

1600 S FEDERAL HIGHWAY (MIXED-USE)

FES #24-1832.00

Drainage Calculations Summary:

This project is 2.35 acres redevelopment project. The site is currently an office building with surface parking. The proposed development is to keep the existing office building and add a high-rise residential building with structured parking.

The site is located at 1600 S Federal Highway, Pompano Beach, FL
(East Side of Federal Highway just South of McNab Road)

The control water elevation for this site is 2.50' NAVD.

Water quality required (0.35 ac-ft) will be provided in 1,020 LF exfiltration trench.

Water quantity will be provided in (1) on-site drainage wells each with 300gpm/ft of discharge starting at elevation 5.50NAVD. (2) provisional wells have been provided if the total required capacity of 300gpm/ft is not met with the first well.

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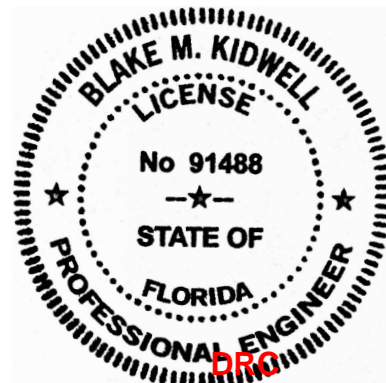
No dewatering is anticipated for the site improvements. An irrigation well is proposed for the site's irrigation.

	<u>Post Development</u>	<u>Pre Development</u>
100-yr - 3 day	6.47' NAVD	6.50' NAVD
(Minimum FFE=8.40 NAVD or Flood Proofed to 8.40 NAVD)		

25-yr - 3 day	6.17' NAVD	6.19' NAVD
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This document has been digitally
signed and sealed by
Blake M. Kidwell on 01/27/2025.

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considered signed and sealed.



1600 S FEDERAL HIGHWAY (MIXED-USE)

FES Project No. 24-1832.00

I. GENERAL INFORMATION

Overall Site Analysis

PROPOSED LAND USAGE

A. TOTAL ACREAGE =	102,519 SF =	2.35 AC	
B. BUILDING COVERAGE =	16,948 SF =	0.39 AC	17%
C. TOTAL ASPHALT & WALKS =	59,215 SF =	1.36 AC	58%
D. TOTAL IMPERVIOUS =	76,163 SF =	1.75 AC	74%
E. % WATER QUALITY IMPERVIOUS =			69%
F. PERVIOUS AREA =	26,356 SF=	0.61 AC	26%
			100%

EXISTING LAND USAGE

A. TOTAL ACREAGE =	102,519 SF =	2.35 AC	
B. BUILDING COVERAGE =	6,421 SF =	0.15 AC	6%
C. TOTAL ASPHALT & WALKS =	86,995 SF =	2.00 AC	85%
D. TOTAL IMPERVIOUS =	93,416 SF =	2.14 AC	91%
E. % WATER QUALITY IMPERVIOUS =			91%
F. PERVIOUS AREA =	9,103 SF=	0.21 AC	9%
			100%

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II. WATER QUALITY CRITERIA

A. COMPUTE FIRST INCH OF RUNOFF FROM TOTAL SITE

1"/12 Total Acreage = 0.20 AC-FT= 2.35 AC-IN

B. COMPUTE 2.5 TIMES THE % OF "WATER QUALITY" IMPERVIOUS

2.5" x % Imperv. = 0.34 AC-FT= 4.07 AC-IN

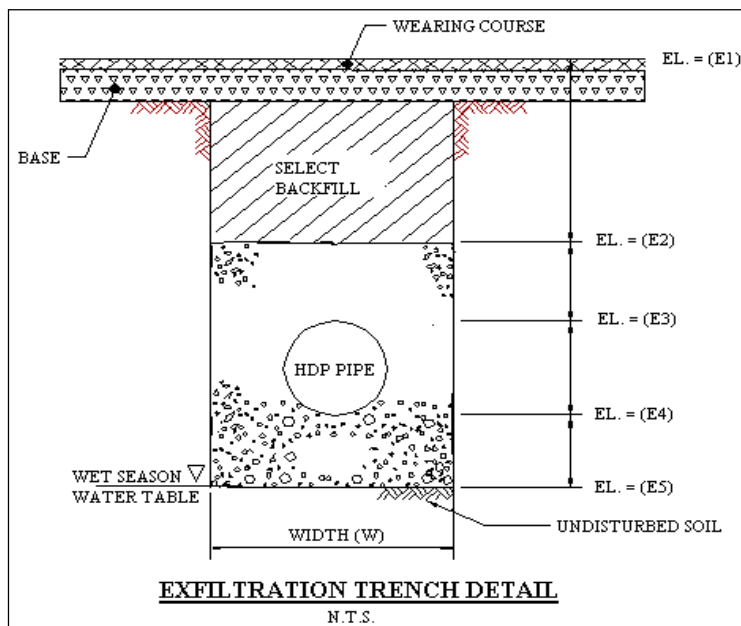
III. WATER QUANTITY CRITERIA

A. COMPUTE 3.2 INCHES OF RUNOFF FROM TOTAL SITE

3.2"/12 Total Acreage = 0.63 AC-FT= 7.53 AC-IN

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E1 =	4.25	ft. NAVD	$k_1 = 5.00E-04$	cfs / ft ² - ft. head (Hydraulic Conductivity)
E2 =	4.25	ft. NAVD	$k_2 = 5.00E-04$	cfs / ft ² - ft. head (Hydraulic Conductivity)
E3 =	3.75	ft. NAVD	$K = (k_1 + k_2) / 2$	= 5.00E-04 cfs / ft ² - ft. head
E4 =	2.50	ft. NAVD		
E5 =	0.75	ft. NAVD		
Water Table =	2.50	ft. NAVD		
Width (W) =	7.00	ft.		

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L =	410	lineal feet of trench provided		
K =	5.00E-04	cfs / ft ² - ft. head (Hydraulic Conductivity)		
D _U =	1.75	ft. (Non-Saturated Trench Depth)	D _U =	E2 - (The Shallower of Water Table or E5)
D _S =	1.75	ft. (Saturated Trench Depth)	D _S =	(The Shallower of Water Table or E5) - E5
H ₂ =	1.75	ft. (Depth to water table)	H ₂ =	E1 - (The Shallower of Water Table or E5)
W =	7.00	ft. (Width of Trench)		
V _{wq} =	4.25	ac-in (Volume to be treated for water quality)		
%WQ =	0.50			
FS =	2.00			

$$L_{wq} = \frac{FS[(\%WQ)(V_{wq})]}{K(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (0.000139)WD_U} = \frac{4.25}{0.0107 + 0.0017} = 342 \text{ LF}$$

L_{wq} = 342 lineal feet of trench required for water quality

V _{total} = V _{wq} + V _{qn}	=	7.53	ac-in (Total Volume required to be treated for water quantity)
V _{qn} = V _{total} - V _{wq}	=	3.28	ac-in (Volume to be treated in addition to water quality for water quantity)

$$L_{qn} = \frac{FS[(\%WQ)(V_{wq}) + V_{qn}]}{K(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (0.000139)WD_U} = \frac{10.81}{0.0107 + 0.0017} = 870 \text{ LF}$$

L_{qn} = 870 lineal feet of trench required for water quantity

$$V_{add} = \frac{[L \times (K(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (0.000139)WD_U)] - V_{wq}}{FS} = \frac{[410 \times (0.0107 + 0.0017)] - 4.25}{2.00}$$

V_{add} = 0.42 ac-in (Volume provided in addition to V_{wq})

V = V _{wq} + V _{add}	=	4.67	acre-inches treated (Total Volume treated)
	=	0.389	acre-feet treated

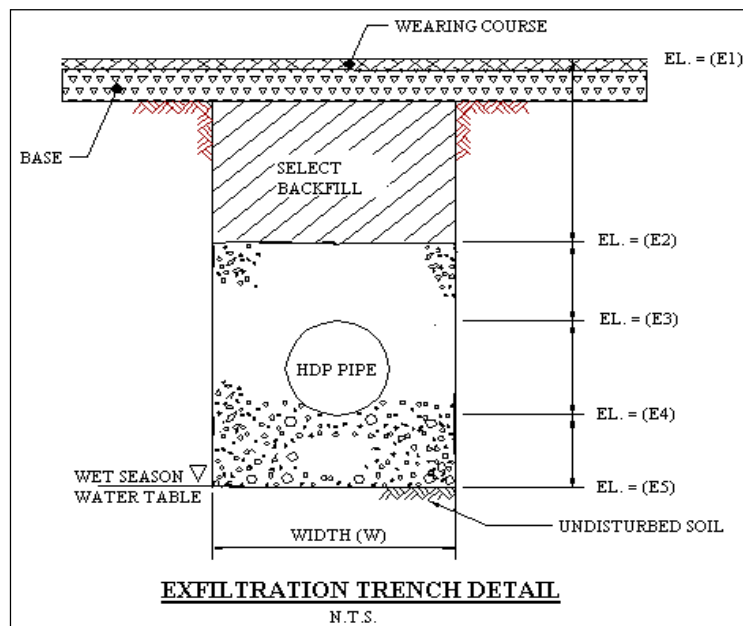
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E1 =	4.25	ft. NAVD	$k_1 = 5.00E-04$	cfs / ft ² - ft. head (Hydraulic Conductivity)
E2 =	3.25	ft. NAVD	$k_2 = 5.00E-04$	cfs / ft ² - ft. head (Hydraulic Conductivity)
E3 =	2.25	ft. NAVD	$K = (k_1 + k_2) / 2$	= 5.00E-04 cfs / ft ² - ft. head
E4 =	1.00	ft. NAVD		
E5 =	-1.75	ft. NAVD		
Water Table =	2.50	ft. NAVD		
Width (W) =	10.00	ft.		

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L =	610	lineal feet of trench provided		
K =	5.00E-04	cfs / ft ² - ft. head (Hydraulic Conductivity)		
D _U =	0.75	ft. (Non-Saturated Trench Depth)	D _U =	E2 - (The Shallower of Water Table or E5)
D _S =	4.25	ft. (Saturated Trench Depth)	D _S =	(The Shallower of Water Table or E5) - E5
H ₂ =	1.75	ft. (Depth to water table)	H ₂ =	E1 - (The Shallower of Water Table or E5)
W =	10.00	ft. (Width of Trench)		
V _{wq} =	0.00	ac-in (Volume to be treated for water quality)		
%WQ =	0.50			
FS =	2.00			

$$L_{wq} = \frac{FS[(\%WQ)(V_{wq})]}{K(2H_2D_U - D_U^2 + 2H_2D_S) + (0.000139)WD_U} = \frac{0.00}{0.0085 + 0.0010} = 0 \text{ LF}$$

$L_{wq} = 0$ lineal feet of trench required for water quality

$V_{total} = V_{wq} + V_{qn}$	=	2.86	ac-in (Total Volume required to be treated for water quantity)
$V_{qn} = V_{total} - V_{wq}$	=	2.86	ac-in (Volume to be treated in addition to water quality for water quantity)

$$L_{qn} = \frac{FS[(\%WQ)(V_{wq}) + V_{qn}]}{K(2H_2D_U - D_U^2 + 2H_2D_S) + (0.000139)WD_U} = \frac{5.72}{0.0085 + 0.0010} = 601 \text{ LF}$$

$L_{qn} = 601$ lineal feet of trench required for water quantity

$$V_{add} = \frac{[L \times (K(2H_2D_U - D_U^2 + 2H_2D_S) + (0.000139)WD_U)] - V_{wq}}{FS} = \frac{[610 \times (0.0085 + 0.0010)] - 0.00}{2.00}$$

$V_{add} = 2.90$ ac-in (Volume provided in addition to V_{wq})

$V = V_{wq} + V_{add} =$	2.90	acre-inches treated (Total Volume treated)
$=$	0.242	acre-feet treated

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Flynn Engineering Services, P.A.
241 Commercial Boulevard
Lauderdale By The Sea, FL 33308

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03/05/2025

Date : 11/15/24

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03/04/2026

Section / Township (S/ Range (E): 12/49/42 Plat Book / Page: City: Pompano E County: Broward State: Florida

Project Description : Existing site.

PRE CONDITION

*All elevations referenced are in NAVI

Total Project Acreage : 2.350 Acres
Total Drainage Basin(with offsite): 2.350 Acres

Federal Insurance Rate Map Information : Map No. 12011C0 Date: 12-31-19 Zone AE Elev. 7.00 NAVD

RAINFALL DATA from SFWMD Tech. Pub. 81-3 May, 1981	1 Day Storm Event			3 Day Storm Event			Less Trench
	Rainfall Inches	Runoff Inches	Runoff Ac-Ft	Rainfall Inches	Runoff Inches	Runoff Ac-Ft	Ac-Ft
100 Year Return Period	13.25	12.83	2.51	18.01	17.58	3.44	3.44
25 Year Return Period	10.70	10.28	2.01	14.54	14.12	2.76	2.76
10 Year Return Period	8.50	8.08	1.58	11.55	11.13	2.18	2.18
5 Year Return Period							
3 Year Return Period							

For Runoff estimation use USDA SCS formula
$$\text{Runoff (in.) } Q = \frac{(P-0.2S)^2}{P+0.8S}$$

Where: P = accumulated rainfall (in.)
S = Soil Storage Value

SUMMARY OF FLOOD ROUTING		Broward County maps	Calculated		Calculated	
			1 Day Storm Event		3 Day Storm Event	
			Peak Stage	Peak Discharge	Peak Stage	Peak Discharge
100 Year Return Period		5.50	6.07	0.00	6.50	0.00
After DRC Meeting DRC comments submission of a permit Application.	50 Year Return Period		5.84	0.00	6.19	0.00
	25 Year Return Period	4.50	5.64	0.00		
	10 Year Return Period		2.50	0.00		
	5 Year Return Period		2.50	0.00		
	3 Year Return Period		2.50	0.00		

Water Table Elevation (ft)= 2.50
Compacted Ground storage table

Depth to water table (Ft)	1.00	2.00	3.00	4.00
Ground storage(In)	0.45	1.88	4.05	6.75

Mean depth to ground water table (ft)= 3.00 (Pervious Area)
Soil Storage (S) Value = 0.36
Soil Storage Value (S) = Storage under pervious area / Total Area
Soil Storage under pavement and bldgs. is not considered, per SFWMD.
Time of Conc. (hr.) = 0.25

Water Quality Storage Requirements :	
Based on Total Drainage Basin Acreage(with offsite)	Ac-Ft
1" x Area	0.20
2.5" X % Imp. X Area (less bldg. & water.For water quality)	0.44
2.5" X % Imp. X Area (Total site less water areas)	0.45
.5" X Area (Pretreatment - Commercial projects Only)	0.10

Based on Project Drainage Acreage(NO offsite)	
1" x Area	Ac-Ft
2.5" X % Imp. X Area (less bldg. & water.For water quality)	0.20
2.5" X % Imp. X Area (less bldg. & water.For water quality)	0.44
2.5" X % Imp. X Area (Total site less water areas)	0.45
.5" X Area (Pretreatment - Commercial projects Only)	0.10

STORAGE SOURCE	Basin Storage (Ac-Ft)	Equivalent Wet Detention (Ac-Ft)	Project Storage (Ac-Ft)	Equivalent Wet Detention (Ac-Ft)
Retention				
Dry Detention				
Wet Detention				
Total Less Trench	0.00	0.00	0.00	0.00
Exfiltration Trench	0	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00

Storage from ____ to ____

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.
06/10/2025

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Civil Engineering Services
Ft. Lauderdale, FL; (954) 522-1004

Santa Barbara Urban Hydrograph Flood Routing, based on South Florida Water Management District Program
Project: 1600 S Federal Highway (Mixed-Use Development)

Date : 11/15/24

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Table 1 - Site Acreage Information

	Input Information						Imperv. Paved Acres	Perv. Acres	Bldgs. Acres	Non Bldgs. Acres	Water Lake Acres	Perv. Area Avg. El.
	Acres	High Elev.	Low Elev.	% Imperv. Paved	% Bldgs.	% Water						
1	BUILDINGS	0.15	6.00	6.00	0.00	100.00	0.00	0.00	0.15	0.00	0.00	0.00
2	PAVEMENT/WALKS	1.99	5.50	4.25	100.00	0.00	0.00	1.99	0.00	0.00	1.99	0.00
3	LANDSCAPE	0.21	6.00	5.00	0.00	0.00	0.00	0.21	0.00	0.21	0.00	5.50
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PROJECT TOTALS / AVERAGE		2.35	6.00	4.25	84.68	6.38	0.00	1.99	0.21	0.15	2.20	0.00
BASINS IN THIS BASIN												
		0.000	10.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
OFFSITE TOTALS / AVERAGE		0.00	10.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	EXFILTRATION TRENCH											
BASIN TOTALS / AVERAGE		2.35	10.00	2.50	84.68	6.38	0.00	1.99	0.21	0.15	2.20	0.00

Basin % Imper. for Water Quality Purposes = 90.45
Drainage Basin % Impervious (incl. Bldg., No lakes)= 91.06

Project % Imper. for Water Quality Purposes = 90.45
Project % Impervious (incl. Bldg., No lakes)= 91.06

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Table 2 - Stage - Storage Information

LAND USES	Surface storage (Ac-Ft)											
	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.
1 BUILDINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 PAVEMENT/WALKS	0.00	0.45	1.24	2.24	3.23	4.23	5.22	6.22	7.21	8.21	9.20	10.20
3 LANDSCAPE	0.00	0.00	0.03	0.11	0.21	0.32	0.42	0.53	0.63	0.74	0.84	0.95
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PROJECT TOTALS / AVERAGE	0.00	0.45	1.27	2.34	3.44	4.54	5.64	6.74	7.84	8.94	10.04	11.14
OFFSITE AREAS IN THIS BASIN												
29 NONE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
OFFSITE TOTALS / AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42 EXFILTRATION TRENCH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	0.00	0.45	1.27	2.34	3.44	4.54	5.64	6.74	7.84	8.94	10.04	11.14

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.

Drainage Basin:

SFWMD allowable discharge: 4.58 CFS

Project Acreage : 2.35

Recieving Water Body:

Runoff Formula: $Q=[(72/A)^{0.484}Q_p]$

Q=Allowable runoff (CFS)

A=Drainage Area (Square Miles)

Table 3 - Stage / Discharge Data	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.
Stage (feet)	2.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00
Discharge (Cfs)												

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Date : 11/15/24

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Table 4 - Soil Storage Information

LAND USES	Depth to Water Table	Ground Storage Under Pervious	
		Inches	Ac-Ft
1 BUILDINGS	0.00	0.00	0.00
2 PAVEMENT/WALKS	0.00	0.00	0.00
3 LANDSCAPE	3.00	4.05	0.07
4			
5			
6			
7			
8			
9			
10			
11			
12			
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14			
15			
16			
17			
18			
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21			
22			
23			
24			
25			
26			
27			
28			
PROJECT TOTALS / AVERAGE		4.05	0.07
OFFSITE AREAS IN THIS BASIN			
	0.00	0.00	0.00
33			
34			
35			
36			
37			
38			
39			
40			
41			
OFFSITE TOTALS / AVERAGE		0.00	0.00
42			
TOTAL/AVERAGE		4.05	0.07

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Soil Storage Value (S) = Storage under pervious area / Total Area

S= 0.36

Soil Storage under pavement and buildings is not considered in computations

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Exfiltration Trench Design Information :
Hydraulic Conductivity Determination :

FALLING HEAD OPEN HOLE	Test 1	Test 2	Test 3	Test 4
Diameter of test hole (Ft)				
Height of water @ T1 (Ft)				
Height of water @ T2 (Ft)				
Saturated hole depth (Ft)				
Time , T2 - T1 (Sec)				

Hydraulic conductivity (Cfs/Ft^2)				
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Avg.

USUAL OPEN HOLE	Test 1	Test 2	Test 3	Test 4
Diameter of test hole (Ft)				
Depth to water table (Ft)				
Saturated hole depth (Ft)				
Stabilized flow rate (Gpm)				

Hydraulic conductivity (Cfs/Ft^2)				
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Avg.

Exfiltration Trench Information :

INPUT INFORMATION

Depth To Top Of Trench (Ft)

Trench Width (Ft)

Trench Height (Ft)

Low Pavement Elevation

Avg. Hydraulic Conductivity (Cfs/Ft^2)

Saturated Trench Depth

Non-Saturated Trench Depth

Volume Required (Ac-Ft)

Depth To Water Table or Trench Bottom (Ft)

Length Required (Ft)

Length Provided (Ft)

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Table 5 - Stage - Discharge Information

100 - YEAR STORM EVENT

TIME STEP (HOUR)	Rain Fall Ratio	Rain C*P (In)	Q Scs (In)	Inst Q In (Cfs)	Sbuh Q (Cfs)	Tot Q In (Ac-Ft)	Sumq Out (Ac-Ft)	Stored Vol (Ac-Ft)	Stage Lk-Up (Feet)	Inst Q Lkup (Cfs)	Avg. Q Out (Cfs)	Step Qout (Ac-Ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
4.00	0.02	0.32	0.10	0.08	0.11	0.02	0.00	0.02	2.60	0.00	0.00	0.00
8.00	0.05	0.65	0.35	0.21	0.16	0.07	0.00	0.07	2.87	0.00	0.00	0.00
12.00	0.07	0.97	0.64	0.23	0.17	0.12	0.00	0.12	3.17	0.00	0.00	0.00
16.00	0.10	1.29	0.93	0.12	0.18	0.18	0.00	0.18	3.50	0.00	0.00	0.00
20.00	0.12	1.62	1.25	0.24	0.18	0.24	0.00	0.24	3.84	0.00	0.00	0.00
24.00	0.15	1.93	1.56	0.24	0.18	0.30	0.00	0.30	4.18	0.00	0.00	0.00
28.00	0.18	2.41	2.03	0.37	0.29	0.39	0.00	0.39	4.68	0.00	0.00	0.00
32.00	0.22	2.88	2.48	0.25	0.27	0.48	0.00	0.48	5.02	0.00	0.00	0.00
36.00	0.25	3.34	2.94	0.25	0.25	0.57	0.00	0.57	5.07	0.00	0.00	0.00
40.00	0.29	3.82	3.41	0.25	0.27	0.66	0.00	0.66	5.13	0.00	0.00	0.00
44.00	0.32	4.29	3.89	0.37	0.29	0.75	0.00	0.75	5.19	0.00	0.00	0.00
48.00	0.36	4.76	4.35	0.25	0.27	0.85	0.00	0.85	5.24	0.00	0.00	0.00
52.00	0.40	5.35	4.94	0.50	0.42	0.96	0.00	0.96	5.31	0.00	0.00	0.00
56.00	0.50	6.57	6.16	1.00	0.92	1.19	0.00	1.19	5.45	0.00	0.00	0.00
58.00	0.57	7.58	7.16	1.38	1.35	1.37	0.00	1.37	5.55	0.00	0.00	0.00
59.00	0.63	8.32	7.90	2.01	1.89	1.51	0.00	1.51	5.61	0.00	0.00	0.00
59.50	0.68	8.98	8.56	3.13	2.87	1.61	0.00	1.61	5.66	0.00	0.00	0.00
59.75	0.85	11.22	10.80	21.20	9.07	1.80	0.00	1.80	5.75	0.00	0.00	0.00
60.00	1.02	13.45	13.02	21.08	17.12	2.16	0.00	2.16	5.91	0.00	0.00	0.00
60.50	1.09	14.42	13.99	4.52	7.81	2.61	0.00	2.61	6.12	0.00	0.00	0.00
61.00	1.13	14.92	14.49	2.38	3.23	2.78	0.00	2.78	6.20	0.00	0.00	0.00
62.00	1.18	15.60	15.17	1.38	1.55	2.94	0.00	2.94	6.27	0.00	0.00	0.00
64.00	1.24	16.42	15.99	0.88	0.94	3.11	0.00	3.11	6.35	0.00	0.00	0.00
68.00	1.31	17.37	16.94	0.50	0.56	3.31	0.00	3.31	6.44	0.00	0.00	0.00
72.00	1.36	18.01	17.58	0.38	0.38	3.43	0.00	3.43	6.50	0.00	0.00	0.00
Peak stage						6.50	At hour	72.00				
Peak discharge						0.00	At hour	0.00				

Table 6 - Stage - Discharge Information

25 - YEAR STORM EVENT

TIME STEP (HOUR)	Rain Fall Ratio	Rain C*P (In)	Q Scs (In)	Inst Q In (Cfs)	Sbuh Q (Cfs)	Tot Q In (Ac-Ft)	Sumq Out (Ac-Ft)	Stored Vol (Ac-Ft)	Stage Lk-Up (Feet)	Inst Q Lkup (Cfs)	Avg. Q Out (Cfs)	Step Qout (Ac-Ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
4.00	0.02	0.26	0.06	0.06	0.08	0.01	0.00	0.01	2.56	0.00	0.00	0.00
8.00	0.05	0.52	0.25	0.16	0.12	0.05	0.00	0.05	2.76	0.00	0.00	0.00
12.00	0.07	0.78	0.47	0.18	0.13	0.09	0.00	0.09	2.99	0.00	0.00	0.00
16.00	0.10	1.04	0.70	0.09	0.14	0.14	0.00	0.14	3.25	0.00	0.00	0.00
20.00	0.12	1.31	0.95	0.19	0.14	0.18	0.00	0.18	3.52	0.00	0.00	0.00
24.00	0.15	1.56	1.20	0.19	0.15	0.23	0.00	0.23	3.79	0.00	0.00	0.00
28.00	0.18	1.95	1.57	0.30	0.23	0.30	0.00	0.30	4.19	0.00	0.00	0.00
32.00	0.22	2.32	1.94	0.20	0.21	0.38	0.00	0.38	4.59	0.00	0.00	0.00
36.00	0.25	2.70	2.31	0.20	0.20	0.45	0.00	0.45	5.00	0.00	0.00	0.00
40.00	0.29	3.08	2.69	0.20	0.22	0.52	0.00	0.52	5.04	0.00	0.00	0.00
44.00	0.32	3.47	3.07	0.30	0.24	0.60	0.00	0.60	5.09	0.00	0.00	0.00
48.00	0.36	3.84	3.44	0.20	0.22	0.67	0.00	0.67	5.13	0.00	0.00	0.00
52.00	0.40	4.32	3.92	0.40	0.34	0.76	0.00	0.76	5.19	0.00	0.00	0.00
56.00	0.50	5.31	4.90	0.81	0.74	0.94	0.00	0.94	5.30	0.00	0.00	0.00
58.00	0.57	6.12	5.71	1.11	1.09	1.09	0.00	1.09	5.39	0.00	0.00	0.00
59.00	0.63	6.72	6.30	1.62	1.53	1.20	0.00	1.20	5.46	0.00	0.00	0.00
59.50	0.68	7.25	6.84	2.53	2.32	1.29	0.00	1.29	5.51	0.00	0.00	0.00
59.75	0.85	9.06	8.64	17.11	7.32	1.44	0.00	1.44	5.58	0.00	0.00	0.00
60.00	1.02	10.86	10.44	17.02	13.81	1.73	0.00	1.73	5.71	0.00	0.00	0.00
60.50	1.09	11.64	11.22	3.65	6.31	2.09	0.00	2.09	5.88	0.00	0.00	0.00
61.00	1.13	12.05	11.62	1.93	2.60	2.23	0.00	2.23	5.95	0.00	0.00	0.00
62.00	1.18	12.59	12.17	1.11	1.25	2.36	0.00	2.36	6.01	0.00	0.00	0.00
64.00	1.24	13.26	12.83	0.71	0.76	2.50	0.00	2.50	6.07	0.00	0.00	0.00
68.00	1.31	14.03	13.60	0.41	0.46	2.65	0.00	2.65	6.14	0.00	0.00	0.00
72.00	1.36	14.54	14.12	0.30	0.30	2.76	0.00	2.76	6.19	0.00	0.00	0.00
Peak stage						6.19	At hour	72.00				
Peak discharge						0.00	At hour	0.00				

DRC

DRC

PZ24-12000027

04/16/2025

PZ24-12000027

03/05/2025

DRC

Flynn Engineering

Civil Engineering Services
Ft. Lauderdale, FL; (954) 522-1004

Santa Barbara Urban Hydrograph Flood Routing, based on South Florida Water Management District Program
Project: 1600 S Federal Highway (Mixed-Use Development)

Date : 11/15/24

DRC

PZ24- 12000027
03/04/2026

PZ24-12000027
07/02/2025

Table 7 - Stage - Discharge Information 10 - YEAR STORM EVENT

TIME STEP (HOUR)	Rain Fall Ratio	Rain C*P (In)	Q Scs (In)	Inst Q In (Cfs)	Sbuh Q (Cfs)	Tot Q In (Ac-Ft)	Sumq Out (Ac-Ft)	Stored Vol (Ac-Ft)	Stage Lk-Up (Feet)	Inst Q Lkup (Cfs)	Avg. Q Out (Cfs)	Step Qout (Ac-Ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
4.00	0.02	0.20	0.04	0.04	0.05	0.01	0.00	0.01	2.53	0.00	0.00	0.00
8.00	0.05	0.42	0.17	0.12	0.09	0.03	0.00	0.03	2.67	0.00	0.00	0.00
12.00	0.07	0.62	0.33	0.14	0.10	0.06	0.00	0.06	2.85	0.00	0.00	0.00
16.00	0.10	0.82	0.51	0.07	0.11	0.10	0.00	0.10	3.04	0.00	0.00	0.00
20.00	0.12	1.04	0.70	0.15	0.11	0.13	0.00	0.13	3.25	0.00	0.00	0.00
24.00	0.15	1.24	0.89	0.15	0.11	0.17	0.00	0.17	3.46	0.00	0.00	0.00
28.00	0.18	1.55	1.18	0.23	0.18	0.23	0.00	0.23	3.77	0.00	0.00	0.00
32.00	0.22	1.84	1.47	0.16	0.17	0.28	0.00	0.28	4.09	0.00	0.00	0.00
36.00	0.25	2.14	1.76	0.16	0.16	0.34	0.00	0.34	4.41	0.00	0.00	0.00
40.00	0.29	2.45	2.06	0.16	0.17	0.40	0.00	0.40	4.74	0.00	0.00	0.00
44.00	0.32	2.75	2.36	0.24	0.19	0.46	0.00	0.46	5.01	0.00	0.00	0.00
48.00	0.36	3.05	2.66	0.16	0.17	0.52	0.00	0.52	5.04	0.00	0.00	0.00
52.00	0.40	3.43	3.03	0.32	0.27	0.59	0.00	0.59	5.09	0.00	0.00	0.00
56.00	0.50	4.22	3.81	0.64	0.59	0.73	0.00	0.73	5.17	0.00	0.00	0.00
58.00	0.57	4.86	4.45	0.88	0.86	0.85	0.00	0.85	5.25	0.00	0.00	0.00
59.00	0.63	5.34	4.93	1.28	1.21	0.94	0.00	0.94	5.30	0.00	0.00	0.00
59.50	0.68	5.76	5.35	2.01	1.84	1.01	0.00	1.01	5.34	0.00	0.00	0.00
59.75	0.85	7.20	6.78	13.58	5.81	1.13	0.00	1.13	5.41	0.00	0.00	0.00
60.00	1.02	8.63	8.21	13.51	10.96	1.35	0.00	1.35	5.54	0.00	0.00	0.00
60.50	1.09	9.25	8.83	2.90	5.01	1.65	0.00	1.65	5.68	0.00	0.00	0.00
61.00	1.13	9.57	9.15	1.53	2.07	1.75	0.00	1.75	5.73	0.00	0.00	0.00
62.00	1.18	10.00	9.58	0.89	0.99	1.86	0.00	1.86	5.77	0.00	0.00	0.00
64.00	1.24	10.53	10.11	0.56	0.60	1.97	0.00	1.97	5.82	0.00	0.00	0.00
68.00	1.31	11.14	10.72	0.32	0.36	2.09	0.00	2.09	5.88	0.00	0.00	0.00
72.00	1.36	11.55	11.13	0.24	0.24	2.17	0.00	2.17	5.92	0.00	0.00	0.00
Peak stage						5.92	At hour	72.00				
Peak discharge						0.00	At hour	0.00				

Table 8 - Stage - Discharge Information 5 - YEAR STORM EVENT

TIME STEP (HOUR)	Rain Fall Ratio	Rain C*P (In)	Q Scs (In)	Inst Q In (Cfs)	Sbuh Q (Cfs)	Tot Q In (Ac-Ft)	Sumq Out (Ac-Ft)	Stored Vol (Ac-Ft)	Stage Lk-Up (Feet)	Inst Q Lkup (Cfs)	Avg. Q Out (Cfs)	Step Qout (Ac-Ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
4.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
8.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
12.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
16.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
20.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
24.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
28.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
32.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
36.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
40.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
44.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
48.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
52.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
56.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
58.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
59.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
59.50	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
59.75	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
60.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
60.50	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
61.00	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
62.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
64.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
68.00	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
72.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
Peak stage						2.50	At hour	0.00				
Peak discharge						0.00	At hour	0.00				

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.
04/16/2025

DRC

PZ24-12000027
07/02/2025

DRC

DRC

PZ24-12000027
04/16/2025

DRC

Flynn Engineering

Civil Engineering Services
Ft. Lauderdale, FL; (954) 522-1004

Santa Barbara Urban Hydrograph Flood Routing, based on South Florida Water Management District Program
Project: 1600 S Federal Highway (Mixed-Use Development)

Date : 11/15/24

DRC

PZ24- 12000027
03/04/2026

Table 9 - Stage - Discharge Information
PZ24-12000027
07/02/2025

3 - YEAR STORM EVENT

TIME STEP (HOUR)	Rain Fall Ratio	Rain C*P (In)	Q Scs (In)	Inst Q In (Cfs)	Sbuh Q (Cfs)	Tot Q In (Ac-Ft)	Sumq Out (Ac-Ft)	Stored Vol (Ac-Ft)	Stage Lk-Up (Feet)	Inst Q Lkup (Cfs)	Avg. Q Out (Cfs)	Step Qout (Ac-Ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
4.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
8.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
12.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
16.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
20.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
24.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
28.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
32.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
36.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
40.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
44.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
48.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
52.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
56.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
58.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
59.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
59.50	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
59.75	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
60.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
60.50	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
61.00	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
62.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
64.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
68.00	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
72.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
Peak stage						2.50	At hour	0.00				
Peak discharge						0.00	At hour	0.00				

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.

DRC

PZ24-12000027
07/02/2025

DRC

DRC

PZ24-12000027
04/16/2025

Section / Township (S)/ Range (E): 12/49/42 Plat Book / Page: City: Pompano E County: Broward State: Florida

Project Description : Proposed development site.

POST CONDITION

*All elevations referenced are in NAVD

Total Project Acreage : 2.350 Acres
Total Drainage Basin(with offsite): 2.350 Acres

Federal Insurance Rate Map Information : Map No. 12011C0 Date: 12-31-19 Zone AE Elev. 7.00 NAVD

RAINFALL DATA from SFWMD Tech. Pub. 81-3 May, 1981	1 Day Storm Event			3 Day Storm Event			Less Trench Ac-Ft
	Rainfall Inches	Runoff Inches	Runoff Ac-Ft	Rainfall Inches	Runoff Inches	Runoff Ac-Ft	
100 Year Return Period	13.25	12.37	2.42	18.01	17.11	3.35	2.72
25 Year Return Period	10.70	9.83	1.92	14.54	13.66	2.67	2.04
10 Year Return Period	8.50	7.64	1.50	11.55	10.68	2.09	1.46
5 Year Return Period							
3 Year Return Period							

For Runoff estimation use USDA SCS formula
$$\text{Runoff (in.) } Q = \frac{(P-0.2S)^2}{P+0.8S}$$

Where: P = accumulated rainfall (in.)
S = Soil Storage Value

SUMMARY OF FLOOD ROUTING		Broward County maps	Calculated		Calculated	
			1 Day Storm Event		3 Day Storm Event	
			Peak Stage	Peak Discharge	Peak Stage	Peak Discharge
100 Year Return Period		5.50	6.48	0.00	7.06	0.00
After DRC Meeting DRC comments submission of a permit Application.	50 Year Return Period		6.12	0.00	6.64	0.00
	25 Year Return Period	4.50	5.77	0.00		
	10 Year Return Period		2.50	0.00		
	5 Year Return Period		2.50	0.00		
	3 Year Return Period		2.50	0.00		

Water Table Elevation (ft)= 2.50
Compacted Ground storage table

Depth to water table (Ft)	1.00	2.00	3.00	4.00
Ground storage(In)	0.45	1.88	4.05	6.75

Mean depth to ground water table (ft)= 2.50 (Pervious Area)
Soil Storage (S) Value = 0.77
Soil Storage Value (S) = Storage under pervious area / Total Area
Soil Storage under pavement and bldgs. is not considered, per SFWMD.
Time of Conc. (hr.) = 0.25

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.
06/10/2025

Water Quality Storage Requirements :	
Based on Total Drainage Basin Acreage(with offsite)	Ac-Ft
1" x Area	0.20
2.5" X % Imp. X Area (less bldg. & water,For water quality)	0.34
2.5" X % Imp. X Area (Total site less water areas)	0.36
.5" X Area (Pretreatment - Commercial projects Only)	0.10

Based on Project Drainage Acreage(NO offsite)	
1" x Area	0.20
2.5" X % Imp. X Area (less bldg. & water,For water quality)	0.34
2.5" X % Imp. X Area (Total site less water areas)	0.36
.5" X Area (Pretreatment - Commercial projects Only)	0.10

STORAGE SOURCE	Basin Storage (Ac-Ft)	Equivalent Wet Detention (Ac-Ft)	Project Storage (Ac-Ft)	Equivalent Wet Detention (Ac-Ft)
Retention				
Dry Detention				
Wet Detention				
Total Less Trench	0.00	0.00	0.00	0.00
Exfiltration Trench	0.63	0.63	0.00	0.00
Total	0.63	0.63	0.00	0.00

Storage from ____ to ____

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Table 1 - Site Acreage Information

Input Information								Imperv. Paved Acres	Perv. Acres	Bldgs. Acres	Non Bldgs. Acres	Water Lake Acres	Perv. Area Avg. El.
LAND USES	Acres	High Elev.	Low Elev.	% Imperv. Paved	% Bldgs.	% Water							
07/02/2025													
1	BUILDINGS	0.39	8.40	8.40	0.00	100.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00
2	HIGH PAVEMENT/WALKS	0.45	8.00	6.50	100.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00
3	MEDIUM PAVEMENT/WALKS	0.45	6.50	5.50	100.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00
4	LOW PAVEMENT/WALKS	0.45	5.50	4.50	100.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00
5	LANDSCAPE	0.61	6.00	4.00	0.00	0.00	0.00	0.00	0.61	0.00	0.61	0.00	5.00
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
PROJECT TOTALS / AVERAGE		2.35	8.40	4.00	57.45	16.60	0.00	1.35	0.61	0.39	1.96	0.00	0.00
Review after DRC Meeting Address DRC comments to the submission of a Final Permit Application. 10/2/2025	BASINS IN THIS BASIN												
		0.000	10.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
OFFSITE TOTALS / AVERAGE		0.00	10.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	EXFILTRATION TRENCH												
BASIN TOTALS / AVERAGE		2.35	10.00	2.50	57.45	16.60	0.00	1.35	0.61	0.39	1.96	0.00	5.00

Basin % Imper. for Water Quality Purposes = 68.88

Drainage Basin % Impervious (incl. Bldg., No lakes)= 74.04

Project % Imper. for Water Quality Purposes = 68.88

Project % Impervious (incl. Bldg., No lakes)= 74.04

Received after DRC Meeting to address DRC comments prior to the submission of a Building Permit Application.

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Table 2 - Stage - Storage Information												
LAND USES	Surface storage (Ac-Ft)											
	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.
1 BUILDINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 HIGH PAVEMENT/WALKS	0.00	0.00	0.00	0.00	0.00	0.04	0.15	0.34	0.56	0.79	1.01	1.24
3 MEDIUM PAVEMENT/WALKS	0.00	0.00	0.00	0.06	0.23	0.45	0.68	0.90	1.13	1.35	1.58	1.80
4 LOW PAVEMENT/WALKS	0.00	0.06	0.23	0.45	0.68	0.90	1.13	1.35	1.58	1.80	2.03	2.25
5 LANDSCAPE	0.00	0.15	0.34	0.61	0.92	1.22	1.53	1.83	2.14	2.44	2.75	3.05
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
PROJECT TOTALS / AVERAGE	0.00	0.21	0.57	1.12	1.82	2.61	3.48	4.42	5.40	6.38	7.36	8.34
OFFSITE AREAS IN THIS BASIN												
29 NONE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
OFFSITE TOTALS / AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42 EXFILTRATION TRENCH	0.00	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
TOTAL	0.00	0.84	1.20	1.75	2.45	3.24	4.11	5.05	6.03	7.01	7.99	8.97

Drainage Basin:

SFWMD allowable discharge: 4.58 CFS

Receiving Water Body:

Project Acreage : 2.35

Runoff Formula: $Q=\frac{Q}{72}$

Q=Allowable runoff (CFS)

A=Drainage Area (Square Miles)

Table 3 - Stage / Discharge Data	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.	Elev.
Stage (feet)	2.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00
Discharge (Cfs)												

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LAND USES		Depth to Water Table	Ground Storage Under Pervious	
			Inches	Ac-Ft
1	BUILDINGS	0.00	0.00	0.00
2	HIGH PAVEMENT/WALKS	0.00	0.00	0.00
3	MEDIUM PAVEMENT/WALKS	0.00	0.00	0.00
4	LOW PAVEMENT/WALKS	0.00	0.00	0.00
5	LANDSCAPE	2.50	2.97	0.15
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
PROJECT TOTALS / AVERAGE			2.97	0.15
OFFSITE AREAS IN THIS BASIN				
		0.00	0.00	0.00
33				
34				
35				
36				
37				
38				
39				
40				
41				
OFFSITE TOTALS / AVERAGE			0.00	0.00
42				
TOTAL/AVERAGE			2.97	0.15

Soil Storage Value (S) = Storage under pervious area / Total Area
Soil Storage under pavement and buildings is not considered in computations

S= 0.77

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07/02/2025

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Flynn Engineering

Civil Engineering Services
Ft. Lauderdale, FL; (954) 522-1004

Santa Barbara Urban Hydrograph Flood Routing, based on South Florida Water Management District Program
Project: 1600 S Federal Highway (Mixed-Use Development)

Date : 11/19/24

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Exfiltration Trench Design Information :
Hydraulic Conductivity Determination :

FALLING HEAD OPEN HOLE	Test 1	Test 2	Test 3	Test 4
Diameter of test hole (Ft)				
Height of water @ T1 (Ft)				
Height of water @ T2 (Ft)				
Saturated hole depth (Ft)				
Time , T2 - T1 (Sec)				

Hydraulic conductivity (Cfs/Ft^2)				
-----------------------------------	--	--	--	--

Avg.

USUAL OPEN HOLE	Test 1	Test 2	Test 3	Test 4
Diameter of test hole (Ft)				
Depth to water table (Ft)				
Saturated hole depth (Ft)				
Stabilized flow rate (Gpm)				

Hydraulic conductivity (Cfs/Ft^2)				
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Avg.

Exfiltration Trench Information :

INPUT INFORMATION		
Depth To Top Of Trench (Ft)		
Trench Width (Ft)		
Trench Height (Ft)		
Low Pavement Elevation		
Avg. Hydraulic Conductivity (Cfs/Ft^2)		

Saturated Trench Depth	
Non-Saturated Trench Depth	
Volume Required (Ac-Ft)	
Depth To Water Table or Trench Bottom (Ft)	

Length Required (Ft)	
Length Provided (Ft)	

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.

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04/16/2025

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Santa Barbara Urban Hydrograph Flood Routing, based on South Florida Water Management District Program
Project: 1600 S Federal Highway (Mixed-Use Development)

Date : 11/19/24

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Table 7 - Stage - Discharge Information

10 - YEAR STORM EVENT

TIME STEP (HOUR)	Rain Fall Ratio	Rain C*P (In)	Q Scs (In)	Inst Q In (Cfs)	Sbuh Q (Cfs)	Tot Q In (Ac-Ft)	Sumq Out (Ac-Ft)	Stored Vol (Ac-Ft)	Stage Lk-Up (Feet)	Inst Q Lkup (Cfs)	Avg. Q Out (Cfs)	Step Qout (Ac-Ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
4.00	0.02	0.20	0.00	0.01	0.01	0.00	0.00	0.00	2.50	0.00	0.00	0.00
8.00	0.05	0.42	0.07	0.07	0.05	0.01	0.00	0.01	2.54	0.00	0.00	0.00
12.00	0.07	0.62	0.18	0.10	0.07	0.03	0.00	0.03	2.60	0.00	0.00	0.00
16.00	0.10	0.82	0.31	0.06	0.09	0.06	0.00	0.06	2.68	0.00	0.00	0.00
20.00	0.12	1.04	0.47	0.13	0.09	0.09	0.00	0.09	2.77	0.00	0.00	0.00
24.00	0.15	1.24	0.64	0.13	0.10	0.12	0.00	0.12	2.86	0.00	0.00	0.00
28.00	0.18	1.55	0.90	0.21	0.16	0.17	0.00	0.17	3.01	0.00	0.00	0.00
32.00	0.22	1.84	1.16	0.15	0.16	0.22	0.00	0.22	3.17	0.00	0.00	0.00
36.00	0.25	2.14	1.43	0.15	0.15	0.28	0.00	0.28	3.33	0.00	0.00	0.00
40.00	0.29	2.45	1.72	0.15	0.16	0.33	0.00	0.33	3.49	0.00	0.00	0.00
44.00	0.32	2.75	2.01	0.23	0.18	0.39	0.00	0.39	3.47	0.00	0.00	0.00
48.00	0.36	3.05	2.29	0.15	0.17	0.45	0.00	0.45	3.61	0.00	0.00	0.00
52.00	0.40	3.43	2.66	0.31	0.26	0.51	0.00	0.51	3.79	0.00	0.00	0.00
56.00	0.50	4.22	3.42	0.63	0.57	0.66	0.00	0.66	4.14	0.00	0.00	0.00
58.00	0.57	4.86	4.05	0.87	0.85	0.77	0.00	0.77	4.44	0.00	0.00	0.00
59.00	0.63	5.34	4.51	1.27	1.19	0.86	0.00	0.86	5.03	0.00	0.00	0.00
59.50	0.68	5.76	4.93	1.98	1.82	0.93	0.00	0.93	5.12	0.00	0.00	0.00
59.75	0.85	7.20	6.35	13.45	5.75	1.05	0.00	1.05	5.29	0.00	0.00	0.00
60.00	1.02	8.63	7.77	13.42	10.88	1.27	0.00	1.27	5.57	0.00	0.00	0.00
60.50	1.09	9.25	8.38	2.88	4.98	1.56	0.00	1.56	5.83	0.00	0.00	0.00
61.00	1.13	9.57	8.71	1.52	2.06	1.67	0.00	1.67	5.93	0.00	0.00	0.00
62.00	1.18	10.00	9.14	0.88	0.99	1.77	0.00	1.77	6.02	0.00	0.00	0.00
64.00	1.24	10.53	9.66	0.56	0.60	1.88	0.00	1.88	6.10	0.00	0.00	0.00
68.00	1.31	11.14	10.27	0.32	0.36	2.00	0.00	2.00	6.18	0.00	0.00	0.00
72.00	1.36	11.55	10.68	0.24	0.24	2.09	0.00	2.09	6.24	0.00	0.00	0.00
Peak stage						6.24	At hour	72.00				
Peak discharge						0.00	At hour	0.00				

Table 8 - Stage - Discharge Information

5 - YEAR STORM EVENT

TIME STEP (HOUR)	Rain Fall Ratio	Rain C*P (In)	Q Scs (In)	Inst Q In (Cfs)	Sbuh Q (Cfs)	Tot Q In (Ac-Ft)	Sumq Out (Ac-Ft)	Stored Vol (Ac-Ft)	Stage Lk-Up (Feet)	Inst Q Lkup (Cfs)	Avg. Q Out (Cfs)	Step Qout (Ac-Ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
4.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
8.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
12.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
16.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
20.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
24.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
28.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
32.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
36.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
40.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
44.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
48.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
52.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
56.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
58.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
59.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
59.50	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
59.75	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
60.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
60.50	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
61.00	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
62.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
64.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
68.00	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
72.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
Peak stage						2.50	At hour	0.00				
Peak discharge						0.00	At hour	0.00				

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.
06/10/2025

DRC

PZ24-12000027
07/02/2025

DRC

DRC

PZ24-12000027
04/16/2025

DRC

Flynn Engineering

Civil Engineering Services
Ft. Lauderdale, FL; (954) 522-1004

Santa Barbara Urban Hydrograph Flood Routing, based on South Florida Water Management District Program
Project: 1600 S Federal Highway (Mixed-Use Development)

Date : 11/19/24

DRC

PZ24- 12000027
03/04/2026

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07/02/2025

Table 9 - Stage - Discharge Information

3 - YEAR STORM EVENT

TIME STEP (HOUR)	Rain Fall Ratio	Rain C*P (In)	Q Scs (In)	Inst Q In (Cfs)	Sbuh Q (Cfs)	Tot Q In (Ac-Ft)	Sumq Out (Ac-Ft)	Stored Vol (Ac-Ft)	Stage Lk-Up (Feet)	Inst Q Lkup (Cfs)	Avg. Q Out (Cfs)	Step Qout (Ac-Ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
4.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
8.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
12.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
16.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
20.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
24.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
28.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
32.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
36.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
40.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
44.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
48.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
52.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
56.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
58.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
59.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
59.50	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
59.75	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
60.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
60.50	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
61.00	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
62.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
64.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
68.00	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
72.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
Peak stage						2.50	At hour	0.00				
Peak discharge						0.00	At hour	0.00				

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.
06/10/2025

DRC

PZ24-12000027
07/02/2025

DRC

DRC

PZ24-12000027
04/16/2025

PZ24-12000027
07/02/2025

Project Name: 1600 S FEDERAL HWY
Reviewer: BMK
Project Number: 24-1832.00
Period Begin: Jan 01, 2000;0000 hr End: Jan 04, 2000;0800 hr Duration: 80 hr
Time Step: 0.2 hr, Iterations: 10

Basin 1: SITE

Method: Santa Barbara Unit Hydrograph
Rainfall Distribution: SFWMD - 3day
Design Frequency: 25 year
3 Day Rainfall: 14.5399 inches
Area: 2.35 acres
Ground Storage: 0.77 inches
Time of Concentration: 0.25 hours
Initial Stage: 2.5 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
2.50	0.00
5.00	0.84
5.50	1.20
6.00	1.75
6.50	2.45
7.00	3.24
7.50	4.11
8.00	5.05
8.50	6.03

Offsite Receiving Body: Offsitel

Time (hr)	Stage (ft NGVD)
0.00	2.00
80.00	2.00

DRC

PZ24-12000027
07/02/2025

Structure: 1

From Basin: SITE
To Basin: Offsitel
Structure Type: Pump
On Elev = 5 ft NGVD, Off Elev = 8 ft NGVD, Capacity = 150 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.00
1.00	0.07	0.00	0.00	0.00	2.50	2.00
2.00	0.13	0.00	0.00	0.00	2.50	2.00
3.00	0.20	0.01	0.00	0.00	2.50	2.00
4.00	0.26	0.03	0.00	0.00	2.51	2.00
5.00	0.33	0.05	0.00	0.00	2.52	2.00
6.00	0.39	0.06	0.00	0.00	2.53	2.00
7.00	0.46	0.07	0.00	0.00	2.54	2.00
8.00	0.52	0.08	0.00	0.00	2.56	2.00
9.00	0.59	0.09	0.00	0.00	2.58	2.00
10.00	0.65	0.10	0.00	0.00	2.61	2.00
11.00	0.72	0.10	0.00	0.00	2.63	2.00
12.00	0.78	0.11	0.00	0.00	2.66	2.00
13.00	0.85	0.11	0.00	0.00	2.68	2.00
14.00	0.91	0.11	0.00	0.00	2.71	2.00
15.00	0.98	0.12	0.00	0.00	2.74	2.00
16.00	1.04	0.12	0.00	0.00	2.77	2.00
17.00	1.11	0.12	0.00	0.00	2.80	2.00
18.00	1.17	0.13	0.00	0.00	2.83	2.00
19.00	1.24	0.13	0.00	0.00	2.86	2.00
20.00	1.30	0.13	0.00	0.00	2.89	2.00

DRC

PZ24-12000027
04/16/2025

PZ24-12000027
03/05/2025

DRC**PZ24- 12000027**
03/04/2026**PZ24-12000027****07/02/2025**

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
21.00	1.37	0.13	0.00	0.00	2.92	2.00
22.00	1.43	0.13	0.00	0.00	2.96	2.00
23.00	1.50	0.13	0.00	0.00	2.99	2.00
24.00	1.56	0.13	0.00	0.00	3.02	2.00
25.00	1.66	0.20	0.00	0.00	3.07	2.00
26.00	1.75	0.20	0.00	0.00	3.12	2.00
27.00	1.85	0.20	0.00	0.00	3.16	2.00
28.00	1.94	0.20	0.00	0.00	3.21	2.00
29.00	2.04	0.21	0.00	0.00	3.27	2.00
30.00	2.13	0.21	0.00	0.00	3.32	2.00
31.00	2.23	0.21	0.00	0.00	3.37	2.00
32.00	2.32	0.21	0.00	0.00	3.42	2.00
33.00	2.42	0.21	0.00	0.00	3.47	2.00
34.00	2.51	0.21	0.00	0.00	3.52	2.00
35.00	2.61	0.21	0.00	0.00	3.57	2.00
36.00	2.70	0.21	0.00	0.00	3.63	2.00
37.00	2.80	0.21	0.00	0.00	3.68	2.00
38.00	2.89	0.21	0.00	0.00	3.73	2.00
39.00	2.99	0.21	0.00	0.00	3.78	2.00
40.00	3.08	0.22	0.00	0.00	3.84	2.00
41.00	3.18	0.22	0.00	0.00	3.89	2.00
42.00	3.27	0.22	0.00	0.00	3.94	2.00
43.00	3.37	0.22	0.00	0.00	4.00	2.00
44.00	3.46	0.22	0.00	0.00	4.05	2.00
45.00	3.56	0.22	0.00	0.00	4.10	2.00
46.00	3.65	0.22	0.00	0.00	4.16	2.00
47.00	3.75	0.22	0.00	0.00	4.21	2.00
48.00	3.84	0.22	0.00	0.00	4.26	2.00
49.00	3.95	0.25	0.00	0.00	4.32	2.00
50.00	4.05	0.25	0.00	0.00	4.37	2.00
51.00	4.18	0.30	0.00	0.00	4.45	2.00
52.00	4.32	0.34	0.00	0.00	4.53	2.00
53.00	4.50	0.44	0.00	0.00	4.63	2.00
54.00	4.73	0.54	0.00	0.00	4.75	2.00
55.00	5.00	0.64	0.00	0.00	4.89	2.00
56.00	5.31	0.74	0.33	0.01	5.02	2.00
57.00	5.67	0.88	0.33	0.04	5.07	2.00
58.00	6.12	1.08	0.33	0.07	5.15	2.00
59.00	6.72	1.54	0.33	0.09	5.26	2.00
60.00	10.86	14.85	0.33	0.12	5.78	2.00
61.00	12.05	2.38	0.33	0.15	6.13	2.00
62.00	12.59	1.22	0.33	0.18	6.17	2.00
63.00	12.94	0.78	0.33	0.20	6.16	2.00
64.00	13.26	0.76	0.33	0.23	6.15	2.00
65.00	13.45	0.46	0.33	0.26	6.12	2.00
66.00	13.64	0.45	0.33	0.29	6.09	2.00
67.00	13.83	0.45	0.33	0.31	6.05	2.00
68.00	14.03	0.45	0.33	0.34	6.02	2.00
69.00	14.15	0.31	0.33	0.37	5.99	2.00
70.00	14.28	0.30	0.33	0.40	5.96	2.00
71.00	14.41	0.30	0.33	0.43	5.94	2.00
72.00	14.54	0.30	0.33	0.45	5.91	2.00
73.00	14.54	0.01	0.33	0.48	5.86	2.00
74.00	14.54	0.00	0.33	0.51	5.81	2.00
75.00	14.54	0.00	0.33	0.54	5.76	2.00
76.00	14.54	0.00	0.33	0.56	5.71	2.00
77.00	14.54	0.00	0.33	0.59	5.66	2.00
78.00	14.54	0.00	0.33	0.62	5.61	2.00
79.00	14.54	0.00	0.33	0.65	5.56	2.00
80.00	14.54	0.00	0.33	0.67	5.51	2.00

Structure: 2

From Basin: SITE

To Basin: Offsite1

Structure Type: Pump

On Elev = 5.5 ft NGVD, Off Elev = 8 ft NGVD, Capacity = 150 gpm

DRC**PZ24-12000027****04/16/2025****PZ24-12000027****03/05/2025****DRC****PZ24-12000027**
07/02/2025Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.

04/16/2025



PZ24- 12000027
03/04/2026

PZ24-12000027
07/02/2025

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.00
1.00	0.07	0.00	0.00	0.00	2.50	2.00
2.00	0.13	0.00	0.00	0.00	2.50	2.00
3.00	0.20	0.01	0.00	0.00	2.50	2.00
4.00	0.26	0.03	0.00	0.00	2.51	2.00
5.00	0.33	0.05	0.00	0.00	2.52	2.00
6.00	0.39	0.06	0.00	0.00	2.53	2.00
7.00	0.46	0.07	0.00	0.00	2.54	2.00
8.00	0.52	0.08	0.00	0.00	2.56	2.00
9.00	0.59	0.09	0.00	0.00	2.58	2.00
10.00	0.65	0.10	0.00	0.00	2.61	2.00
11.00	0.72	0.10	0.00	0.00	2.63	2.00
12.00	0.78	0.11	0.00	0.00	2.66	2.00
13.00	0.85	0.11	0.00	0.00	2.68	2.00
14.00	0.91	0.11	0.00	0.00	2.71	2.00
15.00	0.98	0.12	0.00	0.00	2.74	2.00
16.00	1.04	0.12	0.00	0.00	2.77	2.00
17.00	1.11	0.12	0.00	0.00	2.80	2.00
18.00	1.17	0.13	0.00	0.00	2.83	2.00
19.00	1.24	0.13	0.00	0.00	2.86	2.00
20.00	1.30	0.13	0.00	0.00	2.89	2.00
21.00	1.37	0.13	0.00	0.00	2.92	2.00
22.00	1.43	0.13	0.00	0.00	2.96	2.00
23.00	1.50	0.13	0.00	0.00	2.99	2.00
24.00	1.56	0.13	0.00	0.00	3.02	2.00
25.00	1.66	0.20	0.00	0.00	3.07	2.00
26.00	1.75	0.20	0.00	0.00	3.12	2.00
27.00	1.85	0.20	0.00	0.00	3.16	2.00
28.00	1.94	0.20	0.00	0.00	3.21	2.00
29.00	2.04	0.21	0.00	0.00	3.24	2.00
30.00	2.13	0.21	0.00	0.00	3.32	2.00
31.00	2.23	0.21	0.00	0.00	3.37	2.00
32.00	2.32	0.21	0.00	0.00	3.42	2.00
33.00	2.42	0.21	0.00	0.00	3.47	2.00
34.00	2.51	0.21	0.00	0.00	3.52	2.00
35.00	2.61	0.21	0.00	0.00	3.57	2.00
36.00	2.70	0.21	0.00	0.00	3.63	2.00
37.00	2.80	0.21	0.00	0.00	3.68	2.00
38.00	2.89	0.21	0.00	0.00	3.73	2.00
39.00	2.99	0.21	0.00	0.00	3.78	2.00
40.00	3.08	0.22	0.00	0.00	3.84	2.00
41.00	3.18	0.22	0.00	0.00	3.89	2.00
42.00	3.27	0.22	0.00	0.00	3.94	2.00
43.00	3.37	0.22	0.00	0.00	4.00	2.00
44.00	3.46	0.22	0.00	0.00	4.05	2.00
45.00	3.56	0.22	0.00	0.00	4.10	2.00
46.00	3.65	0.22	0.00	0.00	4.16	2.00
47.00	3.75	0.22	0.00	0.00	4.21	2.00
48.00	3.84	0.22	0.00	0.00	4.26	2.00
49.00	3.95	0.25	0.00	0.00	4.32	2.00
50.00	4.05	0.25	0.00	0.00	4.38	2.00
51.00	4.18	0.30	0.00	0.00	4.45	2.00
52.00	4.32	0.34	0.00	0.00	4.53	2.00
53.00	4.50	0.44	0.00	0.00	4.63	2.00
54.00	4.73	0.54	0.00	0.00	4.75	2.00
55.00	5.00	0.64	0.00	0.00	4.89	2.00
56.00	5.31	0.74	0.00	0.00	5.02	2.00
57.00	5.67	0.88	0.00	0.00	5.07	2.00
58.00	6.12	1.08	0.00	0.00	5.15	2.00
59.00	6.72	1.54	0.00	0.00	5.26	2.00
60.00	10.86	14.85	0.33	0.01	5.78	2.00
61.00	12.05	2.38	0.33	0.04	6.13	2.00
62.00	12.59	1.22	0.33	0.07	6.17	2.00
63.00	12.94	0.78	0.33	0.09	6.16	2.00
64.00	13.26	0.76	0.33	0.12	6.15	2.00
65.00	13.45	0.46	0.33	0.15	6.14	2.00
66.00	13.64	0.45	0.33	0.18	6.09	2.00
67.00	13.83	0.45	0.33	0.20	6.05	2.00
68.00	14.03	0.45	0.33	0.23	6.02	2.00

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.

DRC

PZ24-12000027
07/02/2025

DRC

DRC

PZ24-12000027
04/16/2025

PZ24-12000027
03/05/2025

DRC

PZ24- 12000027
03/04/2026

PZ24-12000027
07/02/2025

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
69.00	14.15	0.31	0.33	0.26	5.99	2.00
70.00	14.28	0.30	0.33	0.29	5.96	2.00
71.00	14.41	0.30	0.33	0.31	5.94	2.00
72.00	14.54	0.30	0.33	0.34	5.91	2.00
73.00	14.54	0.01	0.33	0.37	5.86	2.00
74.00	14.54	0.00	0.33	0.40	5.81	2.00
75.00	14.54	0.00	0.33	0.43	5.76	2.00
76.00	14.54	0.00	0.33	0.45	5.71	2.00
77.00	14.54	0.00	0.33	0.48	5.66	2.00
78.00	14.54	0.00	0.33	0.51	5.61	2.00
79.00	14.54	0.00	0.33	0.54	5.56	2.00
80.00	14.54	0.00	0.33	0.56	5.51	2.00

Structure: 3

From Basin: SITE
To Basin: Offsitel
Structure Type: Pump
On Elev = 6 ft NGVD, Off Elev = 8 ft NGVD, Capacity = 150 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.00
1.00	0.07	0.00	0.00	0.00	2.50	2.00
2.00	0.13	0.00	0.00	0.00	2.50	2.00
3.00	0.20	0.01	0.00	0.00	2.50	2.00
4.00	0.26	0.03	0.00	0.00	2.50	2.00
5.00	0.33	0.05	0.00	0.00	2.52	2.00
6.00	0.39	0.06	0.00	0.00	2.53	2.00
7.00	0.46	0.07	0.00	0.00	2.54	2.00
8.00	0.52	0.08	0.00	0.00	2.56	2.00
9.00	0.59	0.09	0.00	0.00	2.58	2.00
10.00	0.65	0.10	0.00	0.00	2.61	2.00
11.00	0.72	0.10	0.00	0.00	2.63	2.00
12.00	0.78	0.11	0.00	0.00	2.66	2.00
13.00	0.85	0.11	0.00	0.00	2.68	2.00
14.00	0.91	0.11	0.00	0.00	2.71	2.00
15.00	0.98	0.12	0.00	0.00	2.74	2.00
16.00	1.04	0.12	0.00	0.00	2.77	2.00
17.00	1.11	0.12	0.00	0.00	2.80	2.00
18.00	1.17	0.13	0.00	0.00	2.83	2.00
19.00	1.24	0.13	0.00	0.00	2.86	2.00
20.00	1.30	0.13	0.00	0.00	2.89	2.00
21.00	1.37	0.13	0.00	0.00	2.92	2.00
22.00	1.43	0.13	0.00	0.00	2.96	2.00
23.00	1.50	0.13	0.00	0.00	2.99	2.00
24.00	1.56	0.13	0.00	0.00	3.02	2.00
25.00	1.66	0.20	0.00	0.00	3.07	2.00
26.00	1.75	0.20	0.00	0.00	3.12	2.00
27.00	1.85	0.20	0.00	0.00	3.16	2.00
28.00	1.94	0.20	0.00	0.00	3.21	2.00
29.00	2.04	0.21	0.00	0.00	3.27	2.00
30.00	2.13	0.21	0.00	0.00	3.32	2.00
31.00	2.23	0.21	0.00	0.00	3.37	2.00
32.00	2.32	0.21	0.00	0.00	3.42	2.00
33.00	2.42	0.21	0.00	0.00	3.47	2.00
34.00	2.51	0.21	0.00	0.00	3.52	2.00
35.00	2.61	0.21	0.00	0.00	3.57	2.00
36.00	2.70	0.21	0.00	0.00	3.63	2.00
37.00	2.80	0.21	0.00	0.00	3.68	2.00
38.00	2.89	0.21	0.00	0.00	3.73	2.00
39.00	2.99	0.21	0.00	0.00	3.78	2.00
40.00	3.08	0.22	0.00	0.00	3.83	2.00
41.00	3.18	0.22	0.00	0.00	3.89	2.00
42.00	3.27	0.22	0.00	0.00	3.94	2.00
43.00	3.37	0.22	0.00	0.00	4.00	2.00

Received after DRC Meeting
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prior to the submission of a
Building Permit Application.
04/16/2025

DRC

PZ24-12000027
07/02/2025

DRC

PZ24-12000027
04/16/2025

PZ24-12000027
03/05/2025



PZ24- 12000027
03/04/2026

PZ24-12000027
07/02/2025

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
44.00	3.46	0.22	0.00	0.00	4.05	2.00
45.00	3.56	0.22	0.00	0.00	4.10	2.00
46.00	3.65	0.22	0.00	0.00	4.16	2.00
47.00	3.75	0.22	0.00	0.00	4.21	2.00
48.00	3.84	0.22	0.00	0.00	4.26	2.00
49.00	3.95	0.25	0.00	0.00	4.32	2.00
50.00	4.05	0.25	0.00	0.00	4.38	2.00
51.00	4.18	0.30	0.00	0.00	4.45	2.00
52.00	4.32	0.34	0.00	0.00	4.53	2.00
53.00	4.50	0.44	0.00	0.00	4.63	2.00
54.00	4.73	0.54	0.00	0.00	4.75	2.00
55.00	5.00	0.64	0.00	0.00	4.89	2.00
56.00	5.31	0.74	0.00	0.00	5.02	2.00
57.00	5.67	0.88	0.00	0.00	5.07	2.00
58.00	6.12	1.08	0.00	0.00	5.15	2.00
59.00	6.72	1.54	0.00	0.00	5.26	2.00
60.00	10.86	14.85	0.00	0.00	5.78	2.00
61.00	12.05	2.38	0.33	0.02	6.13	2.00
62.00	12.59	1.22	0.33	0.05	6.17	2.00
63.00	12.94	0.78	0.33	0.08	6.16	2.00
64.00	13.26	0.76	0.33	0.10	6.15	2.00
65.00	13.45	0.46	0.33	0.13	6.12	2.00
66.00	13.64	0.45	0.33	0.16	6.09	2.00
67.00	13.83	0.45	0.33	0.19	6.05	2.00
68.00	14.03	0.45	0.33	0.22	6.02	2.00
69.00	14.15	0.31	0.00	0.23	5.99	2.00
70.00	14.28	0.30	0.00	0.23	5.96	2.00
71.00	14.41	0.30	0.00	0.23	5.94	2.00
72.00	14.54	0.30	0.00	0.23	5.91	2.00
73.00	14.54	0.01	0.00	0.23	5.88	2.00
74.00	14.54	0.00	0.00	0.23	5.81	2.00
75.00	14.54	0.00	0.00	0.23	5.76	2.00
76.00	14.54	0.00	0.00	0.23	5.71	2.00
77.00	14.54	0.00	0.00	0.23	5.66	2.00
78.00	14.54	0.00	0.00	0.23	5.61	2.00
79.00	14.54	0.00	0.00	0.23	5.56	2.00
80.00	14.54	0.00	0.00	0.23	5.51	2.00

Structure: 4

From Basin: SITE

To Basin: Offsite1

Structure Type: Pump

On Elev = 6.5 ft NGVD, Off Elev = 8 ft NGVD, Capacity = 150 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.00
1.00	0.07	0.00	0.00	0.00	2.50	2.00
2.00	0.13	0.00	0.00	0.00	2.50	2.00
3.00	0.20	0.01	0.00	0.00	2.50	2.00
4.00	0.26	0.03	0.00	0.00	2.51	2.00
5.00	0.33	0.05	0.00	0.00	2.52	2.00
6.00	0.39	0.06	0.00	0.00	2.53	2.00
7.00	0.46	0.07	0.00	0.00	2.54	2.00
8.00	0.52	0.08	0.00	0.00	2.56	2.00
9.00	0.59	0.09	0.00	0.00	2.58	2.00
10.00	0.65	0.10	0.00	0.00	2.61	2.00
11.00	0.72	0.10	0.00	0.00	2.63	2.00
12.00	0.78	0.11	0.00	0.00	2.66	2.00
13.00	0.85	0.11	0.00	0.00	2.68	2.00
14.00	0.91	0.11	0.00	0.00	2.71	2.00
15.00	0.98	0.12	0.00	0.00	2.71	2.00
16.00	1.04	0.12	0.00	0.00	2.77	2.00
17.00	1.11	0.12	0.00	0.00	2.80	2.00
18.00	1.17	0.13	0.00	0.00	2.83	2.00

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Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
19.00	1.24	0.13	0.00	0.00	2.86	2.00
20.00	1.30	0.13	0.00	0.00	2.89	2.00
21.00	1.37	0.13	0.00	0.00	2.92	2.00
22.00	1.43	0.13	0.00	0.00	2.96	2.00
23.00	1.50	0.13	0.00	0.00	2.99	2.00
24.00	1.56	0.13	0.00	0.00	3.02	2.00
25.00	1.66	0.20	0.00	0.00	3.07	2.00
26.00	1.75	0.20	0.00	0.00	3.12	2.00
27.00	1.85	0.20	0.00	0.00	3.16	2.00
28.00	1.94	0.20	0.00	0.00	3.21	2.00
29.00	2.04	0.21	0.00	0.00	3.27	2.00
30.00	2.13	0.21	0.00	0.00	3.32	2.00
31.00	2.23	0.21	0.00	0.00	3.37	2.00
32.00	2.32	0.21	0.00	0.00	3.42	2.00
33.00	2.42	0.21	0.00	0.00	3.47	2.00
34.00	2.51	0.21	0.00	0.00	3.52	2.00
35.00	2.61	0.21	0.00	0.00	3.57	2.00
36.00	2.70	0.21	0.00	0.00	3.63	2.00
37.00	2.80	0.21	0.00	0.00	3.68	2.00
38.00	2.89	0.21	0.00	0.00	3.73	2.00
39.00	2.99	0.21	0.00	0.00	3.78	2.00
40.00	3.08	0.22	0.00	0.00	3.84	2.00
41.00	3.18	0.22	0.00	0.00	3.89	2.00
42.00	3.27	0.22	0.00	0.00	3.94	2.00
43.00	3.37	0.22	0.00	0.00	4.00	2.00
44.00	3.46	0.22	0.00	0.00	4.05	2.00
45.00	3.56	0.22	0.00	0.00	4.10	2.00
46.00	3.65	0.22	0.00	0.00	4.16	2.00
47.00	3.75	0.22	0.00	0.00	4.21	2.00
48.00	3.84	0.22	0.00	0.00	4.27	2.00
49.00	3.95	0.25	0.00	0.00	4.32	2.00
50.00	4.05	0.25	0.00	0.00	4.38	2.00
51.00	4.18	0.30	0.00	0.00	4.45	2.00
52.00	4.32	0.34	0.00	0.00	4.53	2.00
53.00	4.50	0.44	0.00	0.00	4.63	2.00
54.00	4.73	0.54	0.00	0.00	4.75	2.00
55.00	5.00	0.64	0.00	0.00	4.89	2.00
56.00	5.31	0.74	0.00	0.00	5.02	2.00
57.00	5.67	0.88	0.00	0.00	5.07	2.00
58.00	6.12	1.08	0.00	0.00	5.15	2.00
59.00	6.72	1.54	0.00	0.00	5.26	2.00
60.00	10.86	14.85	0.00	0.00	5.78	2.00
61.00	12.05	2.38	0.00	0.00	6.13	2.00
62.00	12.59	1.22	0.00	0.00	6.17	2.00
63.00	12.94	0.78	0.00	0.00	6.16	2.00
64.00	13.26	0.76	0.00	0.00	6.15	2.00
65.00	13.45	0.46	0.00	0.00	6.12	2.00
66.00	13.64	0.45	0.00	0.00	6.09	2.00
67.00	13.83	0.45	0.00	0.00	6.05	2.00
68.00	14.03	0.45	0.00	0.00	6.02	2.00
69.00	14.15	0.31	0.00	0.00	5.99	2.00
70.00	14.28	0.30	0.00	0.00	5.96	2.00
71.00	14.41	0.30	0.00	0.00	5.94	2.00
72.00	14.54	0.30	0.00	0.00	5.91	2.00
73.00	14.54	0.01	0.00	0.00	5.86	2.00
74.00	14.54	0.00	0.00	0.00	5.81	2.00
75.00	14.54	0.00	0.00	0.00	5.76	2.00
76.00	14.54	0.00	0.00	0.00	5.71	2.00
77.00	14.54	0.00	0.00	0.00	5.66	2.00
78.00	14.54	0.00	0.00	0.00	5.61	2.00
79.00	14.54	0.00	0.00	0.00	5.56	2.00
80.00	14.54	0.00	0.00	0.00	5.51	2.00

Structure: 5

From Basin: SITE
To Basin: Offsite1
Structure Type: Pump

PZ24-12000027
04/16/2025

DRC

PZ24-12000027
03/05/2025

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.
04/16/2025

DRC

PZ24-12000027
07/02/2025

DRC**PZ24- 12000027**
03/04/2026**PZ24-12000027**

On Elev = 7 ft NGVD, Off Elev = 8 ft NGVD, Capacity = 150 gpm

07/02/2025

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.00
1.00	0.07	0.00	0.00	0.00	2.50	2.00
2.00	0.13	0.00	0.00	0.00	2.50	2.00
3.00	0.20	0.01	0.00	0.00	2.50	2.00
4.00	0.26	0.03	0.00	0.00	2.51	2.00
5.00	0.33	0.05	0.00	0.00	2.52	2.00
6.00	0.39	0.06	0.00	0.00	2.53	2.00
7.00	0.46	0.07	0.00	0.00	2.54	2.00
8.00	0.52	0.08	0.00	0.00	2.56	2.00
9.00	0.59	0.09	0.00	0.00	2.58	2.00
10.00	0.65	0.10	0.00	0.00	2.61	2.00
11.00	0.72	0.10	0.00	0.00	2.63	2.00
12.00	0.78	0.11	0.00	0.00	2.66	2.00
13.00	0.85	0.11	0.00	0.00	2.68	2.00
14.00	0.91	0.11	0.00	0.00	2.71	2.00
15.00	0.98	0.12	0.00	0.00	2.74	2.00
16.00	1.04	0.12	0.00	0.00	2.77	2.00
17.00	1.11	0.12	0.00	0.00	2.80	2.00
18.00	1.17	0.13	0.00	0.00	2.83	2.00
19.00	1.24	0.13	0.00	0.00	2.86	2.00
20.00	1.30	0.13	0.00	0.00	2.89	2.00
21.00	1.37	0.13	0.00	0.00	2.92	2.00
22.00	1.43	0.13	0.00	0.00	2.96	2.00
23.00	1.50	0.13	0.00	0.00	2.99	2.00
24.00	1.56	0.13	0.00	0.00	3.02	2.00
25.00	1.66	0.20	0.00	0.00	3.07	2.00
26.00	1.75	0.20	0.00	0.00	3.12	2.00
27.00	1.85	0.20	0.00	0.00	3.17	2.00
28.00	1.94	0.20	0.00	0.00	3.21	2.00
29.00	2.04	0.21	0.00	0.00	3.27	2.00
30.00	2.13	0.21	0.00	0.00	3.32	2.00
31.00	2.23	0.21	0.00	0.00	3.37	2.00
32.00	2.32	0.21	0.00	0.00	3.42	2.00
33.00	2.42	0.21	0.00	0.00	3.47	2.00
34.00	2.51	0.21	0.00	0.00	3.52	2.00
35.00	2.61	0.21	0.00	0.00	3.57	2.00
36.00	2.70	0.21	0.00	0.00	3.63	2.00
37.00	2.80	0.21	0.00	0.00	3.68	2.00
38.00	2.89	0.21	0.00	0.00	3.73	2.00
39.00	2.99	0.21	0.00	0.00	3.78	2.00
40.00	3.08	0.22	0.00	0.00	3.84	2.00
41.00	3.18	0.22	0.00	0.00	3.89	2.00
42.00	3.27	0.22	0.00	0.00	3.94	2.00
43.00	3.37	0.22	0.00	0.00	4.00	2.00
44.00	3.46	0.22	0.00	0.00	4.05	2.00
45.00	3.56	0.22	0.00	0.00	4.10	2.00
46.00	3.65	0.22	0.00	0.00	4.16	2.00
47.00	3.75	0.22	0.00	0.00	4.21	2.00
48.00	3.84	0.22	0.00	0.00	4.26	2.00
49.00	3.95	0.25	0.00	0.00	4.32	2.00
50.00	4.05	0.25	0.00	0.00	4.38	2.00
51.00	4.18	0.30	0.00	0.00	4.45	2.00
52.00	4.32	0.34	0.00	0.00	4.53	2.00
53.00	4.50	0.44	0.00	0.00	4.63	2.00
54.00	4.73	0.54	0.00	0.00	4.75	2.00
55.00	5.00	0.64	0.00	0.00	4.89	2.00
56.00	5.31	0.74	0.00	0.00	5.02	2.00
57.00	5.67	0.88	0.00	0.00	5.07	2.00
58.00	6.12	1.08	0.00	0.00	5.15	2.00
59.00	6.72	1.54	0.00	0.00	5.26	2.00
60.00	10.86	14.85	0.00	0.00	5.78	2.00
61.00	12.05	2.38	0.00	0.00	6.13	2.00
62.00	12.59	1.22	0.00	0.00	6.17	2.00
63.00	12.94	0.78	0.00	0.00	6.15	2.00
64.00	13.26	0.76	0.00	0.00	6.15	2.00
65.00	13.45	0.46	0.00	0.00	6.12	2.00
66.00	13.64	0.45	0.00	0.00	6.09	2.00

DRC**PZ24-12000027****07/02/2025****DRC****PZ24-12000027****PZ24-12000027****04/16/2025****03/05/2025****DRC****DRC**



PZ24- 12000027
03/04/2026

PZ24-12000027
07/02/2025

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
67.00	13.83	0.45	0.00	0.00	6.05	2.00
68.00	14.03	0.45	0.00	0.00	6.02	2.00
69.00	14.15	0.31	0.00	0.00	5.99	2.00
70.00	14.28	0.30	0.00	0.00	5.96	2.00
71.00	14.41	0.30	0.00	0.00	5.94	2.00
72.00	14.54	0.30	0.00	0.00	5.91	2.00
73.00	14.54	0.01	0.00	0.00	5.86	2.00
74.00	14.54	0.00	0.00	0.00	5.81	2.00
75.00	14.54	0.00	0.00	0.00	5.76	2.00
76.00	14.54	0.00	0.00	0.00	5.71	2.00
77.00	14.54	0.00	0.00	0.00	5.66	2.00
78.00	14.54	0.00	0.00	0.00	5.61	2.00
79.00	14.54	0.00	0.00	0.00	5.56	2.00
80.00	14.54	0.00	0.00	0.00	5.51	2.00

Structure: 6

From Basin: SITE
To Basin: Offsite1
Structure Type: Pump
On Elev = 7.5 ft NGVD, Off Elev = 8 ft NGVD, Capacity = 150 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.00
1.00	0.07	0.00	0.00	0.00	2.50	2.00
2.00	0.13	0.00	0.00	0.00	2.50	2.00
3.00	0.20	0.01	0.00	0.00	2.50	2.00
4.00	0.26	0.03	0.00	0.00	2.51	2.00
5.00	0.33	0.05	0.00	0.00	2.52	2.00
6.00	0.39	0.06	0.00	0.00	2.53	2.00
7.00	0.46	0.07	0.00	0.00	2.54	2.00
8.00	0.52	0.08	0.00	0.00	2.56	2.00
9.00	0.59	0.09	0.00	0.00	2.58	2.00
10.00	0.65	0.10	0.00	0.00	2.61	2.00
11.00	0.72	0.10	0.00	0.00	2.63	2.00
12.00	0.78	0.11	0.00	0.00	2.66	2.00
13.00	0.85	0.11	0.00	0.00	2.68	2.00
14.00	0.91	0.11	0.00	0.00	2.71	2.00
15.00	0.98	0.12	0.00	0.00	2.74	2.00
16.00	1.04	0.12	0.00	0.00	2.77	2.00
17.00	1.11	0.12	0.00	0.00	2.80	2.00
18.00	1.17	0.13	0.00	0.00	2.83	2.00
19.00	1.24	0.13	0.00	0.00	2.86	2.00
20.00	1.30	0.13	0.00	0.00	2.89	2.00
21.00	1.37	0.13	0.00	0.00	2.92	2.00
22.00	1.43	0.13	0.00	0.00	2.96	2.00
23.00	1.50	0.13	0.00	0.00	2.99	2.00
24.00	1.56	0.13	0.00	0.00	3.02	2.00
25.00	1.66	0.20	0.00	0.00	3.07	2.00
26.00	1.75	0.20	0.00	0.00	3.12	2.00
27.00	1.85	0.20	0.00	0.00	3.16	2.00
28.00	1.94	0.20	0.00	0.00	3.21	2.00
29.00	2.04	0.21	0.00	0.00	3.27	2.00
30.00	2.13	0.21	0.00	0.00	3.32	2.00
31.00	2.23	0.21	0.00	0.00	3.37	2.00
32.00	2.32	0.21	0.00	0.00	3.42	2.00
33.00	2.42	0.21	0.00	0.00	3.47	2.00
34.00	2.51	0.21	0.00	0.00	3.52	2.00
35.00	2.61	0.21	0.00	0.00	3.57	2.00
36.00	2.70	0.21	0.00	0.00	3.63	2.00
37.00	2.80	0.21	0.00	0.00	3.68	2.00
38.00	2.89	0.21	0.00	0.00	3.73	2.00
39.00	2.99	0.21	0.00	0.00	3.78	2.00
40.00	3.08	0.22	0.00	0.00	3.84	2.00
41.00	3.18	0.22	0.00	0.00	3.89	2.00

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.
04/16/2025

DRC
PZ24-12000027
07/02/2025

DRC
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04/16/2025



PZ24- 12000027
03/04/2026

PZ24-12000027
07/02/2025

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
42.00	3.27	0.22	0.00	0.00	3.94	2.00
43.00	3.37	0.22	0.00	0.00	4.00	2.00
44.00	3.46	0.22	0.00	0.00	4.05	2.00
45.00	3.56	0.22	0.00	0.00	4.10	2.00
46.00	3.65	0.22	0.00	0.00	4.16	2.00
47.00	3.75	0.22	0.00	0.00	4.21	2.00
48.00	3.84	0.22	0.00	0.00	4.26	2.00
49.00	3.95	0.25	0.00	0.00	4.32	2.00
50.00	4.05	0.25	0.00	0.00	4.38	2.00
51.00	4.18	0.30	0.00	0.00	4.45	2.00
52.00	4.32	0.34	0.00	0.00	4.53	2.00
53.00	4.50	0.44	0.00	0.00	4.63	2.00
54.00	4.73	0.54	0.00	0.00	4.75	2.00
55.00	5.00	0.64	0.00	0.00	4.89	2.00
56.00	5.31	0.74	0.00	0.00	5.02	2.00
57.00	5.67	0.88	0.00	0.00	5.07	2.00
58.00	6.12	1.08	0.00	0.00	5.15	2.00
59.00	6.72	1.54	0.00	0.00	5.26	2.00
60.00	10.86	14.85	0.00	0.00	5.78	2.00
61.00	12.05	2.38	0.00	0.00	6.13	2.00
62.00	12.59	1.22	0.00	0.00	6.17	2.00
63.00	12.94	0.78	0.00	0.00	6.16	2.00
64.00	13.26	0.76	0.00	0.00	6.15	2.00
65.00	13.45	0.46	0.00	0.00	6.12	2.00
66.00	13.64	0.45	0.00	0.00	6.09	2.00
67.00	13.83	0.45	0.00	0.00	6.05	2.00
68.00	14.03	0.45	0.00	0.00	6.02	2.00
69.00	14.15	0.31	0.00	0.00	5.99	2.00
70.00	14.28	0.30	0.00	0.00	5.96	2.00
71.00	14.41	0.30	0.00	0.00	5.92	2.00
72.00	14.54	0.30	0.00	0.00	5.91	2.00
73.00	14.54	0.01	0.00	0.00	5.86	2.00
74.00	14.54	0.00	0.00	0.00	5.81	2.00
75.00	14.54	0.00	0.00	0.00	5.76	2.00
76.00	14.54	0.00	0.00	0.00	5.71	2.00
77.00	14.54	0.00	0.00	0.00	5.66	2.00
78.00	14.54	0.00	0.00	0.00	5.61	2.00
79.00	14.54	0.00	0.00	0.00	5.56	2.00
80.00	14.54	0.00	0.00	0.00	5.51	2.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	0.33	55.80	0.00	0.00
2	0.33	59.80	0.00	0.00
3	0.33	60.40	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
SITE	6.17	62.20	2.50	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
SITE	2.67	0.00	1.46	0.00	1.21	0.00

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03/04/2026

PZ24-12000027
07/02/2025

Project Name: 1600 S FEDERAL HWY
Reviewer: BMK
Project Number: 24-1832.00
Period Begin: Jan 01, 2000;0000 hr End: Jan 04, 2000;0800 hr Duration: 80 hr
Time Step: 0.2 hr, Iterations: 10

Basin 1: SITE

Method: Santa Barbara Unit Hydrograph
Rainfall Distribution: SFWMD - 3day
Design Frequency: 100 year
3 Day Rainfall: 18.01 inches
Area: 2.35 acres
Ground Storage: 0.77 inches
Time of Concentration: 0.25 hours
Initial Stage: 2.5 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
2.50	0.00
5.00	0.84
5.50	1.20
6.00	1.75
6.50	2.45
7.00	3.24
7.50	4.11
8.00	5.05
8.50	6.03

Offsite Receiving Body: Offsitel

Time (hr)	Stage (ft NGVD)
0.00	2.00
80.00	2.00

DRC

PZ24-12000027
07/02/2025

Structure: 1

From Basin: SITE
To Basin: Offsitel
Structure Type: Pump
On Elev = 5 ft NGVD, Off Elev = 8 ft NGVD, Capacity = 150 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.00
1.00	0.08	0.00	0.00	0.00	2.50	2.00
2.00	0.16	0.00	0.00	0.00	2.50	2.00
3.00	0.24	0.03	0.00	0.00	2.50	2.00
4.00	0.32	0.06	0.00	0.00	2.51	2.00
5.00	0.40	0.08	0.00	0.00	2.53	2.00
6.00	0.48	0.09	0.00	0.00	2.55	2.00
7.00	0.56	0.11	0.00	0.00	2.58	2.00
8.00	0.64	0.12	0.00	0.00	2.60	2.00
9.00	0.73	0.13	0.00	0.00	2.63	2.00
10.00	0.81	0.13	0.00	0.00	2.67	2.00
11.00	0.89	0.14	0.00	0.00	2.70	2.00
12.00	0.97	0.14	0.00	0.00	2.73	2.00
13.00	1.05	0.15	0.00	0.00	2.77	2.00
14.00	1.13	0.15	0.00	0.00	2.81	2.00
15.00	1.21	0.16	0.00	0.00	2.85	2.00
16.00	1.29	0.16	0.00	0.00	2.88	2.00
17.00	1.37	0.16	0.00	0.00	2.91	2.00
18.00	1.45	0.16	0.00	0.00	2.96	2.00
19.00	1.53	0.17	0.00	0.00	3.00	2.00
20.00	1.61	0.17	0.00	0.00	3.05	2.00

DRC

PZ24-12000027
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PZ24-12000027
03/05/2025

DRC**PZ24- 12000027**
03/04/2026**PZ24-12000027****07/02/2025**

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
21.00	1.69	0.17	0.00	0.00	3.09	2.00
22.00	1.77	0.17	0.00	0.00	3.13	2.00
23.00	1.85	0.17	0.00	0.00	3.17	2.00
24.00	1.93	0.17	0.00	0.00	3.21	2.00
25.00	2.05	0.25	0.00	0.00	3.27	2.00
26.00	2.17	0.26	0.00	0.00	3.33	2.00
27.00	2.29	0.26	0.00	0.00	3.40	2.00
28.00	2.41	0.26	0.00	0.00	3.46	2.00
29.00	2.52	0.26	0.00	0.00	3.52	2.00
30.00	2.64	0.26	0.00	0.00	3.59	2.00
31.00	2.76	0.26	0.00	0.00	3.65	2.00
32.00	2.88	0.26	0.00	0.00	3.72	2.00
33.00	2.99	0.27	0.00	0.00	3.78	2.00
34.00	3.11	0.27	0.00	0.00	3.85	2.00
35.00	3.23	0.27	0.00	0.00	3.92	2.00
36.00	3.35	0.27	0.00	0.00	3.98	2.00
37.00	3.46	0.27	0.00	0.00	4.05	2.00
38.00	3.58	0.27	0.00	0.00	4.11	2.00
39.00	3.70	0.27	0.00	0.00	4.18	2.00
40.00	3.82	0.27	0.00	0.00	4.25	2.00
41.00	3.93	0.27	0.00	0.00	4.31	2.00
42.00	4.05	0.27	0.00	0.00	4.38	2.00
43.00	4.17	0.27	0.00	0.00	4.45	2.00
44.00	4.29	0.27	0.00	0.00	4.51	2.00
45.00	4.40	0.27	0.00	0.00	4.58	2.00
46.00	4.52	0.27	0.00	0.00	4.65	2.00
47.00	4.64	0.27	0.00	0.00	4.71	2.00
48.00	4.76	0.27	0.00	0.00	4.78	2.00
49.00	4.89	0.31	0.00	0.00	4.85	2.00
50.00	5.02	0.31	0.00	0.00	4.92	2.00
51.00	5.18	0.37	0.33	0.01	5.00	2.00
52.00	5.35	0.42	0.33	0.03	5.01	2.00
53.00	5.58	0.55	0.33	0.06	5.03	2.00
54.00	5.86	0.67	0.33	0.09	5.06	2.00
55.00	6.19	0.80	0.33	0.12	5.11	2.00
56.00	6.57	0.92	0.33	0.14	5.17	2.00
57.00	7.02	1.10	0.33	0.17	5.25	2.00
58.00	7.58	1.35	0.33	0.20	5.35	2.00
59.00	8.32	1.92	0.33	0.23	5.49	2.00
60.00	13.45	18.43	0.33	0.25	6.02	2.00
61.00	14.92	2.95	0.33	0.28	6.41	2.00
62.00	15.60	1.51	0.33	0.31	6.47	2.00
63.00	16.02	0.97	0.33	0.34	6.47	2.00
64.00	16.42	0.94	0.33	0.36	6.47	2.00
65.00	16.66	0.57	0.33	0.39	6.45	2.00
66.00	16.90	0.56	0.33	0.42	6.43	2.00
67.00	17.14	0.56	0.33	0.45	6.40	2.00
68.00	17.37	0.56	0.33	0.48	6.37	2.00
69.00	17.53	0.38	0.33	0.50	6.34	2.00
70.00	17.69	0.38	0.33	0.53	6.30	2.00
71.00	17.85	0.38	0.33	0.56	6.27	2.00
72.00	18.01	0.38	0.33	0.59	6.23	2.00
73.00	18.01	0.01	0.33	0.61	6.17	2.00
74.00	18.01	0.00	0.33	0.64	6.12	2.00
75.00	18.01	0.00	0.33	0.67	6.06	2.00
76.00	18.01	0.00	0.33	0.70	6.00	2.00
77.00	18.01	0.00	0.33	0.72	5.95	2.00
78.00	18.01	0.00	0.33	0.75	5.90	2.00
79.00	18.01	0.00	0.33	0.78	5.85	2.00
80.00	18.01	0.00	0.33	0.81	5.80	2.00

DRC**PZ24-12000027**
07/02/2025

Structure: 2

From Basin: SITE

To Basin: Offsite1

Structure Type: Pump

On Elev = 5.5 ft NGVD, Off Elev = 8 ft NGVD, Capacity = 150 gpm

DRC**PZ24-12000027****04/16/2025****PZ24-12000027****03/05/2025****DRC**



PZ24- 12000027
03/04/2026

PZ24-12000027
07/02/2025

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.00
1.00	0.08	0.00	0.00	0.00	2.50	2.00
2.00	0.16	0.00	0.00	0.00	2.50	2.00
3.00	0.24	0.03	0.00	0.00	2.50	2.00
4.00	0.32	0.06	0.00	0.00	2.51	2.00
5.00	0.40	0.08	0.00	0.00	2.53	2.00
6.00	0.48	0.09	0.00	0.00	2.55	2.00
7.00	0.56	0.11	0.00	0.00	2.58	2.00
8.00	0.64	0.12	0.00	0.00	2.60	2.00
9.00	0.73	0.13	0.00	0.00	2.63	2.00
10.00	0.81	0.13	0.00	0.00	2.67	2.00
11.00	0.89	0.14	0.00	0.00	2.70	2.00
12.00	0.97	0.14	0.00	0.00	2.73	2.00
13.00	1.05	0.15	0.00	0.00	2.77	2.00
14.00	1.13	0.15	0.00	0.00	2.81	2.00
15.00	1.21	0.16	0.00	0.00	2.85	2.00
16.00	1.29	0.16	0.00	0.00	2.88	2.00
17.00	1.37	0.16	0.00	0.00	2.92	2.00
18.00	1.45	0.16	0.00	0.00	2.96	2.00
19.00	1.53	0.17	0.00	0.00	3.00	2.00
20.00	1.61	0.17	0.00	0.00	3.05	2.00
21.00	1.69	0.17	0.00	0.00	3.09	2.00
22.00	1.77	0.17	0.00	0.00	3.13	2.00
23.00	1.85	0.17	0.00	0.00	3.17	2.00
24.00	1.93	0.17	0.00	0.00	3.21	2.00
25.00	2.05	0.25	0.00	0.00	3.27	2.00
26.00	2.17	0.26	0.00	0.00	3.33	2.00
27.00	2.29	0.26	0.00	0.00	3.40	2.00
28.00	2.41	0.26	0.00	0.00	3.46	2.00
29.00	2.52	0.26	0.00	0.00	3.53	2.00
30.00	2.64	0.26	0.00	0.00	3.59	2.00
31.00	2.76	0.26	0.00	0.00	3.65	2.00
32.00	2.88	0.26	0.00	0.00	3.72	2.00
33.00	2.99	0.27	0.00	0.00	3.78	2.00
34.00	3.11	0.27	0.00	0.00	3.85	2.00
35.00	3.23	0.27	0.00	0.00	3.92	2.00
36.00	3.35	0.27	0.00	0.00	3.98	2.00
37.00	3.46	0.27	0.00	0.00	4.05	2.00
38.00	3.58	0.27	0.00	0.00	4.11	2.00
39.00	3.70	0.27	0.00	0.00	4.18	2.00
40.00	3.82	0.27	0.00	0.00	4.25	2.00
41.00	3.93	0.27	0.00	0.00	4.31	2.00
42.00	4.05	0.27	0.00	0.00	4.38	2.00
43.00	4.17	0.27	0.00	0.00	4.45	2.00
44.00	4.29	0.27	0.00	0.00	4.51	2.00
45.00	4.40	0.27	0.00	0.00	4.58	2.00
46.00	4.52	0.27	0.00	0.00	4.65	2.00
47.00	4.64	0.27	0.00	0.00	4.71	2.00
48.00	4.76	0.27	0.00	0.00	4.78	2.00
49.00	4.89	0.31	0.00	0.00	4.85	2.00
50.00	5.02	0.31	0.00	0.00	4.93	2.00
51.00	5.18	0.37	0.00	0.00	5.00	2.00
52.00	5.35	0.42	0.00	0.00	5.01	2.00
53.00	5.58	0.55	0.00	0.00	5.03	2.00
54.00	5.86	0.67	0.00	0.00	5.06	2.00
55.00	6.19	0.80	0.00	0.00	5.11	2.00
56.00	6.57	0.92	0.00	0.00	5.17	2.00
57.00	7.02	1.10	0.00	0.00	5.25	2.00
58.00	7.58	1.35	0.00	0.00	5.35	2.00
59.00	8.32	1.92	0.00	0.00	5.49	2.00
60.00	13.45	18.43	0.33	0.03	6.02	2.00
61.00	14.92	2.95	0.33	0.06	6.41	2.00
62.00	15.60	1.51	0.33	0.08	6.47	2.00
63.00	16.02	0.97	0.33	0.11	6.47	2.00
64.00	16.42	0.94	0.33	0.14	6.47	2.00
65.00	16.66	0.57	0.33	0.17	6.43	2.00
66.00	16.90	0.56	0.33	0.19	6.43	2.00
67.00	17.14	0.56	0.33	0.22	6.40	2.00
68.00	17.37	0.56	0.33	0.25	6.37	2.00

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.

DRC

PZ24-12000027
07/02/2025

DRC

DRC

PZ24-12000027
04/16/2025

PZ24-12000027
03/05/2025

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PZ24- 12000027
03/04/2026

PZ24-12000027
07/02/2025

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
69.00	17.53	0.38	0.33	0.28	6.34	2.00
70.00	17.69	0.38	0.33	0.30	6.30	2.00
71.00	17.85	0.38	0.33	0.33	6.27	2.00
72.00	18.01	0.38	0.33	0.36	6.23	2.00
73.00	18.01	0.01	0.33	0.39	6.17	2.00
74.00	18.01	0.00	0.33	0.41	6.12	2.00
75.00	18.01	0.00	0.33	0.44	6.06	2.00
76.00	18.01	0.00	0.33	0.47	6.00	2.00
77.00	18.01	0.00	0.33	0.50	5.95	2.00
78.00	18.01	0.00	0.33	0.52	5.90	2.00
79.00	18.01	0.00	0.33	0.55	5.85	2.00
80.00	18.01	0.00	0.33	0.58	5.80	2.00

Structure: 3

From Basin: SITE
To Basin: Offsite1
Structure Type: Pump
On Elev = 6 ft NGVD, Off Elev = 8 ft NGVD, Capacity = 150 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.00
1.00	0.08	0.00	0.00	0.00	2.50	2.00
2.00	0.16	0.00	0.00	0.00	2.50	2.00
3.00	0.24	0.03	0.00	0.00	2.50	2.00
4.00	0.32	0.06	0.00	0.00	2.50	2.00
5.00	0.40	0.08	0.00	0.00	2.53	2.00
6.00	0.48	0.09	0.00	0.00	2.55	2.00
7.00	0.56	0.11	0.00	0.00	2.58	2.00
8.00	0.64	0.12	0.00	0.00	2.60	2.00
9.00	0.73	0.13	0.00	0.00	2.63	2.00
10.00	0.81	0.13	0.00	0.00	2.67	2.00
11.00	0.89	0.14	0.00	0.00	2.70	2.00
12.00	0.97	0.14	0.00	0.00	2.73	2.00
13.00	1.05	0.15	0.00	0.00	2.77	2.00
14.00	1.13	0.15	0.00	0.00	2.81	2.00
15.00	1.21	0.16	0.00	0.00	2.85	2.00
16.00	1.29	0.16	0.00	0.00	2.88	2.00
17.00	1.37	0.16	0.00	0.00	2.92	2.00
18.00	1.45	0.16	0.00	0.00	2.96	2.00
19.00	1.53	0.17	0.00	0.00	3.00	2.00
20.00	1.61	0.17	0.00	0.00	3.05	2.00
21.00	1.69	0.17	0.00	0.00	3.09	2.00
22.00	1.77	0.17	0.00	0.00	3.13	2.00
23.00	1.85	0.17	0.00	0.00	3.17	2.00
24.00	1.93	0.17	0.00	0.00	3.21	2.00
25.00	2.05	0.25	0.00	0.00	3.27	2.00
26.00	2.17	0.26	0.00	0.00	3.33	2.00
27.00	2.29	0.26	0.00	0.00	3.40	2.00
28.00	2.41	0.26	0.00	0.00	3.46	2.00
29.00	2.52	0.26	0.00	0.00	3.52	2.00
30.00	2.64	0.26	0.00	0.00	3.59	2.00
31.00	2.76	0.26	0.00	0.00	3.65	2.00
32.00	2.88	0.26	0.00	0.00	3.72	2.00
33.00	2.99	0.27	0.00	0.00	3.78	2.00
34.00	3.11	0.27	0.00	0.00	3.85	2.00
35.00	3.23	0.27	0.00	0.00	3.92	2.00
36.00	3.35	0.27	0.00	0.00	3.98	2.00
37.00	3.46	0.27	0.00	0.00	4.05	2.00
38.00	3.58	0.27	0.00	0.00	4.11	2.00
39.00	3.70	0.27	0.00	0.00	4.18	2.00
40.00	3.82	0.27	0.00	0.00	4.25	2.00
41.00	3.93	0.27	0.00	0.00	4.31	2.00
42.00	4.05	0.27	0.00	0.00	4.38	2.00
43.00	4.17	0.27	0.00	0.00	4.45	2.00

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Building Permit Application.
04/16/2025

DRC

PZ24-12000027
07/02/2025

DRC

PZ24-12000027
04/16/2025

PZ24-12000027
03/05/2025



PZ24- 12000027
03/04/2026

PZ24-12000027
07/02/2025

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
44.00	4.29	0.27	0.00	0.00	4.51	2.00
45.00	4.40	0.27	0.00	0.00	4.58	2.00
46.00	4.52	0.27	0.00	0.00	4.65	2.00
47.00	4.64	0.27	0.00	0.00	4.71	2.00
48.00	4.76	0.27	0.00	0.00	4.78	2.00
49.00	4.89	0.31	0.00	0.00	4.85	2.00
50.00	5.02	0.31	0.00	0.00	4.93	2.00
51.00	5.18	0.37	0.00	0.00	5.00	2.00
52.00	5.35	0.42	0.00	0.00	5.01	2.00
53.00	5.58	0.55	0.00	0.00	5.03	2.00
54.00	5.86	0.67	0.00	0.00	5.06	2.00
55.00	6.19	0.80	0.00	0.00	5.11	2.00
56.00	6.57	0.92	0.00	0.00	5.17	2.00
57.00	7.02	1.10	0.00	0.00	5.25	2.00
58.00	7.58	1.35	0.00	0.00	5.35	2.00
59.00	8.32	1.92	0.00	0.00	5.49	2.00
60.00	13.45	18.43	0.33	0.01	6.02	2.00
61.00	14.92	2.95	0.33	0.03	6.41	2.00
62.00	15.60	1.51	0.33	0.06	6.47	2.00
63.00	16.02	0.97	0.33	0.09	6.47	2.00
64.00	16.42	0.94	0.33	0.12	6.47	2.00
65.00	16.66	0.57	0.33	0.14	6.45	2.00
66.00	16.90	0.56	0.33	0.17	6.43	2.00
67.00	17.14	0.56	0.33	0.20	6.40	2.00
68.00	17.37	0.56	0.33	0.23	6.37	2.00
69.00	17.53	0.38	0.33	0.25	6.34	2.00
70.00	17.69	0.38	0.33	0.28	6.30	2.00
71.00	17.85	0.38	0.33	0.31	6.27	2.00
72.00	18.01	0.38	0.33	0.34	6.23	2.00
73.00	18.01	0.01	0.33	0.36	6.19	2.00
74.00	18.01	0.00	0.33	0.39	6.12	2.00
75.00	18.01	0.00	0.33	0.42	6.06	2.00
76.00	18.01	0.00	0.00	0.44	6.00	2.00
77.00	18.01	0.00	0.00	0.44	5.95	2.00
78.00	18.01	0.00	0.00	0.44	5.90	2.00
79.00	18.01	0.00	0.00	0.44	5.85	2.00
80.00	18.01	0.00	0.00	0.44	5.80	2.00

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.
04/16/2025

DRC

PZ24-12000027
07/02/2025

Structure: 4

From Basin: SITE
To Basin: Offsite1
Structure Type: Pump
On Elev = 6.5 ft NGVD, Off Elev = 8 ft NGVD, Capacity = 150 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.00
1.00	0.08	0.00	0.00	0.00	2.50	2.00
2.00	0.16	0.00	0.00	0.00	2.50	2.00
3.00	0.24	0.03	0.00	0.00	2.50	2.00
4.00	0.32	0.06	0.00	0.00	2.51	2.00
5.00	0.40	0.08	0.00	0.00	2.53	2.00
6.00	0.48	0.09	0.00	0.00	2.55	2.00
7.00	0.56	0.11	0.00	0.00	2.58	2.00
8.00	0.64	0.12	0.00	0.00	2.60	2.00
9.00	0.73	0.13	0.00	0.00	2.63	2.00
10.00	0.81	0.13	0.00	0.00	2.67	2.00
11.00	0.89	0.14	0.00	0.00	2.70	2.00
12.00	0.97	0.14	0.00	0.00	2.73	2.00
13.00	1.05	0.15	0.00	0.00	2.77	2.00
14.00	1.13	0.15	0.00	0.00	2.81	2.00
15.00	1.21	0.16	0.00	0.00	2.85	2.00
16.00	1.29	0.16	0.00	0.00	2.88	2.00
17.00	1.37	0.16	0.00	0.00	2.92	2.00
18.00	1.45	0.16	0.00	0.00	2.96	2.00

DRC

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Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
19.00	1.53	0.17	0.00	0.00	3.00	2.00
20.00	1.61	0.17	0.00	0.00	3.05	2.00
21.00	1.69	0.17	0.00	0.00	3.09	2.00
22.00	1.77	0.17	0.00	0.00	3.13	2.00
23.00	1.85	0.17	0.00	0.00	3.17	2.00
24.00	1.93	0.17	0.00	0.00	3.21	2.00
25.00	2.05	0.25	0.00	0.00	3.27	2.00
26.00	2.17	0.26	0.00	0.00	3.33	2.00
27.00	2.29	0.26	0.00	0.00	3.40	2.00
28.00	2.41	0.26	0.00	0.00	3.46	2.00
29.00	2.52	0.26	0.00	0.00	3.52	2.00
30.00	2.64	0.26	0.00	0.00	3.59	2.00
31.00	2.76	0.26	0.00	0.00	3.65	2.00
32.00	2.88	0.26	0.00	0.00	3.72	2.00
33.00	2.99	0.27	0.00	0.00	3.78	2.00
34.00	3.11	0.27	0.00	0.00	3.85	2.00
35.00	3.23	0.27	0.00	0.00	3.92	2.00
36.00	3.35	0.27	0.00	0.00	3.98	2.00
37.00	3.46	0.27	0.00	0.00	4.05	2.00
38.00	3.58	0.27	0.00	0.00	4.11	2.00
39.00	3.70	0.27	0.00	0.00	4.18	2.00
40.00	3.82	0.27	0.00	0.00	4.25	2.00
41.00	3.93	0.27	0.00	0.00	4.31	2.00
42.00	4.05	0.27	0.00	0.00	4.38	2.00
43.00	4.17	0.27	0.00	0.00	4.45	2.00
44.00	4.29	0.27	0.00	0.00	4.51	2.00
45.00	4.40	0.27	0.00	0.00	4.58	2.00
46.00	4.52	0.27	0.00	0.00	4.65	2.00
47.00	4.64	0.27	0.00	0.00	4.71	2.00
48.00	4.76	0.27	0.00	0.00	4.77	2.00
49.00	4.89	0.31	0.00	0.00	4.85	2.00
50.00	5.02	0.31	0.00	0.00	4.93	2.00
51.00	5.18	0.37	0.00	0.00	5.00	2.00
52.00	5.35	0.42	0.00	0.00	5.01	2.00
53.00	5.58	0.55	0.00	0.00	5.03	2.00
54.00	5.86	0.67	0.00	0.00	5.06	2.00
55.00	6.19	0.80	0.00	0.00	5.11	2.00
56.00	6.57	0.92	0.00	0.00	5.17	2.00
57.00	7.02	1.10	0.00	0.00	5.25	2.00
58.00	7.58	1.35	0.00	0.00	5.35	2.00
59.00	8.32	1.92	0.00	0.00	5.49	2.00
60.00	13.45	18.43	0.00	0.00	6.02	2.00
61.00	14.92	2.95	0.00	0.00	6.41	2.00
62.00	15.60	1.51	0.00	0.00	6.47	2.00
63.00	16.02	0.97	0.00	0.00	6.47	2.00
64.00	16.42	0.94	0.00	0.00	6.47	2.00
65.00	16.66	0.57	0.00	0.00	6.45	2.00
66.00	16.90	0.56	0.00	0.00	6.43	2.00
67.00	17.14	0.56	0.00	0.00	6.40	2.00
68.00	17.37	0.56	0.00	0.00	6.37	2.00
69.00	17.53	0.38	0.00	0.00	6.34	2.00
70.00	17.69	0.38	0.00	0.00	6.30	2.00
71.00	17.85	0.38	0.00	0.00	6.27	2.00
72.00	18.01	0.38	0.00	0.00	6.23	2.00
73.00	18.01	0.01	0.00	0.00	6.17	2.00
74.00	18.01	0.00	0.00	0.00	6.12	2.00
75.00	18.01	0.00	0.00	0.00	6.06	2.00
76.00	18.01	0.00	0.00	0.00	6.00	2.00
77.00	18.01	0.00	0.00	0.00	5.95	2.00
78.00	18.01	0.00	0.00	0.00	5.90	2.00
79.00	18.01	0.00	0.00	0.00	5.85	2.00
80.00	18.01	0.00	0.00	0.00	5.80	2.00

DRC

PZ24-12000027
07/02/2025

Structure: 5

From Basin: SITE
To Basin: Offsite1
Structure Type: Pump

DRC

PZ24-12000027
04/16/2025

PZ24-12000027
03/05/2025

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.
04/16/2025



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03/04/2026

PZ24-12000027
07/02/2025

On Elev = 7 ft NGVD, Off Elev = 8 ft NGVD, Capacity = 150 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.00
1.00	0.08	0.00	0.00	0.00	2.50	2.00
2.00	0.16	0.00	0.00	0.00	2.50	2.00
3.00	0.24	0.03	0.00	0.00	2.50	2.00
4.00	0.32	0.06	0.00	0.00	2.51	2.00
5.00	0.40	0.08	0.00	0.00	2.53	2.00
6.00	0.48	0.09	0.00	0.00	2.55	2.00
7.00	0.56	0.11	0.00	0.00	2.58	2.00
8.00	0.64	0.12	0.00	0.00	2.60	2.00
9.00	0.73	0.13	0.00	0.00	2.63	2.00
10.00	0.81	0.13	0.00	0.00	2.67	2.00
11.00	0.89	0.14	0.00	0.00	2.70	2.00
12.00	0.97	0.14	0.00	0.00	2.73	2.00
13.00	1.05	0.15	0.00	0.00	2.77	2.00
14.00	1.13	0.15	0.00	0.00	2.81	2.00
15.00	1.21	0.16	0.00	0.00	2.85	2.00
16.00	1.29	0.16	0.00	0.00	2.88	2.00
17.00	1.37	0.16	0.00	0.00	2.92	2.00
18.00	1.45	0.16	0.00	0.00	2.96	2.00
19.00	1.53	0.17	0.00	0.00	3.00	2.00
20.00	1.61	0.17	0.00	0.00	3.05	2.00
21.00	1.69	0.17	0.00	0.00	3.09	2.00
22.00	1.77	0.17	0.00	0.00	3.13	2.00
23.00	1.85	0.17	0.00	0.00	3.17	2.00
24.00	1.93	0.17	0.00	0.00	3.21	2.00
25.00	2.05	0.25	0.00	0.00	3.27	2.00
26.00	2.17	0.26	0.00	0.00	3.33	2.00
27.00	2.29	0.26	0.00	0.00	3.40	2.00
28.00	2.41	0.26	0.00	0.00	3.46	2.00
29.00	2.52	0.26	0.00	0.00	3.52	2.00
30.00	2.64	0.26	0.00	0.00	3.59	2.00
31.00	2.76	0.26	0.00	0.00	3.65	2.00
32.00	2.88	0.26	0.00	0.00	3.72	2.00
33.00	2.99	0.27	0.00	0.00	3.78	2.00
34.00	3.11	0.27	0.00	0.00	3.85	2.00
35.00	3.23	0.27	0.00	0.00	3.92	2.00
36.00	3.35	0.27	0.00	0.00	3.98	2.00
37.00	3.46	0.27	0.00	0.00	4.05	2.00
38.00	3.58	0.27	0.00	0.00	4.11	2.00
39.00	3.70	0.27	0.00	0.00	4.18	2.00
40.00	3.82	0.27	0.00	0.00	4.25	2.00
41.00	3.93	0.27	0.00	0.00	4.31	2.00
42.00	4.05	0.27	0.00	0.00	4.38	2.00
43.00	4.17	0.27	0.00	0.00	4.45	2.00
44.00	4.29	0.27	0.00	0.00	4.51	2.00
45.00	4.40	0.27	0.00	0.00	4.58	2.00
46.00	4.52	0.27	0.00	0.00	4.65	2.00
47.00	4.64	0.27	0.00	0.00	4.71	2.00
48.00	4.76	0.27	0.00	0.00	4.78	2.00
49.00	4.89	0.31	0.00	0.00	4.85	2.00
50.00	5.02	0.31	0.00	0.00	4.93	2.00
51.00	5.18	0.37	0.00	0.00	5.00	2.00
52.00	5.35	0.42	0.00	0.00	5.01	2.00
53.00	5.58	0.55	0.00	0.00	5.03	2.00
54.00	5.86	0.67	0.00	0.00	5.06	2.00
55.00	6.19	0.80	0.00	0.00	5.11	2.00
56.00	6.57	0.92	0.00	0.00	5.17	2.00
57.00	7.02	1.10	0.00	0.00	5.25	2.00
58.00	7.58	1.35	0.00	0.00	5.35	2.00
59.00	8.32	1.92	0.00	0.00	5.49	2.00
60.00	13.45	18.43	0.00	0.00	6.02	2.00
61.00	14.92	2.95	0.00	0.00	6.41	2.00
62.00	15.60	1.51	0.00	0.00	6.47	2.00
63.00	16.02	0.97	0.00	0.00	6.47	2.00
64.00	16.42	0.94	0.00	0.00	6.47	2.00
65.00	16.66	0.57	0.00	0.00	6.45	2.00
66.00	16.90	0.56	0.00	0.00	6.43	2.00

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.
04/16/2025

DRC

PZ24-12000027
07/02/2025

DRC

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03/05/2025



PZ24- 12000027
03/04/2026

PZ24-12000027
07/02/2025

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
67.00	17.14	0.56	0.00	0.00	6.40	2.00
68.00	17.37	0.56	0.00	0.00	6.37	2.00
69.00	17.53	0.38	0.00	0.00	6.34	2.00
70.00	17.69	0.38	0.00	0.00	6.30	2.00
71.00	17.85	0.38	0.00	0.00	6.27	2.00
72.00	18.01	0.38	0.00	0.00	6.23	2.00
73.00	18.01	0.01	0.00	0.00	6.17	2.00
74.00	18.01	0.00	0.00	0.00	6.12	2.00
75.00	18.01	0.00	0.00	0.00	6.06	2.00
76.00	18.01	0.00	0.00	0.00	6.00	2.00
77.00	18.01	0.00	0.00	0.00	5.95	2.00
78.00	18.01	0.00	0.00	0.00	5.90	2.00
79.00	18.01	0.00	0.00	0.00	5.85	2.00
80.00	18.01	0.00	0.00	0.00	5.80	2.00

Structure: 6

From Basin: SITE
To Basin: Offsite1
Structure Type: Pump
On Elev = 7.5 ft NGVD, Off Elev = 8 ft NGVD, Capacity = 150 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.00
1.00	0.08	0.00	0.00	0.00	2.50	2.00
2.00	0.16	0.00	0.00	0.00	2.50	2.00
3.00	0.24	0.03	0.00	0.00	2.50	2.00
4.00	0.32	0.06	0.00	0.00	2.51	2.00
5.00	0.40	0.08	0.00	0.00	2.53	2.00
6.00	0.48	0.09	0.00	0.00	2.55	2.00
7.00	0.56	0.11	0.00	0.00	2.58	2.00
8.00	0.64	0.12	0.00	0.00	2.60	2.00
9.00	0.73	0.13	0.00	0.00	2.63	2.00
10.00	0.81	0.13	0.00	0.00	2.67	2.00
11.00	0.89	0.14	0.00	0.00	2.70	2.00
12.00	0.97	0.14	0.00	0.00	2.73	2.00
13.00	1.05	0.15	0.00	0.00	2.77	2.00
14.00	1.13	0.15	0.00	0.00	2.81	2.00
15.00	1.21	0.16	0.00	0.00	2.85	2.00
16.00	1.29	0.16	0.00	0.00	2.88	2.00
17.00	1.37	0.16	0.00	0.00	2.92	2.00
18.00	1.45	0.16	0.00	0.00	2.96	2.00
19.00	1.53	0.17	0.00	0.00	3.00	2.00
20.00	1.61	0.17	0.00	0.00	3.05	2.00
21.00	1.69	0.17	0.00	0.00	3.09	2.00
22.00	1.77	0.17	0.00	0.00	3.13	2.00
23.00	1.85	0.17	0.00	0.00	3.17	2.00
24.00	1.93	0.17	0.00	0.00	3.21	2.00
25.00	2.05	0.25	0.00	0.00	3.27	2.00
26.00	2.17	0.26	0.00	0.00	3.33	2.00
27.00	2.29	0.26	0.00	0.00	3.40	2.00
28.00	2.41	0.26	0.00	0.00	3.46	2.00
29.00	2.52	0.26	0.00	0.00	3.52	2.00
30.00	2.64	0.26	0.00	0.00	3.59	2.00
31.00	2.76	0.26	0.00	0.00	3.65	2.00
32.00	2.88	0.26	0.00	0.00	3.72	2.00
33.00	2.99	0.27	0.00	0.00	3.78	2.00
34.00	3.11	0.27	0.00	0.00	3.85	2.00
35.00	3.23	0.27	0.00	0.00	3.92	2.00
36.00	3.35	0.27	0.00	0.00	3.98	2.00
37.00	3.46	0.27	0.00	0.00	4.05	2.00
38.00	3.58	0.27	0.00	0.00	4.11	2.00
39.00	3.70	0.27	0.00	0.00	4.18	2.00
40.00	3.82	0.27	0.00	0.00	4.25	2.00
41.00	3.93	0.27	0.00	0.00	4.31	2.00

Received after DRC Meeting
to address DRC comments
prior to the submission of a
Building Permit Application.

DRC
PZ24-12000027
07/02/2025

DRC
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03/05/2025

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04/16/2025



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03/04/2026

PZ24-12000027
07/02/2025

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
42.00	4.05	0.27	0.00	0.00	4.38	2.00
43.00	4.17	0.27	0.00	0.00	4.45	2.00
44.00	4.29	0.27	0.00	0.00	4.51	2.00
45.00	4.40	0.27	0.00	0.00	4.58	2.00
46.00	4.52	0.27	0.00	0.00	4.65	2.00
47.00	4.64	0.27	0.00	0.00	4.71	2.00
48.00	4.76	0.27	0.00	0.00	4.78	2.00
49.00	4.89	0.31	0.00	0.00	4.85	2.00
50.00	5.02	0.31	0.00	0.00	4.93	2.00
51.00	5.18	0.37	0.00	0.00	5.00	2.00
52.00	5.35	0.42	0.00	0.00	5.01	2.00
53.00	5.58	0.55	0.00	0.00	5.03	2.00
54.00	5.86	0.67	0.00	0.00	5.06	2.00
55.00	6.19	0.80	0.00	0.00	5.11	2.00
56.00	6.57	0.92	0.00	0.00	5.17	2.00
57.00	7.02	1.10	0.00	0.00	5.25	2.00
58.00	7.58	1.35	0.00	0.00	5.35	2.00
59.00	8.32	1.92	0.00	0.00	5.49	2.00
60.00	13.45	18.43	0.00	0.00	6.02	2.00
61.00	14.92	2.95	0.00	0.00	6.41	2.00
62.00	15.60	1.51	0.00	0.00	6.47	2.00
63.00	16.02	0.97	0.00	0.00	6.47	2.00
64.00	16.42	0.94	0.00	0.00	6.47	2.00
65.00	16.66	0.57	0.00	0.00	6.45	2.00
66.00	16.90	0.56	0.00	0.00	6.43	2.00
67.00	17.14	0.56	0.00	0.00	6.40	2.00
68.00	17.37	0.56	0.00	0.00	6.37	2.00
69.00	17.53	0.38	0.00	0.00	6.34	2.00
70.00	17.69	0.38	0.00	0.00	6.30	2.00
71.00	17.85	0.38	0.00	0.00	6.29	2.00
72.00	18.01	0.38	0.00	0.00	6.23	2.00
73.00	18.01	0.01	0.00	0.00	6.17	2.00
74.00	18.01	0.00	0.00	0.00	6.12	2.00
75.00	18.01	0.00	0.00	0.00	6.06	2.00
76.00	18.01	0.00	0.00	0.00	6.00	2.00
77.00	18.01	0.00	0.00	0.00	5.95	2.00
78.00	18.01	0.00	0.00	0.00	5.90	2.00
79.00	18.01	0.00	0.00	0.00	5.85	2.00
80.00	18.01	0.00	0.00	0.00	5.80	2.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	0.33	51.00	0.00	0.00
2	0.33	59.20	0.00	0.00
3	0.33	60.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
SITE	6.47	62.80	2.50	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
SITE	3.35	0.00	1.82	0.00	1.53	0.00

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