S: Area 2

Runoff = 24.09 cfs @ 60.56 hrs, Volume= 6.817 af, Depth=13.26"

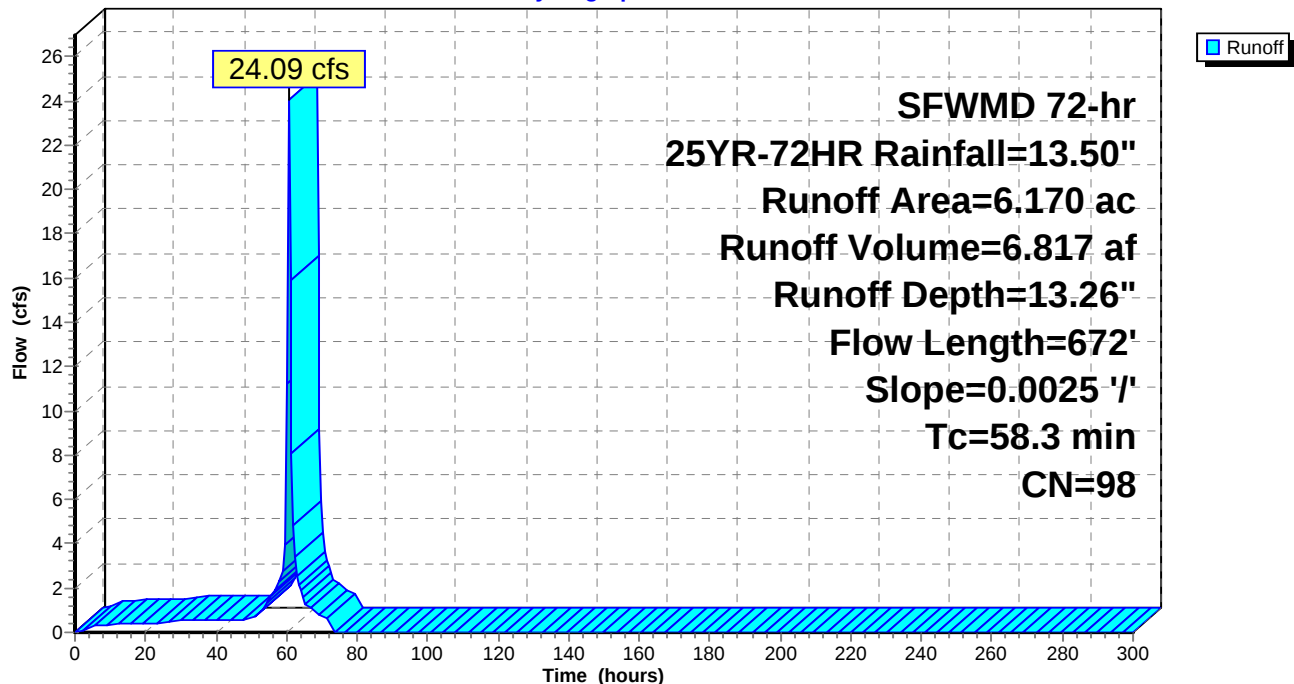
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-300.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
* 6.060	98	Gravel surface, HSG C
* 0.110	98	Wetlands
6.170	98	Weighted Average
6.170		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
40.6	300	0.0025	0.12		Sheet Flow, Wetlands Grass: Short n= 0.150 P2= 5.70"
17.7	372	0.0025	0.35		Shallow Concentrated Flow, Wetlands Short Grass Pasture Kv= 7.0 fps
58.3	672	Total			

Subcatchment 12S: Area 2

Hydrograph



Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 21

Hydrograph for Subcatchment 12S: Area 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	26.50	1.65	1.43	0.51
0.50	0.03	0.00	0.00	27.00	1.70	1.47	0.52
1.00	0.06	0.00	0.00	27.50	1.74	1.52	0.53
1.50	0.09	0.01	0.03	28.00	1.78	1.56	0.54
2.00	0.12	0.02	0.08	28.50	1.83	1.61	0.55
2.50	0.15	0.04	0.14	29.00	1.88	1.65	0.56
3.00	0.18	0.06	0.19	29.50	1.92	1.70	0.56
3.50	0.21	0.08	0.22	30.00	1.97	1.74	0.58
4.00	0.24	0.10	0.25	30.50	2.02	1.79	0.61
4.50	0.27	0.12	0.27	31.00	2.06	1.84	0.59
5.00	0.30	0.15	0.28	31.50	2.11	1.88	0.56
5.50	0.33	0.17	0.30	32.00	2.15	1.92	0.55
6.00	0.36	0.20	0.31	32.50	2.20	1.97	0.54
6.50	0.39	0.22	0.32	33.00	2.24	2.01	0.54
7.00	0.43	0.25	0.32	33.50	2.28	2.06	0.54
7.50	0.46	0.28	0.33	34.00	2.33	2.10	0.54
8.00	0.49	0.31	0.33	34.50	2.37	2.14	0.54
8.50	0.52	0.33	0.34	35.00	2.42	2.19	0.54
9.00	0.55	0.36	0.34	35.50	2.46	2.23	0.54
9.50	0.58	0.39	0.34	36.00	2.50	2.27	0.54
10.00	0.61	0.42	0.35	36.50	2.55	2.32	0.54
10.50	0.64	0.44	0.35	37.00	2.59	2.36	0.54
11.00	0.67	0.47	0.35	37.50	2.63	2.40	0.54
11.50	0.70	0.50	0.35	38.00	2.68	2.45	0.54
12.00	0.73	0.53	0.36	38.50	2.72	2.49	0.54
12.50	0.76	0.56	0.36	39.00	2.77	2.54	0.54
13.00	0.79	0.59	0.36	39.50	2.81	2.58	0.54
13.50	0.82	0.62	0.36	40.00	2.85	2.62	0.54
14.00	0.85	0.65	0.36	40.50	2.90	2.67	0.54
14.50	0.88	0.68	0.36	41.00	2.94	2.71	0.54
15.00	0.91	0.71	0.36	41.50	2.99	2.75	0.54
15.50	0.94	0.73	0.36	42.00	3.03	2.80	0.54
16.00	0.97	0.76	0.36	42.50	3.07	2.84	0.54
16.50	1.00	0.79	0.37	43.00	3.12	2.88	0.54
17.00	1.03	0.82	0.37	43.50	3.16	2.93	0.54
17.50	1.06	0.85	0.37	44.00	3.20	2.97	0.54
18.00	1.09	0.88	0.37	44.50	3.25	3.02	0.54
18.50	1.12	0.91	0.37	45.00	3.29	3.06	0.54
19.00	1.15	0.94	0.37	45.50	3.34	3.10	0.54
19.50	1.18	0.97	0.37	46.00	3.38	3.15	0.54
20.00	1.21	1.00	0.37	46.50	3.42	3.19	0.54
20.50	1.25	1.03	0.37	47.00	3.47	3.23	0.54
21.00	1.28	1.06	0.37	47.50	3.51	3.28	0.54
21.50	1.31	1.09	0.37	48.00	3.56	3.32	0.55
22.00	1.34	1.12	0.37	48.50	3.61	3.38	0.59
22.50	1.37	1.15	0.37	49.00	3.66	3.43	0.63
23.00	1.40	1.18	0.37	49.50	3.71	3.48	0.62
23.50	1.43	1.21	0.37	50.00	3.76	3.53	0.62
24.00	1.46	1.24	0.37	50.50	3.82	3.59	0.65
24.50	1.49	1.27	0.35	51.00	3.88	3.65	0.70
25.00	1.53	1.31	0.39	51.50	3.95	3.71	0.74
25.50	1.57	1.35	0.46	52.00	4.01	3.78	0.78
26.00	1.61	1.39	0.49	52.50	4.10	3.86	0.84

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 22

Hydrograph for Subcatchment 12S: Area 2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
53.00	4.19	3.95	0.96	79.50	13.50	13.26	0.00
53.50	4.28	4.05	1.08	80.00	13.50	13.26	0.00
54.00	4.39	4.16	1.19	80.50	13.50	13.26	0.00
54.50	4.51	4.28	1.30	81.00	13.50	13.26	0.00
55.00	4.64	4.40	1.44	81.50	13.50	13.26	0.00
55.50	4.78	4.54	1.57	82.00	13.50	13.26	0.00
56.00	4.93	4.69	1.69	82.50	13.50	13.26	0.00
56.50	5.10	4.86	1.83	83.00	13.50	13.26	0.00
57.00	5.28	5.04	2.01	83.50	13.50	13.26	0.00
57.50	5.47	5.24	2.20	84.00	13.50	13.26	0.00
58.00	5.68	5.45	2.38	84.50	13.50	13.26	0.00
58.50	5.92	5.68	2.57	85.00	13.50	13.26	0.00
59.00	6.24	6.00	2.96	85.50	13.50	13.26	0.00
59.50	6.74	6.50	3.99	86.00	13.50	13.26	0.00
60.00	10.08	9.84	11.20	86.50	13.50	13.26	0.00
60.50	10.81	10.57	23.95	87.00	13.50	13.26	0.00
61.00	11.19	10.94	15.92	87.50	13.50	13.26	0.00
61.50	11.46	11.21	8.10	88.00	13.50	13.26	0.00
62.00	11.69	11.45	4.79	88.50	13.50	13.26	0.00
62.50	11.87	11.63	3.37	89.00	13.50	13.26	0.00
63.00	12.03	11.79	2.56	89.50	13.50	13.26	0.00
63.50	12.18	11.94	2.14	90.00	13.50	13.26	0.00
64.00	12.31	12.07	1.89	90.50	13.50	13.26	0.00
64.50	12.40	12.16	1.62	91.00	13.50	13.26	0.00
65.00	12.49	12.24	1.30	91.50	13.50	13.26	0.00
65.50	12.58	12.33	1.16	92.00	13.50	13.26	0.00
66.00	12.66	12.42	1.12	92.50	13.50	13.26	0.00
66.50	12.75	12.51	1.12	93.00	13.50	13.26	0.00
67.00	12.84	12.60	1.12	93.50	13.50	13.26	0.00
67.50	12.94	12.70	1.13	94.00	13.50	13.26	0.00
68.00	13.02	12.78	1.14	94.50	13.50	13.26	0.00
68.50	13.08	12.84	1.03	95.00	13.50	13.26	0.00
69.00	13.14	12.90	0.85	95.50	13.50	13.26	0.00
69.50	13.20	12.96	0.77	96.00	13.50	13.26	0.00
70.00	13.26	13.02	0.75	96.50	13.50	13.26	0.00
70.50	13.32	13.08	0.74	97.00	13.50	13.26	0.00
71.00	13.38	13.14	0.74	97.50	13.50	13.26	0.00
71.50	13.44	13.20	0.74	98.00	13.50	13.26	0.00
72.00	13.50	13.26	0.74	98.50	13.50	13.26	0.00
72.50	13.50	13.26	0.62	99.00	13.50	13.26	0.00
73.00	13.50	13.26	0.26	99.50	13.50	13.26	0.00
73.50	13.50	13.26	0.07	100.00	13.50	13.26	0.00
74.00	13.50	13.26	0.02	100.50	13.50	13.26	0.00
74.50	13.50	13.26	0.01	101.00	13.50	13.26	0.00
75.00	13.50	13.26	0.00	101.50	13.50	13.26	0.00
75.50	13.50	13.26	0.00	102.00	13.50	13.26	0.00
76.00	13.50	13.26	0.00	102.50	13.50	13.26	0.00
76.50	13.50	13.26	0.00	103.00	13.50	13.26	0.00
77.00	13.50	13.26	0.00	103.50	13.50	13.26	0.00
77.50	13.50	13.26	0.00	104.00	13.50	13.26	0.00
78.00	13.50	13.26	0.00	104.50	13.50	13.26	0.00
78.50	13.50	13.26	0.00	105.00	13.50	13.26	0.00
79.00	13.50	13.26	0.00	105.50	13.50	13.26	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 23

Hydrograph for Subcatchment 12S: Area 2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
106.00	13.50	13.26	0.00	132.50	13.50	13.26	0.00
106.50	13.50	13.26	0.00	133.00	13.50	13.26	0.00
107.00	13.50	13.26	0.00	133.50	13.50	13.26	0.00
107.50	13.50	13.26	0.00	134.00	13.50	13.26	0.00
108.00	13.50	13.26	0.00	134.50	13.50	13.26	0.00
108.50	13.50	13.26	0.00	135.00	13.50	13.26	0.00
109.00	13.50	13.26	0.00	135.50	13.50	13.26	0.00
109.50	13.50	13.26	0.00	136.00	13.50	13.26	0.00
110.00	13.50	13.26	0.00	136.50	13.50	13.26	0.00
110.50	13.50	13.26	0.00	137.00	13.50	13.26	0.00
111.00	13.50	13.26	0.00	137.50	13.50	13.26	0.00
111.50	13.50	13.26	0.00	138.00	13.50	13.26	0.00
112.00	13.50	13.26	0.00	138.50	13.50	13.26	0.00
112.50	13.50	13.26	0.00	139.00	13.50	13.26	0.00
113.00	13.50	13.26	0.00	139.50	13.50	13.26	0.00
113.50	13.50	13.26	0.00	140.00	13.50	13.26	0.00
114.00	13.50	13.26	0.00	140.50	13.50	13.26	0.00
114.50	13.50	13.26	0.00	141.00	13.50	13.26	0.00
115.00	13.50	13.26	0.00	141.50	13.50	13.26	0.00
115.50	13.50	13.26	0.00	142.00	13.50	13.26	0.00
116.00	13.50	13.26	0.00	142.50	13.50	13.26	0.00
116.50	13.50	13.26	0.00	143.00	13.50	13.26	0.00
117.00	13.50	13.26	0.00	143.50	13.50	13.26	0.00
117.50	13.50	13.26	0.00	144.00	13.50	13.26	0.00
118.00	13.50	13.26	0.00	144.50	13.50	13.26	0.00
118.50	13.50	13.26	0.00	145.00	13.50	13.26	0.00
119.00	13.50	13.26	0.00	145.50	13.50	13.26	0.00
119.50	13.50	13.26	0.00	146.00	13.50	13.26	0.00
120.00	13.50	13.26	0.00	146.50	13.50	13.26	0.00
120.50	13.50	13.26	0.00	147.00	13.50	13.26	0.00
121.00	13.50	13.26	0.00	147.50	13.50	13.26	0.00
121.50	13.50	13.26	0.00	148.00	13.50	13.26	0.00
122.00	13.50	13.26	0.00	148.50	13.50	13.26	0.00
122.50	13.50	13.26	0.00	149.00	13.50	13.26	0.00
123.00	13.50	13.26	0.00	149.50	13.50	13.26	0.00
123.50	13.50	13.26	0.00	150.00	13.50	13.26	0.00
124.00	13.50	13.26	0.00	150.50	13.50	13.26	0.00
124.50	13.50	13.26	0.00	151.00	13.50	13.26	0.00
125.00	13.50	13.26	0.00	151.50	13.50	13.26	0.00
125.50	13.50	13.26	0.00	152.00	13.50	13.26	0.00
126.00	13.50	13.26	0.00	152.50	13.50	13.26	0.00
126.50	13.50	13.26	0.00	153.00	13.50	13.26	0.00
127.00	13.50	13.26	0.00	153.50	13.50	13.26	0.00
127.50	13.50	13.26	0.00	154.00	13.50	13.26	0.00
128.00	13.50	13.26	0.00	154.50	13.50	13.26	0.00
128.50	13.50	13.26	0.00	155.00	13.50	13.26	0.00
129.00	13.50	13.26	0.00	155.50	13.50	13.26	0.00
129.50	13.50	13.26	0.00	156.00	13.50	13.26	0.00
130.00	13.50	13.26	0.00	156.50	13.50	13.26	0.00
130.50	13.50	13.26	0.00	157.00	13.50	13.26	0.00
131.00	13.50	13.26	0.00	157.50	13.50	13.26	0.00
131.50	13.50	13.26	0.00	158.00	13.50	13.26	0.00
132.00	13.50	13.26	0.00	158.50	13.50	13.26	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 24

Hydrograph for Subcatchment 12S: Area 2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
159.00	13.50	13.26	0.00	185.50	13.50	13.26	0.00
159.50	13.50	13.26	0.00	186.00	13.50	13.26	0.00
160.00	13.50	13.26	0.00	186.50	13.50	13.26	0.00
160.50	13.50	13.26	0.00	187.00	13.50	13.26	0.00
161.00	13.50	13.26	0.00	187.50	13.50	13.26	0.00
161.50	13.50	13.26	0.00	188.00	13.50	13.26	0.00
162.00	13.50	13.26	0.00	188.50	13.50	13.26	0.00
162.50	13.50	13.26	0.00	189.00	13.50	13.26	0.00
163.00	13.50	13.26	0.00	189.50	13.50	13.26	0.00
163.50	13.50	13.26	0.00	190.00	13.50	13.26	0.00
164.00	13.50	13.26	0.00	190.50	13.50	13.26	0.00
164.50	13.50	13.26	0.00	191.00	13.50	13.26	0.00
165.00	13.50	13.26	0.00	191.50	13.50	13.26	0.00
165.50	13.50	13.26	0.00	192.00	13.50	13.26	0.00
166.00	13.50	13.26	0.00	192.50	13.50	13.26	0.00
166.50	13.50	13.26	0.00	193.00	13.50	13.26	0.00
167.00	13.50	13.26	0.00	193.50	13.50	13.26	0.00
167.50	13.50	13.26	0.00	194.00	13.50	13.26	0.00
168.00	13.50	13.26	0.00	194.50	13.50	13.26	0.00
168.50	13.50	13.26	0.00	195.00	13.50	13.26	0.00
169.00	13.50	13.26	0.00	195.50	13.50	13.26	0.00
169.50	13.50	13.26	0.00	196.00	13.50	13.26	0.00
170.00	13.50	13.26	0.00	196.50	13.50	13.26	0.00
170.50	13.50	13.26	0.00	197.00	13.50	13.26	0.00
171.00	13.50	13.26	0.00	197.50	13.50	13.26	0.00
171.50	13.50	13.26	0.00	198.00	13.50	13.26	0.00
172.00	13.50	13.26	0.00	198.50	13.50	13.26	0.00
172.50	13.50	13.26	0.00	199.00	13.50	13.26	0.00
173.00	13.50	13.26	0.00	199.50	13.50	13.26	0.00
173.50	13.50	13.26	0.00	200.00	13.50	13.26	0.00
174.00	13.50	13.26	0.00	200.50	13.50	13.26	0.00
174.50	13.50	13.26	0.00	201.00	13.50	13.26	0.00
175.00	13.50	13.26	0.00	201.50	13.50	13.26	0.00
175.50	13.50	13.26	0.00	202.00	13.50	13.26	0.00
176.00	13.50	13.26	0.00	202.50	13.50	13.26	0.00
176.50	13.50	13.26	0.00	203.00	13.50	13.26	0.00
177.00	13.50	13.26	0.00	203.50	13.50	13.26	0.00
177.50	13.50	13.26	0.00	204.00	13.50	13.26	0.00
178.00	13.50	13.26	0.00	204.50	13.50	13.26	0.00
178.50	13.50	13.26	0.00	205.00	13.50	13.26	0.00
179.00	13.50	13.26	0.00	205.50	13.50	13.26	0.00
179.50	13.50	13.26	0.00	206.00	13.50	13.26	0.00
180.00	13.50	13.26	0.00	206.50	13.50	13.26	0.00
180.50	13.50	13.26	0.00	207.00	13.50	13.26	0.00
181.00	13.50	13.26	0.00	207.50	13.50	13.26	0.00
181.50	13.50	13.26	0.00	208.00	13.50	13.26	0.00
182.00	13.50	13.26	0.00	208.50	13.50	13.26	0.00
182.50	13.50	13.26	0.00	209.00	13.50	13.26	0.00
183.00	13.50	13.26	0.00	209.50	13.50	13.26	0.00
183.50	13.50	13.26	0.00	210.00	13.50	13.26	0.00
184.00	13.50	13.26	0.00	210.50	13.50	13.26	0.00
184.50	13.50	13.26	0.00	211.00	13.50	13.26	0.00
185.00	13.50	13.26	0.00	211.50	13.50	13.26	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 25

Hydrograph for Subcatchment 12S: Area 2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
212.00	13.50	13.26	0.00	238.50	13.50	13.26	0.00
212.50	13.50	13.26	0.00	239.00	13.50	13.26	0.00
213.00	13.50	13.26	0.00	239.50	13.50	13.26	0.00
213.50	13.50	13.26	0.00	240.00	13.50	13.26	0.00
214.00	13.50	13.26	0.00	240.50	13.50	13.26	0.00
214.50	13.50	13.26	0.00	241.00	13.50	13.26	0.00
215.00	13.50	13.26	0.00	241.50	13.50	13.26	0.00
215.50	13.50	13.26	0.00	242.00	13.50	13.26	0.00
216.00	13.50	13.26	0.00	242.50	13.50	13.26	0.00
216.50	13.50	13.26	0.00	243.00	13.50	13.26	0.00
217.00	13.50	13.26	0.00	243.50	13.50	13.26	0.00
217.50	13.50	13.26	0.00	244.00	13.50	13.26	0.00
218.00	13.50	13.26	0.00	244.50	13.50	13.26	0.00
218.50	13.50	13.26	0.00	245.00	13.50	13.26	0.00
219.00	13.50	13.26	0.00	245.50	13.50	13.26	0.00
219.50	13.50	13.26	0.00	246.00	13.50	13.26	0.00
220.00	13.50	13.26	0.00	246.50	13.50	13.26	0.00
220.50	13.50	13.26	0.00	247.00	13.50	13.26	0.00
221.00	13.50	13.26	0.00	247.50	13.50	13.26	0.00
221.50	13.50	13.26	0.00	248.00	13.50	13.26	0.00
222.00	13.50	13.26	0.00	248.50	13.50	13.26	0.00
222.50	13.50	13.26	0.00	249.00	13.50	13.26	0.00
223.00	13.50	13.26	0.00	249.50	13.50	13.26	0.00
223.50	13.50	13.26	0.00	250.00	13.50	13.26	0.00
224.00	13.50	13.26	0.00	250.50	13.50	13.26	0.00
224.50	13.50	13.26	0.00	251.00	13.50	13.26	0.00
225.00	13.50	13.26	0.00	251.50	13.50	13.26	0.00
225.50	13.50	13.26	0.00	252.00	13.50	13.26	0.00
226.00	13.50	13.26	0.00	252.50	13.50	13.26	0.00
226.50	13.50	13.26	0.00	253.00	13.50	13.26	0.00
227.00	13.50	13.26	0.00	253.50	13.50	13.26	0.00
227.50	13.50	13.26	0.00	254.00	13.50	13.26	0.00
228.00	13.50	13.26	0.00	254.50	13.50	13.26	0.00
228.50	13.50	13.26	0.00	255.00	13.50	13.26	0.00
229.00	13.50	13.26	0.00	255.50	13.50	13.26	0.00
229.50	13.50	13.26	0.00	256.00	13.50	13.26	0.00
230.00	13.50	13.26	0.00	256.50	13.50	13.26	0.00
230.50	13.50	13.26	0.00	257.00	13.50	13.26	0.00
231.00	13.50	13.26	0.00	257.50	13.50	13.26	0.00
231.50	13.50	13.26	0.00	258.00	13.50	13.26	0.00
232.00	13.50	13.26	0.00	258.50	13.50	13.26	0.00
232.50	13.50	13.26	0.00	259.00	13.50	13.26	0.00
233.00	13.50	13.26	0.00	259.50	13.50	13.26	0.00
233.50	13.50	13.26	0.00	260.00	13.50	13.26	0.00
234.00	13.50	13.26	0.00	260.50	13.50	13.26	0.00
234.50	13.50	13.26	0.00	261.00	13.50	13.26	0.00
235.00	13.50	13.26	0.00	261.50	13.50	13.26	0.00
235.50	13.50	13.26	0.00	262.00	13.50	13.26	0.00
236.00	13.50	13.26	0.00	262.50	13.50	13.26	0.00
236.50	13.50	13.26	0.00	263.00	13.50	13.26	0.00
237.00	13.50	13.26	0.00	263.50	13.50	13.26	0.00
237.50	13.50	13.26	0.00	264.00	13.50	13.26	0.00
238.00	13.50	13.26	0.00	264.50	13.50	13.26	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 26

Hydrograph for Subcatchment 12S: Area 2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
265.00	13.50	13.26	0.00	291.50	13.50	13.26	0.00
265.50	13.50	13.26	0.00	292.00	13.50	13.26	0.00
266.00	13.50	13.26	0.00	292.50	13.50	13.26	0.00
266.50	13.50	13.26	0.00	293.00	13.50	13.26	0.00
267.00	13.50	13.26	0.00	293.50	13.50	13.26	0.00
267.50	13.50	13.26	0.00	294.00	13.50	13.26	0.00
268.00	13.50	13.26	0.00	294.50	13.50	13.26	0.00
268.50	13.50	13.26	0.00	295.00	13.50	13.26	0.00
269.00	13.50	13.26	0.00	295.50	13.50	13.26	0.00
269.50	13.50	13.26	0.00	296.00	13.50	13.26	0.00
270.00	13.50	13.26	0.00	296.50	13.50	13.26	0.00
270.50	13.50	13.26	0.00	297.00	13.50	13.26	0.00
271.00	13.50	13.26	0.00	297.50	13.50	13.26	0.00
271.50	13.50	13.26	0.00	298.00	13.50	13.26	0.00
272.00	13.50	13.26	0.00	298.50	13.50	13.26	0.00
272.50	13.50	13.26	0.00	299.00	13.50	13.26	0.00
273.00	13.50	13.26	0.00	299.50	13.50	13.26	0.00
273.50	13.50	13.26	0.00	300.00	13.50	13.26	0.00
274.00	13.50	13.26	0.00				
274.50	13.50	13.26	0.00				
275.00	13.50	13.26	0.00				
275.50	13.50	13.26	0.00				
276.00	13.50	13.26	0.00				
276.50	13.50	13.26	0.00				
277.00	13.50	13.26	0.00				
277.50	13.50	13.26	0.00				
278.00	13.50	13.26	0.00				
278.50	13.50	13.26	0.00				
279.00	13.50	13.26	0.00				
279.50	13.50	13.26	0.00				
280.00	13.50	13.26	0.00				
280.50	13.50	13.26	0.00				
281.00	13.50	13.26	0.00				
281.50	13.50	13.26	0.00				
282.00	13.50	13.26	0.00				
282.50	13.50	13.26	0.00				
283.00	13.50	13.26	0.00				
283.50	13.50	13.26	0.00				
284.00	13.50	13.26	0.00				
284.50	13.50	13.26	0.00				
285.00	13.50	13.26	0.00				
285.50	13.50	13.26	0.00				
286.00	13.50	13.26	0.00				
286.50	13.50	13.26	0.00				
287.00	13.50	13.26	0.00				
287.50	13.50	13.26	0.00				
288.00	13.50	13.26	0.00				
288.50	13.50	13.26	0.00				
289.00	13.50	13.26	0.00				
289.50	13.50	13.26	0.00				
290.00	13.50	13.26	0.00				
290.50	13.50	13.26	0.00				
291.00	13.50	13.26	0.00				

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 27

Summary for Pond 13P: Existing Wetlands

Inflow Area = 25.640 ac, 97.82% Impervious, Inflow Depth = 13.18" for 25YR-72HR event
Inflow = 104.37 cfs @ 60.50 hrs, Volume= 28.170 af
Outflow = 81.61 cfs @ 60.85 hrs, Volume= 25.167 af, Atten= 22%, Lag= 21.2 min
Primary = 81.61 cfs @ 60.85 hrs, Volume= 25.167 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-300.00 hrs, dt= 0.50 hrs
Peak Elev= 2.53' @ 60.85 hrs Surf.Area= 0.000 ac Storage= 6.058 af

Plug-Flow detention time= 432.4 min calculated for 25.167 af (89% of inflow)
Center-of-Mass det. time= 315.3 min (3,478.4 - 3,163.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.90'	7.473 af	Custom Stage Data Listed below

Elevation (feet)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
0.90	0.000	0.000
1.50	3.003	3.003
3.00	4.470	7.473

Device	Routing	Invert	Outlet Devices
#1	Primary	1.50'	30.0' long x 20.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63

Primary OutFlow Max=77.43 cfs @ 60.85 hrs HW=2.49' TW=0.00' (Dynamic Tailwater)

1=Broad-Crested Rectangular Weir (Weir Controls 77.43 cfs @ 2.61 fps)

Construction and Maintenance Use Area

Prepared by Black & Veatch

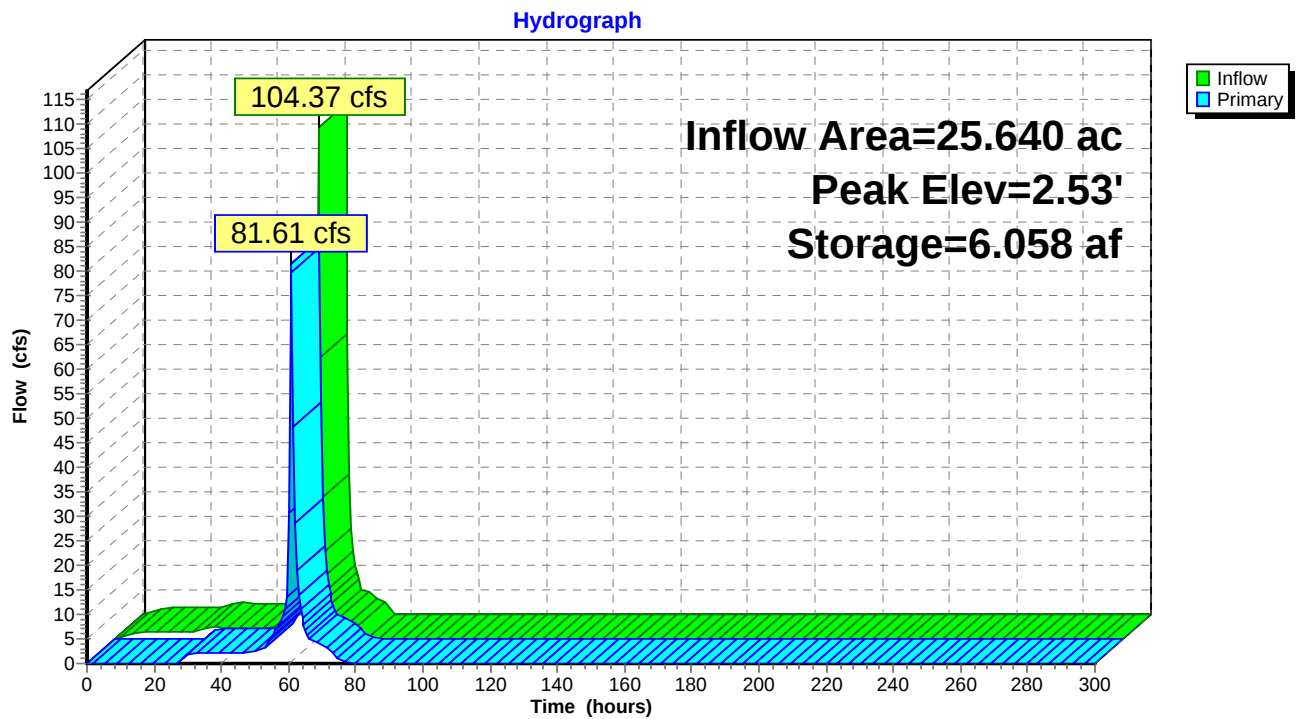
HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

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

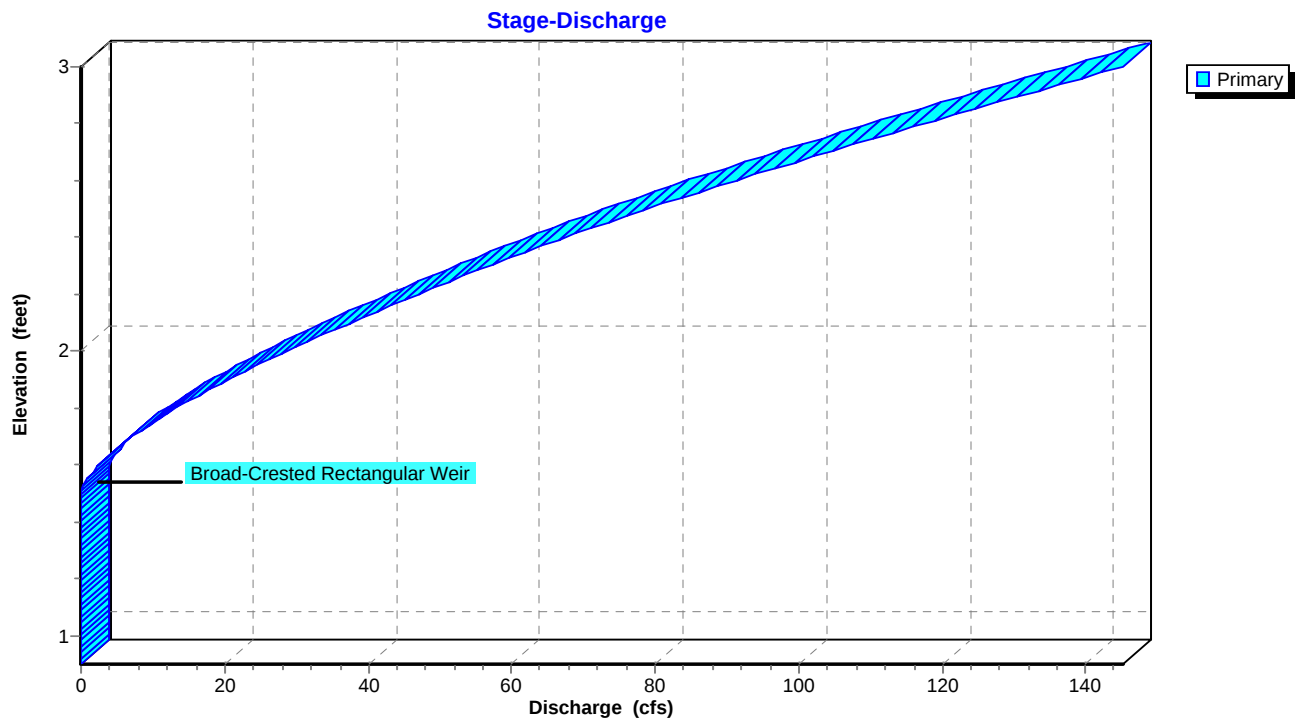
Printed 6/26/2017

Page 28

Pond 13P: Existing Wetlands



Pond 13P: Existing Wetlands



Construction and Maintenance Use Area

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

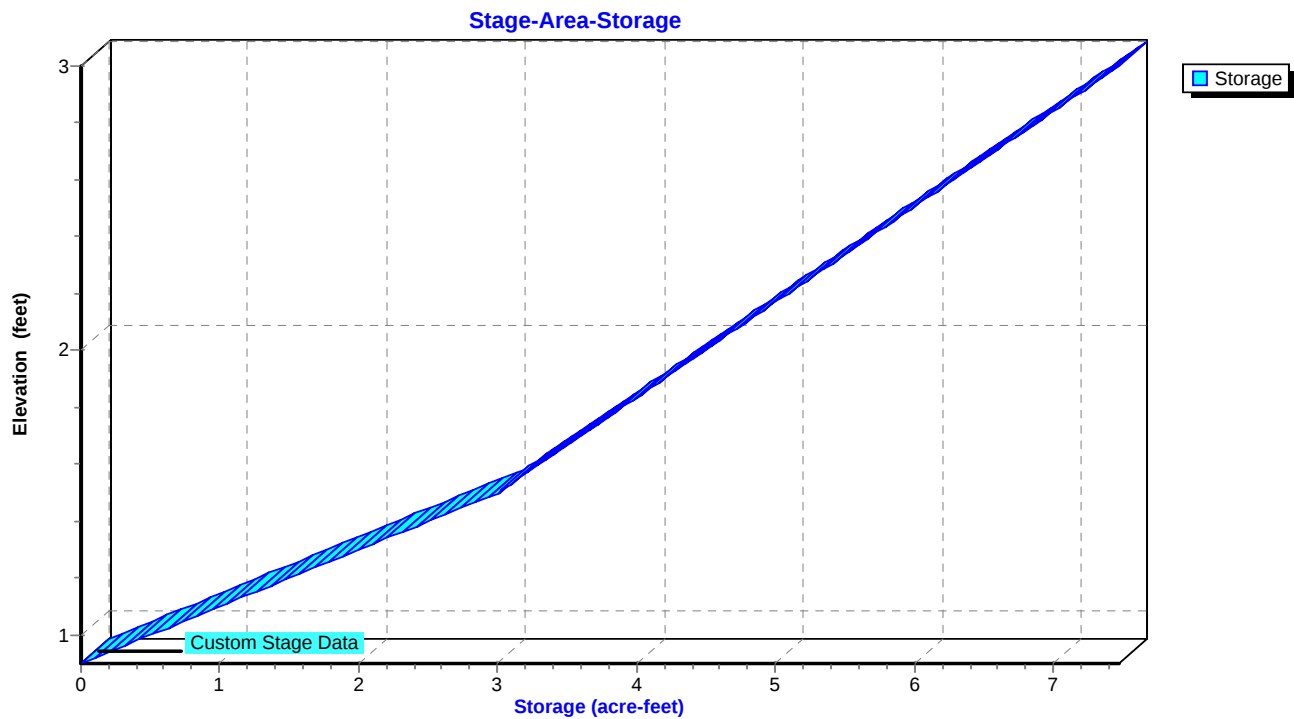
Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 29

Pond 13P: Existing Wetlands



Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 30

Hydrograph for Pond 13P: Existing Wetlands

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Outflow-Volume (acre-feet)
0.00	0.00	0.000	0.90	0.00	0.00	0.000
1.00	0.01	0.000	0.90	0.00	0.00	0.000
2.00	0.31	0.011	0.90	0.00	0.00	0.000
3.00	0.68	0.052	0.91	0.00	0.00	0.000
4.00	0.92	0.119	0.92	0.00	0.00	0.000
5.00	1.08	0.202	0.94	0.00	0.00	0.000
6.00	1.18	0.295	0.96	0.00	0.00	0.000
7.00	1.25	0.396	0.98	0.00	0.00	0.000
8.00	1.31	0.502	1.00	0.00	0.00	0.000
9.00	1.35	0.611	1.02	0.00	0.00	0.000
10.00	1.38	0.724	1.04	0.00	0.00	0.000
11.00	1.40	0.839	1.07	0.00	0.00	0.000
12.00	1.42	0.956	1.09	0.00	0.00	0.000
13.00	1.44	1.074	1.11	0.00	0.00	0.000
14.00	1.46	1.194	1.14	0.00	0.00	0.000
15.00	1.47	1.314	1.16	0.00	0.00	0.000
16.00	1.48	1.436	1.19	0.00	0.00	0.000
17.00	1.49	1.559	1.21	0.00	0.00	0.000
18.00	1.49	1.682	1.24	0.00	0.00	0.000
19.00	1.50	1.805	1.26	0.00	0.00	0.000
20.00	1.51	1.930	1.29	0.00	0.00	0.000
21.00	1.51	2.054	1.31	0.00	0.00	0.000
22.00	1.52	2.179	1.34	0.00	0.00	0.000
23.00	1.52	2.305	1.36	0.00	0.00	0.000
24.00	1.51	2.430	1.39	0.00	0.00	0.000
25.00	1.73	2.557	1.41	0.00	0.00	0.000
26.00	2.04	2.716	1.44	0.00	0.00	0.000
27.00	2.13	2.888	1.48	0.00	0.00	0.000
28.00	2.21	3.063	1.52	0.23	0.23	0.010
29.00	2.29	3.188	1.56	1.24	1.24	0.092
30.00	2.38	3.249	1.58	1.90	1.90	0.238
31.00	2.40	3.278	1.59	2.26	2.26	0.419
32.00	2.24	3.280	1.59	2.28	2.28	0.608
33.00	2.24	3.278	1.59	2.25	2.25	0.794
34.00	2.24	3.277	1.59	2.24	2.24	0.979
35.00	2.24	3.277	1.59	2.24	2.24	1.165
36.00	2.24	3.277	1.59	2.24	2.24	1.350
37.00	2.24	3.277	1.59	2.24	2.24	1.535
38.00	2.24	3.277	1.59	2.24	2.24	1.720
39.00	2.25	3.277	1.59	2.24	2.24	1.906
40.00	2.25	3.277	1.59	2.25	2.25	2.092
41.00	2.25	3.277	1.59	2.25	2.25	2.277
42.00	2.25	3.278	1.59	2.25	2.25	2.463
43.00	2.25	3.278	1.59	2.25	2.25	2.649
44.00	2.25	3.278	1.59	2.25	2.25	2.835
45.00	2.25	3.278	1.59	2.25	2.25	3.021
46.00	2.25	3.278	1.59	2.25	2.25	3.207
47.00	2.25	3.278	1.59	2.25	2.25	3.393
48.00	2.26	3.278	1.59	2.26	2.26	3.580
49.00	2.60	3.290	1.60	2.41	2.41	3.775
50.00	2.58	3.299	1.60	2.52	2.52	3.981
51.00	2.95	3.313	1.60	2.69	2.69	4.199
52.00	3.27	3.335	1.61	2.99	2.99	4.440

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 31

Hydrograph for Pond 13P: Existing Wetlands (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Outflow-Volume (acre-feet)
53.00	4.11	3.370	1.62	3.47	3.47	4.715
54.00	5.04	3.428	1.64	4.32	4.32	5.054
55.00	6.08	3.489	1.66	5.29	5.29	5.470
56.00	7.13	3.553	1.68	6.38	6.38	5.975
57.00	8.54	3.621	1.71	7.59	7.59	6.575
58.00	10.03	3.700	1.73	9.10	9.10	7.295
59.00	12.72	3.795	1.77	11.03	11.03	8.160
60.00	57.98	4.565	2.02	30.74	30.74	9.996
61.00	57.33	6.007	2.51	79.86	79.86	16.264
62.00	17.45	4.492	2.00	28.61	28.61	19.442
63.00	9.98	3.925	1.81	13.90	13.90	20.798
64.00	7.65	3.710	1.74	9.30	9.30	21.638
65.00	5.16	3.577	1.69	6.79	6.79	22.249
66.00	4.64	3.486	1.66	5.24	5.24	22.706
67.00	4.63	3.458	1.65	4.79	4.79	23.109
68.00	4.71	3.454	1.65	4.73	4.73	23.500
69.00	3.40	3.419	1.64	4.19	4.19	23.862
70.00	3.09	3.369	1.62	3.47	3.47	24.161
71.00	3.07	3.350	1.62	3.19	3.19	24.429
72.00	3.06	3.344	1.61	3.11	3.11	24.687
73.00	0.79	3.287	1.60	2.36	2.36	24.906
74.00	0.04	3.173	1.56	1.09	1.09	25.018
75.00	0.00	3.109	1.54	0.54	0.54	25.072
76.00	0.00	3.075	1.52	0.30	0.30	25.101
77.00	0.00	3.055	1.52	0.19	0.19	25.118
78.00	0.00	3.043	1.51	0.12	0.12	25.130
79.00	0.00	3.034	1.51	0.09	0.09	25.137
80.00	0.00	3.028	1.51	0.06	0.06	25.143
81.00	0.00	3.024	1.51	0.05	0.05	25.147
82.00	0.00	3.020	1.51	0.04	0.04	25.150
83.00	0.00	3.018	1.50	0.03	0.03	25.153
84.00	0.00	3.016	1.50	0.02	0.02	25.155
85.00	0.00	3.014	1.50	0.02	0.02	25.156
86.00	0.00	3.013	1.50	0.01	0.01	25.157
87.00	0.00	3.012	1.50	0.01	0.01	25.158
88.00	0.00	3.011	1.50	0.01	0.01	25.159
89.00	0.00	3.010	1.50	0.01	0.01	25.160
90.00	0.00	3.009	1.50	0.01	0.01	25.161
91.00	0.00	3.009	1.50	0.01	0.01	25.161
92.00	0.00	3.008	1.50	0.01	0.01	25.162
93.00	0.00	3.008	1.50	0.00	0.00	25.162
94.00	0.00	3.007	1.50	0.00	0.00	25.163
95.00	0.00	3.007	1.50	0.00	0.00	25.163
96.00	0.00	3.007	1.50	0.00	0.00	25.163
97.00	0.00	3.006	1.50	0.00	0.00	25.163
98.00	0.00	3.006	1.50	0.00	0.00	25.164
99.00	0.00	3.006	1.50	0.00	0.00	25.164
100.00	0.00	3.006	1.50	0.00	0.00	25.164
101.00	0.00	3.006	1.50	0.00	0.00	25.164
102.00	0.00	3.005	1.50	0.00	0.00	25.164
103.00	0.00	3.005	1.50	0.00	0.00	25.165
104.00	0.00	3.005	1.50	0.00	0.00	25.165
105.00	0.00	3.005	1.50	0.00	0.00	25.165

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 32

Hydrograph for Pond 13P: Existing Wetlands (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Outflow-Volume (acre-feet)
106.00	0.00	3.005	1.50	0.00	0.00	25.165
107.00	0.00	3.005	1.50	0.00	0.00	25.165
108.00	0.00	3.005	1.50	0.00	0.00	25.165
109.00	0.00	3.005	1.50	0.00	0.00	25.165
110.00	0.00	3.005	1.50	0.00	0.00	25.165
111.00	0.00	3.004	1.50	0.00	0.00	25.165
112.00	0.00	3.004	1.50	0.00	0.00	25.165
113.00	0.00	3.004	1.50	0.00	0.00	25.165
114.00	0.00	3.004	1.50	0.00	0.00	25.165
115.00	0.00	3.004	1.50	0.00	0.00	25.166
116.00	0.00	3.004	1.50	0.00	0.00	25.166
117.00	0.00	3.004	1.50	0.00	0.00	25.166
118.00	0.00	3.004	1.50	0.00	0.00	25.166
119.00	0.00	3.004	1.50	0.00	0.00	25.166
120.00	0.00	3.004	1.50	0.00	0.00	25.166
121.00	0.00	3.004	1.50	0.00	0.00	25.166
122.00	0.00	3.004	1.50	0.00	0.00	25.166
123.00	0.00	3.004	1.50	0.00	0.00	25.166
124.00	0.00	3.004	1.50	0.00	0.00	25.166
125.00	0.00	3.004	1.50	0.00	0.00	25.166
126.00	0.00	3.004	1.50	0.00	0.00	25.166
127.00	0.00	3.004	1.50	0.00	0.00	25.166
128.00	0.00	3.004	1.50	0.00	0.00	25.166
129.00	0.00	3.004	1.50	0.00	0.00	25.166
130.00	0.00	3.004	1.50	0.00	0.00	25.166
131.00	0.00	3.004	1.50	0.00	0.00	25.166
132.00	0.00	3.004	1.50	0.00	0.00	25.166
133.00	0.00	3.004	1.50	0.00	0.00	25.166
134.00	0.00	3.004	1.50	0.00	0.00	25.166
135.00	0.00	3.004	1.50	0.00	0.00	25.166
136.00	0.00	3.004	1.50	0.00	0.00	25.166
137.00	0.00	3.004	1.50	0.00	0.00	25.166
138.00	0.00	3.004	1.50	0.00	0.00	25.166
139.00	0.00	3.004	1.50	0.00	0.00	25.166
140.00	0.00	3.003	1.50	0.00	0.00	25.166
141.00	0.00	3.003	1.50	0.00	0.00	25.166
142.00	0.00	3.003	1.50	0.00	0.00	25.166
143.00	0.00	3.003	1.50	0.00	0.00	25.166
144.00	0.00	3.003	1.50	0.00	0.00	25.166
145.00	0.00	3.003	1.50	0.00	0.00	25.166
146.00	0.00	3.003	1.50	0.00	0.00	25.166
147.00	0.00	3.003	1.50	0.00	0.00	25.166
148.00	0.00	3.003	1.50	0.00	0.00	25.166
149.00	0.00	3.003	1.50	0.00	0.00	25.166
150.00	0.00	3.003	1.50	0.00	0.00	25.166
151.00	0.00	3.003	1.50	0.00	0.00	25.166
152.00	0.00	3.003	1.50	0.00	0.00	25.166
153.00	0.00	3.003	1.50	0.00	0.00	25.166
154.00	0.00	3.003	1.50	0.00	0.00	25.166
155.00	0.00	3.003	1.50	0.00	0.00	25.166
156.00	0.00	3.003	1.50	0.00	0.00	25.166
157.00	0.00	3.003	1.50	0.00	0.00	25.166
158.00	0.00	3.003	1.50	0.00	0.00	25.166

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 33

Hydrograph for Pond 13P: Existing Wetlands (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Outflow-Volume (acre-feet)
159.00	0.00	3.003	1.50	0.00	0.00	25.166
160.00	0.00	3.003	1.50	0.00	0.00	25.166
161.00	0.00	3.003	1.50	0.00	0.00	25.166
162.00	0.00	3.003	1.50	0.00	0.00	25.166
163.00	0.00	3.003	1.50	0.00	0.00	25.166
164.00	0.00	3.003	1.50	0.00	0.00	25.166
165.00	0.00	3.003	1.50	0.00	0.00	25.166
166.00	0.00	3.003	1.50	0.00	0.00	25.166
167.00	0.00	3.003	1.50	0.00	0.00	25.166
168.00	0.00	3.003	1.50	0.00	0.00	25.166
169.00	0.00	3.003	1.50	0.00	0.00	25.166
170.00	0.00	3.003	1.50	0.00	0.00	25.166
171.00	0.00	3.003	1.50	0.00	0.00	25.166
172.00	0.00	3.003	1.50	0.00	0.00	25.166
173.00	0.00	3.003	1.50	0.00	0.00	25.166
174.00	0.00	3.003	1.50	0.00	0.00	25.167
175.00	0.00	3.003	1.50	0.00	0.00	25.167
176.00	0.00	3.003	1.50	0.00	0.00	25.167
177.00	0.00	3.003	1.50	0.00	0.00	25.167
178.00	0.00	3.003	1.50	0.00	0.00	25.167
179.00	0.00	3.003	1.50	0.00	0.00	25.167
180.00	0.00	3.003	1.50	0.00	0.00	25.167
181.00	0.00	3.003	1.50	0.00	0.00	25.167
182.00	0.00	3.003	1.50	0.00	0.00	25.167
183.00	0.00	3.003	1.50	0.00	0.00	25.167
184.00	0.00	3.003	1.50	0.00	0.00	25.167
185.00	0.00	3.003	1.50	0.00	0.00	25.167
186.00	0.00	3.003	1.50	0.00	0.00	25.167
187.00	0.00	3.003	1.50	0.00	0.00	25.167
188.00	0.00	3.003	1.50	0.00	0.00	25.167
189.00	0.00	3.003	1.50	0.00	0.00	25.167
190.00	0.00	3.003	1.50	0.00	0.00	25.167
191.00	0.00	3.003	1.50	0.00	0.00	25.167
192.00	0.00	3.003	1.50	0.00	0.00	25.167
193.00	0.00	3.003	1.50	0.00	0.00	25.167
194.00	0.00	3.003	1.50	0.00	0.00	25.167
195.00	0.00	3.003	1.50	0.00	0.00	25.167
196.00	0.00	3.003	1.50	0.00	0.00	25.167
197.00	0.00	3.003	1.50	0.00	0.00	25.167
198.00	0.00	3.003	1.50	0.00	0.00	25.167
199.00	0.00	3.003	1.50	0.00	0.00	25.167
200.00	0.00	3.003	1.50	0.00	0.00	25.167
201.00	0.00	3.003	1.50	0.00	0.00	25.167
202.00	0.00	3.003	1.50	0.00	0.00	25.167
203.00	0.00	3.003	1.50	0.00	0.00	25.167
204.00	0.00	3.003	1.50	0.00	0.00	25.167
205.00	0.00	3.003	1.50	0.00	0.00	25.167
206.00	0.00	3.003	1.50	0.00	0.00	25.167
207.00	0.00	3.003	1.50	0.00	0.00	25.167
208.00	0.00	3.003	1.50	0.00	0.00	25.167
209.00	0.00	3.003	1.50	0.00	0.00	25.167
210.00	0.00	3.003	1.50	0.00	0.00	25.167
211.00	0.00	3.003	1.50	0.00	0.00	25.167

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 34

Hydrograph for Pond 13P: Existing Wetlands (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Outflow-Volume (acre-feet)
212.00	0.00	3.003	1.50	0.00	0.00	25.167
213.00	0.00	3.003	1.50	0.00	0.00	25.167
214.00	0.00	3.003	1.50	0.00	0.00	25.167
215.00	0.00	3.003	1.50	0.00	0.00	25.167
216.00	0.00	3.003	1.50	0.00	0.00	25.167
217.00	0.00	3.003	1.50	0.00	0.00	25.167
218.00	0.00	3.003	1.50	0.00	0.00	25.167
219.00	0.00	3.003	1.50	0.00	0.00	25.167
220.00	0.00	3.003	1.50	0.00	0.00	25.167
221.00	0.00	3.003	1.50	0.00	0.00	25.167
222.00	0.00	3.003	1.50	0.00	0.00	25.167
223.00	0.00	3.003	1.50	0.00	0.00	25.167
224.00	0.00	3.003	1.50	0.00	0.00	25.167
225.00	0.00	3.003	1.50	0.00	0.00	25.167
226.00	0.00	3.003	1.50	0.00	0.00	25.167
227.00	0.00	3.003	1.50	0.00	0.00	25.167
228.00	0.00	3.003	1.50	0.00	0.00	25.167
229.00	0.00	3.003	1.50	0.00	0.00	25.167
230.00	0.00	3.003	1.50	0.00	0.00	25.167
231.00	0.00	3.003	1.50	0.00	0.00	25.167
232.00	0.00	3.003	1.50	0.00	0.00	25.167
233.00	0.00	3.003	1.50	0.00	0.00	25.167
234.00	0.00	3.003	1.50	0.00	0.00	25.167
235.00	0.00	3.003	1.50	0.00	0.00	25.167
236.00	0.00	3.003	1.50	0.00	0.00	25.167
237.00	0.00	3.003	1.50	0.00	0.00	25.167
238.00	0.00	3.003	1.50	0.00	0.00	25.167
239.00	0.00	3.003	1.50	0.00	0.00	25.167
240.00	0.00	3.003	1.50	0.00	0.00	25.167
241.00	0.00	3.003	1.50	0.00	0.00	25.167
242.00	0.00	3.003	1.50	0.00	0.00	25.167
243.00	0.00	3.003	1.50	0.00	0.00	25.167
244.00	0.00	3.003	1.50	0.00	0.00	25.167
245.00	0.00	3.003	1.50	0.00	0.00	25.167
246.00	0.00	3.003	1.50	0.00	0.00	25.167
247.00	0.00	3.003	1.50	0.00	0.00	25.167
248.00	0.00	3.003	1.50	0.00	0.00	25.167
249.00	0.00	3.003	1.50	0.00	0.00	25.167
250.00	0.00	3.003	1.50	0.00	0.00	25.167
251.00	0.00	3.003	1.50	0.00	0.00	25.167
252.00	0.00	3.003	1.50	0.00	0.00	25.167
253.00	0.00	3.003	1.50	0.00	0.00	25.167
254.00	0.00	3.003	1.50	0.00	0.00	25.167
255.00	0.00	3.003	1.50	0.00	0.00	25.167
256.00	0.00	3.003	1.50	0.00	0.00	25.167
257.00	0.00	3.003	1.50	0.00	0.00	25.167
258.00	0.00	3.003	1.50	0.00	0.00	25.167
259.00	0.00	3.003	1.50	0.00	0.00	25.167
260.00	0.00	3.003	1.50	0.00	0.00	25.167
261.00	0.00	3.003	1.50	0.00	0.00	25.167
262.00	0.00	3.003	1.50	0.00	0.00	25.167
263.00	0.00	3.003	1.50	0.00	0.00	25.167
264.00	0.00	3.003	1.50	0.00	0.00	25.167

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 35

Hydrograph for Pond 13P: Existing Wetlands (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Outflow-Volume (acre-feet)
265.00	0.00	3.003	1.50	0.00	0.00	25.167
266.00	0.00	3.003	1.50	0.00	0.00	25.167
267.00	0.00	3.003	1.50	0.00	0.00	25.167
268.00	0.00	3.003	1.50	0.00	0.00	25.167
269.00	0.00	3.003	1.50	0.00	0.00	25.167
270.00	0.00	3.003	1.50	0.00	0.00	25.167
271.00	0.00	3.003	1.50	0.00	0.00	25.167
272.00	0.00	3.003	1.50	0.00	0.00	25.167
273.00	0.00	3.003	1.50	0.00	0.00	25.167
274.00	0.00	3.003	1.50	0.00	0.00	25.167
275.00	0.00	3.003	1.50	0.00	0.00	25.167
276.00	0.00	3.003	1.50	0.00	0.00	25.167
277.00	0.00	3.003	1.50	0.00	0.00	25.167
278.00	0.00	3.003	1.50	0.00	0.00	25.167
279.00	0.00	3.003	1.50	0.00	0.00	25.167
280.00	0.00	3.003	1.50	0.00	0.00	25.167
281.00	0.00	3.003	1.50	0.00	0.00	25.167
282.00	0.00	3.003	1.50	0.00	0.00	25.167
283.00	0.00	3.003	1.50	0.00	0.00	25.167
284.00	0.00	3.003	1.50	0.00	0.00	25.167
285.00	0.00	3.003	1.50	0.00	0.00	25.167
286.00	0.00	3.003	1.50	0.00	0.00	25.167
287.00	0.00	3.003	1.50	0.00	0.00	25.167
288.00	0.00	3.003	1.50	0.00	0.00	25.167
289.00	0.00	3.003	1.50	0.00	0.00	25.167
290.00	0.00	3.003	1.50	0.00	0.00	25.167
291.00	0.00	3.003	1.50	0.00	0.00	25.167
292.00	0.00	3.003	1.50	0.00	0.00	25.167
293.00	0.00	3.003	1.50	0.00	0.00	25.167
294.00	0.00	3.003	1.50	0.00	0.00	25.167
295.00	0.00	3.003	1.50	0.00	0.00	25.167
296.00	0.00	3.003	1.50	0.00	0.00	25.167
297.00	0.00	3.003	1.50	0.00	0.00	25.167
298.00	0.00	3.003	1.50	0.00	0.00	25.167
299.00	0.00	3.003	1.50	0.00	0.00	25.167
300.00	0.00	3.003	1.50	0.00	0.00	25.167

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 36

Stage-Discharge for Pond 13P: Existing Wetlands

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
0.90	0.00	1.43	0.00	1.96	25.27	2.49	77.73
0.91	0.00	1.44	0.00	1.97	26.10	2.50	78.90
0.92	0.00	1.45	0.00	1.98	26.94	2.51	80.10
0.93	0.00	1.46	0.00	1.99	27.78	2.52	81.31
0.94	0.00	1.47	0.00	2.00	28.64	2.53	82.52
0.95	0.00	1.48	0.00	2.01	29.50	2.54	83.74
0.96	0.00	1.49	0.00	2.02	30.37	2.55	84.97
0.97	0.00	1.50	0.00	2.03	31.25	2.56	86.20
0.98	0.00	1.51	0.08	2.04	32.14	2.57	87.44
0.99	0.00	1.52	0.23	2.05	33.04	2.58	88.69
1.00	0.00	1.53	0.42	2.06	33.94	2.59	89.94
1.01	0.00	1.54	0.64	2.07	34.86	2.60	91.20
1.02	0.00	1.55	0.90	2.08	35.78	2.61	92.46
1.03	0.00	1.56	1.18	2.09	36.71	2.62	93.73
1.04	0.00	1.57	1.49	2.10	37.65	2.63	95.01
1.05	0.00	1.58	1.82	2.11	38.55	2.64	96.29
1.06	0.00	1.59	2.17	2.12	39.46	2.65	97.58
1.07	0.00	1.60	2.54	2.13	40.37	2.66	98.87
1.08	0.00	1.61	2.93	2.14	41.29	2.67	100.17
1.09	0.00	1.62	3.34	2.15	42.21	2.68	101.48
1.10	0.00	1.63	3.77	2.16	43.14	2.69	102.79
1.11	0.00	1.64	4.21	2.17	44.08	2.70	104.11
1.12	0.00	1.65	4.67	2.18	45.02	2.71	105.42
1.13	0.00	1.66	5.15	2.19	45.96	2.72	106.72
1.14	0.00	1.67	5.64	2.20	46.91	2.73	108.04
1.15	0.00	1.68	6.14	2.21	47.87	2.74	109.36
1.16	0.00	1.69	6.66	2.22	48.83	2.75	110.69
1.17	0.00	1.70	7.19	2.23	49.79	2.76	112.02
1.18	0.00	1.71	7.74	2.24	50.76	2.77	113.35
1.19	0.00	1.72	8.30	2.25	51.73	2.78	114.69
1.20	0.00	1.73	8.88	2.26	52.71	2.79	116.04
1.21	0.00	1.74	9.47	2.27	53.70	2.80	117.39
1.22	0.00	1.75	10.07	2.28	54.68	2.81	118.75
1.23	0.00	1.76	10.68	2.29	55.67	2.82	120.11
1.24	0.00	1.77	11.31	2.30	56.67	2.83	121.48
1.25	0.00	1.78	11.95	2.31	57.73	2.84	122.85
1.26	0.00	1.79	12.60	2.32	58.79	2.85	124.23
1.27	0.00	1.80	13.26	2.33	59.85	2.86	125.61
1.28	0.00	1.81	13.93	2.34	60.93	2.87	127.00
1.29	0.00	1.82	14.62	2.35	62.01	2.88	128.39
1.30	0.00	1.83	15.32	2.36	63.09	2.89	129.79
1.31	0.00	1.84	16.02	2.37	64.18	2.90	131.19
1.32	0.00	1.85	16.74	2.38	65.28	2.91	132.58
1.33	0.00	1.86	17.47	2.39	66.38	2.92	133.97
1.34	0.00	1.87	18.21	2.40	67.49	2.93	135.36
1.35	0.00	1.88	18.96	2.41	68.61	2.94	136.75
1.36	0.00	1.89	19.72	2.42	69.73	2.95	138.15
1.37	0.00	1.90	20.49	2.43	70.86	2.96	139.56
1.38	0.00	1.91	21.26	2.44	71.99	2.97	140.97
1.39	0.00	1.92	22.05	2.45	73.13	2.98	142.38
1.40	0.00	1.93	22.84	2.46	74.27	2.99	143.80
1.41	0.00	1.94	23.64	2.47	75.42	3.00	145.22
1.42	0.00	1.95	24.45	2.48	76.57		

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 37

Stage-Area-Storage for Pond 13P: Existing Wetlands

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
0.90	0.000	1.43	2.653	1.96	4.374
0.91	0.050	1.44	2.703	1.97	4.404
0.92	0.100	1.45	2.753	1.98	4.433
0.93	0.150	1.46	2.803	1.99	4.463
0.94	0.200	1.47	2.853	2.00	4.493
0.95	0.250	1.48	2.903	2.01	4.523
0.96	0.300	1.49	2.953	2.02	4.553
0.97	0.350	1.50	3.003	2.03	4.582
0.98	0.400	1.51	3.033	2.04	4.612
0.99	0.450	1.52	3.063	2.05	4.642
1.00	0.500	1.53	3.092	2.06	4.672
1.01	0.551	1.54	3.122	2.07	4.702
1.02	0.601	1.55	3.152	2.08	4.731
1.03	0.651	1.56	3.182	2.09	4.761
1.04	0.701	1.57	3.212	2.10	4.791
1.05	0.751	1.58	3.241	2.11	4.821
1.06	0.801	1.59	3.271	2.12	4.851
1.07	0.851	1.60	3.301	2.13	4.880
1.08	0.901	1.61	3.331	2.14	4.910
1.09	0.951	1.62	3.361	2.15	4.940
1.10	1.001	1.63	3.390	2.16	4.970
1.11	1.051	1.64	3.420	2.17	5.000
1.12	1.101	1.65	3.450	2.18	5.029
1.13	1.151	1.66	3.480	2.19	5.059
1.14	1.201	1.67	3.510	2.20	5.089
1.15	1.251	1.68	3.539	2.21	5.119
1.16	1.301	1.69	3.569	2.22	5.149
1.17	1.351	1.70	3.599	2.23	5.178
1.18	1.401	1.71	3.629	2.24	5.208
1.19	1.451	1.72	3.659	2.25	5.238
1.20	1.501	1.73	3.688	2.26	5.268
1.21	1.552	1.74	3.718	2.27	5.298
1.22	1.602	1.75	3.748	2.28	5.327
1.23	1.652	1.76	3.778	2.29	5.357
1.24	1.702	1.77	3.808	2.30	5.387
1.25	1.752	1.78	3.837	2.31	5.417
1.26	1.802	1.79	3.867	2.32	5.447
1.27	1.852	1.80	3.897	2.33	5.476
1.28	1.902	1.81	3.927	2.34	5.506
1.29	1.952	1.82	3.957	2.35	5.536
1.30	2.002	1.83	3.986	2.36	5.566
1.31	2.052	1.84	4.016	2.37	5.596
1.32	2.102	1.85	4.046	2.38	5.625
1.33	2.152	1.86	4.076	2.39	5.655
1.34	2.202	1.87	4.106	2.40	5.685
1.35	2.252	1.88	4.135	2.41	5.715
1.36	2.302	1.89	4.165	2.42	5.745
1.37	2.352	1.90	4.195	2.43	5.774
1.38	2.402	1.91	4.225	2.44	5.804
1.39	2.452	1.92	4.255	2.45	5.834
1.40	2.503	1.93	4.284	2.46	5.864
1.41	2.553	1.94	4.314	2.47	5.894
1.42	2.603	1.95	4.344	2.48	5.923

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 38

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

Elevation (feet)	Storage (acre-feet)
2.49	5.953
2.50	5.983
2.51	6.013
2.52	6.043
2.53	6.072
2.54	6.102
2.55	6.132
2.56	6.162
2.57	6.192
2.58	6.221
2.59	6.251
2.60	6.281
2.61	6.311
2.62	6.341
2.63	6.370
2.64	6.400
2.65	6.430
2.66	6.460
2.67	6.490
2.68	6.519
2.69	6.549
2.70	6.579
2.71	6.609
2.72	6.639
2.73	6.668
2.74	6.698
2.75	6.728
2.76	6.758
2.77	6.788
2.78	6.817
2.79	6.847
2.80	6.877
2.81	6.907
2.82	6.937
2.83	6.966
2.84	6.996
2.85	7.026
2.86	7.056
2.87	7.086
2.88	7.115
2.89	7.145
2.90	7.175
2.91	7.205
2.92	7.235
2.93	7.264
2.94	7.294
2.95	7.324
2.96	7.354
2.97	7.384
2.98	7.413
2.99	7.443
3.00	7.473

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

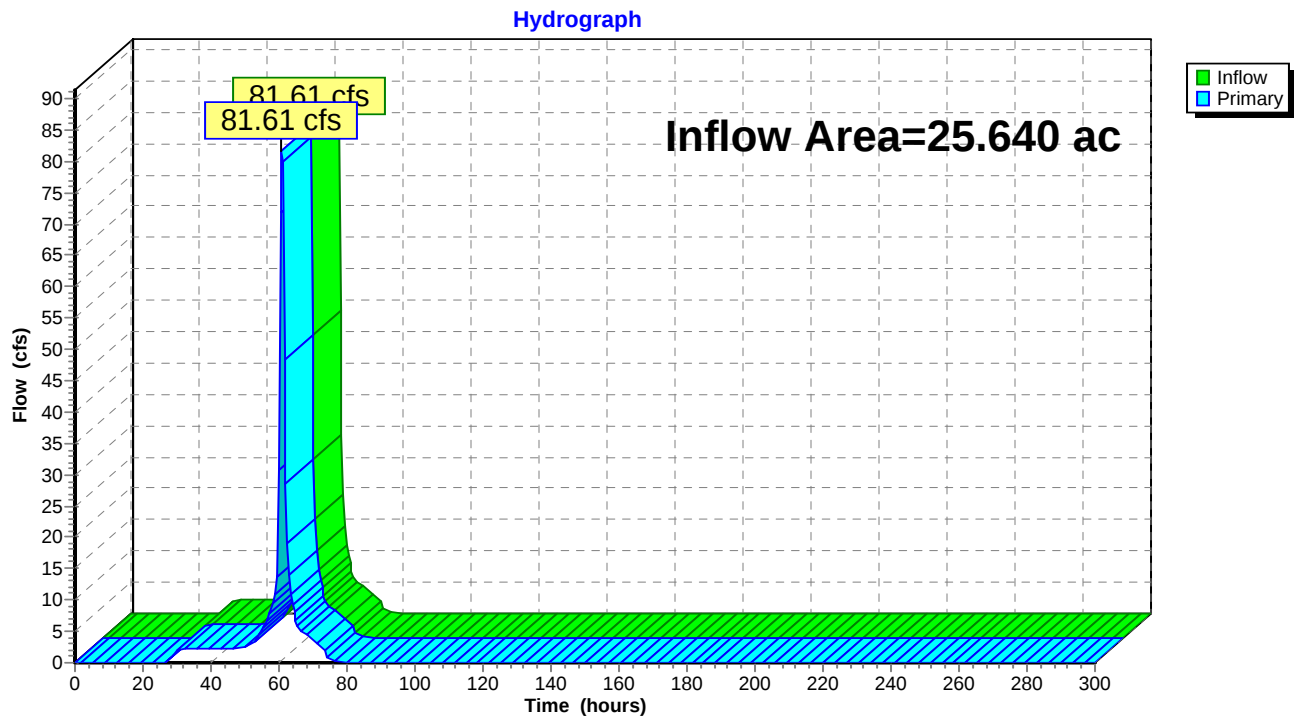
Page 39

Summary for Link 14L: Plant Cooling Water Discharge Canal

Inflow Area = 25.640 ac, 97.82% Impervious, Inflow Depth = 11.78" for 25YR-72HR event
Inflow = 81.61 cfs @ 60.85 hrs, Volume= 25.167 af
Primary = 81.61 cfs @ 60.85 hrs, Volume= 25.167 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-300.00 hrs, dt= 0.50 hrs

Link 14L: Plant Cooling Water Discharge Canal



Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 40

Hydrograph for Link 14L: 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	26.50	0.00	0.00	0.00
0.50	0.00	0.00	0.00	27.00	0.00	0.00	0.00
1.00	0.00	0.00	0.00	27.50	0.00	0.00	0.00
1.50	0.00	0.00	0.00	28.00	0.23	0.00	0.23
2.00	0.00	0.00	0.00	28.50	0.75	0.00	0.75
2.50	0.00	0.00	0.00	29.00	1.24	0.00	1.24
3.00	0.00	0.00	0.00	29.50	1.63	0.00	1.63
3.50	0.00	0.00	0.00	30.00	1.90	0.00	1.90
4.00	0.00	0.00	0.00	30.50	2.12	0.00	2.12
4.50	0.00	0.00	0.00	31.00	2.26	0.00	2.26
5.00	0.00	0.00	0.00	31.50	2.29	0.00	2.29
5.50	0.00	0.00	0.00	32.00	2.28	0.00	2.28
6.00	0.00	0.00	0.00	32.50	2.26	0.00	2.26
6.50	0.00	0.00	0.00	33.00	2.25	0.00	2.25
7.00	0.00	0.00	0.00	33.50	2.25	0.00	2.25
7.50	0.00	0.00	0.00	34.00	2.24	0.00	2.24
8.00	0.00	0.00	0.00	34.50	2.24	0.00	2.24
8.50	0.00	0.00	0.00	35.00	2.24	0.00	2.24
9.00	0.00	0.00	0.00	35.50	2.24	0.00	2.24
9.50	0.00	0.00	0.00	36.00	2.24	0.00	2.24
10.00	0.00	0.00	0.00	36.50	2.24	0.00	2.24
10.50	0.00	0.00	0.00	37.00	2.24	0.00	2.24
11.00	0.00	0.00	0.00	37.50	2.24	0.00	2.24
11.50	0.00	0.00	0.00	38.00	2.24	0.00	2.24
12.00	0.00	0.00	0.00	38.50	2.24	0.00	2.24
12.50	0.00	0.00	0.00	39.00	2.24	0.00	2.24
13.00	0.00	0.00	0.00	39.50	2.25	0.00	2.25
13.50	0.00	0.00	0.00	40.00	2.25	0.00	2.25
14.00	0.00	0.00	0.00	40.50	2.25	0.00	2.25
14.50	0.00	0.00	0.00	41.00	2.25	0.00	2.25
15.00	0.00	0.00	0.00	41.50	2.25	0.00	2.25
15.50	0.00	0.00	0.00	42.00	2.25	0.00	2.25
16.00	0.00	0.00	0.00	42.50	2.25	0.00	2.25
16.50	0.00	0.00	0.00	43.00	2.25	0.00	2.25
17.00	0.00	0.00	0.00	43.50	2.25	0.00	2.25
17.50	0.00	0.00	0.00	44.00	2.25	0.00	2.25
18.00	0.00	0.00	0.00	44.50	2.25	0.00	2.25
18.50	0.00	0.00	0.00	45.00	2.25	0.00	2.25
19.00	0.00	0.00	0.00	45.50	2.25	0.00	2.25
19.50	0.00	0.00	0.00	46.00	2.25	0.00	2.25
20.00	0.00	0.00	0.00	46.50	2.25	0.00	2.25
20.50	0.00	0.00	0.00	47.00	2.25	0.00	2.25
21.00	0.00	0.00	0.00	47.50	2.25	0.00	2.25
21.50	0.00	0.00	0.00	48.00	2.26	0.00	2.26
22.00	0.00	0.00	0.00	48.50	2.31	0.00	2.31
22.50	0.00	0.00	0.00	49.00	2.41	0.00	2.41
23.00	0.00	0.00	0.00	49.50	2.48	0.00	2.48
23.50	0.00	0.00	0.00	50.00	2.52	0.00	2.52
24.00	0.00	0.00	0.00	50.50	2.58	0.00	2.58
24.50	0.00	0.00	0.00	51.00	2.69	0.00	2.69
25.00	0.00	0.00	0.00	51.50	2.84	0.00	2.84
25.50	0.00	0.00	0.00	52.00	2.99	0.00	2.99
26.00	0.00	0.00	0.00	52.50	3.18	0.00	3.18

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 41

Hydrograph for Link 14L: Plant Cooling Water Discharge Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
53.00	3.47	0.00	3.47	79.50	0.07	0.00	0.07
53.50	3.88	0.00	3.88	80.00	0.06	0.00	0.06
54.00	4.32	0.00	4.32	80.50	0.05	0.00	0.05
54.50	4.79	0.00	4.79	81.00	0.05	0.00	0.05
55.00	5.29	0.00	5.29	81.50	0.04	0.00	0.04
55.50	5.83	0.00	5.83	82.00	0.04	0.00	0.04
56.00	6.38	0.00	6.38	82.50	0.03	0.00	0.03
56.50	6.94	0.00	6.94	83.00	0.03	0.00	0.03
57.00	7.59	0.00	7.59	83.50	0.02	0.00	0.02
57.50	8.34	0.00	8.34	84.00	0.02	0.00	0.02
58.00	9.10	0.00	9.10	84.50	0.02	0.00	0.02
58.50	9.89	0.00	9.89	85.00	0.02	0.00	0.02
59.00	11.03	0.00	11.03	85.50	0.02	0.00	0.02
59.50	13.69	0.00	13.69	86.00	0.01	0.00	0.01
60.00	30.74	0.00	30.74	86.50	0.01	0.00	0.01
60.50	71.83	0.00	71.83	87.00	0.01	0.00	0.01
61.00	79.86	0.00	79.86	87.50	0.01	0.00	0.01
61.50	48.29	0.00	48.29	88.00	0.01	0.00	0.01
62.00	28.61	0.00	28.61	88.50	0.01	0.00	0.01
62.50	18.92	0.00	18.92	89.00	0.01	0.00	0.01
63.00	13.90	0.00	13.90	89.50	0.01	0.00	0.01
63.50	11.03	0.00	11.03	90.00	0.01	0.00	0.01
64.00	9.30	0.00	9.30	90.50	0.01	0.00	0.01
64.50	8.01	0.00	8.01	91.00	0.01	0.00	0.01
65.00	6.79	0.00	6.79	91.50	0.01	0.00	0.01
65.50	5.82	0.00	5.82	92.00	0.01	0.00	0.01
66.00	5.24	0.00	5.24	92.50	0.01	0.00	0.01
66.50	4.94	0.00	4.94	93.00	0.00	0.00	0.00
67.00	4.79	0.00	4.79	93.50	0.00	0.00	0.00
67.50	4.74	0.00	4.74	94.00	0.00	0.00	0.00
68.00	4.73	0.00	4.73	94.50	0.00	0.00	0.00
68.50	4.58	0.00	4.58	95.00	0.00	0.00	0.00
69.00	4.19	0.00	4.19	95.50	0.00	0.00	0.00
69.50	3.76	0.00	3.76	96.00	0.00	0.00	0.00
70.00	3.47	0.00	3.47	96.50	0.00	0.00	0.00
70.50	3.29	0.00	3.29	97.00	0.00	0.00	0.00
71.00	3.19	0.00	3.19	97.50	0.00	0.00	0.00
71.50	3.14	0.00	3.14	98.00	0.00	0.00	0.00
72.00	3.11	0.00	3.11	98.50	0.00	0.00	0.00
72.50	2.93	0.00	2.93	99.00	0.00	0.00	0.00
73.00	2.36	0.00	2.36	99.50	0.00	0.00	0.00
73.50	1.63	0.00	1.63	100.00	0.00	0.00	0.00
74.00	1.09	0.00	1.09	100.50	0.00	0.00	0.00
74.50	0.76	0.00	0.76	101.00	0.00	0.00	0.00
75.00	0.54	0.00	0.54	101.50	0.00	0.00	0.00
75.50	0.40	0.00	0.40	102.00	0.00	0.00	0.00
76.00	0.30	0.00	0.30	102.50	0.00	0.00	0.00
76.50	0.24	0.00	0.24	103.00	0.00	0.00	0.00
77.00	0.19	0.00	0.19	103.50	0.00	0.00	0.00
77.50	0.15	0.00	0.15	104.00	0.00	0.00	0.00
78.00	0.12	0.00	0.12	104.50	0.00	0.00	0.00
78.50	0.10	0.00	0.10	105.00	0.00	0.00	0.00
79.00	0.09	0.00	0.09	105.50	0.00	0.00	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 42

Hydrograph for Link 14L: Plant Cooling Water Discharge Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
106.00	0.00	0.00	0.00	132.50	0.00	0.00	0.00
106.50	0.00	0.00	0.00	133.00	0.00	0.00	0.00
107.00	0.00	0.00	0.00	133.50	0.00	0.00	0.00
107.50	0.00	0.00	0.00	134.00	0.00	0.00	0.00
108.00	0.00	0.00	0.00	134.50	0.00	0.00	0.00
108.50	0.00	0.00	0.00	135.00	0.00	0.00	0.00
109.00	0.00	0.00	0.00	135.50	0.00	0.00	0.00
109.50	0.00	0.00	0.00	136.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	136.50	0.00	0.00	0.00
110.50	0.00	0.00	0.00	137.00	0.00	0.00	0.00
111.00	0.00	0.00	0.00	137.50	0.00	0.00	0.00
111.50	0.00	0.00	0.00	138.00	0.00	0.00	0.00
112.00	0.00	0.00	0.00	138.50	0.00	0.00	0.00
112.50	0.00	0.00	0.00	139.00	0.00	0.00	0.00
113.00	0.00	0.00	0.00	139.50	0.00	0.00	0.00
113.50	0.00	0.00	0.00	140.00	0.00	0.00	0.00
114.00	0.00	0.00	0.00	140.50	0.00	0.00	0.00
114.50	0.00	0.00	0.00	141.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	141.50	0.00	0.00	0.00
115.50	0.00	0.00	0.00	142.00	0.00	0.00	0.00
116.00	0.00	0.00	0.00	142.50	0.00	0.00	0.00
116.50	0.00	0.00	0.00	143.00	0.00	0.00	0.00
117.00	0.00	0.00	0.00	143.50	0.00	0.00	0.00
117.50	0.00	0.00	0.00	144.00	0.00	0.00	0.00
118.00	0.00	0.00	0.00	144.50	0.00	0.00	0.00
118.50	0.00	0.00	0.00	145.00	0.00	0.00	0.00
119.00	0.00	0.00	0.00	145.50	0.00	0.00	0.00
119.50	0.00	0.00	0.00	146.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	146.50	0.00	0.00	0.00
120.50	0.00	0.00	0.00	147.00	0.00	0.00	0.00
121.00	0.00	0.00	0.00	147.50	0.00	0.00	0.00
121.50	0.00	0.00	0.00	148.00	0.00	0.00	0.00
122.00	0.00	0.00	0.00	148.50	0.00	0.00	0.00
122.50	0.00	0.00	0.00	149.00	0.00	0.00	0.00
123.00	0.00	0.00	0.00	149.50	0.00	0.00	0.00
123.50	0.00	0.00	0.00	150.00	0.00	0.00	0.00
124.00	0.00	0.00	0.00	150.50	0.00	0.00	0.00
124.50	0.00	0.00	0.00	151.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	151.50	0.00	0.00	0.00
125.50	0.00	0.00	0.00	152.00	0.00	0.00	0.00
126.00	0.00	0.00	0.00	152.50	0.00	0.00	0.00
126.50	0.00	0.00	0.00	153.00	0.00	0.00	0.00
127.00	0.00	0.00	0.00	153.50	0.00	0.00	0.00
127.50	0.00	0.00	0.00	154.00	0.00	0.00	0.00
128.00	0.00	0.00	0.00	154.50	0.00	0.00	0.00
128.50	0.00	0.00	0.00	155.00	0.00	0.00	0.00
129.00	0.00	0.00	0.00	155.50	0.00	0.00	0.00
129.50	0.00	0.00	0.00	156.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	156.50	0.00	0.00	0.00
130.50	0.00	0.00	0.00	157.00	0.00	0.00	0.00
131.00	0.00	0.00	0.00	157.50	0.00	0.00	0.00
131.50	0.00	0.00	0.00	158.00	0.00	0.00	0.00
132.00	0.00	0.00	0.00	158.50	0.00	0.00	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 43

Hydrograph for Link 14L: Plant Cooling Water Discharge Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
159.00	0.00	0.00	0.00	185.50	0.00	0.00	0.00
159.50	0.00	0.00	0.00	186.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	186.50	0.00	0.00	0.00
160.50	0.00	0.00	0.00	187.00	0.00	0.00	0.00
161.00	0.00	0.00	0.00	187.50	0.00	0.00	0.00
161.50	0.00	0.00	0.00	188.00	0.00	0.00	0.00
162.00	0.00	0.00	0.00	188.50	0.00	0.00	0.00
162.50	0.00	0.00	0.00	189.00	0.00	0.00	0.00
163.00	0.00	0.00	0.00	189.50	0.00	0.00	0.00
163.50	0.00	0.00	0.00	190.00	0.00	0.00	0.00
164.00	0.00	0.00	0.00	190.50	0.00	0.00	0.00
164.50	0.00	0.00	0.00	191.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	191.50	0.00	0.00	0.00
165.50	0.00	0.00	0.00	192.00	0.00	0.00	0.00
166.00	0.00	0.00	0.00	192.50	0.00	0.00	0.00
166.50	0.00	0.00	0.00	193.00	0.00	0.00	0.00
167.00	0.00	0.00	0.00	193.50	0.00	0.00	0.00
167.50	0.00	0.00	0.00	194.00	0.00	0.00	0.00
168.00	0.00	0.00	0.00	194.50	0.00	0.00	0.00
168.50	0.00	0.00	0.00	195.00	0.00	0.00	0.00
169.00	0.00	0.00	0.00	195.50	0.00	0.00	0.00
169.50	0.00	0.00	0.00	196.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	196.50	0.00	0.00	0.00
170.50	0.00	0.00	0.00	197.00	0.00	0.00	0.00
171.00	0.00	0.00	0.00	197.50	0.00	0.00	0.00
171.50	0.00	0.00	0.00	198.00	0.00	0.00	0.00
172.00	0.00	0.00	0.00	198.50	0.00	0.00	0.00
172.50	0.00	0.00	0.00	199.00	0.00	0.00	0.00
173.00	0.00	0.00	0.00	199.50	0.00	0.00	0.00
173.50	0.00	0.00	0.00	200.00	0.00	0.00	0.00
174.00	0.00	0.00	0.00	200.50	0.00	0.00	0.00
174.50	0.00	0.00	0.00	201.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	201.50	0.00	0.00	0.00
175.50	0.00	0.00	0.00	202.00	0.00	0.00	0.00
176.00	0.00	0.00	0.00	202.50	0.00	0.00	0.00
176.50	0.00	0.00	0.00	203.00	0.00	0.00	0.00
177.00	0.00	0.00	0.00	203.50	0.00	0.00	0.00
177.50	0.00	0.00	0.00	204.00	0.00	0.00	0.00
178.00	0.00	0.00	0.00	204.50	0.00	0.00	0.00
178.50	0.00	0.00	0.00	205.00	0.00	0.00	0.00
179.00	0.00	0.00	0.00	205.50	0.00	0.00	0.00
179.50	0.00	0.00	0.00	206.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	206.50	0.00	0.00	0.00
180.50	0.00	0.00	0.00	207.00	0.00	0.00	0.00
181.00	0.00	0.00	0.00	207.50	0.00	0.00	0.00
181.50	0.00	0.00	0.00	208.00	0.00	0.00	0.00
182.00	0.00	0.00	0.00	208.50	0.00	0.00	0.00
182.50	0.00	0.00	0.00	209.00	0.00	0.00	0.00
183.00	0.00	0.00	0.00	209.50	0.00	0.00	0.00
183.50	0.00	0.00	0.00	210.00	0.00	0.00	0.00
184.00	0.00	0.00	0.00	210.50	0.00	0.00	0.00
184.50	0.00	0.00	0.00	211.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	211.50	0.00	0.00	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 44

Hydrograph for Link 14L: Plant Cooling Water Discharge Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
212.00	0.00	0.00	0.00	238.50	0.00	0.00	0.00
212.50	0.00	0.00	0.00	239.00	0.00	0.00	0.00
213.00	0.00	0.00	0.00	239.50	0.00	0.00	0.00
213.50	0.00	0.00	0.00	240.00	0.00	0.00	0.00
214.00	0.00	0.00	0.00	240.50	0.00	0.00	0.00
214.50	0.00	0.00	0.00	241.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	241.50	0.00	0.00	0.00
215.50	0.00	0.00	0.00	242.00	0.00	0.00	0.00
216.00	0.00	0.00	0.00	242.50	0.00	0.00	0.00
216.50	0.00	0.00	0.00	243.00	0.00	0.00	0.00
217.00	0.00	0.00	0.00	243.50	0.00	0.00	0.00
217.50	0.00	0.00	0.00	244.00	0.00	0.00	0.00
218.00	0.00	0.00	0.00	244.50	0.00	0.00	0.00
218.50	0.00	0.00	0.00	245.00	0.00	0.00	0.00
219.00	0.00	0.00	0.00	245.50	0.00	0.00	0.00
219.50	0.00	0.00	0.00	246.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	246.50	0.00	0.00	0.00
220.50	0.00	0.00	0.00	247.00	0.00	0.00	0.00
221.00	0.00	0.00	0.00	247.50	0.00	0.00	0.00
221.50	0.00	0.00	0.00	248.00	0.00	0.00	0.00
222.00	0.00	0.00	0.00	248.50	0.00	0.00	0.00
222.50	0.00	0.00	0.00	249.00	0.00	0.00	0.00
223.00	0.00	0.00	0.00	249.50	0.00	0.00	0.00
223.50	0.00	0.00	0.00	250.00	0.00	0.00	0.00
224.00	0.00	0.00	0.00	250.50	0.00	0.00	0.00
224.50	0.00	0.00	0.00	251.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	251.50	0.00	0.00	0.00
225.50	0.00	0.00	0.00	252.00	0.00	0.00	0.00
226.00	0.00	0.00	0.00	252.50	0.00	0.00	0.00
226.50	0.00	0.00	0.00	253.00	0.00	0.00	0.00
227.00	0.00	0.00	0.00	253.50	0.00	0.00	0.00
227.50	0.00	0.00	0.00	254.00	0.00	0.00	0.00
228.00	0.00	0.00	0.00	254.50	0.00	0.00	0.00
228.50	0.00	0.00	0.00	255.00	0.00	0.00	0.00
229.00	0.00	0.00	0.00	255.50	0.00	0.00	0.00
229.50	0.00	0.00	0.00	256.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	256.50	0.00	0.00	0.00
230.50	0.00	0.00	0.00	257.00	0.00	0.00	0.00
231.00	0.00	0.00	0.00	257.50	0.00	0.00	0.00
231.50	0.00	0.00	0.00	258.00	0.00	0.00	0.00
232.00	0.00	0.00	0.00	258.50	0.00	0.00	0.00
232.50	0.00	0.00	0.00	259.00	0.00	0.00	0.00
233.00	0.00	0.00	0.00	259.50	0.00	0.00	0.00
233.50	0.00	0.00	0.00	260.00	0.00	0.00	0.00
234.00	0.00	0.00	0.00	260.50	0.00	0.00	0.00
234.50	0.00	0.00	0.00	261.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	261.50	0.00	0.00	0.00
235.50	0.00	0.00	0.00	262.00	0.00	0.00	0.00
236.00	0.00	0.00	0.00	262.50	0.00	0.00	0.00
236.50	0.00	0.00	0.00	263.00	0.00	0.00	0.00
237.00	0.00	0.00	0.00	263.50	0.00	0.00	0.00
237.50	0.00	0.00	0.00	264.00	0.00	0.00	0.00
238.00	0.00	0.00	0.00	264.50	0.00	0.00	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 45

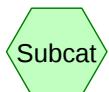
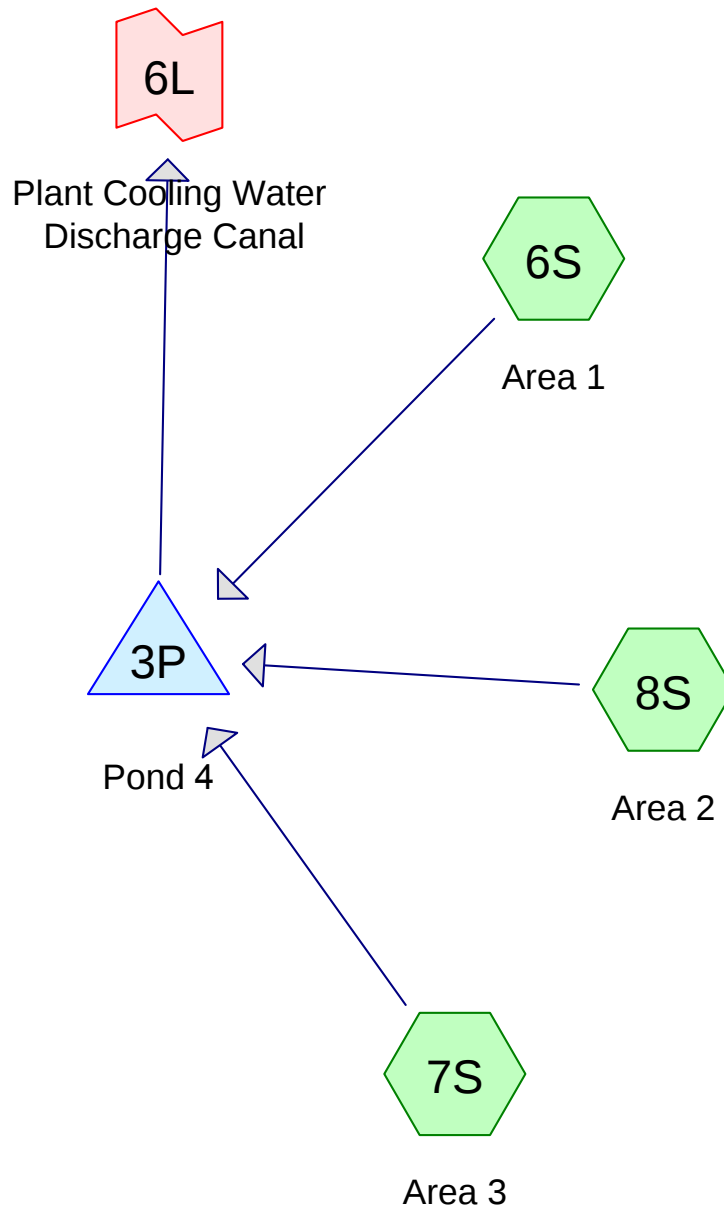
Hydrograph for Link 14L: Plant Cooling Water Discharge Canal (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
265.00	0.00	0.00	0.00	291.50	0.00	0.00	0.00
265.50	0.00	0.00	0.00	292.00	0.00	0.00	0.00
266.00	0.00	0.00	0.00	292.50	0.00	0.00	0.00
266.50	0.00	0.00	0.00	293.00	0.00	0.00	0.00
267.00	0.00	0.00	0.00	293.50	0.00	0.00	0.00
267.50	0.00	0.00	0.00	294.00	0.00	0.00	0.00
268.00	0.00	0.00	0.00	294.50	0.00	0.00	0.00
268.50	0.00	0.00	0.00	295.00	0.00	0.00	0.00
269.00	0.00	0.00	0.00	295.50	0.00	0.00	0.00
269.50	0.00	0.00	0.00	296.00	0.00	0.00	0.00
270.00	0.00	0.00	0.00	296.50	0.00	0.00	0.00
270.50	0.00	0.00	0.00	297.00	0.00	0.00	0.00
271.00	0.00	0.00	0.00	297.50	0.00	0.00	0.00
271.50	0.00	0.00	0.00	298.00	0.00	0.00	0.00
272.00	0.00	0.00	0.00	298.50	0.00	0.00	0.00
272.50	0.00	0.00	0.00	299.00	0.00	0.00	0.00
273.00	0.00	0.00	0.00	299.50	0.00	0.00	0.00
273.50	0.00	0.00	0.00	300.00	0.00	0.00	0.00
274.00	0.00	0.00	0.00				
274.50	0.00	0.00	0.00				
275.00	0.00	0.00	0.00				
275.50	0.00	0.00	0.00				
276.00	0.00	0.00	0.00				
276.50	0.00	0.00	0.00				
277.00	0.00	0.00	0.00				
277.50	0.00	0.00	0.00				
278.00	0.00	0.00	0.00				
278.50	0.00	0.00	0.00				
279.00	0.00	0.00	0.00				
279.50	0.00	0.00	0.00				
280.00	0.00	0.00	0.00				
280.50	0.00	0.00	0.00				
281.00	0.00	0.00	0.00				
281.50	0.00	0.00	0.00				
282.00	0.00	0.00	0.00				
282.50	0.00	0.00	0.00				
283.00	0.00	0.00	0.00				
283.50	0.00	0.00	0.00				
284.00	0.00	0.00	0.00				
284.50	0.00	0.00	0.00				
285.00	0.00	0.00	0.00				
285.50	0.00	0.00	0.00				
286.00	0.00	0.00	0.00				
286.50	0.00	0.00	0.00				
287.00	0.00	0.00	0.00				
287.50	0.00	0.00	0.00				
288.00	0.00	0.00	0.00				
288.50	0.00	0.00	0.00				
289.00	0.00	0.00	0.00				
289.50	0.00	0.00	0.00				
290.00	0.00	0.00	0.00				
290.50	0.00	0.00	0.00				
291.00	0.00	0.00	0.00				

Client: FPL
Project: DBCEC - Unit 7
Project No: 195190
File No: 58.5406.1103
Title: Construction and
Maintenance Use Pond Treatment
Volume Analysis

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

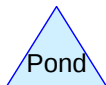
Attachment 6
HydroCAD 25 year- 72 hour Design Storm - Propose Conditions



Subcat



Reach



Pond



Link

Routing Diagram for Construction and Maintenance Use Area
Prepared by Black & Veatch, Printed 6/26/2017
HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Construction and Maintenance Use Area

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 2

Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
19.770	74	>75% Grass cover, Good, HSG C (6S, 7S, 8S)
2.770	98	Gravel Surface (6S, 7S)
3.100	98	Water Surface, HSG C (7S)
25.640	79	TOTAL AREA

Construction and Maintenance Use Area

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 3

Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
22.870	HSG C	6S, 7S, 8S
0.000	HSG D	
2.770	Other	6S, 7S
25.640		TOTAL AREA

Construction and Maintenance Use Area

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 4

Ground Covers (selected 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	19.770	0.000	0.000	19.770	>75% Grass cover, Good	6S, 7S, 8S
0.000	0.000	0.000	0.000	2.770	2.770	Gravel Surface	6S, 7S
0.000	0.000	3.100	0.000	0.000	3.100	Water Surface	7S
0.000	0.000	22.870	0.000	2.770	25.640	TOTAL AREA	

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 5

Time span=0.00-300.00 hrs, dt=0.50 hrs, 601 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

Subcatchment6S: Area 1

Runoff Area=5.290 ac 43.29% Impervious Runoff Depth=11.46"

Flow Length=400' Slope=0.0025 '/' Tc=42.8 min CN=84 Runoff=21.20 cfs 5.051 af

Subcatchment7S: Area 3

Runoff Area=14.180 ac 25.25% Impervious Runoff Depth=10.90"

Flow Length=550' Slope=0.0025 '/' Tc=46.2 min CN=80 Runoff=55.66 cfs 12.886 af

Subcatchment8S: Area 2

Runoff Area=6.170 ac 0.00% Impervious Runoff Depth=10.04"

Flow Length=672' Slope=0.0025 '/' Tc=48.9 min CN=74 Runoff=23.08 cfs 5.163 af

Pond 3P: Pond 4

Peak Elev=3.97' Storage=4.262 af Inflow=99.86 cfs 23.100 af

Outflow=85.95 cfs 23.100 af

Link 6L: Plant Cooling Water Discharge Canal

Inflow=85.95 cfs 23.100 af

Primary=85.95 cfs 23.100 af

Total Runoff Area = 25.640 ac Runoff Volume = 23.100 af Average Runoff Depth = 10.81"
77.11% Pervious = 19.770 ac 22.89% Impervious = 5.870 ac

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 6

Summary for Subcatchment 6S: Area 1

Runoff = 21.20 cfs @ 60.43 hrs, Volume= 5.051 af, Depth=11.46"

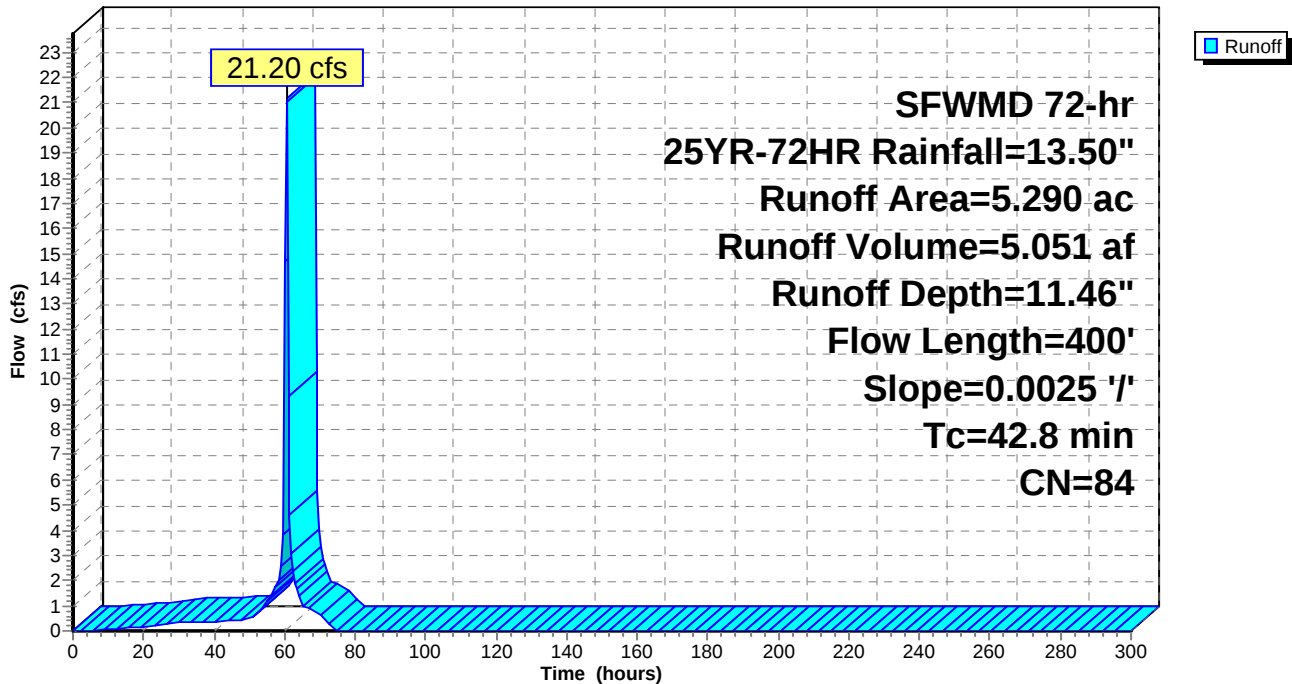
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-300.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
3.000	74	>75% Grass cover, Good, HSG C
* 2.290	98	Gravel Surface
5.290	84	Weighted Average
3.000		56.71% Pervious Area
2.290		43.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
40.6	300	0.0025	0.12		Sheet Flow, Overland Flow Grass: Short n= 0.150 P2= 5.70"
2.2	100	0.0025	0.75		Shallow Concentrated Flow, Overland Flow Grassed Waterway Kv= 15.0 fps
42.8	400	Total			

Subcatchment 6S: Area 1

Hydrograph



Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 7

Hydrograph for Subcatchment 6S: Area 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	26.50	1.65	0.51	0.28
0.50	0.03	0.00	0.00	27.00	1.70	0.54	0.29
1.00	0.06	0.00	0.00	27.50	1.74	0.57	0.30
1.50	0.09	0.00	0.00	28.00	1.78	0.60	0.31
2.00	0.12	0.00	0.00	28.50	1.83	0.63	0.32
2.50	0.15	0.00	0.00	29.00	1.88	0.66	0.33
3.00	0.18	0.00	0.00	29.50	1.92	0.69	0.34
3.50	0.21	0.00	0.00	30.00	1.97	0.72	0.35
4.00	0.24	0.00	0.00	30.50	2.02	0.76	0.38
4.50	0.27	0.00	0.00	31.00	2.06	0.79	0.35
5.00	0.30	0.00	0.00	31.50	2.11	0.82	0.34
5.50	0.33	0.00	0.00	32.00	2.15	0.85	0.34
6.00	0.36	0.00	0.00	32.50	2.20	0.89	0.34
6.50	0.39	0.00	0.00	33.00	2.24	0.92	0.34
7.00	0.43	0.00	0.00	33.50	2.28	0.95	0.35
7.50	0.46	0.00	0.01	34.00	2.33	0.98	0.35
8.00	0.49	0.01	0.02	34.50	2.37	1.02	0.35
8.50	0.52	0.01	0.03	35.00	2.42	1.05	0.36
9.00	0.55	0.01	0.04	35.50	2.46	1.08	0.36
9.50	0.58	0.02	0.05	36.00	2.50	1.12	0.36
10.00	0.61	0.02	0.06	36.50	2.55	1.15	0.36
10.50	0.64	0.03	0.06	37.00	2.59	1.19	0.36
11.00	0.67	0.04	0.07	37.50	2.63	1.22	0.37
11.50	0.70	0.05	0.08	38.00	2.68	1.26	0.37
12.00	0.73	0.05	0.08	38.50	2.72	1.29	0.37
12.50	0.76	0.06	0.09	39.00	2.77	1.33	0.37
13.00	0.79	0.07	0.10	39.50	2.81	1.36	0.38
13.50	0.82	0.08	0.10	40.00	2.85	1.40	0.38
14.00	0.85	0.09	0.11	40.50	2.90	1.43	0.38
14.50	0.88	0.10	0.11	41.00	2.94	1.47	0.38
15.00	0.91	0.12	0.12	41.50	2.99	1.50	0.38
15.50	0.94	0.13	0.12	42.00	3.03	1.54	0.38
16.00	0.97	0.14	0.13	42.50	3.07	1.58	0.39
16.50	1.00	0.15	0.13	43.00	3.12	1.61	0.39
17.00	1.03	0.17	0.14	43.50	3.16	1.65	0.39
17.50	1.06	0.18	0.14	44.00	3.20	1.69	0.39
18.00	1.09	0.19	0.15	44.50	3.25	1.72	0.39
18.50	1.12	0.21	0.15	45.00	3.29	1.76	0.39
19.00	1.15	0.22	0.16	45.50	3.34	1.80	0.39
19.50	1.18	0.24	0.16	46.00	3.38	1.83	0.40
20.00	1.21	0.25	0.16	46.50	3.42	1.87	0.40
20.50	1.25	0.27	0.17	47.00	3.47	1.91	0.40
21.00	1.28	0.29	0.17	47.50	3.51	1.95	0.40
21.50	1.31	0.30	0.17	48.00	3.56	1.98	0.40
22.00	1.34	0.32	0.18	48.50	3.61	2.03	0.46
22.50	1.37	0.34	0.18	49.00	3.66	2.08	0.46
23.00	1.40	0.35	0.18	49.50	3.71	2.12	0.46
23.50	1.43	0.37	0.19	50.00	3.76	2.16	0.47
24.00	1.46	0.39	0.19	50.50	3.82	2.22	0.51
24.50	1.49	0.41	0.18	51.00	3.88	2.27	0.54
25.00	1.53	0.43	0.23	51.50	3.95	2.32	0.57
25.50	1.57	0.46	0.26	52.00	4.01	2.38	0.60
26.00	1.61	0.48	0.27	52.50	4.10	2.46	0.67

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 8

Hydrograph for Subcatchment 6S: Area 1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
53.00	4.19	2.54	0.78	79.50	13.50	11.46	0.00
53.50	4.28	2.62	0.87	80.00	13.50	11.46	0.00
54.00	4.39	2.72	0.95	80.50	13.50	11.46	0.00
54.50	4.51	2.83	1.05	81.00	13.50	11.46	0.00
55.00	4.64	2.94	1.16	81.50	13.50	11.46	0.00
55.50	4.78	3.07	1.26	82.00	13.50	11.46	0.00
56.00	4.93	3.21	1.37	82.50	13.50	11.46	0.00
56.50	5.10	3.36	1.49	83.00	13.50	11.46	0.00
57.00	5.28	3.53	1.66	83.50	13.50	11.46	0.00
57.50	5.47	3.71	1.81	84.00	13.50	11.46	0.00
58.00	5.68	3.90	1.95	84.50	13.50	11.46	0.00
58.50	5.92	4.12	2.14	85.00	13.50	11.46	0.00
59.00	6.24	4.42	2.57	85.50	13.50	11.46	0.00
59.50	6.74	4.89	3.81	86.00	13.50	11.46	0.00
60.00	10.08	8.11	14.71	86.50	13.50	11.46	0.00
60.50	10.81	8.82	21.00	87.00	13.50	11.46	0.00
61.00	11.19	9.19	9.34	87.50	13.50	11.46	0.00
61.50	11.46	9.45	4.63	88.00	13.50	11.46	0.00
62.00	11.69	9.68	3.04	88.50	13.50	11.46	0.00
62.50	11.87	9.86	2.33	89.00	13.50	11.46	0.00
63.00	12.03	10.01	1.90	89.50	13.50	11.46	0.00
63.50	12.18	10.16	1.68	90.00	13.50	11.46	0.00
64.00	12.31	10.29	1.50	90.50	13.50	11.46	0.00
64.50	12.40	10.37	1.23	91.00	13.50	11.46	0.00
65.00	12.49	10.46	0.99	91.50	13.50	11.46	0.00
65.50	12.58	10.55	0.94	92.00	13.50	11.46	0.00
66.00	12.66	10.63	0.94	92.50	13.50	11.46	0.00
66.50	12.75	10.72	0.94	93.00	13.50	11.46	0.00
67.00	12.84	10.81	0.94	93.50	13.50	11.46	0.00
67.50	12.94	10.90	0.97	94.00	13.50	11.46	0.00
68.00	13.02	10.99	0.95	94.50	13.50	11.46	0.00
68.50	13.08	11.05	0.80	95.00	13.50	11.46	0.00
69.00	13.14	11.10	0.66	95.50	13.50	11.46	0.00
69.50	13.20	11.16	0.63	96.00	13.50	11.46	0.00
70.00	13.26	11.22	0.62	96.50	13.50	11.46	0.00
70.50	13.32	11.28	0.62	97.00	13.50	11.46	0.00
71.00	13.38	11.34	0.62	97.50	13.50	11.46	0.00
71.50	13.44	11.40	0.62	98.00	13.50	11.46	0.00
72.00	13.50	11.46	0.62	98.50	13.50	11.46	0.00
72.50	13.50	11.46	0.42	99.00	13.50	11.46	0.00
73.00	13.50	11.46	0.09	99.50	13.50	11.46	0.00
73.50	13.50	11.46	0.02	100.00	13.50	11.46	0.00
74.00	13.50	11.46	0.00	100.50	13.50	11.46	0.00
74.50	13.50	11.46	0.00	101.00	13.50	11.46	0.00
75.00	13.50	11.46	0.00	101.50	13.50	11.46	0.00
75.50	13.50	11.46	0.00	102.00	13.50	11.46	0.00
76.00	13.50	11.46	0.00	102.50	13.50	11.46	0.00
76.50	13.50	11.46	0.00	103.00	13.50	11.46	0.00
77.00	13.50	11.46	0.00	103.50	13.50	11.46	0.00
77.50	13.50	11.46	0.00	104.00	13.50	11.46	0.00
78.00	13.50	11.46	0.00	104.50	13.50	11.46	0.00
78.50	13.50	11.46	0.00	105.00	13.50	11.46	0.00
79.00	13.50	11.46	0.00	105.50	13.50	11.46	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 9

Hydrograph for Subcatchment 6S: Area 1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
106.00	13.50	11.46	0.00	132.50	13.50	11.46	0.00
106.50	13.50	11.46	0.00	133.00	13.50	11.46	0.00
107.00	13.50	11.46	0.00	133.50	13.50	11.46	0.00
107.50	13.50	11.46	0.00	134.00	13.50	11.46	0.00
108.00	13.50	11.46	0.00	134.50	13.50	11.46	0.00
108.50	13.50	11.46	0.00	135.00	13.50	11.46	0.00
109.00	13.50	11.46	0.00	135.50	13.50	11.46	0.00
109.50	13.50	11.46	0.00	136.00	13.50	11.46	0.00
110.00	13.50	11.46	0.00	136.50	13.50	11.46	0.00
110.50	13.50	11.46	0.00	137.00	13.50	11.46	0.00
111.00	13.50	11.46	0.00	137.50	13.50	11.46	0.00
111.50	13.50	11.46	0.00	138.00	13.50	11.46	0.00
112.00	13.50	11.46	0.00	138.50	13.50	11.46	0.00
112.50	13.50	11.46	0.00	139.00	13.50	11.46	0.00
113.00	13.50	11.46	0.00	139.50	13.50	11.46	0.00
113.50	13.50	11.46	0.00	140.00	13.50	11.46	0.00
114.00	13.50	11.46	0.00	140.50	13.50	11.46	0.00
114.50	13.50	11.46	0.00	141.00	13.50	11.46	0.00
115.00	13.50	11.46	0.00	141.50	13.50	11.46	0.00
115.50	13.50	11.46	0.00	142.00	13.50	11.46	0.00
116.00	13.50	11.46	0.00	142.50	13.50	11.46	0.00
116.50	13.50	11.46	0.00	143.00	13.50	11.46	0.00
117.00	13.50	11.46	0.00	143.50	13.50	11.46	0.00
117.50	13.50	11.46	0.00	144.00	13.50	11.46	0.00
118.00	13.50	11.46	0.00	144.50	13.50	11.46	0.00
118.50	13.50	11.46	0.00	145.00	13.50	11.46	0.00
119.00	13.50	11.46	0.00	145.50	13.50	11.46	0.00
119.50	13.50	11.46	0.00	146.00	13.50	11.46	0.00
120.00	13.50	11.46	0.00	146.50	13.50	11.46	0.00
120.50	13.50	11.46	0.00	147.00	13.50	11.46	0.00
121.00	13.50	11.46	0.00	147.50	13.50	11.46	0.00
121.50	13.50	11.46	0.00	148.00	13.50	11.46	0.00
122.00	13.50	11.46	0.00	148.50	13.50	11.46	0.00
122.50	13.50	11.46	0.00	149.00	13.50	11.46	0.00
123.00	13.50	11.46	0.00	149.50	13.50	11.46	0.00
123.50	13.50	11.46	0.00	150.00	13.50	11.46	0.00
124.00	13.50	11.46	0.00	150.50	13.50	11.46	0.00
124.50	13.50	11.46	0.00	151.00	13.50	11.46	0.00
125.00	13.50	11.46	0.00	151.50	13.50	11.46	0.00
125.50	13.50	11.46	0.00	152.00	13.50	11.46	0.00
126.00	13.50	11.46	0.00	152.50	13.50	11.46	0.00
126.50	13.50	11.46	0.00	153.00	13.50	11.46	0.00
127.00	13.50	11.46	0.00	153.50	13.50	11.46	0.00
127.50	13.50	11.46	0.00	154.00	13.50	11.46	0.00
128.00	13.50	11.46	0.00	154.50	13.50	11.46	0.00
128.50	13.50	11.46	0.00	155.00	13.50	11.46	0.00
129.00	13.50	11.46	0.00	155.50	13.50	11.46	0.00
129.50	13.50	11.46	0.00	156.00	13.50	11.46	0.00
130.00	13.50	11.46	0.00	156.50	13.50	11.46	0.00
130.50	13.50	11.46	0.00	157.00	13.50	11.46	0.00
131.00	13.50	11.46	0.00	157.50	13.50	11.46	0.00
131.50	13.50	11.46	0.00	158.00	13.50	11.46	0.00
132.00	13.50	11.46	0.00	158.50	13.50	11.46	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 10

Hydrograph for Subcatchment 6S: Area 1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
159.00	13.50	11.46	0.00	185.50	13.50	11.46	0.00
159.50	13.50	11.46	0.00	186.00	13.50	11.46	0.00
160.00	13.50	11.46	0.00	186.50	13.50	11.46	0.00
160.50	13.50	11.46	0.00	187.00	13.50	11.46	0.00
161.00	13.50	11.46	0.00	187.50	13.50	11.46	0.00
161.50	13.50	11.46	0.00	188.00	13.50	11.46	0.00
162.00	13.50	11.46	0.00	188.50	13.50	11.46	0.00
162.50	13.50	11.46	0.00	189.00	13.50	11.46	0.00
163.00	13.50	11.46	0.00	189.50	13.50	11.46	0.00
163.50	13.50	11.46	0.00	190.00	13.50	11.46	0.00
164.00	13.50	11.46	0.00	190.50	13.50	11.46	0.00
164.50	13.50	11.46	0.00	191.00	13.50	11.46	0.00
165.00	13.50	11.46	0.00	191.50	13.50	11.46	0.00
165.50	13.50	11.46	0.00	192.00	13.50	11.46	0.00
166.00	13.50	11.46	0.00	192.50	13.50	11.46	0.00
166.50	13.50	11.46	0.00	193.00	13.50	11.46	0.00
167.00	13.50	11.46	0.00	193.50	13.50	11.46	0.00
167.50	13.50	11.46	0.00	194.00	13.50	11.46	0.00
168.00	13.50	11.46	0.00	194.50	13.50	11.46	0.00
168.50	13.50	11.46	0.00	195.00	13.50	11.46	0.00
169.00	13.50	11.46	0.00	195.50	13.50	11.46	0.00
169.50	13.50	11.46	0.00	196.00	13.50	11.46	0.00
170.00	13.50	11.46	0.00	196.50	13.50	11.46	0.00
170.50	13.50	11.46	0.00	197.00	13.50	11.46	0.00
171.00	13.50	11.46	0.00	197.50	13.50	11.46	0.00
171.50	13.50	11.46	0.00	198.00	13.50	11.46	0.00
172.00	13.50	11.46	0.00	198.50	13.50	11.46	0.00
172.50	13.50	11.46	0.00	199.00	13.50	11.46	0.00
173.00	13.50	11.46	0.00	199.50	13.50	11.46	0.00
173.50	13.50	11.46	0.00	200.00	13.50	11.46	0.00
174.00	13.50	11.46	0.00	200.50	13.50	11.46	0.00
174.50	13.50	11.46	0.00	201.00	13.50	11.46	0.00
175.00	13.50	11.46	0.00	201.50	13.50	11.46	0.00
175.50	13.50	11.46	0.00	202.00	13.50	11.46	0.00
176.00	13.50	11.46	0.00	202.50	13.50	11.46	0.00
176.50	13.50	11.46	0.00	203.00	13.50	11.46	0.00
177.00	13.50	11.46	0.00	203.50	13.50	11.46	0.00
177.50	13.50	11.46	0.00	204.00	13.50	11.46	0.00
178.00	13.50	11.46	0.00	204.50	13.50	11.46	0.00
178.50	13.50	11.46	0.00	205.00	13.50	11.46	0.00
179.00	13.50	11.46	0.00	205.50	13.50	11.46	0.00
179.50	13.50	11.46	0.00	206.00	13.50	11.46	0.00
180.00	13.50	11.46	0.00	206.50	13.50	11.46	0.00
180.50	13.50	11.46	0.00	207.00	13.50	11.46	0.00
181.00	13.50	11.46	0.00	207.50	13.50	11.46	0.00
181.50	13.50	11.46	0.00	208.00	13.50	11.46	0.00
182.00	13.50	11.46	0.00	208.50	13.50	11.46	0.00
182.50	13.50	11.46	0.00	209.00	13.50	11.46	0.00
183.00	13.50	11.46	0.00	209.50	13.50	11.46	0.00
183.50	13.50	11.46	0.00	210.00	13.50	11.46	0.00
184.00	13.50	11.46	0.00	210.50	13.50	11.46	0.00
184.50	13.50	11.46	0.00	211.00	13.50	11.46	0.00
185.00	13.50	11.46	0.00	211.50	13.50	11.46	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 11

Hydrograph for Subcatchment 6S: Area 1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
212.00	13.50	11.46	0.00	238.50	13.50	11.46	0.00
212.50	13.50	11.46	0.00	239.00	13.50	11.46	0.00
213.00	13.50	11.46	0.00	239.50	13.50	11.46	0.00
213.50	13.50	11.46	0.00	240.00	13.50	11.46	0.00
214.00	13.50	11.46	0.00	240.50	13.50	11.46	0.00
214.50	13.50	11.46	0.00	241.00	13.50	11.46	0.00
215.00	13.50	11.46	0.00	241.50	13.50	11.46	0.00
215.50	13.50	11.46	0.00	242.00	13.50	11.46	0.00
216.00	13.50	11.46	0.00	242.50	13.50	11.46	0.00
216.50	13.50	11.46	0.00	243.00	13.50	11.46	0.00
217.00	13.50	11.46	0.00	243.50	13.50	11.46	0.00
217.50	13.50	11.46	0.00	244.00	13.50	11.46	0.00
218.00	13.50	11.46	0.00	244.50	13.50	11.46	0.00
218.50	13.50	11.46	0.00	245.00	13.50	11.46	0.00
219.00	13.50	11.46	0.00	245.50	13.50	11.46	0.00
219.50	13.50	11.46	0.00	246.00	13.50	11.46	0.00
220.00	13.50	11.46	0.00	246.50	13.50	11.46	0.00
220.50	13.50	11.46	0.00	247.00	13.50	11.46	0.00
221.00	13.50	11.46	0.00	247.50	13.50	11.46	0.00
221.50	13.50	11.46	0.00	248.00	13.50	11.46	0.00
222.00	13.50	11.46	0.00	248.50	13.50	11.46	0.00
222.50	13.50	11.46	0.00	249.00	13.50	11.46	0.00
223.00	13.50	11.46	0.00	249.50	13.50	11.46	0.00
223.50	13.50	11.46	0.00	250.00	13.50	11.46	0.00
224.00	13.50	11.46	0.00	250.50	13.50	11.46	0.00
224.50	13.50	11.46	0.00	251.00	13.50	11.46	0.00
225.00	13.50	11.46	0.00	251.50	13.50	11.46	0.00
225.50	13.50	11.46	0.00	252.00	13.50	11.46	0.00
226.00	13.50	11.46	0.00	252.50	13.50	11.46	0.00
226.50	13.50	11.46	0.00	253.00	13.50	11.46	0.00
227.00	13.50	11.46	0.00	253.50	13.50	11.46	0.00
227.50	13.50	11.46	0.00	254.00	13.50	11.46	0.00
228.00	13.50	11.46	0.00	254.50	13.50	11.46	0.00
228.50	13.50	11.46	0.00	255.00	13.50	11.46	0.00
229.00	13.50	11.46	0.00	255.50	13.50	11.46	0.00
229.50	13.50	11.46	0.00	256.00	13.50	11.46	0.00
230.00	13.50	11.46	0.00	256.50	13.50	11.46	0.00
230.50	13.50	11.46	0.00	257.00	13.50	11.46	0.00
231.00	13.50	11.46	0.00	257.50	13.50	11.46	0.00
231.50	13.50	11.46	0.00	258.00	13.50	11.46	0.00
232.00	13.50	11.46	0.00	258.50	13.50	11.46	0.00
232.50	13.50	11.46	0.00	259.00	13.50	11.46	0.00
233.00	13.50	11.46	0.00	259.50	13.50	11.46	0.00
233.50	13.50	11.46	0.00	260.00	13.50	11.46	0.00
234.00	13.50	11.46	0.00	260.50	13.50	11.46	0.00
234.50	13.50	11.46	0.00	261.00	13.50	11.46	0.00
235.00	13.50	11.46	0.00	261.50	13.50	11.46	0.00
235.50	13.50	11.46	0.00	262.00	13.50	11.46	0.00
236.00	13.50	11.46	0.00	262.50	13.50	11.46	0.00
236.50	13.50	11.46	0.00	263.00	13.50	11.46	0.00
237.00	13.50	11.46	0.00	263.50	13.50	11.46	0.00
237.50	13.50	11.46	0.00	264.00	13.50	11.46	0.00
238.00	13.50	11.46	0.00	264.50	13.50	11.46	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 12

Hydrograph for Subcatchment 6S: Area 1 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
265.00	13.50	11.46	0.00	291.50	13.50	11.46	0.00
265.50	13.50	11.46	0.00	292.00	13.50	11.46	0.00
266.00	13.50	11.46	0.00	292.50	13.50	11.46	0.00
266.50	13.50	11.46	0.00	293.00	13.50	11.46	0.00
267.00	13.50	11.46	0.00	293.50	13.50	11.46	0.00
267.50	13.50	11.46	0.00	294.00	13.50	11.46	0.00
268.00	13.50	11.46	0.00	294.50	13.50	11.46	0.00
268.50	13.50	11.46	0.00	295.00	13.50	11.46	0.00
269.00	13.50	11.46	0.00	295.50	13.50	11.46	0.00
269.50	13.50	11.46	0.00	296.00	13.50	11.46	0.00
270.00	13.50	11.46	0.00	296.50	13.50	11.46	0.00
270.50	13.50	11.46	0.00	297.00	13.50	11.46	0.00
271.00	13.50	11.46	0.00	297.50	13.50	11.46	0.00
271.50	13.50	11.46	0.00	298.00	13.50	11.46	0.00
272.00	13.50	11.46	0.00	298.50	13.50	11.46	0.00
272.50	13.50	11.46	0.00	299.00	13.50	11.46	0.00
273.00	13.50	11.46	0.00	299.50	13.50	11.46	0.00
273.50	13.50	11.46	0.00	300.00	13.50	11.46	0.00
274.00	13.50	11.46	0.00				
274.50	13.50	11.46	0.00				
275.00	13.50	11.46	0.00				
275.50	13.50	11.46	0.00				
276.00	13.50	11.46	0.00				
276.50	13.50	11.46	0.00				
277.00	13.50	11.46	0.00				
277.50	13.50	11.46	0.00				
278.00	13.50	11.46	0.00				
278.50	13.50	11.46	0.00				
279.00	13.50	11.46	0.00				
279.50	13.50	11.46	0.00				
280.00	13.50	11.46	0.00				
280.50	13.50	11.46	0.00				
281.00	13.50	11.46	0.00				
281.50	13.50	11.46	0.00				
282.00	13.50	11.46	0.00				
282.50	13.50	11.46	0.00				
283.00	13.50	11.46	0.00				
283.50	13.50	11.46	0.00				
284.00	13.50	11.46	0.00				
284.50	13.50	11.46	0.00				
285.00	13.50	11.46	0.00				
285.50	13.50	11.46	0.00				
286.00	13.50	11.46	0.00				
286.50	13.50	11.46	0.00				
287.00	13.50	11.46	0.00				
287.50	13.50	11.46	0.00				
288.00	13.50	11.46	0.00				
288.50	13.50	11.46	0.00				
289.00	13.50	11.46	0.00				
289.50	13.50	11.46	0.00				
290.00	13.50	11.46	0.00				
290.50	13.50	11.46	0.00				
291.00	13.50	11.46	0.00				

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 13

Summary for Subcatchment 7S: Area 3

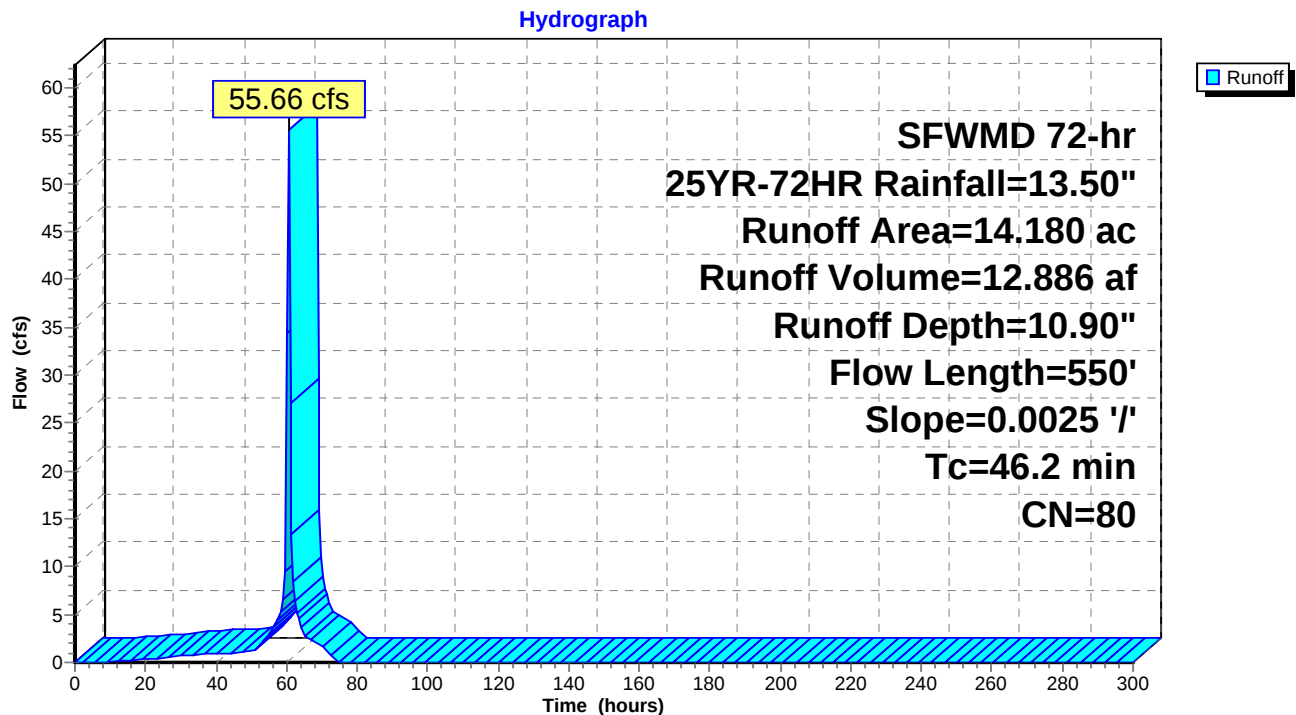
Runoff = 55.66 cfs @ 60.46 hrs, Volume= 12.886 af, Depth=10.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-300.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
10.600	74	>75% Grass cover, Good, HSG C
3.100	98	Water Surface, HSG C
* 0.480	98	Gravel Surface
14.180	80	Weighted Average
10.600		74.75% Pervious Area
3.580		25.25% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
40.6	300	0.0025	0.12		Sheet Flow, Overland Flow Grass: Short n= 0.150 P2= 5.70"
5.6	250	0.0025	0.75		Shallow Concentrated Flow, Overland Flow Grassed Waterway Kv= 15.0 fps
46.2	550	Total			

Subcatchment 7S: Area 3



Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 14

Hydrograph for Subcatchment 7S: Area 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	26.50	1.65	0.36	0.61
0.50	0.03	0.00	0.00	27.00	1.70	0.39	0.64
1.00	0.06	0.00	0.00	27.50	1.74	0.41	0.66
1.50	0.09	0.00	0.00	28.00	1.78	0.44	0.69
2.00	0.12	0.00	0.00	28.50	1.83	0.46	0.71
2.50	0.15	0.00	0.00	29.00	1.88	0.49	0.74
3.00	0.18	0.00	0.00	29.50	1.92	0.52	0.76
3.50	0.21	0.00	0.00	30.00	1.97	0.54	0.79
4.00	0.24	0.00	0.00	30.50	2.02	0.57	0.86
4.50	0.27	0.00	0.00	31.00	2.06	0.60	0.81
5.00	0.30	0.00	0.00	31.50	2.11	0.63	0.79
5.50	0.33	0.00	0.00	32.00	2.15	0.66	0.79
6.00	0.36	0.00	0.00	32.50	2.20	0.69	0.80
6.50	0.39	0.00	0.00	33.00	2.24	0.71	0.81
7.00	0.43	0.00	0.00	33.50	2.28	0.74	0.81
7.50	0.46	0.00	0.00	34.00	2.33	0.77	0.82
8.00	0.49	0.00	0.00	34.50	2.37	0.80	0.83
8.50	0.52	0.00	0.00	35.00	2.42	0.83	0.84
9.00	0.55	0.00	0.01	35.50	2.46	0.86	0.85
9.50	0.58	0.00	0.02	36.00	2.50	0.89	0.86
10.00	0.61	0.00	0.04	36.50	2.55	0.92	0.86
10.50	0.64	0.01	0.06	37.00	2.59	0.95	0.87
11.00	0.67	0.01	0.08	37.50	2.63	0.98	0.88
11.50	0.70	0.01	0.10	38.00	2.68	1.01	0.89
12.00	0.73	0.02	0.12	38.50	2.72	1.05	0.89
12.50	0.76	0.02	0.13	39.00	2.77	1.08	0.90
13.00	0.79	0.03	0.15	39.50	2.81	1.11	0.91
13.50	0.82	0.04	0.16	40.00	2.85	1.14	0.91
14.00	0.85	0.04	0.18	40.50	2.90	1.17	0.92
14.50	0.88	0.05	0.19	41.00	2.94	1.21	0.93
15.00	0.91	0.06	0.21	41.50	2.99	1.24	0.93
15.50	0.94	0.07	0.22	42.00	3.03	1.27	0.94
16.00	0.97	0.07	0.24	42.50	3.07	1.31	0.94
16.50	1.00	0.08	0.25	43.00	3.12	1.34	0.95
17.00	1.03	0.09	0.26	43.50	3.16	1.37	0.95
17.50	1.06	0.10	0.27	44.00	3.20	1.41	0.96
18.00	1.09	0.11	0.28	44.50	3.25	1.44	0.96
18.50	1.12	0.12	0.30	45.00	3.29	1.47	0.97
19.00	1.15	0.14	0.31	45.50	3.34	1.51	0.97
19.50	1.18	0.15	0.32	46.00	3.38	1.54	0.98
20.00	1.21	0.16	0.33	46.50	3.42	1.58	0.98
20.50	1.25	0.17	0.34	47.00	3.47	1.61	0.99
21.00	1.28	0.18	0.35	47.50	3.51	1.65	0.99
21.50	1.31	0.20	0.36	48.00	3.56	1.68	1.00
22.00	1.34	0.21	0.37	48.50	3.61	1.73	1.13
22.50	1.37	0.22	0.38	49.00	3.66	1.77	1.15
23.00	1.40	0.24	0.39	49.50	3.71	1.81	1.15
23.50	1.43	0.25	0.39	50.00	3.76	1.85	1.16
24.00	1.46	0.27	0.40	50.50	3.82	1.90	1.25
24.50	1.49	0.28	0.39	51.00	3.88	1.95	1.35
25.00	1.53	0.30	0.50	51.50	3.95	2.00	1.43
25.50	1.57	0.32	0.56	52.00	4.01	2.05	1.51
26.00	1.61	0.34	0.59	52.50	4.10	2.12	1.66

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 15

Hydrograph for Subcatchment 7S: Area 3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
53.00	4.19	2.20	1.93	79.50	13.50	10.90	0.00
53.50	4.28	2.28	2.17	80.00	13.50	10.90	0.00
54.00	4.39	2.37	2.38	80.50	13.50	10.90	0.00
54.50	4.51	2.47	2.63	81.00	13.50	10.90	0.00
55.00	4.64	2.58	2.91	81.50	13.50	10.90	0.00
55.50	4.78	2.70	3.18	82.00	13.50	10.90	0.00
56.00	4.93	2.83	3.45	82.50	13.50	10.90	0.00
56.50	5.10	2.98	3.76	83.00	13.50	10.90	0.00
57.00	5.28	3.14	4.20	83.50	13.50	10.90	0.00
57.50	5.47	3.31	4.60	84.00	13.50	10.90	0.00
58.00	5.68	3.50	4.98	84.50	13.50	10.90	0.00
58.50	5.92	3.71	5.45	85.00	13.50	10.90	0.00
59.00	6.24	4.00	6.50	85.50	13.50	10.90	0.00
59.50	6.74	4.45	9.47	86.00	13.50	10.90	0.00
60.00	10.08	7.60	34.35	86.50	13.50	10.90	0.00
60.50	10.81	8.30	55.53	87.00	13.50	10.90	0.00
61.00	11.19	8.66	26.99	87.50	13.50	10.90	0.00
61.50	11.46	8.92	13.31	88.00	13.50	10.90	0.00
62.00	11.69	9.15	8.49	88.50	13.50	10.90	0.00
62.50	11.87	9.32	6.38	89.00	13.50	10.90	0.00
63.00	12.03	9.48	5.14	89.50	13.50	10.90	0.00
63.50	12.18	9.62	4.50	90.00	13.50	10.90	0.00
64.00	12.31	9.75	4.02	90.50	13.50	10.90	0.00
64.50	12.40	9.83	3.33	91.00	13.50	10.90	0.00
65.00	12.49	9.92	2.68	91.50	13.50	10.90	0.00
65.50	12.58	10.00	2.51	92.00	13.50	10.90	0.00
66.00	12.66	10.09	2.48	92.50	13.50	10.90	0.00
66.50	12.75	10.18	2.50	93.00	13.50	10.90	0.00
67.00	12.84	10.26	2.49	93.50	13.50	10.90	0.00
67.50	12.94	10.36	2.55	94.00	13.50	10.90	0.00
68.00	13.02	10.44	2.52	94.50	13.50	10.90	0.00
68.50	13.08	10.50	2.17	95.00	13.50	10.90	0.00
69.00	13.14	10.56	1.78	95.50	13.50	10.90	0.00
69.50	13.20	10.61	1.68	96.00	13.50	10.90	0.00
70.00	13.26	10.67	1.66	96.50	13.50	10.90	0.00
70.50	13.32	10.73	1.65	97.00	13.50	10.90	0.00
71.00	13.38	10.79	1.65	97.50	13.50	10.90	0.00
71.50	13.44	10.84	1.65	98.00	13.50	10.90	0.00
72.00	13.50	10.90	1.65	98.50	13.50	10.90	0.00
72.50	13.50	10.90	1.18	99.00	13.50	10.90	0.00
73.00	13.50	10.90	0.32	99.50	13.50	10.90	0.00
73.50	13.50	10.90	0.06	100.00	13.50	10.90	0.00
74.00	13.50	10.90	0.01	100.50	13.50	10.90	0.00
74.50	13.50	10.90	0.00	101.00	13.50	10.90	0.00
75.00	13.50	10.90	0.00	101.50	13.50	10.90	0.00
75.50	13.50	10.90	0.00	102.00	13.50	10.90	0.00
76.00	13.50	10.90	0.00	102.50	13.50	10.90	0.00
76.50	13.50	10.90	0.00	103.00	13.50	10.90	0.00
77.00	13.50	10.90	0.00	103.50	13.50	10.90	0.00
77.50	13.50	10.90	0.00	104.00	13.50	10.90	0.00
78.00	13.50	10.90	0.00	104.50	13.50	10.90	0.00
78.50	13.50	10.90	0.00	105.00	13.50	10.90	0.00
79.00	13.50	10.90	0.00	105.50	13.50	10.90	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 16

Hydrograph for Subcatchment 7S: Area 3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
106.00	13.50	10.90	0.00	132.50	13.50	10.90	0.00
106.50	13.50	10.90	0.00	133.00	13.50	10.90	0.00
107.00	13.50	10.90	0.00	133.50	13.50	10.90	0.00
107.50	13.50	10.90	0.00	134.00	13.50	10.90	0.00
108.00	13.50	10.90	0.00	134.50	13.50	10.90	0.00
108.50	13.50	10.90	0.00	135.00	13.50	10.90	0.00
109.00	13.50	10.90	0.00	135.50	13.50	10.90	0.00
109.50	13.50	10.90	0.00	136.00	13.50	10.90	0.00
110.00	13.50	10.90	0.00	136.50	13.50	10.90	0.00
110.50	13.50	10.90	0.00	137.00	13.50	10.90	0.00
111.00	13.50	10.90	0.00	137.50	13.50	10.90	0.00
111.50	13.50	10.90	0.00	138.00	13.50	10.90	0.00
112.00	13.50	10.90	0.00	138.50	13.50	10.90	0.00
112.50	13.50	10.90	0.00	139.00	13.50	10.90	0.00
113.00	13.50	10.90	0.00	139.50	13.50	10.90	0.00
113.50	13.50	10.90	0.00	140.00	13.50	10.90	0.00
114.00	13.50	10.90	0.00	140.50	13.50	10.90	0.00
114.50	13.50	10.90	0.00	141.00	13.50	10.90	0.00
115.00	13.50	10.90	0.00	141.50	13.50	10.90	0.00
115.50	13.50	10.90	0.00	142.00	13.50	10.90	0.00
116.00	13.50	10.90	0.00	142.50	13.50	10.90	0.00
116.50	13.50	10.90	0.00	143.00	13.50	10.90	0.00
117.00	13.50	10.90	0.00	143.50	13.50	10.90	0.00
117.50	13.50	10.90	0.00	144.00	13.50	10.90	0.00
118.00	13.50	10.90	0.00	144.50	13.50	10.90	0.00
118.50	13.50	10.90	0.00	145.00	13.50	10.90	0.00
119.00	13.50	10.90	0.00	145.50	13.50	10.90	0.00
119.50	13.50	10.90	0.00	146.00	13.50	10.90	0.00
120.00	13.50	10.90	0.00	146.50	13.50	10.90	0.00
120.50	13.50	10.90	0.00	147.00	13.50	10.90	0.00
121.00	13.50	10.90	0.00	147.50	13.50	10.90	0.00
121.50	13.50	10.90	0.00	148.00	13.50	10.90	0.00
122.00	13.50	10.90	0.00	148.50	13.50	10.90	0.00
122.50	13.50	10.90	0.00	149.00	13.50	10.90	0.00
123.00	13.50	10.90	0.00	149.50	13.50	10.90	0.00
123.50	13.50	10.90	0.00	150.00	13.50	10.90	0.00
124.00	13.50	10.90	0.00	150.50	13.50	10.90	0.00
124.50	13.50	10.90	0.00	151.00	13.50	10.90	0.00
125.00	13.50	10.90	0.00	151.50	13.50	10.90	0.00
125.50	13.50	10.90	0.00	152.00	13.50	10.90	0.00
126.00	13.50	10.90	0.00	152.50	13.50	10.90	0.00
126.50	13.50	10.90	0.00	153.00	13.50	10.90	0.00
127.00	13.50	10.90	0.00	153.50	13.50	10.90	0.00
127.50	13.50	10.90	0.00	154.00	13.50	10.90	0.00
128.00	13.50	10.90	0.00	154.50	13.50	10.90	0.00
128.50	13.50	10.90	0.00	155.00	13.50	10.90	0.00
129.00	13.50	10.90	0.00	155.50	13.50	10.90	0.00
129.50	13.50	10.90	0.00	156.00	13.50	10.90	0.00
130.00	13.50	10.90	0.00	156.50	13.50	10.90	0.00
130.50	13.50	10.90	0.00	157.00	13.50	10.90	0.00
131.00	13.50	10.90	0.00	157.50	13.50	10.90	0.00
131.50	13.50	10.90	0.00	158.00	13.50	10.90	0.00
132.00	13.50	10.90	0.00	158.50	13.50	10.90	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 17

Hydrograph for Subcatchment 7S: Area 3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
159.00	13.50	10.90	0.00	185.50	13.50	10.90	0.00
159.50	13.50	10.90	0.00	186.00	13.50	10.90	0.00
160.00	13.50	10.90	0.00	186.50	13.50	10.90	0.00
160.50	13.50	10.90	0.00	187.00	13.50	10.90	0.00
161.00	13.50	10.90	0.00	187.50	13.50	10.90	0.00
161.50	13.50	10.90	0.00	188.00	13.50	10.90	0.00
162.00	13.50	10.90	0.00	188.50	13.50	10.90	0.00
162.50	13.50	10.90	0.00	189.00	13.50	10.90	0.00
163.00	13.50	10.90	0.00	189.50	13.50	10.90	0.00
163.50	13.50	10.90	0.00	190.00	13.50	10.90	0.00
164.00	13.50	10.90	0.00	190.50	13.50	10.90	0.00
164.50	13.50	10.90	0.00	191.00	13.50	10.90	0.00
165.00	13.50	10.90	0.00	191.50	13.50	10.90	0.00
165.50	13.50	10.90	0.00	192.00	13.50	10.90	0.00
166.00	13.50	10.90	0.00	192.50	13.50	10.90	0.00
166.50	13.50	10.90	0.00	193.00	13.50	10.90	0.00
167.00	13.50	10.90	0.00	193.50	13.50	10.90	0.00
167.50	13.50	10.90	0.00	194.00	13.50	10.90	0.00
168.00	13.50	10.90	0.00	194.50	13.50	10.90	0.00
168.50	13.50	10.90	0.00	195.00	13.50	10.90	0.00
169.00	13.50	10.90	0.00	195.50	13.50	10.90	0.00
169.50	13.50	10.90	0.00	196.00	13.50	10.90	0.00
170.00	13.50	10.90	0.00	196.50	13.50	10.90	0.00
170.50	13.50	10.90	0.00	197.00	13.50	10.90	0.00
171.00	13.50	10.90	0.00	197.50	13.50	10.90	0.00
171.50	13.50	10.90	0.00	198.00	13.50	10.90	0.00
172.00	13.50	10.90	0.00	198.50	13.50	10.90	0.00
172.50	13.50	10.90	0.00	199.00	13.50	10.90	0.00
173.00	13.50	10.90	0.00	199.50	13.50	10.90	0.00
173.50	13.50	10.90	0.00	200.00	13.50	10.90	0.00
174.00	13.50	10.90	0.00	200.50	13.50	10.90	0.00
174.50	13.50	10.90	0.00	201.00	13.50	10.90	0.00
175.00	13.50	10.90	0.00	201.50	13.50	10.90	0.00
175.50	13.50	10.90	0.00	202.00	13.50	10.90	0.00
176.00	13.50	10.90	0.00	202.50	13.50	10.90	0.00
176.50	13.50	10.90	0.00	203.00	13.50	10.90	0.00
177.00	13.50	10.90	0.00	203.50	13.50	10.90	0.00
177.50	13.50	10.90	0.00	204.00	13.50	10.90	0.00
178.00	13.50	10.90	0.00	204.50	13.50	10.90	0.00
178.50	13.50	10.90	0.00	205.00	13.50	10.90	0.00
179.00	13.50	10.90	0.00	205.50	13.50	10.90	0.00
179.50	13.50	10.90	0.00	206.00	13.50	10.90	0.00
180.00	13.50	10.90	0.00	206.50	13.50	10.90	0.00
180.50	13.50	10.90	0.00	207.00	13.50	10.90	0.00
181.00	13.50	10.90	0.00	207.50	13.50	10.90	0.00
181.50	13.50	10.90	0.00	208.00	13.50	10.90	0.00
182.00	13.50	10.90	0.00	208.50	13.50	10.90	0.00
182.50	13.50	10.90	0.00	209.00	13.50	10.90	0.00
183.00	13.50	10.90	0.00	209.50	13.50	10.90	0.00
183.50	13.50	10.90	0.00	210.00	13.50	10.90	0.00
184.00	13.50	10.90	0.00	210.50	13.50	10.90	0.00
184.50	13.50	10.90	0.00	211.00	13.50	10.90	0.00
185.00	13.50	10.90	0.00	211.50	13.50	10.90	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 18

Hydrograph for Subcatchment 7S: Area 3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
212.00	13.50	10.90	0.00	238.50	13.50	10.90	0.00
212.50	13.50	10.90	0.00	239.00	13.50	10.90	0.00
213.00	13.50	10.90	0.00	239.50	13.50	10.90	0.00
213.50	13.50	10.90	0.00	240.00	13.50	10.90	0.00
214.00	13.50	10.90	0.00	240.50	13.50	10.90	0.00
214.50	13.50	10.90	0.00	241.00	13.50	10.90	0.00
215.00	13.50	10.90	0.00	241.50	13.50	10.90	0.00
215.50	13.50	10.90	0.00	242.00	13.50	10.90	0.00
216.00	13.50	10.90	0.00	242.50	13.50	10.90	0.00
216.50	13.50	10.90	0.00	243.00	13.50	10.90	0.00
217.00	13.50	10.90	0.00	243.50	13.50	10.90	0.00
217.50	13.50	10.90	0.00	244.00	13.50	10.90	0.00
218.00	13.50	10.90	0.00	244.50	13.50	10.90	0.00
218.50	13.50	10.90	0.00	245.00	13.50	10.90	0.00
219.00	13.50	10.90	0.00	245.50	13.50	10.90	0.00
219.50	13.50	10.90	0.00	246.00	13.50	10.90	0.00
220.00	13.50	10.90	0.00	246.50	13.50	10.90	0.00
220.50	13.50	10.90	0.00	247.00	13.50	10.90	0.00
221.00	13.50	10.90	0.00	247.50	13.50	10.90	0.00
221.50	13.50	10.90	0.00	248.00	13.50	10.90	0.00
222.00	13.50	10.90	0.00	248.50	13.50	10.90	0.00
222.50	13.50	10.90	0.00	249.00	13.50	10.90	0.00
223.00	13.50	10.90	0.00	249.50	13.50	10.90	0.00
223.50	13.50	10.90	0.00	250.00	13.50	10.90	0.00
224.00	13.50	10.90	0.00	250.50	13.50	10.90	0.00
224.50	13.50	10.90	0.00	251.00	13.50	10.90	0.00
225.00	13.50	10.90	0.00	251.50	13.50	10.90	0.00
225.50	13.50	10.90	0.00	252.00	13.50	10.90	0.00
226.00	13.50	10.90	0.00	252.50	13.50	10.90	0.00
226.50	13.50	10.90	0.00	253.00	13.50	10.90	0.00
227.00	13.50	10.90	0.00	253.50	13.50	10.90	0.00
227.50	13.50	10.90	0.00	254.00	13.50	10.90	0.00
228.00	13.50	10.90	0.00	254.50	13.50	10.90	0.00
228.50	13.50	10.90	0.00	255.00	13.50	10.90	0.00
229.00	13.50	10.90	0.00	255.50	13.50	10.90	0.00
229.50	13.50	10.90	0.00	256.00	13.50	10.90	0.00
230.00	13.50	10.90	0.00	256.50	13.50	10.90	0.00
230.50	13.50	10.90	0.00	257.00	13.50	10.90	0.00
231.00	13.50	10.90	0.00	257.50	13.50	10.90	0.00
231.50	13.50	10.90	0.00	258.00	13.50	10.90	0.00
232.00	13.50	10.90	0.00	258.50	13.50	10.90	0.00
232.50	13.50	10.90	0.00	259.00	13.50	10.90	0.00
233.00	13.50	10.90	0.00	259.50	13.50	10.90	0.00
233.50	13.50	10.90	0.00	260.00	13.50	10.90	0.00
234.00	13.50	10.90	0.00	260.50	13.50	10.90	0.00
234.50	13.50	10.90	0.00	261.00	13.50	10.90	0.00
235.00	13.50	10.90	0.00	261.50	13.50	10.90	0.00
235.50	13.50	10.90	0.00	262.00	13.50	10.90	0.00
236.00	13.50	10.90	0.00	262.50	13.50	10.90	0.00
236.50	13.50	10.90	0.00	263.00	13.50	10.90	0.00
237.00	13.50	10.90	0.00	263.50	13.50	10.90	0.00
237.50	13.50	10.90	0.00	264.00	13.50	10.90	0.00
238.00	13.50	10.90	0.00	264.50	13.50	10.90	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 19

Hydrograph for Subcatchment 7S: Area 3 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
265.00	13.50	10.90	0.00	291.50	13.50	10.90	0.00
265.50	13.50	10.90	0.00	292.00	13.50	10.90	0.00
266.00	13.50	10.90	0.00	292.50	13.50	10.90	0.00
266.50	13.50	10.90	0.00	293.00	13.50	10.90	0.00
267.00	13.50	10.90	0.00	293.50	13.50	10.90	0.00
267.50	13.50	10.90	0.00	294.00	13.50	10.90	0.00
268.00	13.50	10.90	0.00	294.50	13.50	10.90	0.00
268.50	13.50	10.90	0.00	295.00	13.50	10.90	0.00
269.00	13.50	10.90	0.00	295.50	13.50	10.90	0.00
269.50	13.50	10.90	0.00	296.00	13.50	10.90	0.00
270.00	13.50	10.90	0.00	296.50	13.50	10.90	0.00
270.50	13.50	10.90	0.00	297.00	13.50	10.90	0.00
271.00	13.50	10.90	0.00	297.50	13.50	10.90	0.00
271.50	13.50	10.90	0.00	298.00	13.50	10.90	0.00
272.00	13.50	10.90	0.00	298.50	13.50	10.90	0.00
272.50	13.50	10.90	0.00	299.00	13.50	10.90	0.00
273.00	13.50	10.90	0.00	299.50	13.50	10.90	0.00
273.50	13.50	10.90	0.00	300.00	13.50	10.90	0.00
274.00	13.50	10.90	0.00				
274.50	13.50	10.90	0.00				
275.00	13.50	10.90	0.00				
275.50	13.50	10.90	0.00				
276.00	13.50	10.90	0.00				
276.50	13.50	10.90	0.00				
277.00	13.50	10.90	0.00				
277.50	13.50	10.90	0.00				
278.00	13.50	10.90	0.00				
278.50	13.50	10.90	0.00				
279.00	13.50	10.90	0.00				
279.50	13.50	10.90	0.00				
280.00	13.50	10.90	0.00				
280.50	13.50	10.90	0.00				
281.00	13.50	10.90	0.00				
281.50	13.50	10.90	0.00				
282.00	13.50	10.90	0.00				
282.50	13.50	10.90	0.00				
283.00	13.50	10.90	0.00				
283.50	13.50	10.90	0.00				
284.00	13.50	10.90	0.00				
284.50	13.50	10.90	0.00				
285.00	13.50	10.90	0.00				
285.50	13.50	10.90	0.00				
286.00	13.50	10.90	0.00				
286.50	13.50	10.90	0.00				
287.00	13.50	10.90	0.00				
287.50	13.50	10.90	0.00				
288.00	13.50	10.90	0.00				
288.50	13.50	10.90	0.00				
289.00	13.50	10.90	0.00				
289.50	13.50	10.90	0.00				
290.00	13.50	10.90	0.00				
290.50	13.50	10.90	0.00				
291.00	13.50	10.90	0.00				

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 20

Summary for Subcatchment 8S: Area 2

Runoff = 23.08 cfs @ 60.49 hrs, Volume= 5.163 af, Depth=10.04"

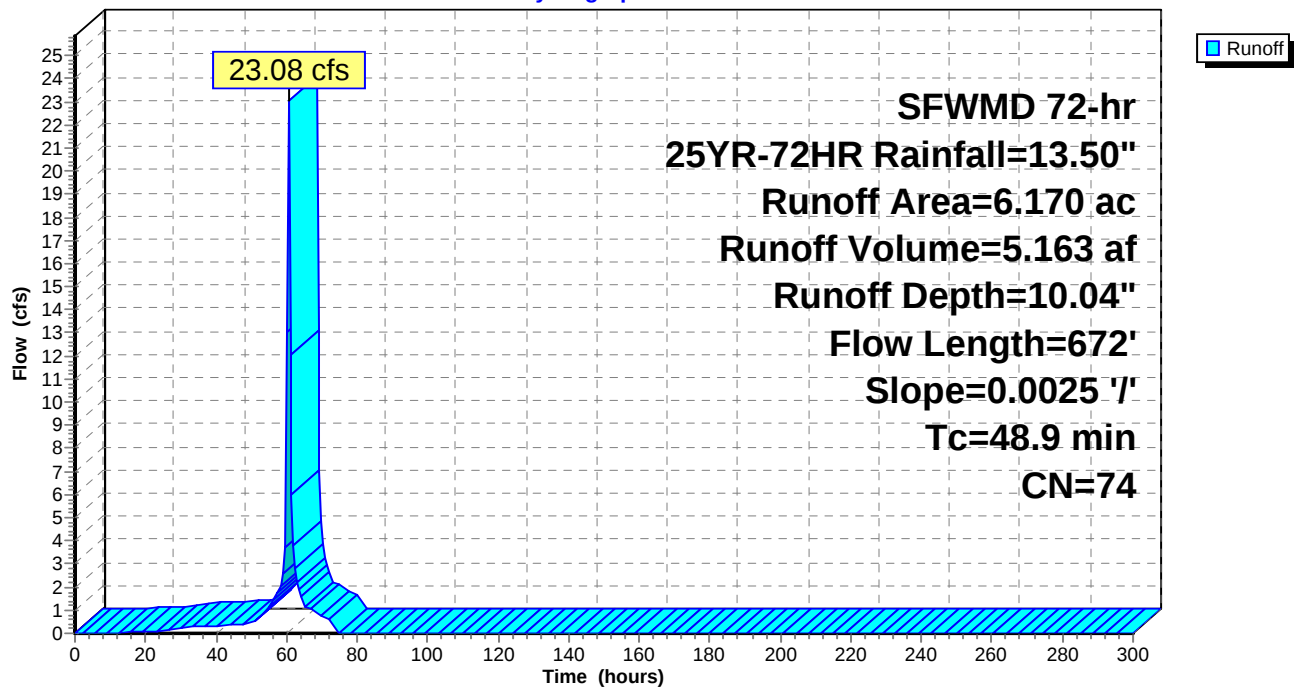
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-300.00 hrs, dt= 0.50 hrs
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Area (ac)	CN	Description
6.170	74	>75% Grass cover, Good, HSG C
6.170		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
40.6	300	0.0025	0.12		Sheet Flow, Overland Flow Grass: Short n= 0.150 P2= 5.70"
8.3	372	0.0025	0.75		Shallow Concentrated Flow, Overland Flow Grassed Waterway Kv= 15.0 fps
48.9	672	Total			

Subcatchment 8S: Area 2

Hydrograph



Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 21

Hydrograph for Subcatchment 8S: Area 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	26.50	1.65	0.20	0.19
0.50	0.03	0.00	0.00	27.00	1.70	0.22	0.20
1.00	0.06	0.00	0.00	27.50	1.74	0.24	0.21
1.50	0.09	0.00	0.00	28.00	1.78	0.25	0.22
2.00	0.12	0.00	0.00	28.50	1.83	0.27	0.23
2.50	0.15	0.00	0.00	29.00	1.88	0.29	0.24
3.00	0.18	0.00	0.00	29.50	1.92	0.31	0.25
3.50	0.21	0.00	0.00	30.00	1.97	0.34	0.26
4.00	0.24	0.00	0.00	30.50	2.02	0.36	0.28
4.50	0.27	0.00	0.00	31.00	2.06	0.38	0.27
5.00	0.30	0.00	0.00	31.50	2.11	0.40	0.26
5.50	0.33	0.00	0.00	32.00	2.15	0.42	0.27
6.00	0.36	0.00	0.00	32.50	2.20	0.45	0.27
6.50	0.39	0.00	0.00	33.00	2.24	0.47	0.27
7.00	0.43	0.00	0.00	33.50	2.28	0.49	0.28
7.50	0.46	0.00	0.00	34.00	2.33	0.51	0.28
8.00	0.49	0.00	0.00	34.50	2.37	0.54	0.29
8.50	0.52	0.00	0.00	35.00	2.42	0.56	0.29
9.00	0.55	0.00	0.00	35.50	2.46	0.59	0.30
9.50	0.58	0.00	0.00	36.00	2.50	0.61	0.30
10.00	0.61	0.00	0.00	36.50	2.55	0.63	0.31
10.50	0.64	0.00	0.00	37.00	2.59	0.66	0.31
11.00	0.67	0.00	0.00	37.50	2.63	0.69	0.31
11.50	0.70	0.00	0.00	38.00	2.68	0.71	0.32
12.00	0.73	0.00	0.00	38.50	2.72	0.74	0.32
12.50	0.76	0.00	0.00	39.00	2.77	0.76	0.32
13.00	0.79	0.00	0.01	39.50	2.81	0.79	0.33
13.50	0.82	0.00	0.01	40.00	2.85	0.82	0.33
14.00	0.85	0.01	0.02	40.50	2.90	0.84	0.33
14.50	0.88	0.01	0.03	41.00	2.94	0.87	0.34
15.00	0.91	0.01	0.03	41.50	2.99	0.90	0.34
15.50	0.94	0.02	0.04	42.00	3.03	0.93	0.34
16.00	0.97	0.02	0.04	42.50	3.07	0.96	0.35
16.50	1.00	0.02	0.05	43.00	3.12	0.98	0.35
17.00	1.03	0.03	0.05	43.50	3.16	1.01	0.35
17.50	1.06	0.03	0.06	44.00	3.20	1.04	0.36
18.00	1.09	0.04	0.06	44.50	3.25	1.07	0.36
18.50	1.12	0.05	0.07	45.00	3.29	1.10	0.36
19.00	1.15	0.05	0.07	45.50	3.34	1.13	0.36
19.50	1.18	0.06	0.08	46.00	3.38	1.16	0.37
20.00	1.21	0.07	0.08	46.50	3.42	1.19	0.37
20.50	1.25	0.07	0.09	47.00	3.47	1.22	0.37
21.00	1.28	0.08	0.09	47.50	3.51	1.25	0.37
21.50	1.31	0.09	0.10	48.00	3.56	1.28	0.38
22.00	1.34	0.10	0.10	48.50	3.61	1.32	0.43
22.50	1.37	0.11	0.10	49.00	3.66	1.35	0.44
23.00	1.40	0.11	0.11	49.50	3.71	1.39	0.44
23.50	1.43	0.12	0.11	50.00	3.76	1.42	0.44
24.00	1.46	0.13	0.12	50.50	3.82	1.47	0.47
24.50	1.49	0.14	0.11	51.00	3.88	1.51	0.52
25.00	1.53	0.16	0.14	51.50	3.95	1.56	0.55
25.50	1.57	0.17	0.17	52.00	4.01	1.61	0.58
26.00	1.61	0.19	0.18	52.50	4.10	1.67	0.63

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 22

Hydrograph for Subcatchment 8S: Area 2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
53.00	4.19	1.73	0.74	79.50	13.50	10.04	0.00
53.50	4.28	1.81	0.83	80.00	13.50	10.04	0.00
54.00	4.39	1.89	0.92	80.50	13.50	10.04	0.00
54.50	4.51	1.98	1.02	81.00	13.50	10.04	0.00
55.00	4.64	2.08	1.13	81.50	13.50	10.04	0.00
55.50	4.78	2.19	1.24	82.00	13.50	10.04	0.00
56.00	4.93	2.31	1.35	82.50	13.50	10.04	0.00
56.50	5.10	2.44	1.48	83.00	13.50	10.04	0.00
57.00	5.28	2.59	1.66	83.50	13.50	10.04	0.00
57.50	5.47	2.75	1.82	84.00	13.50	10.04	0.00
58.00	5.68	2.92	1.98	84.50	13.50	10.04	0.00
58.50	5.92	3.12	2.18	85.00	13.50	10.04	0.00
59.00	6.24	3.39	2.59	85.50	13.50	10.04	0.00
59.50	6.74	3.81	3.73	86.00	13.50	10.04	0.00
60.00	10.08	6.82	13.01	86.50	13.50	10.04	0.00
60.50	10.81	7.50	23.07	87.00	13.50	10.04	0.00
61.00	11.19	7.85	12.06	87.50	13.50	10.04	0.00
61.50	11.46	8.11	5.99	88.00	13.50	10.04	0.00
62.00	11.69	8.33	3.76	88.50	13.50	10.04	0.00
62.50	11.87	8.49	2.79	89.00	13.50	10.04	0.00
63.00	12.03	8.65	2.22	89.50	13.50	10.04	0.00
63.50	12.18	8.79	1.93	90.00	13.50	10.04	0.00
64.00	12.31	8.91	1.72	90.50	13.50	10.04	0.00
64.50	12.40	8.99	1.44	91.00	13.50	10.04	0.00
65.00	12.49	9.08	1.16	91.50	13.50	10.04	0.00
65.50	12.58	9.16	1.07	92.00	13.50	10.04	0.00
66.00	12.66	9.25	1.06	92.50	13.50	10.04	0.00
66.50	12.75	9.33	1.06	93.00	13.50	10.04	0.00
67.00	12.84	9.42	1.06	93.50	13.50	10.04	0.00
67.50	12.94	9.51	1.08	94.00	13.50	10.04	0.00
68.00	13.02	9.59	1.08	94.50	13.50	10.04	0.00
68.50	13.08	9.64	0.94	95.00	13.50	10.04	0.00
69.00	13.14	9.70	0.77	95.50	13.50	10.04	0.00
69.50	13.20	9.76	0.72	96.00	13.50	10.04	0.00
70.00	13.26	9.81	0.71	96.50	13.50	10.04	0.00
70.50	13.32	9.87	0.70	97.00	13.50	10.04	0.00
71.00	13.38	9.93	0.70	97.50	13.50	10.04	0.00
71.50	13.44	9.98	0.70	98.00	13.50	10.04	0.00
72.00	13.50	10.04	0.70	98.50	13.50	10.04	0.00
72.50	13.50	10.04	0.53	99.00	13.50	10.04	0.00
73.00	13.50	10.04	0.16	99.50	13.50	10.04	0.00
73.50	13.50	10.04	0.03	100.00	13.50	10.04	0.00
74.00	13.50	10.04	0.01	100.50	13.50	10.04	0.00
74.50	13.50	10.04	0.00	101.00	13.50	10.04	0.00
75.00	13.50	10.04	0.00	101.50	13.50	10.04	0.00
75.50	13.50	10.04	0.00	102.00	13.50	10.04	0.00
76.00	13.50	10.04	0.00	102.50	13.50	10.04	0.00
76.50	13.50	10.04	0.00	103.00	13.50	10.04	0.00
77.00	13.50	10.04	0.00	103.50	13.50	10.04	0.00
77.50	13.50	10.04	0.00	104.00	13.50	10.04	0.00
78.00	13.50	10.04	0.00	104.50	13.50	10.04	0.00
78.50	13.50	10.04	0.00	105.00	13.50	10.04	0.00
79.00	13.50	10.04	0.00	105.50	13.50	10.04	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 23

Hydrograph for Subcatchment 8S: Area 2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
106.00	13.50	10.04	0.00	132.50	13.50	10.04	0.00
106.50	13.50	10.04	0.00	133.00	13.50	10.04	0.00
107.00	13.50	10.04	0.00	133.50	13.50	10.04	0.00
107.50	13.50	10.04	0.00	134.00	13.50	10.04	0.00
108.00	13.50	10.04	0.00	134.50	13.50	10.04	0.00
108.50	13.50	10.04	0.00	135.00	13.50	10.04	0.00
109.00	13.50	10.04	0.00	135.50	13.50	10.04	0.00
109.50	13.50	10.04	0.00	136.00	13.50	10.04	0.00
110.00	13.50	10.04	0.00	136.50	13.50	10.04	0.00
110.50	13.50	10.04	0.00	137.00	13.50	10.04	0.00
111.00	13.50	10.04	0.00	137.50	13.50	10.04	0.00
111.50	13.50	10.04	0.00	138.00	13.50	10.04	0.00
112.00	13.50	10.04	0.00	138.50	13.50	10.04	0.00
112.50	13.50	10.04	0.00	139.00	13.50	10.04	0.00
113.00	13.50	10.04	0.00	139.50	13.50	10.04	0.00
113.50	13.50	10.04	0.00	140.00	13.50	10.04	0.00
114.00	13.50	10.04	0.00	140.50	13.50	10.04	0.00
114.50	13.50	10.04	0.00	141.00	13.50	10.04	0.00
115.00	13.50	10.04	0.00	141.50	13.50	10.04	0.00
115.50	13.50	10.04	0.00	142.00	13.50	10.04	0.00
116.00	13.50	10.04	0.00	142.50	13.50	10.04	0.00
116.50	13.50	10.04	0.00	143.00	13.50	10.04	0.00
117.00	13.50	10.04	0.00	143.50	13.50	10.04	0.00
117.50	13.50	10.04	0.00	144.00	13.50	10.04	0.00
118.00	13.50	10.04	0.00	144.50	13.50	10.04	0.00
118.50	13.50	10.04	0.00	145.00	13.50	10.04	0.00
119.00	13.50	10.04	0.00	145.50	13.50	10.04	0.00
119.50	13.50	10.04	0.00	146.00	13.50	10.04	0.00
120.00	13.50	10.04	0.00	146.50	13.50	10.04	0.00
120.50	13.50	10.04	0.00	147.00	13.50	10.04	0.00
121.00	13.50	10.04	0.00	147.50	13.50	10.04	0.00
121.50	13.50	10.04	0.00	148.00	13.50	10.04	0.00
122.00	13.50	10.04	0.00	148.50	13.50	10.04	0.00
122.50	13.50	10.04	0.00	149.00	13.50	10.04	0.00
123.00	13.50	10.04	0.00	149.50	13.50	10.04	0.00
123.50	13.50	10.04	0.00	150.00	13.50	10.04	0.00
124.00	13.50	10.04	0.00	150.50	13.50	10.04	0.00
124.50	13.50	10.04	0.00	151.00	13.50	10.04	0.00
125.00	13.50	10.04	0.00	151.50	13.50	10.04	0.00
125.50	13.50	10.04	0.00	152.00	13.50	10.04	0.00
126.00	13.50	10.04	0.00	152.50	13.50	10.04	0.00
126.50	13.50	10.04	0.00	153.00	13.50	10.04	0.00
127.00	13.50	10.04	0.00	153.50	13.50	10.04	0.00
127.50	13.50	10.04	0.00	154.00	13.50	10.04	0.00
128.00	13.50	10.04	0.00	154.50	13.50	10.04	0.00
128.50	13.50	10.04	0.00	155.00	13.50	10.04	0.00
129.00	13.50	10.04	0.00	155.50	13.50	10.04	0.00
129.50	13.50	10.04	0.00	156.00	13.50	10.04	0.00
130.00	13.50	10.04	0.00	156.50	13.50	10.04	0.00
130.50	13.50	10.04	0.00	157.00	13.50	10.04	0.00
131.00	13.50	10.04	0.00	157.50	13.50	10.04	0.00
131.50	13.50	10.04	0.00	158.00	13.50	10.04	0.00
132.00	13.50	10.04	0.00	158.50	13.50	10.04	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 24

Hydrograph for Subcatchment 8S: Area 2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
159.00	13.50	10.04	0.00	185.50	13.50	10.04	0.00
159.50	13.50	10.04	0.00	186.00	13.50	10.04	0.00
160.00	13.50	10.04	0.00	186.50	13.50	10.04	0.00
160.50	13.50	10.04	0.00	187.00	13.50	10.04	0.00
161.00	13.50	10.04	0.00	187.50	13.50	10.04	0.00
161.50	13.50	10.04	0.00	188.00	13.50	10.04	0.00
162.00	13.50	10.04	0.00	188.50	13.50	10.04	0.00
162.50	13.50	10.04	0.00	189.00	13.50	10.04	0.00
163.00	13.50	10.04	0.00	189.50	13.50	10.04	0.00
163.50	13.50	10.04	0.00	190.00	13.50	10.04	0.00
164.00	13.50	10.04	0.00	190.50	13.50	10.04	0.00
164.50	13.50	10.04	0.00	191.00	13.50	10.04	0.00
165.00	13.50	10.04	0.00	191.50	13.50	10.04	0.00
165.50	13.50	10.04	0.00	192.00	13.50	10.04	0.00
166.00	13.50	10.04	0.00	192.50	13.50	10.04	0.00
166.50	13.50	10.04	0.00	193.00	13.50	10.04	0.00
167.00	13.50	10.04	0.00	193.50	13.50	10.04	0.00
167.50	13.50	10.04	0.00	194.00	13.50	10.04	0.00
168.00	13.50	10.04	0.00	194.50	13.50	10.04	0.00
168.50	13.50	10.04	0.00	195.00	13.50	10.04	0.00
169.00	13.50	10.04	0.00	195.50	13.50	10.04	0.00
169.50	13.50	10.04	0.00	196.00	13.50	10.04	0.00
170.00	13.50	10.04	0.00	196.50	13.50	10.04	0.00
170.50	13.50	10.04	0.00	197.00	13.50	10.04	0.00
171.00	13.50	10.04	0.00	197.50	13.50	10.04	0.00
171.50	13.50	10.04	0.00	198.00	13.50	10.04	0.00
172.00	13.50	10.04	0.00	198.50	13.50	10.04	0.00
172.50	13.50	10.04	0.00	199.00	13.50	10.04	0.00
173.00	13.50	10.04	0.00	199.50	13.50	10.04	0.00
173.50	13.50	10.04	0.00	200.00	13.50	10.04	0.00
174.00	13.50	10.04	0.00	200.50	13.50	10.04	0.00
174.50	13.50	10.04	0.00	201.00	13.50	10.04	0.00
175.00	13.50	10.04	0.00	201.50	13.50	10.04	0.00
175.50	13.50	10.04	0.00	202.00	13.50	10.04	0.00
176.00	13.50	10.04	0.00	202.50	13.50	10.04	0.00
176.50	13.50	10.04	0.00	203.00	13.50	10.04	0.00
177.00	13.50	10.04	0.00	203.50	13.50	10.04	0.00
177.50	13.50	10.04	0.00	204.00	13.50	10.04	0.00
178.00	13.50	10.04	0.00	204.50	13.50	10.04	0.00
178.50	13.50	10.04	0.00	205.00	13.50	10.04	0.00
179.00	13.50	10.04	0.00	205.50	13.50	10.04	0.00
179.50	13.50	10.04	0.00	206.00	13.50	10.04	0.00
180.00	13.50	10.04	0.00	206.50	13.50	10.04	0.00
180.50	13.50	10.04	0.00	207.00	13.50	10.04	0.00
181.00	13.50	10.04	0.00	207.50	13.50	10.04	0.00
181.50	13.50	10.04	0.00	208.00	13.50	10.04	0.00
182.00	13.50	10.04	0.00	208.50	13.50	10.04	0.00
182.50	13.50	10.04	0.00	209.00	13.50	10.04	0.00
183.00	13.50	10.04	0.00	209.50	13.50	10.04	0.00
183.50	13.50	10.04	0.00	210.00	13.50	10.04	0.00
184.00	13.50	10.04	0.00	210.50	13.50	10.04	0.00
184.50	13.50	10.04	0.00	211.00	13.50	10.04	0.00
185.00	13.50	10.04	0.00	211.50	13.50	10.04	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 25

Hydrograph for Subcatchment 8S: Area 2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
212.00	13.50	10.04	0.00	238.50	13.50	10.04	0.00
212.50	13.50	10.04	0.00	239.00	13.50	10.04	0.00
213.00	13.50	10.04	0.00	239.50	13.50	10.04	0.00
213.50	13.50	10.04	0.00	240.00	13.50	10.04	0.00
214.00	13.50	10.04	0.00	240.50	13.50	10.04	0.00
214.50	13.50	10.04	0.00	241.00	13.50	10.04	0.00
215.00	13.50	10.04	0.00	241.50	13.50	10.04	0.00
215.50	13.50	10.04	0.00	242.00	13.50	10.04	0.00
216.00	13.50	10.04	0.00	242.50	13.50	10.04	0.00
216.50	13.50	10.04	0.00	243.00	13.50	10.04	0.00
217.00	13.50	10.04	0.00	243.50	13.50	10.04	0.00
217.50	13.50	10.04	0.00	244.00	13.50	10.04	0.00
218.00	13.50	10.04	0.00	244.50	13.50	10.04	0.00
218.50	13.50	10.04	0.00	245.00	13.50	10.04	0.00
219.00	13.50	10.04	0.00	245.50	13.50	10.04	0.00
219.50	13.50	10.04	0.00	246.00	13.50	10.04	0.00
220.00	13.50	10.04	0.00	246.50	13.50	10.04	0.00
220.50	13.50	10.04	0.00	247.00	13.50	10.04	0.00
221.00	13.50	10.04	0.00	247.50	13.50	10.04	0.00
221.50	13.50	10.04	0.00	248.00	13.50	10.04	0.00
222.00	13.50	10.04	0.00	248.50	13.50	10.04	0.00
222.50	13.50	10.04	0.00	249.00	13.50	10.04	0.00
223.00	13.50	10.04	0.00	249.50	13.50	10.04	0.00
223.50	13.50	10.04	0.00	250.00	13.50	10.04	0.00
224.00	13.50	10.04	0.00	250.50	13.50	10.04	0.00
224.50	13.50	10.04	0.00	251.00	13.50	10.04	0.00
225.00	13.50	10.04	0.00	251.50	13.50	10.04	0.00
225.50	13.50	10.04	0.00	252.00	13.50	10.04	0.00
226.00	13.50	10.04	0.00	252.50	13.50	10.04	0.00
226.50	13.50	10.04	0.00	253.00	13.50	10.04	0.00
227.00	13.50	10.04	0.00	253.50	13.50	10.04	0.00
227.50	13.50	10.04	0.00	254.00	13.50	10.04	0.00
228.00	13.50	10.04	0.00	254.50	13.50	10.04	0.00
228.50	13.50	10.04	0.00	255.00	13.50	10.04	0.00
229.00	13.50	10.04	0.00	255.50	13.50	10.04	0.00
229.50	13.50	10.04	0.00	256.00	13.50	10.04	0.00
230.00	13.50	10.04	0.00	256.50	13.50	10.04	0.00
230.50	13.50	10.04	0.00	257.00	13.50	10.04	0.00
231.00	13.50	10.04	0.00	257.50	13.50	10.04	0.00
231.50	13.50	10.04	0.00	258.00	13.50	10.04	0.00
232.00	13.50	10.04	0.00	258.50	13.50	10.04	0.00
232.50	13.50	10.04	0.00	259.00	13.50	10.04	0.00
233.00	13.50	10.04	0.00	259.50	13.50	10.04	0.00
233.50	13.50	10.04	0.00	260.00	13.50	10.04	0.00
234.00	13.50	10.04	0.00	260.50	13.50	10.04	0.00
234.50	13.50	10.04	0.00	261.00	13.50	10.04	0.00
235.00	13.50	10.04	0.00	261.50	13.50	10.04	0.00
235.50	13.50	10.04	0.00	262.00	13.50	10.04	0.00
236.00	13.50	10.04	0.00	262.50	13.50	10.04	0.00
236.50	13.50	10.04	0.00	263.00	13.50	10.04	0.00
237.00	13.50	10.04	0.00	263.50	13.50	10.04	0.00
237.50	13.50	10.04	0.00	264.00	13.50	10.04	0.00
238.00	13.50	10.04	0.00	264.50	13.50	10.04	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 26

Hydrograph for Subcatchment 8S: Area 2 (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
265.00	13.50	10.04	0.00	291.50	13.50	10.04	0.00
265.50	13.50	10.04	0.00	292.00	13.50	10.04	0.00
266.00	13.50	10.04	0.00	292.50	13.50	10.04	0.00
266.50	13.50	10.04	0.00	293.00	13.50	10.04	0.00
267.00	13.50	10.04	0.00	293.50	13.50	10.04	0.00
267.50	13.50	10.04	0.00	294.00	13.50	10.04	0.00
268.00	13.50	10.04	0.00	294.50	13.50	10.04	0.00
268.50	13.50	10.04	0.00	295.00	13.50	10.04	0.00
269.00	13.50	10.04	0.00	295.50	13.50	10.04	0.00
269.50	13.50	10.04	0.00	296.00	13.50	10.04	0.00
270.00	13.50	10.04	0.00	296.50	13.50	10.04	0.00
270.50	13.50	10.04	0.00	297.00	13.50	10.04	0.00
271.00	13.50	10.04	0.00	297.50	13.50	10.04	0.00
271.50	13.50	10.04	0.00	298.00	13.50	10.04	0.00
272.00	13.50	10.04	0.00	298.50	13.50	10.04	0.00
272.50	13.50	10.04	0.00	299.00	13.50	10.04	0.00
273.00	13.50	10.04	0.00	299.50	13.50	10.04	0.00
273.50	13.50	10.04	0.00	300.00	13.50	10.04	0.00
274.00	13.50	10.04	0.00				
274.50	13.50	10.04	0.00				
275.00	13.50	10.04	0.00				
275.50	13.50	10.04	0.00				
276.00	13.50	10.04	0.00				
276.50	13.50	10.04	0.00				
277.00	13.50	10.04	0.00				
277.50	13.50	10.04	0.00				
278.00	13.50	10.04	0.00				
278.50	13.50	10.04	0.00				
279.00	13.50	10.04	0.00				
279.50	13.50	10.04	0.00				
280.00	13.50	10.04	0.00				
280.50	13.50	10.04	0.00				
281.00	13.50	10.04	0.00				
281.50	13.50	10.04	0.00				
282.00	13.50	10.04	0.00				
282.50	13.50	10.04	0.00				
283.00	13.50	10.04	0.00				
283.50	13.50	10.04	0.00				
284.00	13.50	10.04	0.00				
284.50	13.50	10.04	0.00				
285.00	13.50	10.04	0.00				
285.50	13.50	10.04	0.00				
286.00	13.50	10.04	0.00				
286.50	13.50	10.04	0.00				
287.00	13.50	10.04	0.00				
287.50	13.50	10.04	0.00				
288.00	13.50	10.04	0.00				
288.50	13.50	10.04	0.00				
289.00	13.50	10.04	0.00				
289.50	13.50	10.04	0.00				
290.00	13.50	10.04	0.00				
290.50	13.50	10.04	0.00				
291.00	13.50	10.04	0.00				

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 27

Summary for Pond 3P: Pond 4

Inflow Area = 25.640 ac, 22.89% Impervious, Inflow Depth = 10.81" for 25YR-72HR event
Inflow = **99.86 cfs** @ 60.46 hrs, Volume= 23.100 af
 Outflow = 85.95 cfs @ 60.66 hrs, Volume= 23.100 af, Atten= 14%, Lag= 11.9 min
 Primary = 85.95 cfs @ 60.66 hrs, Volume= 23.100 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-300.00 hrs, dt= 0.50 hrs
 Peak Elev= 3.97' @ 60.67 hrs Surf.Area= 0.000 ac Storage= 4.262 af

Plug-Flow detention time= 614.2 min calculated for 23.062 af (100% of inflow)
 Center-of-Mass det. time= 627.4 min (4,031.8 - 3,404.4)

Volume	Invert	Avail.Storage	Storage Description
#1	2.50'	4.340 af	Custom Stage Data Listed below

Elevation (feet)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
2.50	0.000	0.000
3.00	1.380	1.380
3.50	1.460	2.840
4.00	1.500	4.340

Device	Routing	Invert	Outlet Devices
#1	Primary	3.25'	50.0' 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	2.00'	2.0" Vert. Orifice/Grate X 2.00 C= 0.600

Primary OutFlow Max=79.72 cfs @ 60.66 hrs HW=3.94' TW=0.00' (Dynamic Tailwater)

- 1=Broad-Crested Rectangular Weir (Weir Controls 79.43 cfs @ 2.31 fps)
- 2=Orifice/Grate (Orifice Controls 0.29 cfs @ 6.55 fps)

Construction and Maintenance Use Area

Prepared by Black & Veatch

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

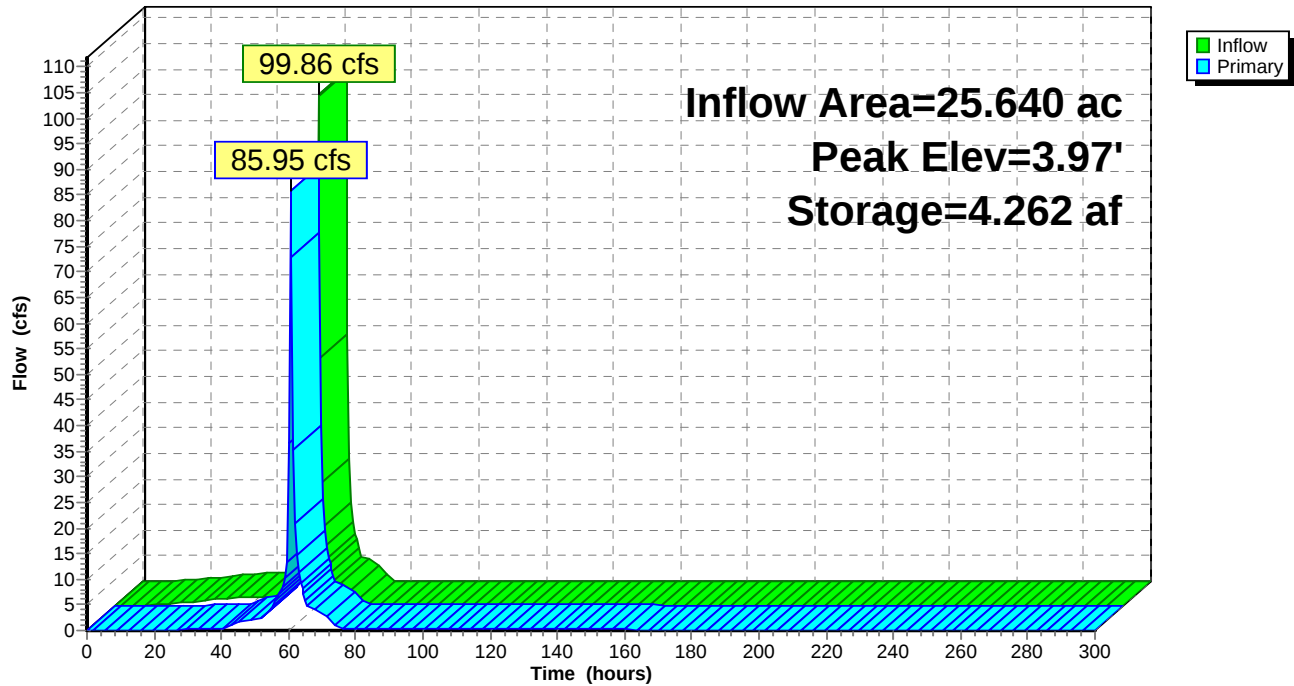
SFWMD 72-hr 25YR-72HR Rainfall=13.50"

Printed 6/26/2017

Page 28

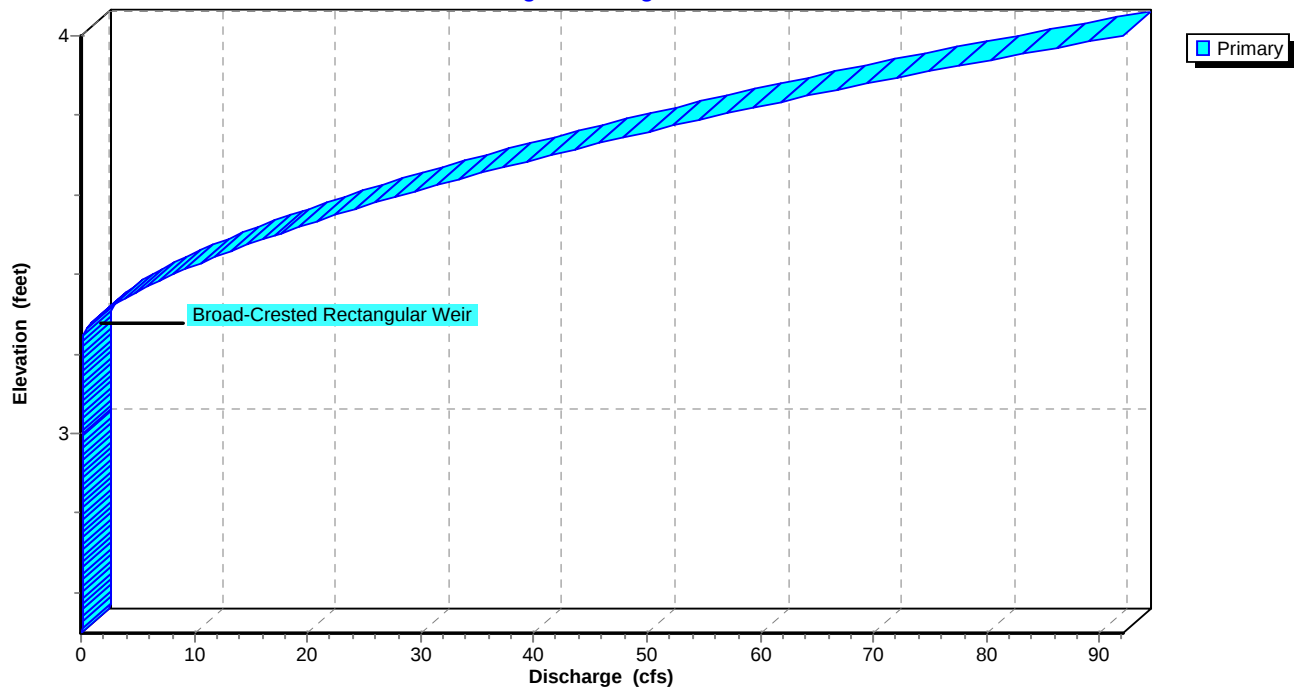
Pond 3P: Pond 4

Hydrograph



Pond 3P: Pond 4

Stage-Discharge



Construction and Maintenance Use Area

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

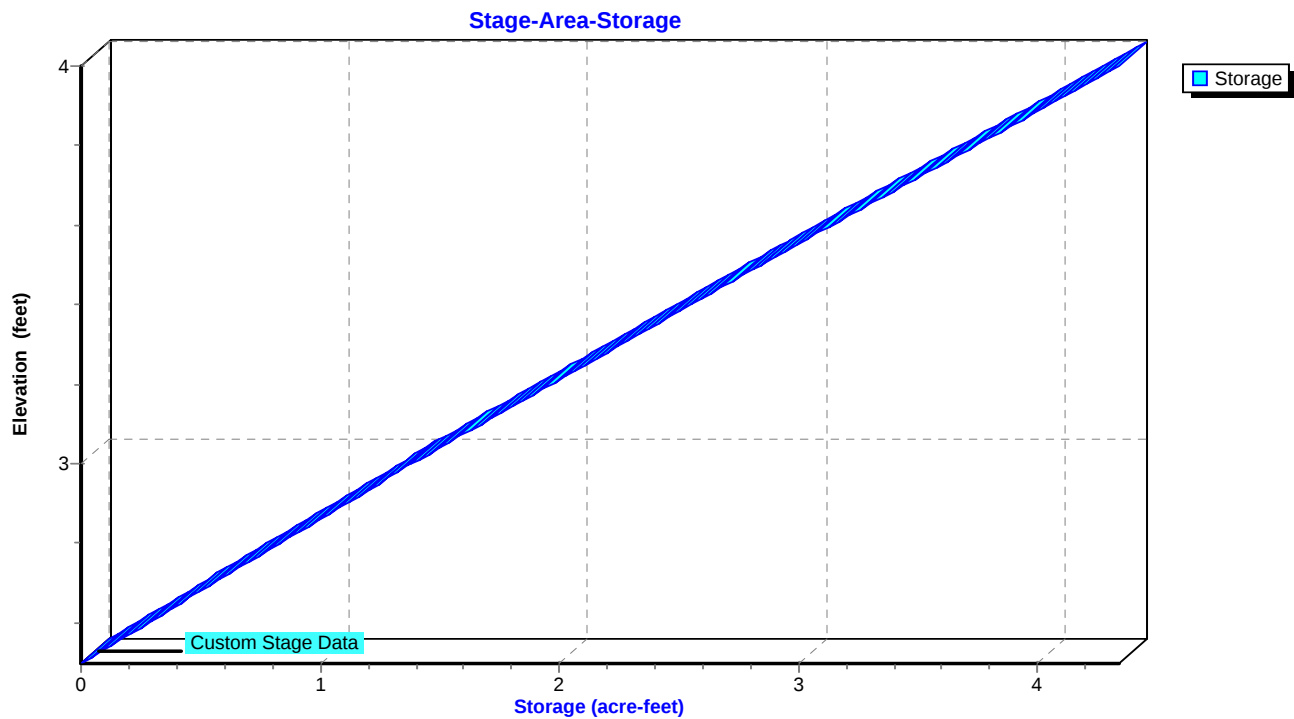
Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 29

Pond 3P: Pond 4



Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 30

Hydrograph for Pond 3P: Pond 4

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Outflow-Volume (acre-feet)
0.00	0.00	0.000	2.50	0.00	0.00	0.000
1.00	0.00	0.000	2.50	0.00	0.00	0.000
2.00	0.00	0.000	2.50	0.00	0.00	0.000
3.00	0.00	0.000	2.50	0.00	0.00	0.000
4.00	0.00	0.000	2.50	0.00	0.00	0.000
5.00	0.00	0.000	2.50	0.00	0.00	0.000
6.00	0.00	0.000	2.50	0.00	0.00	0.000
7.00	0.00	0.000	2.50	0.00	0.00	0.000
8.00	0.02	0.000	2.50	0.02	0.02	0.001
9.00	0.05	0.000	2.50	0.05	0.05	0.005
10.00	0.10	0.000	2.50	0.10	0.10	0.012
11.00	0.15	0.000	2.50	0.14	0.14	0.022
12.00	0.20	0.004	2.50	0.14	0.14	0.034
13.00	0.25	0.011	2.50	0.14	0.14	0.045
14.00	0.31	0.023	2.51	0.14	0.14	0.056
15.00	0.36	0.039	2.51	0.14	0.14	0.067
16.00	0.41	0.060	2.52	0.14	0.14	0.079
17.00	0.45	0.084	2.53	0.14	0.14	0.091
18.00	0.50	0.111	2.54	0.14	0.14	0.102
19.00	0.54	0.142	2.55	0.14	0.14	0.114
20.00	0.57	0.176	2.56	0.15	0.15	0.126
21.00	0.61	0.213	2.58	0.15	0.15	0.138
22.00	0.64	0.253	2.59	0.15	0.15	0.151
23.00	0.68	0.295	2.61	0.15	0.15	0.163
24.00	0.70	0.339	2.62	0.15	0.15	0.176
25.00	0.88	0.387	2.64	0.16	0.16	0.189
26.00	1.04	0.454	2.66	0.16	0.16	0.202
27.00	1.12	0.530	2.69	0.16	0.16	0.215
28.00	1.21	0.613	2.72	0.17	0.17	0.229
29.00	1.30	0.703	2.75	0.17	0.17	0.243
30.00	1.40	0.800	2.79	0.18	0.18	0.258
31.00	1.44	0.907	2.83	0.18	0.18	0.273
32.00	1.39	1.007	2.87	0.19	0.19	0.288
33.00	1.42	1.108	2.90	0.19	0.19	0.304
34.00	1.46	1.211	2.94	0.19	0.19	0.320
35.00	1.49	1.317	2.98	0.20	0.20	0.336
36.00	1.52	1.425	3.02	0.20	0.20	0.353
37.00	1.55	1.534	3.05	0.21	0.21	0.370
38.00	1.57	1.646	3.09	0.21	0.21	0.387
39.00	1.60	1.759	3.13	0.21	0.21	0.405
40.00	1.62	1.874	3.17	0.22	0.22	0.423
41.00	1.64	1.991	3.21	0.22	0.22	0.441
42.00	1.66	2.109	3.25	0.23	0.23	0.460
43.00	1.68	2.200	3.28	0.96	0.96	0.522
44.00	1.70	2.238	3.29	1.46	1.46	0.635
45.00	1.72	2.250	3.30	1.64	1.64	0.768
46.00	1.74	2.254	3.30	1.71	1.71	0.908
47.00	1.76	2.256	3.30	1.74	1.74	1.051
48.00	1.78	2.258	3.30	1.76	1.76	1.196
49.00	2.06	2.269	3.30	1.93	1.93	1.352
50.00	2.06	2.274	3.31	2.02	2.02	1.518
51.00	2.41	2.285	3.31	2.20	2.20	1.695
52.00	2.69	2.301	3.32	2.49	2.49	1.895

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 31

Hydrograph for Pond 3P: Pond 4 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Outflow-Volume (acre-feet)
53.00	3.46	2.327	3.32	2.97	2.97	2.128
54.00	4.25	2.368	3.34	3.77	3.77	2.423
55.00	5.20	2.410	3.35	4.66	4.66	2.789
56.00	6.17	2.453	3.37	5.66	5.66	3.236
57.00	7.51	2.501	3.38	6.82	6.82	3.774
58.00	8.92	2.556	3.40	8.28	8.28	4.428
59.00	11.67	2.628	3.43	10.28	10.28	5.227
60.00	62.07	3.332	3.66	36.53	36.53	7.291
61.00	48.39	4.038	3.90	72.88	72.88	13.734
62.00	15.29	2.951	3.54	21.02	21.02	16.054
63.00	9.25	2.661	3.44	11.27	11.27	17.124
64.00	7.24	2.551	3.40	8.13	8.13	17.846
65.00	4.84	2.465	3.37	5.95	5.95	18.384
66.00	4.47	2.413	3.35	4.73	4.73	18.791
67.00	4.48	2.404	3.35	4.52	4.52	19.167
68.00	4.55	2.405	3.35	4.56	4.56	19.543
69.00	3.21	2.373	3.34	3.87	3.87	19.882
70.00	2.99	2.339	3.33	3.18	3.18	20.156
71.00	2.98	2.330	3.33	3.02	3.02	20.407
72.00	2.97	2.328	3.32	2.99	2.99	20.654
73.00	0.57	2.273	3.31	2.01	2.01	20.851
74.00	0.02	2.183	3.27	0.76	0.76	20.932
75.00	0.00	2.139	3.26	0.36	0.36	20.968
76.00	0.00	2.115	3.25	0.24	0.24	20.990
77.00	0.00	2.096	3.25	0.23	0.23	21.008
78.00	0.00	2.078	3.24	0.23	0.23	21.027
79.00	0.00	2.059	3.23	0.23	0.23	21.046
80.00	0.00	2.040	3.23	0.22	0.22	21.064
81.00	0.00	2.022	3.22	0.22	0.22	21.083
82.00	0.00	2.003	3.21	0.22	0.22	21.101
83.00	0.00	1.985	3.21	0.22	0.22	21.120
84.00	0.00	1.966	3.20	0.22	0.22	21.138
85.00	0.00	1.948	3.19	0.22	0.22	21.156
86.00	0.00	1.930	3.19	0.22	0.22	21.175
87.00	0.00	1.912	3.18	0.22	0.22	21.193
88.00	0.00	1.893	3.18	0.22	0.22	21.211
89.00	0.00	1.875	3.17	0.22	0.22	21.229
90.00	0.00	1.857	3.16	0.22	0.22	21.247
91.00	0.00	1.839	3.16	0.22	0.22	21.265
92.00	0.00	1.821	3.15	0.22	0.22	21.283
93.00	0.00	1.803	3.14	0.22	0.22	21.301
94.00	0.00	1.785	3.14	0.22	0.22	21.319
95.00	0.00	1.768	3.13	0.22	0.22	21.337
96.00	0.00	1.750	3.13	0.21	0.21	21.354
97.00	0.00	1.732	3.12	0.21	0.21	21.372
98.00	0.00	1.715	3.11	0.21	0.21	21.390
99.00	0.00	1.697	3.11	0.21	0.21	21.407
100.00	0.00	1.679	3.10	0.21	0.21	21.425
101.00	0.00	1.662	3.10	0.21	0.21	21.442
102.00	0.00	1.644	3.09	0.21	0.21	21.460
103.00	0.00	1.627	3.08	0.21	0.21	21.477
104.00	0.00	1.610	3.08	0.21	0.21	21.494
105.00	0.00	1.592	3.07	0.21	0.21	21.512

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 32

Hydrograph for Pond 3P: Pond 4 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Outflow-Volume (acre-feet)
106.00	0.00	1.575	3.07	0.21	0.21	21.529
107.00	0.00	1.558	3.06	0.21	0.21	21.546
108.00	0.00	1.541	3.06	0.21	0.21	21.563
109.00	0.00	1.524	3.05	0.21	0.21	21.580
110.00	0.00	1.507	3.04	0.21	0.21	21.597
111.00	0.00	1.490	3.04	0.21	0.21	21.614
112.00	0.00	1.473	3.03	0.20	0.20	21.631
113.00	0.00	1.456	3.03	0.20	0.20	21.648
114.00	0.00	1.439	3.02	0.20	0.20	21.665
115.00	0.00	1.422	3.01	0.20	0.20	21.682
116.00	0.00	1.406	3.01	0.20	0.20	21.698
117.00	0.00	1.389	3.00	0.20	0.20	21.715
118.00	0.00	1.372	3.00	0.20	0.20	21.732
119.00	0.00	1.356	2.99	0.20	0.20	21.748
120.00	0.00	1.339	2.99	0.20	0.20	21.765
121.00	0.00	1.323	2.98	0.20	0.20	21.781
122.00	0.00	1.306	2.97	0.20	0.20	21.798
123.00	0.00	1.290	2.97	0.20	0.20	21.814
124.00	0.00	1.274	2.96	0.20	0.20	21.830
125.00	0.00	1.257	2.96	0.20	0.20	21.846
126.00	0.00	1.241	2.95	0.20	0.20	21.863
127.00	0.00	1.225	2.94	0.19	0.19	21.879
128.00	0.00	1.209	2.94	0.19	0.19	21.895
129.00	0.00	1.193	2.93	0.19	0.19	21.911
130.00	0.00	1.177	2.93	0.19	0.19	21.927
131.00	0.00	1.161	2.92	0.19	0.19	21.943
132.00	0.00	1.145	2.91	0.19	0.19	21.959
133.00	0.00	1.129	2.91	0.19	0.19	21.974
134.00	0.00	1.114	2.90	0.19	0.19	21.990
135.00	0.00	1.098	2.90	0.19	0.19	22.006
136.00	0.00	1.082	2.89	0.19	0.19	22.021
137.00	0.00	1.067	2.89	0.19	0.19	22.037
138.00	0.00	1.051	2.88	0.19	0.19	22.053
139.00	0.00	1.036	2.88	0.19	0.19	22.068
140.00	0.00	1.020	2.87	0.19	0.19	22.083
141.00	0.00	1.005	2.86	0.19	0.19	22.099
142.00	0.00	0.990	2.86	0.18	0.18	22.114
143.00	0.00	0.974	2.85	0.18	0.18	22.129
144.00	0.00	0.959	2.85	0.18	0.18	22.144
145.00	0.00	0.944	2.84	0.18	0.18	22.160
146.00	0.00	0.929	2.84	0.18	0.18	22.175
147.00	0.00	0.914	2.83	0.18	0.18	22.190
148.00	0.00	0.899	2.83	0.18	0.18	22.205
149.00	0.00	0.884	2.82	0.18	0.18	22.220
150.00	0.00	0.869	2.81	0.18	0.18	22.234
151.00	0.00	0.854	2.81	0.18	0.18	22.249
152.00	0.00	0.839	2.80	0.18	0.18	22.264
153.00	0.00	0.825	2.80	0.18	0.18	22.279
154.00	0.00	0.810	2.79	0.18	0.18	22.293
155.00	0.00	0.795	2.79	0.18	0.18	22.308
156.00	0.00	0.781	2.78	0.18	0.18	22.323
157.00	0.00	0.766	2.78	0.18	0.18	22.337
158.00	0.00	0.752	2.77	0.17	0.17	22.351

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 33

Hydrograph for Pond 3P: Pond 4 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Outflow-Volume (acre-feet)
159.00	0.00	0.738	2.77	0.17	0.17	22.366
160.00	0.00	0.723	2.76	0.17	0.17	22.380
161.00	0.00	0.709	2.76	0.17	0.17	22.394
162.00	0.00	0.695	2.75	0.17	0.17	22.409
163.00	0.00	0.681	2.75	0.17	0.17	22.423
164.00	0.00	0.666	2.74	0.17	0.17	22.437
165.00	0.00	0.652	2.74	0.17	0.17	22.451
166.00	0.00	0.638	2.73	0.17	0.17	22.465
167.00	0.00	0.624	2.73	0.17	0.17	22.479
168.00	0.00	0.611	2.72	0.17	0.17	22.493
169.00	0.00	0.597	2.72	0.17	0.17	22.507
170.00	0.00	0.583	2.71	0.17	0.17	22.520
171.00	0.00	0.569	2.71	0.17	0.17	22.534
172.00	0.00	0.556	2.70	0.17	0.17	22.548
173.00	0.00	0.542	2.70	0.16	0.16	22.561
174.00	0.00	0.528	2.69	0.16	0.16	22.575
175.00	0.00	0.515	2.69	0.16	0.16	22.588
176.00	0.00	0.501	2.68	0.16	0.16	22.602
177.00	0.00	0.488	2.68	0.16	0.16	22.615
178.00	0.00	0.475	2.67	0.16	0.16	22.629
179.00	0.00	0.461	2.67	0.16	0.16	22.642
180.00	0.00	0.448	2.66	0.16	0.16	22.655
181.00	0.00	0.435	2.66	0.16	0.16	22.668
182.00	0.00	0.422	2.65	0.16	0.16	22.681
183.00	0.00	0.409	2.65	0.16	0.16	22.694
184.00	0.00	0.396	2.64	0.16	0.16	22.707
185.00	0.00	0.383	2.64	0.16	0.16	22.720
186.00	0.00	0.370	2.63	0.16	0.16	22.733
187.00	0.00	0.357	2.63	0.16	0.16	22.746
188.00	0.00	0.344	2.62	0.15	0.15	22.759
189.00	0.00	0.331	2.62	0.15	0.15	22.772
190.00	0.00	0.319	2.62	0.15	0.15	22.784
191.00	0.00	0.306	2.61	0.15	0.15	22.797
192.00	0.00	0.294	2.61	0.15	0.15	22.809
193.00	0.00	0.281	2.60	0.15	0.15	22.822
194.00	0.00	0.268	2.60	0.15	0.15	22.834
195.00	0.00	0.256	2.59	0.15	0.15	22.847
196.00	0.00	0.244	2.59	0.15	0.15	22.859
197.00	0.00	0.231	2.58	0.15	0.15	22.871
198.00	0.00	0.219	2.58	0.15	0.15	22.884
199.00	0.00	0.207	2.57	0.15	0.15	22.896
200.00	0.00	0.195	2.57	0.15	0.15	22.908
201.00	0.00	0.183	2.57	0.15	0.15	22.920
202.00	0.00	0.171	2.56	0.15	0.15	22.932
203.00	0.00	0.159	2.56	0.14	0.14	22.944
204.00	0.00	0.147	2.55	0.14	0.14	22.956
205.00	0.00	0.135	2.55	0.14	0.14	22.968
206.00	0.00	0.123	2.54	0.14	0.14	22.980
207.00	0.00	0.111	2.54	0.14	0.14	22.991
208.00	0.00	0.100	2.54	0.14	0.14	23.003
209.00	0.00	0.088	2.53	0.14	0.14	23.015
210.00	0.00	0.076	2.53	0.14	0.14	23.026
211.00	0.00	0.065	2.52	0.14	0.14	23.038

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 34

Hydrograph for Pond 3P: Pond 4 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Outflow-Volume (acre-feet)
212.00	0.00	0.053	2.52	0.14	0.14	23.049
213.00	0.00	0.042	2.52	0.14	0.14	23.061
214.00	0.00	0.030	2.51	0.14	0.14	23.072
215.00	0.00	0.019	2.51	0.14	0.14	23.084
216.00	0.00	0.008	2.50	0.14	0.14	23.095
217.00	0.00	0.000	2.50	0.00	0.00	23.100
218.00	0.00	0.000	2.50	0.00	0.00	23.100
219.00	0.00	0.000	2.50	0.00	0.00	23.100
220.00	0.00	0.000	2.50	0.00	0.00	23.100
221.00	0.00	0.000	2.50	0.00	0.00	23.100
222.00	0.00	0.000	2.50	0.00	0.00	23.100
223.00	0.00	0.000	2.50	0.00	0.00	23.100
224.00	0.00	0.000	2.50	0.00	0.00	23.100
225.00	0.00	0.000	2.50	0.00	0.00	23.100
226.00	0.00	0.000	2.50	0.00	0.00	23.100
227.00	0.00	0.000	2.50	0.00	0.00	23.100
228.00	0.00	0.000	2.50	0.00	0.00	23.100
229.00	0.00	0.000	2.50	0.00	0.00	23.100
230.00	0.00	0.000	2.50	0.00	0.00	23.100
231.00	0.00	0.000	2.50	0.00	0.00	23.100
232.00	0.00	0.000	2.50	0.00	0.00	23.100
233.00	0.00	0.000	2.50	0.00	0.00	23.100
234.00	0.00	0.000	2.50	0.00	0.00	23.100
235.00	0.00	0.000	2.50	0.00	0.00	23.100
236.00	0.00	0.000	2.50	0.00	0.00	23.100
237.00	0.00	0.000	2.50	0.00	0.00	23.100
238.00	0.00	0.000	2.50	0.00	0.00	23.100
239.00	0.00	0.000	2.50	0.00	0.00	23.100
240.00	0.00	0.000	2.50	0.00	0.00	23.100
241.00	0.00	0.000	2.50	0.00	0.00	23.100
242.00	0.00	0.000	2.50	0.00	0.00	23.100
243.00	0.00	0.000	2.50	0.00	0.00	23.100
244.00	0.00	0.000	2.50	0.00	0.00	23.100
245.00	0.00	0.000	2.50	0.00	0.00	23.100
246.00	0.00	0.000	2.50	0.00	0.00	23.100
247.00	0.00	0.000	2.50	0.00	0.00	23.100
248.00	0.00	0.000	2.50	0.00	0.00	23.100
249.00	0.00	0.000	2.50	0.00	0.00	23.100
250.00	0.00	0.000	2.50	0.00	0.00	23.100
251.00	0.00	0.000	2.50	0.00	0.00	23.100
252.00	0.00	0.000	2.50	0.00	0.00	23.100
253.00	0.00	0.000	2.50	0.00	0.00	23.100
254.00	0.00	0.000	2.50	0.00	0.00	23.100
255.00	0.00	0.000	2.50	0.00	0.00	23.100
256.00	0.00	0.000	2.50	0.00	0.00	23.100
257.00	0.00	0.000	2.50	0.00	0.00	23.100
258.00	0.00	0.000	2.50	0.00	0.00	23.100
259.00	0.00	0.000	2.50	0.00	0.00	23.100
260.00	0.00	0.000	2.50	0.00	0.00	23.100
261.00	0.00	0.000	2.50	0.00	0.00	23.100
262.00	0.00	0.000	2.50	0.00	0.00	23.100
263.00	0.00	0.000	2.50	0.00	0.00	23.100
264.00	0.00	0.000	2.50	0.00	0.00	23.100

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 35

Hydrograph for Pond 3P: Pond 4 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Outflow-Volume (acre-feet)
265.00	0.00	0.000	2.50	0.00	0.00	23.100
266.00	0.00	0.000	2.50	0.00	0.00	23.100
267.00	0.00	0.000	2.50	0.00	0.00	23.100
268.00	0.00	0.000	2.50	0.00	0.00	23.100
269.00	0.00	0.000	2.50	0.00	0.00	23.100
270.00	0.00	0.000	2.50	0.00	0.00	23.100
271.00	0.00	0.000	2.50	0.00	0.00	23.100
272.00	0.00	0.000	2.50	0.00	0.00	23.100
273.00	0.00	0.000	2.50	0.00	0.00	23.100
274.00	0.00	0.000	2.50	0.00	0.00	23.100
275.00	0.00	0.000	2.50	0.00	0.00	23.100
276.00	0.00	0.000	2.50	0.00	0.00	23.100
277.00	0.00	0.000	2.50	0.00	0.00	23.100
278.00	0.00	0.000	2.50	0.00	0.00	23.100
279.00	0.00	0.000	2.50	0.00	0.00	23.100
280.00	0.00	0.000	2.50	0.00	0.00	23.100
281.00	0.00	0.000	2.50	0.00	0.00	23.100
282.00	0.00	0.000	2.50	0.00	0.00	23.100
283.00	0.00	0.000	2.50	0.00	0.00	23.100
284.00	0.00	0.000	2.50	0.00	0.00	23.100
285.00	0.00	0.000	2.50	0.00	0.00	23.100
286.00	0.00	0.000	2.50	0.00	0.00	23.100
287.00	0.00	0.000	2.50	0.00	0.00	23.100
288.00	0.00	0.000	2.50	0.00	0.00	23.100
289.00	0.00	0.000	2.50	0.00	0.00	23.100
290.00	0.00	0.000	2.50	0.00	0.00	23.100
291.00	0.00	0.000	2.50	0.00	0.00	23.100
292.00	0.00	0.000	2.50	0.00	0.00	23.100
293.00	0.00	0.000	2.50	0.00	0.00	23.100
294.00	0.00	0.000	2.50	0.00	0.00	23.100
295.00	0.00	0.000	2.50	0.00	0.00	23.100
296.00	0.00	0.000	2.50	0.00	0.00	23.100
297.00	0.00	0.000	2.50	0.00	0.00	23.100
298.00	0.00	0.000	2.50	0.00	0.00	23.100
299.00	0.00	0.000	2.50	0.00	0.00	23.100
300.00	0.00	0.000	2.50	0.00	0.00	23.100

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 36

Stage-Discharge for Pond 3P: Pond 4

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
2.50	0.00	3.03	0.20	3.56	23.61
2.51	0.14	3.04	0.21	3.57	24.77
2.52	0.14	3.05	0.21	3.58	25.94
2.53	0.14	3.06	0.21	3.59	27.13
2.54	0.14	3.07	0.21	3.60	28.34
2.55	0.14	3.08	0.21	3.61	29.57
2.56	0.15	3.09	0.21	3.62	30.82
2.57	0.15	3.10	0.21	3.63	32.08
2.58	0.15	3.11	0.21	3.64	33.37
2.59	0.15	3.12	0.21	3.65	34.67
2.60	0.15	3.13	0.21	3.66	35.99
2.61	0.15	3.14	0.22	3.67	37.32
2.62	0.15	3.15	0.22	3.68	38.68
2.63	0.16	3.16	0.22	3.69	40.05
2.64	0.16	3.17	0.22	3.70	41.43
2.65	0.16	3.18	0.22	3.71	42.84
2.66	0.16	3.19	0.22	3.72	44.26
2.67	0.16	3.20	0.22	3.73	45.70
2.68	0.16	3.21	0.22	3.74	47.15
2.69	0.16	3.22	0.22	3.75	48.62
2.70	0.16	3.23	0.22	3.76	50.11
2.71	0.17	3.24	0.23	3.77	51.61
2.72	0.17	3.25	0.23	3.78	53.12
2.73	0.17	3.26	0.36	3.79	54.66
2.74	0.17	3.27	0.61	3.80	56.21
2.75	0.17	3.28	0.93	3.81	57.77
2.76	0.17	3.29	1.31	3.82	59.35
2.77	0.17	3.30	1.74	3.83	60.95
2.78	0.18	3.31	2.21	3.84	62.56
2.79	0.18	3.32	2.72	3.85	64.18
2.80	0.18	3.33	3.28	3.86	65.91
2.81	0.18	3.34	3.87	3.87	67.65
2.82	0.18	3.35	4.49	3.88	69.41
2.83	0.18	3.36	5.14	3.89	71.19
2.84	0.18	3.37	5.83	3.90	72.99
2.85	0.18	3.38	6.54	3.91	74.81
2.86	0.19	3.39	7.29	3.92	76.65
2.87	0.19	3.40	8.05	3.93	78.51
2.88	0.19	3.41	8.85	3.94	80.38
2.89	0.19	3.42	9.67	3.95	82.28
2.90	0.19	3.43	10.52	3.96	84.19
2.91	0.19	3.44	11.38	3.97	86.13
2.92	0.19	3.45	12.28	3.98	88.08
2.93	0.19	3.46	13.20	3.99	90.05
2.94	0.19	3.47	14.14	4.00	92.04
2.95	0.20	3.48	15.11		
2.96	0.20	3.49	16.10		
2.97	0.20	3.50	17.11		
2.98	0.20	3.51	18.14		
2.99	0.20	3.52	19.20		
3.00	0.20	3.53	20.27		
3.01	0.20	3.54	21.36		
3.02	0.20	3.55	22.48		

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 37

Stage-Area-Storage for Pond 3P: Pond 4

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
2.50	0.000	3.03	1.468	3.56	3.020
2.51	0.028	3.04	1.497	3.57	3.050
2.52	0.055	3.05	1.526	3.58	3.080
2.53	0.083	3.06	1.555	3.59	3.110
2.54	0.110	3.07	1.584	3.60	3.140
2.55	0.138	3.08	1.614	3.61	3.170
2.56	0.166	3.09	1.643	3.62	3.200
2.57	0.193	3.10	1.672	3.63	3.230
2.58	0.221	3.11	1.701	3.64	3.260
2.59	0.248	3.12	1.730	3.65	3.290
2.60	0.276	3.13	1.760	3.66	3.320
2.61	0.304	3.14	1.789	3.67	3.350
2.62	0.331	3.15	1.818	3.68	3.380
2.63	0.359	3.16	1.847	3.69	3.410
2.64	0.386	3.17	1.876	3.70	3.440
2.65	0.414	3.18	1.906	3.71	3.470
2.66	0.442	3.19	1.935	3.72	3.500
2.67	0.469	3.20	1.964	3.73	3.530
2.68	0.497	3.21	1.993	3.74	3.560
2.69	0.524	3.22	2.022	3.75	3.590
2.70	0.552	3.23	2.052	3.76	3.620
2.71	0.580	3.24	2.081	3.77	3.650
2.72	0.607	3.25	2.110	3.78	3.680
2.73	0.635	3.26	2.139	3.79	3.710
2.74	0.662	3.27	2.168	3.80	3.740
2.75	0.690	3.28	2.198	3.81	3.770
2.76	0.718	3.29	2.227	3.82	3.800
2.77	0.745	3.30	2.256	3.83	3.830
2.78	0.773	3.31	2.285	3.84	3.860
2.79	0.800	3.32	2.314	3.85	3.890
2.80	0.828	3.33	2.344	3.86	3.920
2.81	0.856	3.34	2.373	3.87	3.950
2.82	0.883	3.35	2.402	3.88	3.980
2.83	0.911	3.36	2.431	3.89	4.010
2.84	0.938	3.37	2.460	3.90	4.040
2.85	0.966	3.38	2.490	3.91	4.070
2.86	0.994	3.39	2.519	3.92	4.100
2.87	1.021	3.40	2.548	3.93	4.130
2.88	1.049	3.41	2.577	3.94	4.160
2.89	1.076	3.42	2.606	3.95	4.190
2.90	1.104	3.43	2.636	3.96	4.220
2.91	1.132	3.44	2.665	3.97	4.250
2.92	1.159	3.45	2.694	3.98	4.280
2.93	1.187	3.46	2.723	3.99	4.310
2.94	1.214	3.47	2.752	4.00	4.340
2.95	1.242	3.48	2.782		
2.96	1.270	3.49	2.811		
2.97	1.297	3.50	2.840		
2.98	1.325	3.51	2.870		
2.99	1.352	3.52	2.900		
3.00	1.380	3.53	2.930		
3.01	1.409	3.54	2.960		
3.02	1.438	3.55	2.990		

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

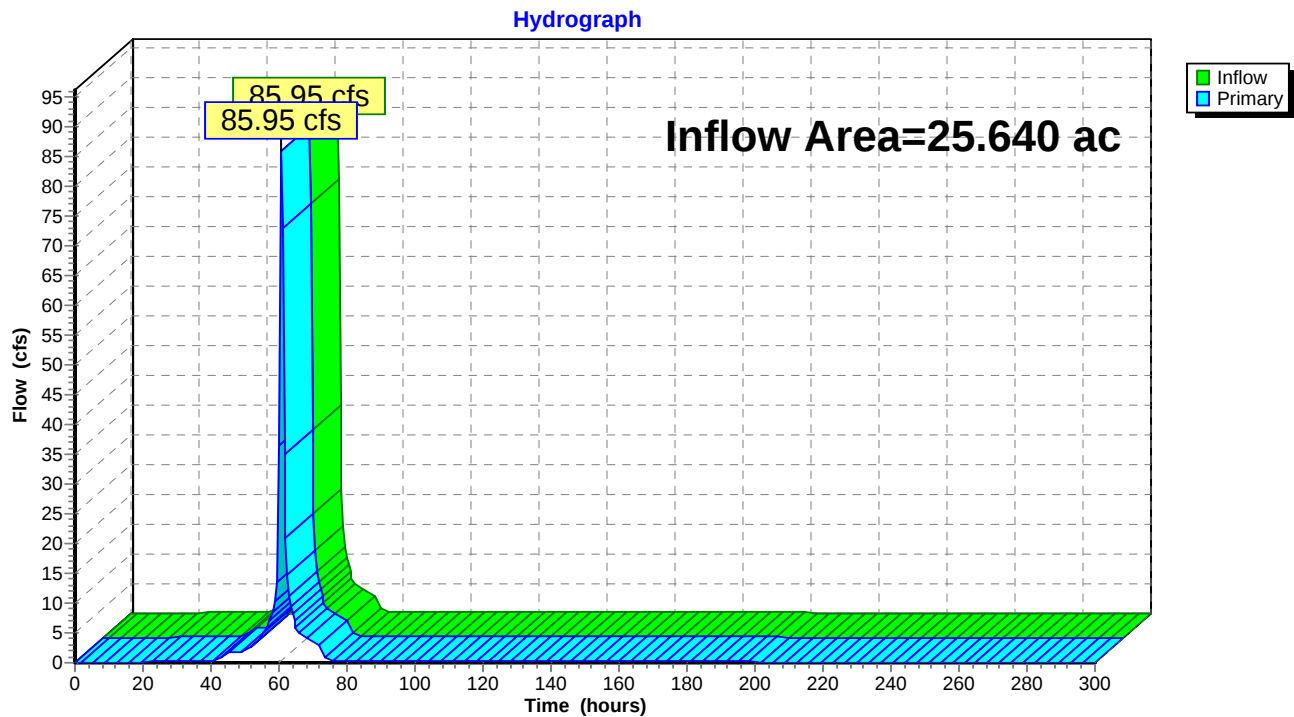
Page 38

Summary for Link 6L: Plant Cooling Water Discharge Canal

Inflow Area = 25.640 ac, 22.89% Impervious, Inflow Depth = 10.81" for 25YR-72HR event
Inflow = 85.95 cfs @ 60.66 hrs, Volume= 23.100 af
Primary = 85.95 cfs @ 60.66 hrs, Volume= 23.100 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-300.00 hrs, dt= 0.50 hrs

Link 6L: Plant Cooling Water Discharge Canal



Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 39

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	26.50	0.16	0.00	0.16
0.50	0.00	0.00	0.00	27.00	0.16	0.00	0.16
1.00	0.00	0.00	0.00	27.50	0.17	0.00	0.17
1.50	0.00	0.00	0.00	28.00	0.17	0.00	0.17
2.00	0.00	0.00	0.00	28.50	0.17	0.00	0.17
2.50	0.00	0.00	0.00	29.00	0.17	0.00	0.17
3.00	0.00	0.00	0.00	29.50	0.17	0.00	0.17
3.50	0.00	0.00	0.00	30.00	0.18	0.00	0.18
4.00	0.00	0.00	0.00	30.50	0.18	0.00	0.18
4.50	0.00	0.00	0.00	31.00	0.18	0.00	0.18
5.00	0.00	0.00	0.00	31.50	0.18	0.00	0.18
5.50	0.00	0.00	0.00	32.00	0.19	0.00	0.19
6.00	0.00	0.00	0.00	32.50	0.19	0.00	0.19
6.50	0.00	0.00	0.00	33.00	0.19	0.00	0.19
7.00	0.00	0.00	0.00	33.50	0.19	0.00	0.19
7.50	0.01	0.00	0.01	34.00	0.19	0.00	0.19
8.00	0.02	0.00	0.02	34.50	0.20	0.00	0.20
8.50	0.03	0.00	0.03	35.00	0.20	0.00	0.20
9.00	0.05	0.00	0.05	35.50	0.20	0.00	0.20
9.50	0.07	0.00	0.07	36.00	0.20	0.00	0.20
10.00	0.10	0.00	0.10	36.50	0.20	0.00	0.20
10.50	0.12	0.00	0.12	37.00	0.21	0.00	0.21
11.00	0.14	0.00	0.14	37.50	0.21	0.00	0.21
11.50	0.14	0.00	0.14	38.00	0.21	0.00	0.21
12.00	0.14	0.00	0.14	38.50	0.21	0.00	0.21
12.50	0.14	0.00	0.14	39.00	0.21	0.00	0.21
13.00	0.14	0.00	0.14	39.50	0.22	0.00	0.22
13.50	0.14	0.00	0.14	40.00	0.22	0.00	0.22
14.00	0.14	0.00	0.14	40.50	0.22	0.00	0.22
14.50	0.14	0.00	0.14	41.00	0.22	0.00	0.22
15.00	0.14	0.00	0.14	41.50	0.22	0.00	0.22
15.50	0.14	0.00	0.14	42.00	0.23	0.00	0.23
16.00	0.14	0.00	0.14	42.50	0.55	0.00	0.55
16.50	0.14	0.00	0.14	43.00	0.96	0.00	0.96
17.00	0.14	0.00	0.14	43.50	1.27	0.00	1.27
17.50	0.14	0.00	0.14	44.00	1.46	0.00	1.46
18.00	0.14	0.00	0.14	44.50	1.58	0.00	1.58
18.50	0.14	0.00	0.14	45.00	1.64	0.00	1.64
19.00	0.14	0.00	0.14	45.50	1.68	0.00	1.68
19.50	0.14	0.00	0.14	46.00	1.71	0.00	1.71
20.00	0.15	0.00	0.15	46.50	1.73	0.00	1.73
20.50	0.15	0.00	0.15	47.00	1.74	0.00	1.74
21.00	0.15	0.00	0.15	47.50	1.75	0.00	1.75
21.50	0.15	0.00	0.15	48.00	1.76	0.00	1.76
22.00	0.15	0.00	0.15	48.50	1.83	0.00	1.83
22.50	0.15	0.00	0.15	49.00	1.93	0.00	1.93
23.00	0.15	0.00	0.15	49.50	1.99	0.00	1.99
23.50	0.15	0.00	0.15	50.00	2.02	0.00	2.02
24.00	0.15	0.00	0.15	50.50	2.09	0.00	2.09
24.50	0.16	0.00	0.16	51.00	2.20	0.00	2.20
25.00	0.16	0.00	0.16	51.50	2.35	0.00	2.35
25.50	0.16	0.00	0.16	52.00	2.49	0.00	2.49
26.00	0.16	0.00	0.16	52.50	2.67	0.00	2.67

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 40

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)
53.00	2.97	0.00	2.97	79.50	0.22	0.00	0.22
53.50	3.36	0.00	3.36	80.00	0.22	0.00	0.22
54.00	3.77	0.00	3.77	80.50	0.22	0.00	0.22
54.50	4.20	0.00	4.20	81.00	0.22	0.00	0.22
55.00	4.66	0.00	4.66	81.50	0.22	0.00	0.22
55.50	5.16	0.00	5.16	82.00	0.22	0.00	0.22
56.00	5.66	0.00	5.66	82.50	0.22	0.00	0.22
56.50	6.19	0.00	6.19	83.00	0.22	0.00	0.22
57.00	6.82	0.00	6.82	83.50	0.22	0.00	0.22
57.50	7.55	0.00	7.55	84.00	0.22	0.00	0.22
58.00	8.28	0.00	8.28	84.50	0.22	0.00	0.22
58.50	9.05	0.00	9.05	85.00	0.22	0.00	0.22
59.00	10.28	0.00	10.28	85.50	0.22	0.00	0.22
59.50	13.43	0.00	13.43	86.00	0.22	0.00	0.22
60.00	36.53	0.00	36.53	86.50	0.22	0.00	0.22
60.50	83.04	0.00	83.04	87.00	0.22	0.00	0.22
61.00	72.88	0.00	72.88	87.50	0.22	0.00	0.22
61.50	35.13	0.00	35.13	88.00	0.22	0.00	0.22
62.00	21.02	0.00	21.02	88.50	0.22	0.00	0.22
62.50	14.64	0.00	14.64	89.00	0.22	0.00	0.22
63.00	11.27	0.00	11.27	89.50	0.22	0.00	0.22
63.50	9.33	0.00	9.33	90.00	0.22	0.00	0.22
64.00	8.13	0.00	8.13	90.50	0.22	0.00	0.22
64.50	7.07	0.00	7.07	91.00	0.22	0.00	0.22
65.00	5.95	0.00	5.95	91.50	0.22	0.00	0.22
65.50	5.12	0.00	5.12	92.00	0.22	0.00	0.22
66.00	4.73	0.00	4.73	92.50	0.22	0.00	0.22
66.50	4.58	0.00	4.58	93.00	0.22	0.00	0.22
67.00	4.52	0.00	4.52	93.50	0.22	0.00	0.22
67.50	4.53	0.00	4.53	94.00	0.22	0.00	0.22
68.00	4.56	0.00	4.56	94.50	0.22	0.00	0.22
68.50	4.35	0.00	4.35	95.00	0.22	0.00	0.22
69.00	3.87	0.00	3.87	95.50	0.21	0.00	0.21
69.50	3.43	0.00	3.43	96.00	0.21	0.00	0.21
70.00	3.18	0.00	3.18	96.50	0.21	0.00	0.21
70.50	3.07	0.00	3.07	97.00	0.21	0.00	0.21
71.00	3.02	0.00	3.02	97.50	0.21	0.00	0.21
71.50	3.00	0.00	3.00	98.00	0.21	0.00	0.21
72.00	2.99	0.00	2.99	98.50	0.21	0.00	0.21
72.50	2.74	0.00	2.74	99.00	0.21	0.00	0.21
73.00	2.01	0.00	2.01	99.50	0.21	0.00	0.21
73.50	1.22	0.00	1.22	100.00	0.21	0.00	0.21
74.00	0.76	0.00	0.76	100.50	0.21	0.00	0.21
74.50	0.50	0.00	0.50	101.00	0.21	0.00	0.21
75.00	0.36	0.00	0.36	101.50	0.21	0.00	0.21
75.50	0.28	0.00	0.28	102.00	0.21	0.00	0.21
76.00	0.24	0.00	0.24	102.50	0.21	0.00	0.21
76.50	0.23	0.00	0.23	103.00	0.21	0.00	0.21
77.00	0.23	0.00	0.23	103.50	0.21	0.00	0.21
77.50	0.23	0.00	0.23	104.00	0.21	0.00	0.21
78.00	0.23	0.00	0.23	104.50	0.21	0.00	0.21
78.50	0.23	0.00	0.23	105.00	0.21	0.00	0.21
79.00	0.23	0.00	0.23	105.50	0.21	0.00	0.21

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 41

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)
106.00	0.21	0.00	0.21	132.50	0.19	0.00	0.19
106.50	0.21	0.00	0.21	133.00	0.19	0.00	0.19
107.00	0.21	0.00	0.21	133.50	0.19	0.00	0.19
107.50	0.21	0.00	0.21	134.00	0.19	0.00	0.19
108.00	0.21	0.00	0.21	134.50	0.19	0.00	0.19
108.50	0.21	0.00	0.21	135.00	0.19	0.00	0.19
109.00	0.21	0.00	0.21	135.50	0.19	0.00	0.19
109.50	0.21	0.00	0.21	136.00	0.19	0.00	0.19
110.00	0.21	0.00	0.21	136.50	0.19	0.00	0.19
110.50	0.21	0.00	0.21	137.00	0.19	0.00	0.19
111.00	0.21	0.00	0.21	137.50	0.19	0.00	0.19
111.50	0.20	0.00	0.20	138.00	0.19	0.00	0.19
112.00	0.20	0.00	0.20	138.50	0.19	0.00	0.19
112.50	0.20	0.00	0.20	139.00	0.19	0.00	0.19
113.00	0.20	0.00	0.20	139.50	0.19	0.00	0.19
113.50	0.20	0.00	0.20	140.00	0.19	0.00	0.19
114.00	0.20	0.00	0.20	140.50	0.19	0.00	0.19
114.50	0.20	0.00	0.20	141.00	0.19	0.00	0.19
115.00	0.20	0.00	0.20	141.50	0.19	0.00	0.19
115.50	0.20	0.00	0.20	142.00	0.18	0.00	0.18
116.00	0.20	0.00	0.20	142.50	0.18	0.00	0.18
116.50	0.20	0.00	0.20	143.00	0.18	0.00	0.18
117.00	0.20	0.00	0.20	143.50	0.18	0.00	0.18
117.50	0.20	0.00	0.20	144.00	0.18	0.00	0.18
118.00	0.20	0.00	0.20	144.50	0.18	0.00	0.18
118.50	0.20	0.00	0.20	145.00	0.18	0.00	0.18
119.00	0.20	0.00	0.20	145.50	0.18	0.00	0.18
119.50	0.20	0.00	0.20	146.00	0.18	0.00	0.18
120.00	0.20	0.00	0.20	146.50	0.18	0.00	0.18
120.50	0.20	0.00	0.20	147.00	0.18	0.00	0.18
121.00	0.20	0.00	0.20	147.50	0.18	0.00	0.18
121.50	0.20	0.00	0.20	148.00	0.18	0.00	0.18
122.00	0.20	0.00	0.20	148.50	0.18	0.00	0.18
122.50	0.20	0.00	0.20	149.00	0.18	0.00	0.18
123.00	0.20	0.00	0.20	149.50	0.18	0.00	0.18
123.50	0.20	0.00	0.20	150.00	0.18	0.00	0.18
124.00	0.20	0.00	0.20	150.50	0.18	0.00	0.18
124.50	0.20	0.00	0.20	151.00	0.18	0.00	0.18
125.00	0.20	0.00	0.20	151.50	0.18	0.00	0.18
125.50	0.20	0.00	0.20	152.00	0.18	0.00	0.18
126.00	0.20	0.00	0.20	152.50	0.18	0.00	0.18
126.50	0.20	0.00	0.20	153.00	0.18	0.00	0.18
127.00	0.19	0.00	0.19	153.50	0.18	0.00	0.18
127.50	0.19	0.00	0.19	154.00	0.18	0.00	0.18
128.00	0.19	0.00	0.19	154.50	0.18	0.00	0.18
128.50	0.19	0.00	0.19	155.00	0.18	0.00	0.18
129.00	0.19	0.00	0.19	155.50	0.18	0.00	0.18
129.50	0.19	0.00	0.19	156.00	0.18	0.00	0.18
130.00	0.19	0.00	0.19	156.50	0.18	0.00	0.18
130.50	0.19	0.00	0.19	157.00	0.18	0.00	0.18
131.00	0.19	0.00	0.19	157.50	0.17	0.00	0.17
131.50	0.19	0.00	0.19	158.00	0.17	0.00	0.17
132.00	0.19	0.00	0.19	158.50	0.17	0.00	0.17

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 42

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)
159.00	0.17	0.00	0.17	185.50	0.16	0.00	0.16
159.50	0.17	0.00	0.17	186.00	0.16	0.00	0.16
160.00	0.17	0.00	0.17	186.50	0.16	0.00	0.16
160.50	0.17	0.00	0.17	187.00	0.16	0.00	0.16
161.00	0.17	0.00	0.17	187.50	0.15	0.00	0.15
161.50	0.17	0.00	0.17	188.00	0.15	0.00	0.15
162.00	0.17	0.00	0.17	188.50	0.15	0.00	0.15
162.50	0.17	0.00	0.17	189.00	0.15	0.00	0.15
163.00	0.17	0.00	0.17	189.50	0.15	0.00	0.15
163.50	0.17	0.00	0.17	190.00	0.15	0.00	0.15
164.00	0.17	0.00	0.17	190.50	0.15	0.00	0.15
164.50	0.17	0.00	0.17	191.00	0.15	0.00	0.15
165.00	0.17	0.00	0.17	191.50	0.15	0.00	0.15
165.50	0.17	0.00	0.17	192.00	0.15	0.00	0.15
166.00	0.17	0.00	0.17	192.50	0.15	0.00	0.15
166.50	0.17	0.00	0.17	193.00	0.15	0.00	0.15
167.00	0.17	0.00	0.17	193.50	0.15	0.00	0.15
167.50	0.17	0.00	0.17	194.00	0.15	0.00	0.15
168.00	0.17	0.00	0.17	194.50	0.15	0.00	0.15
168.50	0.17	0.00	0.17	195.00	0.15	0.00	0.15
169.00	0.17	0.00	0.17	195.50	0.15	0.00	0.15
169.50	0.17	0.00	0.17	196.00	0.15	0.00	0.15
170.00	0.17	0.00	0.17	196.50	0.15	0.00	0.15
170.50	0.17	0.00	0.17	197.00	0.15	0.00	0.15
171.00	0.17	0.00	0.17	197.50	0.15	0.00	0.15
171.50	0.17	0.00	0.17	198.00	0.15	0.00	0.15
172.00	0.17	0.00	0.17	198.50	0.15	0.00	0.15
172.50	0.16	0.00	0.16	199.00	0.15	0.00	0.15
173.00	0.16	0.00	0.16	199.50	0.15	0.00	0.15
173.50	0.16	0.00	0.16	200.00	0.15	0.00	0.15
174.00	0.16	0.00	0.16	200.50	0.15	0.00	0.15
174.50	0.16	0.00	0.16	201.00	0.15	0.00	0.15
175.00	0.16	0.00	0.16	201.50	0.15	0.00	0.15
175.50	0.16	0.00	0.16	202.00	0.15	0.00	0.15
176.00	0.16	0.00	0.16	202.50	0.14	0.00	0.14
176.50	0.16	0.00	0.16	203.00	0.14	0.00	0.14
177.00	0.16	0.00	0.16	203.50	0.14	0.00	0.14
177.50	0.16	0.00	0.16	204.00	0.14	0.00	0.14
178.00	0.16	0.00	0.16	204.50	0.14	0.00	0.14
178.50	0.16	0.00	0.16	205.00	0.14	0.00	0.14
179.00	0.16	0.00	0.16	205.50	0.14	0.00	0.14
179.50	0.16	0.00	0.16	206.00	0.14	0.00	0.14
180.00	0.16	0.00	0.16	206.50	0.14	0.00	0.14
180.50	0.16	0.00	0.16	207.00	0.14	0.00	0.14
181.00	0.16	0.00	0.16	207.50	0.14	0.00	0.14
181.50	0.16	0.00	0.16	208.00	0.14	0.00	0.14
182.00	0.16	0.00	0.16	208.50	0.14	0.00	0.14
182.50	0.16	0.00	0.16	209.00	0.14	0.00	0.14
183.00	0.16	0.00	0.16	209.50	0.14	0.00	0.14
183.50	0.16	0.00	0.16	210.00	0.14	0.00	0.14
184.00	0.16	0.00	0.16	210.50	0.14	0.00	0.14
184.50	0.16	0.00	0.16	211.00	0.14	0.00	0.14
185.00	0.16	0.00	0.16	211.50	0.14	0.00	0.14

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 43

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)
212.00	0.14	0.00	0.14	238.50	0.00	0.00	0.00
212.50	0.14	0.00	0.14	239.00	0.00	0.00	0.00
213.00	0.14	0.00	0.14	239.50	0.00	0.00	0.00
213.50	0.14	0.00	0.14	240.00	0.00	0.00	0.00
214.00	0.14	0.00	0.14	240.50	0.00	0.00	0.00
214.50	0.14	0.00	0.14	241.00	0.00	0.00	0.00
215.00	0.14	0.00	0.14	241.50	0.00	0.00	0.00
215.50	0.14	0.00	0.14	242.00	0.00	0.00	0.00
216.00	0.14	0.00	0.14	242.50	0.00	0.00	0.00
216.50	0.14	0.00	0.14	243.00	0.00	0.00	0.00
217.00	0.00	0.00	0.00	243.50	0.00	0.00	0.00
217.50	0.00	0.00	0.00	244.00	0.00	0.00	0.00
218.00	0.00	0.00	0.00	244.50	0.00	0.00	0.00
218.50	0.00	0.00	0.00	245.00	0.00	0.00	0.00
219.00	0.00	0.00	0.00	245.50	0.00	0.00	0.00
219.50	0.00	0.00	0.00	246.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	246.50	0.00	0.00	0.00
220.50	0.00	0.00	0.00	247.00	0.00	0.00	0.00
221.00	0.00	0.00	0.00	247.50	0.00	0.00	0.00
221.50	0.00	0.00	0.00	248.00	0.00	0.00	0.00
222.00	0.00	0.00	0.00	248.50	0.00	0.00	0.00
222.50	0.00	0.00	0.00	249.00	0.00	0.00	0.00
223.00	0.00	0.00	0.00	249.50	0.00	0.00	0.00
223.50	0.00	0.00	0.00	250.00	0.00	0.00	0.00
224.00	0.00	0.00	0.00	250.50	0.00	0.00	0.00
224.50	0.00	0.00	0.00	251.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	251.50	0.00	0.00	0.00
225.50	0.00	0.00	0.00	252.00	0.00	0.00	0.00
226.00	0.00	0.00	0.00	252.50	0.00	0.00	0.00
226.50	0.00	0.00	0.00	253.00	0.00	0.00	0.00
227.00	0.00	0.00	0.00	253.50	0.00	0.00	0.00
227.50	0.00	0.00	0.00	254.00	0.00	0.00	0.00
228.00	0.00	0.00	0.00	254.50	0.00	0.00	0.00
228.50	0.00	0.00	0.00	255.00	0.00	0.00	0.00
229.00	0.00	0.00	0.00	255.50	0.00	0.00	0.00
229.50	0.00	0.00	0.00	256.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	256.50	0.00	0.00	0.00
230.50	0.00	0.00	0.00	257.00	0.00	0.00	0.00
231.00	0.00	0.00	0.00	257.50	0.00	0.00	0.00
231.50	0.00	0.00	0.00	258.00	0.00	0.00	0.00
232.00	0.00	0.00	0.00	258.50	0.00	0.00	0.00
232.50	0.00	0.00	0.00	259.00	0.00	0.00	0.00
233.00	0.00	0.00	0.00	259.50	0.00	0.00	0.00
233.50	0.00	0.00	0.00	260.00	0.00	0.00	0.00
234.00	0.00	0.00	0.00	260.50	0.00	0.00	0.00
234.50	0.00	0.00	0.00	261.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	261.50	0.00	0.00	0.00
235.50	0.00	0.00	0.00	262.00	0.00	0.00	0.00
236.00	0.00	0.00	0.00	262.50	0.00	0.00	0.00
236.50	0.00	0.00	0.00	263.00	0.00	0.00	0.00
237.00	0.00	0.00	0.00	263.50	0.00	0.00	0.00
237.50	0.00	0.00	0.00	264.00	0.00	0.00	0.00
238.00	0.00	0.00	0.00	264.50	0.00	0.00	0.00

Construction and Maintenance Use Area

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

Prepared by Black & Veatch

Printed 6/26/2017

HydroCAD® 10.00-14 s/n 05108 © 2015 HydroCAD Software Solutions LLC

Page 44

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)
265.00	0.00	0.00	0.00	291.50	0.00	0.00	0.00
265.50	0.00	0.00	0.00	292.00	0.00	0.00	0.00
266.00	0.00	0.00	0.00	292.50	0.00	0.00	0.00
266.50	0.00	0.00	0.00	293.00	0.00	0.00	0.00
267.00	0.00	0.00	0.00	293.50	0.00	0.00	0.00
267.50	0.00	0.00	0.00	294.00	0.00	0.00	0.00
268.00	0.00	0.00	0.00	294.50	0.00	0.00	0.00
268.50	0.00	0.00	0.00	295.00	0.00	0.00	0.00
269.00	0.00	0.00	0.00	295.50	0.00	0.00	0.00
269.50	0.00	0.00	0.00	296.00	0.00	0.00	0.00
270.00	0.00	0.00	0.00	296.50	0.00	0.00	0.00
270.50	0.00	0.00	0.00	297.00	0.00	0.00	0.00
271.00	0.00	0.00	0.00	297.50	0.00	0.00	0.00
271.50	0.00	0.00	0.00	298.00	0.00	0.00	0.00
272.00	0.00	0.00	0.00	298.50	0.00	0.00	0.00
272.50	0.00	0.00	0.00	299.00	0.00	0.00	0.00
273.00	0.00	0.00	0.00	299.50	0.00	0.00	0.00
273.50	0.00	0.00	0.00	300.00	0.00	0.00	0.00
274.00	0.00	0.00	0.00				
274.50	0.00	0.00	0.00				
275.00	0.00	0.00	0.00				
275.50	0.00	0.00	0.00				
276.00	0.00	0.00	0.00				
276.50	0.00	0.00	0.00				
277.00	0.00	0.00	0.00				
277.50	0.00	0.00	0.00				
278.00	0.00	0.00	0.00				
278.50	0.00	0.00	0.00				
279.00	0.00	0.00	0.00				
279.50	0.00	0.00	0.00				
280.00	0.00	0.00	0.00				
280.50	0.00	0.00	0.00				
281.00	0.00	0.00	0.00				
281.50	0.00	0.00	0.00				
282.00	0.00	0.00	0.00				
282.50	0.00	0.00	0.00				
283.00	0.00	0.00	0.00				
283.50	0.00	0.00	0.00				
284.00	0.00	0.00	0.00				
284.50	0.00	0.00	0.00				
285.00	0.00	0.00	0.00				
285.50	0.00	0.00	0.00				
286.00	0.00	0.00	0.00				
286.50	0.00	0.00	0.00				
287.00	0.00	0.00	0.00				
287.50	0.00	0.00	0.00				
288.00	0.00	0.00	0.00				
288.50	0.00	0.00	0.00				
289.00	0.00	0.00	0.00				
289.50	0.00	0.00	0.00				
290.00	0.00	0.00	0.00				
290.50	0.00	0.00	0.00				
291.00	0.00	0.00	0.00				