A STORMWATER MANAGMENT ANALYSIS

OF THE PROPOSED DEVELOPMENT OF

DOLLAR GENERAL

IN

THE CITY OF O'FALLON, MISSOURI

FOR

DOLLAR GENERAL
395 TR HUGHES BOULEVARD
O'FALLON, MO 63366

BAX PROJECT NO. 97-9203V

December 5, 2022

Prepared by:
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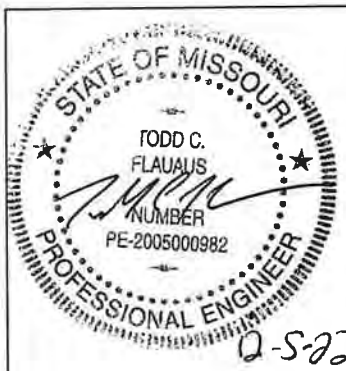

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Introduction

The currently undeveloped site is in the City of O'Fallon, at the northwest corner of the intersection of Tom Ginnever Avenue and T.R. Hughes Blvd. This report analyzes the effects of the proposed commercial development, disturbing approximately 1.41 acres. One proposed dry detention basin meets the Stormwater Attenuation required by the City of O'Fallon Design Standards. An analysis of the differential runoff identifies drainage areas requiring detention. Examining the storage volume and outflow rates ensures the peak rate of runoff leaving the tract under the postdeveloped conditions is less than or equal to the peak rate of runoff under the predeveloped conditions for the 2 Year, 15 Year, 25 Year, and 100 Year 20 Minute design storms. The 100 Year 20 Minute Low Flow Blocked (LFB) design storm model and analysis ensures safe passage.

One proposed BMP Water Quality Snout is anticipated to provide the water quality treatment for the site. The adequate sizing ensures the snout will function to provide collection of detritus.

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General Site Data and Runoff Calculations

Table 1: P.I. Factor Values displays runoff factors used for the analysis; these runoff factors are components in the rational method calculations that derived the differential runoff for both drainage areas.

Table 1: P.I. Factor Values

%Impervious	Cover	PI (2yr 20min)	PI (15yr 20min)	PI (25yr 20min)	PI (100yr 20min)
5%	Greenspace	1.15	1.70	2.00	2.29
100%	Building/Pavement	2.39	3.54	4.16	4.77

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Flood Protection

Differential Runoff Calculations

The Predeveloped and Postdeveloped site drainage is three separate Discharge Points to be analyzed for detention requirements; see Appendix D. Differential Runoff determines a drainage area's detention requirements. The rational method determines the differential runoff value for each drainage area. The Differential Runoff is the Postdeveloped Runoff for the drainage area subtracted by the Postdeveloped Runoff for the drainage area. A positive Differential Runoff requires stormwater detention within that watershed.

Drainage Area A constitutes the south section of the site and the Flared End Section at the southwest corner of the site releases Drainage Area A discharge. *Table 2: Rational Method and Differential Runoff Analysis - Drainage Area A* calculates the differential runoff of Drainage Area A to be positive values; one proposed dry detention basin provides detention requirements.

Table 2: Rational Method and Differential Runoff Analysis - Drainage Area A

Rational Method Flow Calculations - Drainage Area A						
Predevelopment						
Onsite /Offsite	Cover	Area (acres)	Q (cfs)			
			2yr 20min	15yr 20min	25yr 20min	100yr 20min
Onsite	Greenspace	1.53	1.76	2.60	3.06	3.50
Total =		1.53	1.76	2.60	3.06	3.50
Postdevelopment						
Onsite	Greenspace	1.10	1.27	1.87	2.20	2.52
	Building/Pavement	0.90	2.15	3.19	3.74	4.29
Total =		2.00	3.42	5.06	5.94	6.81
Differential Runoff =			1.66	2.46	2.88	3.31

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Drainage Area B constitutes the northwest section of the site. The onsite low point within Drainage Area B discharges towards the offsite detention facility. *Table 3: Rational Method and Differential Runoff Analysis - Drainage Area B* calculates the differential runoff of Drainage Area B to be zero; as the drainage area is unaltered, additional detention is not required nor provided.

Table 3: Rational Method and Differential Runoff Analysis - Drainage Area B

Rational Method Flow Calculations - Drainage Area B						
Predevelopment						
Onsite /Offsite	Cover	Area (acres)	Q (cfs)			
			2yr 20min	15yr 20min	25yr 20min	100yr 20min
Onsite	Greenspace	0.04	0.05	0.07	0.08	0.09
Total =		0.04	0.05	0.07	0.08	0.09
Postdevelopment						
Onsite /Offsite	Cover	Area (acres)	Q (cfs)			
			2yr 20min	15yr 20min	25yr 20min	100yr 20min
Onsite	Greenspace	0.04	0.05	0.07	0.08	0.09
Total =		0.04	0.05	0.07	0.08	0.09
Differential Runoff =			0.00	0.00	0.00	0.00

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Drainage Area C constitutes the northeast section of the site. The onsite low point within Drainage Area B discharges towards the T.R. Hughes Blvd. *Table 4: Rational Method and Differential Runoff Analysis - Drainage Area C* calculates the differential runoff of Drainage Area C as a negative value; additional detention is not required nor provided.

Table 4: Rational Method and Differential Runoff Analysis - Drainage Area C

Rational Method Flow Calculations - Drainage Area C						
Predevelopment						
Onsite /Offsite	Cover	Area (acres)	Q (cfs)			
			2yr 20min	15yr 20min	25yr 20min	100yr 20min
Onsite	Greenspace	0.05	0.06	0.09	0.10	0.11
Total =		0.05	0.06	0.09	0.10	0.11
Postdevelopment						
Onsite /Offsite	Cover	Area (acres)	Q (cfs)			
			2yr 20min	15yr 20min	25yr 20min	100yr 20min
Onsite	Greenspace	0.00	0.00	0.00	0.00	0.00
Total =		0.00	0.00	0.00	0.00	0.00
Differential Runoff =			-0.06	-0.09	-0.10	-0.11

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Detention Calculations: Drainage Area A

Drainage Area A requires additional detention, as displaying in Table 2. For this analysis a computer hydraulic modeling program, Pondpack, models the proposed Basin via Rational Method; refer to Appendix C for calculations. The Predeveloped and Postdeveloped 2 Year, 15 Year, 25 Year, and 100 Year 20 Minute Design Storm comparisons ensure proposed conditions meet the allowable release rate. The Postdeveloped 100 Year 20 Minute Low Flow Blocked Condition analysis ensures allowable freeboard.

Pondpack Inputs

Two subdrainage areas comprise Drainage Area A Basin Inflow and Direct Runoff. *Table 5: Drainage Area A Postdeveloped Basin Inflow and Direct Runoff* determines the Basin Inflow and Direct Runoff values by breaking down the areas and performing the rational method.

Table 5: Drainage Area A Postdeveloped Basin Inflow and Direct Runoff

Drainage Area A - Basin Inflow & Direct Runoff						
Basin Peak Inflow						
Onsite /Offsite	Cover	Area (acres)	Q (cfs)			
			2yr 20min	15yr 20min	25yr 20min	100yr 20min
Onsite	Greenspace	0.11	0.13	0.19	0.22	0.25
	Building/Pavement	0.86	2.06	3.04	3.58	4.1
Total Basin Inflow =		0.97	2.19	3.23	3.80	4.35
Direct Runoff						
Onsite /Offsite	Cover	Area (acres)	Q (cfs)			
			2yr 20min	15yr 20min	25yr 20min	100yr 20min
Onsite	Greenspace	0.99	1.14	1.68	1.98	2.27
	Building/Pavement	0.04	0.10	0.14	0.17	0.19
Total Direct Runoff =		1.03	1.24	1.82	2.15	2.46

Time of concentration calculations are provided in Appendix B. The Time of Concentration and the Peak Basin Inflow constitute the design storm input in Pondpack.

The Basin Volume enclosed in Appendix A; the Basin Volumes are reflected in the Pondpack.

The outfall structure for the basin is displayed in Appendix E and is modeled in Pondpack.

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Basin Routing

Subtracting the differential rate from the basin inflow rate derives the allowable release rate; *Table 6: Basin Allowable Release Rate* displays calculations.

Table 6: Basin Allowable Release Rate

Allowable Release Rate - Basin					
Storm:	Basin Inflow (cfs)	-	Differential Runoff Rate (cfs)	=	Allowable Release Rate (cfs)
2 Yr 20 Min:	2.19	-	1.66	=	0.53
15 Yr 20 Min:	3.23	-	2.46	=	0.77
25 Yr 20 Min:	3.80	-	2.88	=	0.92
100 Yr 20 Min:	4.35	-	3.31	=	1.04

Table 7: Pondpack Basin Routing Summary summarizes the routing results for the Basin. Refer to Appendix C for full Pondpack Basin Routing Results. The results ensure the calculated release rates are within the allowable limits. The Freeboard is greater than the allowable minimum of 1 foot and the water depth is within the allowable limit. The Basin meets code adequately.

Table 7: Pondpack Basin Routing Summary

Pondpack Storm Routing Calculations - Basin						
Storm	Peak Inflow (cfs)	Allowable Release Rate (cfs)	Calculated Release Rate (cfs)	Peak Elevation (ft)	Freeboard (ft)	Water Fluctuation (ft)
2 Yr 20 Min	2.19	0.53	0.49	502.45	3.05	2.45
15 Yr 20 Min	3.23	0.77	0.68	503.28	2.22	3.28
25 Yr 20 Min	3.80	0.92	0.89	503.67	1.83	3.67
100 Yr 20 Min	4.35	1.04	1.01	504.04	1.46	4.04
100 Yr 20 Min LFB	4.35	NA	4.35	504.46	1.04	4.46

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Table 8: Outfall Point Peak Postdeveloped Flows for Drainage Area A are calculated by adding the calculated release rate of the basin and the direct runoff of Drainage Area A.

Table 8: Pondpack Basin Routing Summary

Postdeveloped Outfall Release Rate - Drainage Area A					
Storm:	Direct Runoff (cfs)	+	Calculated Release Rate (cfs)	=	Postdeveloped Runoff (cfs)
2 Yr 20 Min:	1.24	+	0.49	=	1.73
15 Yr 20 Min:	1.82	+	0.68	=	2.50
25 Yr 20 Min:	2.15	+	0.89	=	3.04
100 Yr 20 Min:	2.46	+	1.01	=	3.47
100 Yr 20 Min LFB:	2.46	+	4.35	=	6.81

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Basin Sediment Storage

The City of O'Fallon design standards require that all detention facilities are designed to accommodate two years of sediment storage. This is accomplished by routing the design storm through the outfall structure and determining the 100 Year, 20 Minute storm high-water elevation via Pondpack. Using the annual sediment storage nomograph, the volume of sediment delivered to the detention basin over a 2 year period. The summation of the 2 Year Sediment Storage Volume and the 100 Year Highwater Storage results in the Required Storage Volume. The crest of the outfall structure must be at a minimum of the elevations there the required storage volume is achieved. The results are displayed in *Table 9: Basin Sediment Storage Calculations*. As displayed, the crest of outfall structure and sill are greater than elevation at with the required storage volume is achieved; this design is acceptable.

Table 9: Basin Sediment Storage Calculations

Sediment Storage - Basin	
100 Year Highwater Elevation =	504.04
100 Year Highwater Storage (ft3) =	4,470
2 Year Sediment Storage Volume (ft3) =	194.00
Required Storage Volume (ft3) =	4,663.95
Volume Achieved at Elevation =	504.16
Crest of Outfall Structure and Sill =	504.20

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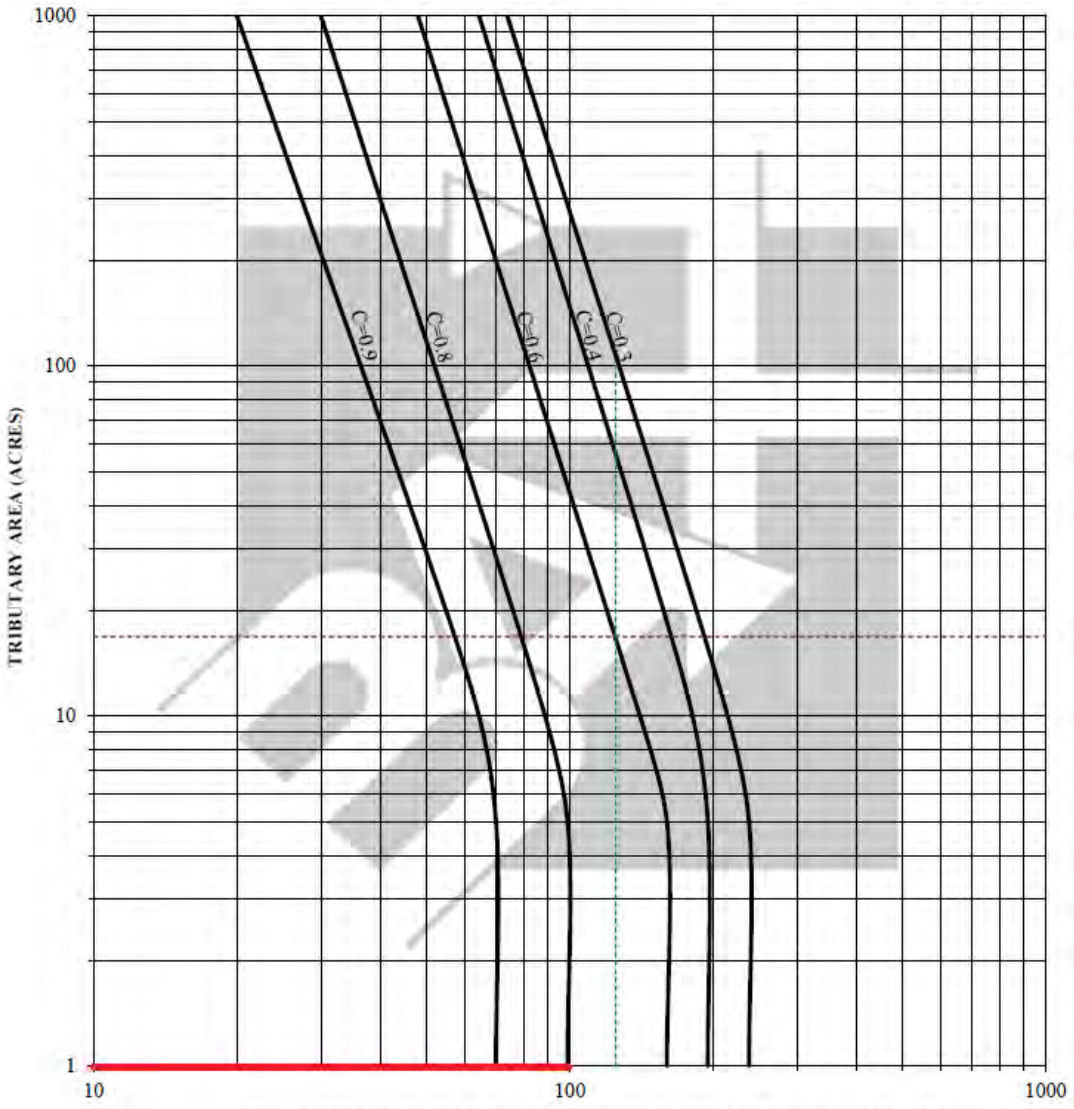
ANNUAL SEDIMENT STORAGE



Storage Required = Years of Storage * Annual Sediment * Drainage Area

<u>Storage Required = Years of Storage * Annual Sediment * Drainage Area</u>

Runoff C Value =	0.8	Years of Storage =	2
Drainage Area =	0.97		
Annual Sediment =	100	Storage Required =	194

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Summary of Drainage Area A

Discharge Point A

2 Year, 20 Minute Pre-Developed Discharge	1.76	cfs
2 Year, 20 Minute Post-Developed Discharge	1.73	cfs

✓ 2 Year, 20 Minute Detention Requirement is met at the Outfall Point ✓

15 Year, 20 Minute Pre-Developed Discharge	2.60	cfs
15 Year, 20 Minute Post-Developed Discharge	2.50	cfs

✓ 15 Year, 20 Minute Detention Requirement is met at the Outfall Point ✓

25 Year, 20 Minute Pre-Developed Discharge	3.06	cfs
25 Year, 20 Minute Post-Developed Discharge	3.04	cfs

✓ 25 Year, 20 Minute Detention Requirement is met at the Outfall Point ✓

100 Year, 20 Minute Pre-Developed Discharge	3.50	cfs
100 Year, 20 Minute Post-Developed Discharge	3.47	cfs

✓ 100 Year, 20 Minute Detention Requirement is met at the Outfall Point ✓

Dry Detention Basin	Discharge Rate	High Water
2 Year, 20 Minute Storm	0.49	3.05
15 Year, 20 Minute Storm	0.68	2.22
25 Year, 20 Minute Storm	0.89	1.83
100 Year, 24 Hour Storm	1.01	1.46
100 Year, 24 Hour Storm W/ Low Flow Blocked	4.35	1.04

Dry Detention Basin

Low Flow Slot	3.5 in. Diameter
Low Flow Slot Elevation	500.00
Structure Type	42 in. Stand Pipe
Structure Crest Elevation	504.20

✓ Sediment Storage Requirement of Dry Detention Basin is met ✓

Top of Basin Berm	505.50
Freeboard (ft)	1.04

✓ Freeboard Requirement of Dry Detention Basin is met ✓

Water Fluctuation (ft)	4.46

✓ Water Fluctuation Requirement of Dry Detention Basin is met ✓

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Water Quality

To minimize sedimentation and pollution in receiving our design will consider the Water Quality Volume requirement as described in the "Georgia Stormwater Management Manual Volumes 1,2". Water quality volume is defined as "The storage needed to capture and treat the runoff from 90% of the recorded daily rainfall events." Water quality treatment will be provided water quality snouts.

Table 10: Drainage Area A Routing breaks down the areas navigating to the Basin and the areas that are direct runoff.

Table 10: Drainage Area A Routing

Drainage Area A - Basin Routing				
Onsite/Offsite	Cover	Basin Inflow Area (acres)	Basin Inflow via CI 104 (acres)	Direct Runoff (acres)
Onsite	Greenspace	0.09	0.02	0.99
	Building/Pavement	0	0.86	0.04

Table 11: Impervious and Pervious Area Breakdown of Basin Inflow determines the areas that comprise the Basin Inflow.

Table 11: Impervious and Pervious Area Breakdown of Basin Inflow

Basin Inflow Impervious and Pervious Breakdown				
% Impervious	Cover	Basin Inflow Area (acres)	Impervious Area (acres)	Pervious Area (acres)
5%	Greenspace	0.11	0.01	0.10
100%	Building/Pavement	0.86	0.86	0.00

Table 12: Water Quality Volume Calculations calculates the volume of water requiring water quality treatment. A water quality snout as proposed for water quality treatment.

Table 12: Water Quality Volume Calculations

Water Quality Volume Calculation						
WQv = PRvA/12 % Impervious (I) = Ai/A Rv = 0.05 + 0.009(I)						
P	Watershed Area (A)	Impervious Area (Ai)	% Impervious (I)	Rv	Required WQv	
inches	acres	acres			acre-ft	cubic ft
1.14	0.97	0.87	0.89	0.85	0.08	3,424

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A BMP Water Quality Snout is proposed for CI 104 and provides the water quality treatment for the site. *Table 13: BMP Water Quality Snout Sizing for CI 104* analyzes the design of the snout on CI 104 and confirms sufficiency for water quality treatment.

The manufacturer specifies the size of the snout based on the outflow pipe form the structure. For the 12 inch RCP the 18R Snout is recommended, which allows for a maximum pipe size of 15 inches.

Specifications state the sump depth is to be a minimum of 2.5 times the inside diameter of the outflow pipe; a sump of 2.5 feet is provided and meets requirements. The sump provides prevention of sediment resuspension. The sump of the structure provides 31.42 ft^2 of sediment storage volume.

Specifications state the surface area is to be a minimum of 6 to 7 times the flow area of the outfall pipe. The structure surface is designed to be 16 times the flow area of the outfall pipe; this meets requirements.

Table 13: BMP Water Quality Snout Sizing for CI 104

CI 104 BMP Water Quality Snout						
Structure - Round			Pipe		Sump Depth (ft)	
diameter (ft)	min area (ft^2)	area (ft^2)	diameter (ft)	area (ft^2)	Min	Provided
4.00	4.71	12.57	1.00	0.79	2.50	2.50
Structure Area/Pipe Area≈			16	(6-7 Minimum)		
Sediment Storage Volume (ft^3)=			31.42			
Provided Snout=		**18R**				
Max Pipe Size=		15 inches				
Min Structure Size=		48 inches				

A Rip Rap Pad protects the earth at EP 103. Refer to Appendix F for the St. Charles County rip rap sizing chart.

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Appendices

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Appendix A

- Basin Volume

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Basin Volume				
Contour Elevation (ft)	**Contour Area** (ft^2)	**A1 + A2 + SQRT(A1*A2)** (Ft.)	**Incremental Volume** (Ft^3)	**Total Volume** (Ft^3)
500.00	0	0.00	0.00	0.00
501.00	1,110	1,110	370	370
502.00	1,266	3,561	1,187	1,557
503.00	1,425	4,034	1,345	2,902
504.00	1,580	4,505	1,502	4,404
505.00	1,734	4,969	1,656	6,060
505.50	1,810	5,316	886	6,946

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Appendix B

- Time of Concentration

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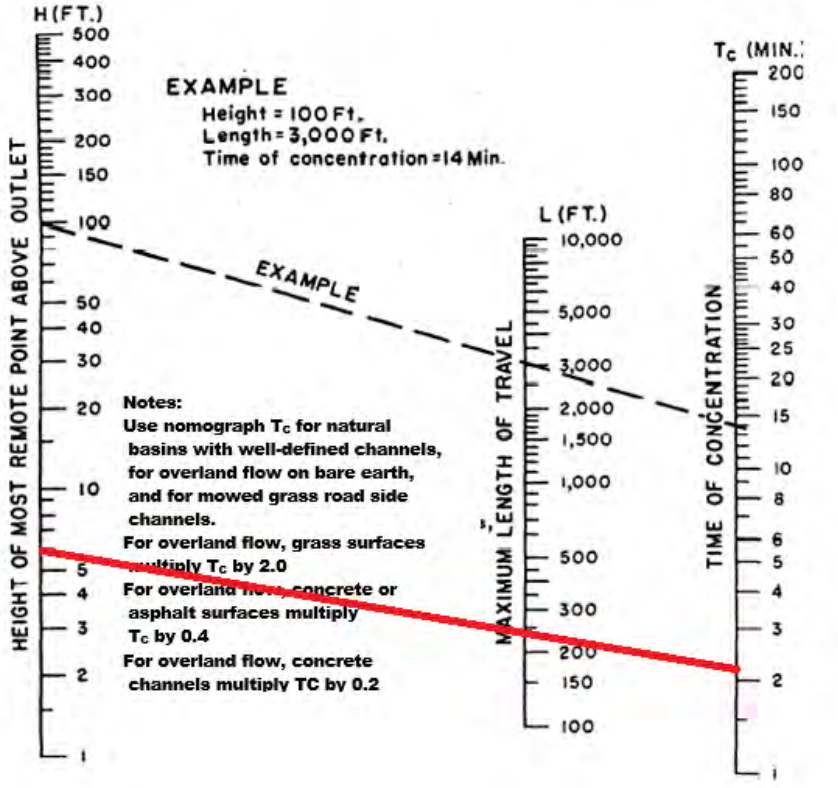
TIME OF CONCENTRATION FOR SMALL DRAINAGE BASINS



Time of Concentration - Overland Flow		
Change in Height =	6	ft
Length=	243	ft
Time of Concentration=	0.9	min
Time of Concentration - Storm Sewer		
Length (L)=	261	ft
Average Velocity=	7	ft/s
	420	ft/min
Tc=	0.6	min
Total Time of Concentration=	1.5	min
Time of Concentration to be Used		
2		

*Overland Flow Tc is multiplied by 0.4

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Appendix C

- Pondpack Calculations of the Basin 2 Year, 15 Year, 25 Year, 100 Year, and 100 Year Low Flow Blocked 20 Minute Storms.

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Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (min)	Peak Flow (ft³/s)
Basin Inflow	Post-Development 2 year	0	0.060	2.000	2.19
Basin Inflow	Post-Development 15 year	0	0.089	2.000	3.23
Basin Inflow	Post-Development 25 year	0	0.105	2.000	3.80
Basin Inflow	Post- Development 100 year	0	0.120	2.000	4.35
Basin Inflow	100 year LFB	0	0.120	2.000	4.35

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (min)	Peak Flow (ft³/s)
MH 101	Post-Development 2 year	0	0.060	22.000	0.49
MH 101	Post-Development 15 year	0	0.075	22.000	0.68
MH 101	Post-Development 25 year	0	0.085	22.000	0.89
MH 101	Post- Development 100 year	0	0.095	22.000	1.01
MH 101	100 year LFB	0	0.120	20.000	4.35

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (min)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
Dry Detention Basin (IN)	Post-Development 2 year	0	0.060	2.000	2.19	(N/A)	(N/A)
Dry Detention Basin (OUT)	Post-Development 2 year	0	0.060	22.000	0.49	502.45	0.049
Dry Detention Basin (IN)	Post-Development 15 year	0	0.089	2.000	3.23	(N/A)	(N/A)
Dry Detention Basin (OUT)	Post-Development 15 year	0	0.075	22.000	0.68	503.28	0.076
Dry Detention Basin (IN)	Post-Development 25 year	0	0.105	2.000	3.80	(N/A)	(N/A)

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (min)	Peak Flow (ft^3/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
Dry Detention Basin (OUT)	Post-Development 25 year	0	0.085	22.000	0.89	503.67	0.089
Dry Detention Basin (IN)	Post-Development 100 year	0	0.120	2.000	4.35	(N/A)	(N/A)
Dry Detention Basin (OUT)	Post-Development 100 year	0	0.095	22.000	1.01	504.04	0.103
Dry Detention Basin (IN)	100 year LFB	0	0.120	2.000	4.35	(N/A)	(N/A)
Dry Detention Basin (OUT)	100 year LFB	0	0.120	20.000	4.35	504.46	0.118

Subsection: Read Hydrograph
Label: Basin Inflow
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Peak Discharge	2.19 ft³/s
Time to Peak	13.000 min
Hydrograph Volume	0.060 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	1.10	2.19	2.19	2.19
5.000	2.19	2.19	2.19	2.19	2.19
10.000	2.19	2.19	2.19	2.19	2.19
15.000	2.19	2.19	2.19	2.19	2.19
20.000	2.19	1.10	0.00	0.00	0.00
25.000	0.00	0.00	0.00	0.00	0.00
30.000	0.00	0.00	0.00	0.00	0.00
35.000	0.00	0.00	0.00	0.00	0.00
40.000	0.00	0.00	0.00	0.00	0.00
45.000	0.00	0.00	0.00	0.00	0.00
50.000	0.00	0.00	0.00	0.00	0.00
55.000	0.00	0.00	0.00	0.00	0.00
60.000	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Read Hydrograph
Label: Basin Inflow
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Peak Discharge	3.23 ft³/s
Time to Peak	13.000 min
Hydrograph Volume	0.089 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	1.62	3.23	3.23	3.23
5.000	3.23	3.23	3.23	3.23	3.23
10.000	3.23	3.23	3.23	3.23	3.23
15.000	3.23	3.23	3.23	3.23	3.23
20.000	3.23	1.62	0.00	0.00	0.00
25.000	0.00	0.00	0.00	0.00	0.00
30.000	0.00	0.00	0.00	0.00	0.00
35.000	0.00	0.00	0.00	0.00	0.00
40.000	0.00	0.00	0.00	0.00	0.00
45.000	0.00	0.00	0.00	0.00	0.00
50.000	0.00	0.00	0.00	0.00	0.00
55.000	0.00	0.00	0.00	0.00	0.00
60.000	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Read Hydrograph
Label: Basin Inflow
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Peak Discharge	3.80 ft³/s
Time to Peak	13.000 min
Hydrograph Volume	0.105 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	1.90	3.80	3.80	3.80
5.000	3.80	3.80	3.80	3.80	3.80
10.000	3.80	3.80	3.80	3.80	3.80
15.000	3.80	3.80	3.80	3.80	3.80
20.000	3.80	1.90	0.00	0.00	0.00
25.000	0.00	0.00	0.00	0.00	0.00
30.000	0.00	0.00	0.00	0.00	0.00
35.000	0.00	0.00	0.00	0.00	0.00
40.000	0.00	0.00	0.00	0.00	0.00
45.000	0.00	0.00	0.00	0.00	0.00
50.000	0.00	0.00	0.00	0.00	0.00
55.000	0.00	0.00	0.00	0.00	0.00
60.000	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Read Hydrograph
Label: Basin Inflow
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Peak Discharge	4.35 ft³/s
Time to Peak	13.000 min
Hydrograph Volume	0.120 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	2.18	4.35	4.35	4.35
5.000	4.35	4.35	4.35	4.35	4.35
10.000	4.35	4.35	4.35	4.35	4.35
15.000	4.35	4.35	4.35	4.35	4.35
20.000	4.35	2.18	0.00	0.00	0.00
25.000	0.00	0.00	0.00	0.00	0.00
30.000	0.00	0.00	0.00	0.00	0.00
35.000	0.00	0.00	0.00	0.00	0.00
40.000	0.00	0.00	0.00	0.00	0.00
45.000	0.00	0.00	0.00	0.00	0.00
50.000	0.00	0.00	0.00	0.00	0.00
55.000	0.00	0.00	0.00	0.00	0.00
60.000	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Elevation-Area Volume Curve
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Elevation (ft)	Planimeter (ft²)	Area (ft²)	A1+A2+sqr (A1*A2) (ft²)	Volume (ac-ft)	Volume (Total) (ac-ft)
500.00	0.000	0.000	0.000	0.000	0.000
501.00	0.000	1,110.000	1,110.000	0.008	0.008
502.00	0.000	1,266.000	3,561.437	0.027	0.036
503.00	0.000	1,425.000	4,034.149	0.031	0.067
504.00	0.000	1,580.000	4,505.500	0.034	0.101
505.00	0.000	1,734.000	4,969.210	0.038	0.139
505.50	0.000	1,810.000	5,315.593	0.020	0.159

Pond Volume Equations
* Incremental volume computed by the Conic Method for Reservoir Volumes.

Volume = (1/3) * (EL2 - El1) * (Area1 + Area2 + sqr(Area1 * Area2))

where:	EL1, EL2	Lower and upper elevations of the increment
	Area1, Area2	Areas computed for EL1, EL2, respectively
	Volume	Incremental volume between EL1 and EL2

Requested Pond Water Surface Elevations	
Minimum (Headwater)	500.00 ft
Increment (Headwater)	0.01 ft
Maximum (Headwater)	505.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	Upper Weir	Forward	Culvert	503.00	503.33
Orifice-Area	Upper Orifice	Forward	Culvert	503.33	505.50
Stand Pipe	Riser	Forward	Culvert	504.20	505.50
Orifice-Circular	Lower Circular Orifice	Forward	Culvert	500.00	505.50
Culvert-Circular	Culvert	Forward	TW	490.87	505.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Structure ID: Riser Structure Type: Stand Pipe	
Number of Openings	1
Elevation	504.20 ft
Diameter	42.0 in
Orifice Area	9.621 ft²
Orifice Coefficient	0.600
Weir Length	11.00 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	False

Structure ID: Culvert Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	12.0 in
Length	14.40 ft
Length (Computed Barrel)	14.40 ft
Slope (Computed)	0.010 ft/ft

Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.031
Kr	0.500
Convergence Tolerance	0.00 ft

Inlet Control Data	
Equation Form	Form 1
K	0.0045
M	2.0000
C	0.0317
Y	0.6900
T1 ratio (HW/D)	1.090
T2 ratio (HW/D)	1.192
Slope Correction Factor	-0.500

Use unsubmerged inlet control 0 equation below T1 elevation.
Use submerged inlet control 0 equation above T2 elevation

In transition zone between unsubmerged and submerged inlet control,
interpolate between flows at T1 & T2...

T1 Elevation	491.96 ft	T1 Flow	2.75 ft³/s
T2 Elevation	492.06 ft	T2 Flow	3.14 ft³/s

Structure ID: Lower Circular Orifice Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	500.00 ft
Orifice Diameter	3.5 in
Orifice Coefficient	0.600

Structure ID: Upper Orifice Structure Type: Orifice-Area	
Number of Openings	1
Elevation	503.00 ft
Orifice Area	0.083 ft²
Top Elevation	503.33 ft
Datum Elevation	503.17 ft
Orifice Coefficient	0.600

Structure ID: Upper Weir Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	503.00 ft
Weir Length	0.25 ft
Weir Coefficient	3.00 (ft^0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
500.00	0.00	(N/A)	0.00
500.01	0.00	(N/A)	0.00
500.02	0.00	(N/A)	0.00
500.03	0.00	(N/A)	0.00
500.04	0.00	(N/A)	0.00
500.05	0.00	(N/A)	0.00
500.06	0.01	(N/A)	0.00
500.07	0.01	(N/A)	0.00
500.08	0.01	(N/A)	0.00
500.09	0.01	(N/A)	0.00
500.10	0.02	(N/A)	0.00
500.11	0.02	(N/A)	0.00
500.12	0.02	(N/A)	0.00
500.13	0.03	(N/A)	0.00
500.14	0.03	(N/A)	0.00
500.15	0.04	(N/A)	0.00
500.16	0.04	(N/A)	0.00
500.17	0.05	(N/A)	0.00
500.18	0.05	(N/A)	0.00
500.19	0.06	(N/A)	0.00
500.20	0.06	(N/A)	0.00
500.21	0.07	(N/A)	0.00
500.22	0.07	(N/A)	0.00
500.23	0.08	(N/A)	0.00
500.24	0.09	(N/A)	0.00
500.25	0.09	(N/A)	0.00
500.26	0.10	(N/A)	0.00
500.27	0.10	(N/A)	0.00
500.28	0.11	(N/A)	0.00
500.29	0.12	(N/A)	0.00
500.30	0.13	(N/A)	0.00
500.31	0.13	(N/A)	0.00
500.32	0.13	(N/A)	0.00
500.33	0.14	(N/A)	0.00
500.34	0.14	(N/A)	0.00
500.35	0.15	(N/A)	0.00
500.36	0.15	(N/A)	0.00
500.37	0.15	(N/A)	0.00
500.38	0.16	(N/A)	0.00
500.39	0.16	(N/A)	0.00
500.40	0.16	(N/A)	0.00
500.41	0.16	(N/A)	0.00
500.42	0.17	(N/A)	0.00
500.43	0.17	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
500.44	0.17	(N/A)	0.00
500.45	0.18	(N/A)	0.00
500.46	0.18	(N/A)	0.00
500.47	0.18	(N/A)	0.00
500.48	0.19	(N/A)	0.00
500.49	0.19	(N/A)	0.00
500.50	0.19	(N/A)	0.00
500.51	0.19	(N/A)	0.00
500.52	0.20	(N/A)	0.00
500.53	0.20	(N/A)	0.00
500.54	0.20	(N/A)	0.00
500.55	0.21	(N/A)	0.00
500.56	0.21	(N/A)	0.00
500.57	0.21	(N/A)	0.00
500.58	0.21	(N/A)	0.00
500.59	0.21	(N/A)	0.00
500.60	0.22	(N/A)	0.00
500.61	0.22	(N/A)	0.00
500.62	0.22	(N/A)	0.00
500.63	0.22	(N/A)	0.00
500.64	0.23	(N/A)	0.00
500.65	0.23	(N/A)	0.00
500.66	0.23	(N/A)	0.00
500.67	0.23	(N/A)	0.00
500.68	0.23	(N/A)	0.00
500.69	0.24	(N/A)	0.00
500.70	0.24	(N/A)	0.00
500.71	0.24	(N/A)	0.00
500.72	0.24	(N/A)	0.00
500.73	0.25	(N/A)	0.00
500.74	0.25	(N/A)	0.00
500.75	0.25	(N/A)	0.00
500.76	0.25	(N/A)	0.00
500.77	0.25	(N/A)	0.00
500.78	0.26	(N/A)	0.00
500.79	0.26	(N/A)	0.00
500.80	0.26	(N/A)	0.00
500.81	0.26	(N/A)	0.00
500.82	0.26	(N/A)	0.00
500.83	0.27	(N/A)	0.00
500.84	0.27	(N/A)	0.00
500.85	0.27	(N/A)	0.00
500.86	0.27	(N/A)	0.00
500.87	0.27	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
500.88	0.28	(N/A)	0.00
500.89	0.28	(N/A)	0.00
500.90	0.28	(N/A)	0.00
500.91	0.28	(N/A)	0.00
500.92	0.28	(N/A)	0.00
500.93	0.28	(N/A)	0.00
500.94	0.29	(N/A)	0.00
500.95	0.29	(N/A)	0.00
500.96	0.29	(N/A)	0.00
500.97	0.29	(N/A)	0.00
500.98	0.29	(N/A)	0.00
500.99	0.29	(N/A)	0.00
501.00	0.30	(N/A)	0.00
501.01	0.30	(N/A)	0.00
501.02	0.30	(N/A)	0.00
501.03	0.30	(N/A)	0.00
501.04	0.30	(N/A)	0.00
501.05	0.31	(N/A)	0.00
501.06	0.31	(N/A)	0.00
501.07	0.31	(N/A)	0.00
501.08	0.31	(N/A)	0.00
501.09	0.31	(N/A)	0.00
501.10	0.31	(N/A)	0.00
501.11	0.32	(N/A)	0.00
501.12	0.32	(N/A)	0.00
501.13	0.32	(N/A)	0.00
501.14	0.32	(N/A)	0.00
501.15	0.32	(N/A)	0.00
501.16	0.32	(N/A)	0.00
501.17	0.33	(N/A)	0.00
501.18	0.33	(N/A)	0.00
501.19	0.33	(N/A)	0.00
501.20	0.33	(N/A)	0.00
501.21	0.33	(N/A)	0.00
501.22	0.33	(N/A)	0.00
501.23	0.33	(N/A)	0.00
501.24	0.34	(N/A)	0.00
501.25	0.34	(N/A)	0.00
501.26	0.34	(N/A)	0.00
501.27	0.34	(N/A)	0.00
501.28	0.34	(N/A)	0.00
501.29	0.34	(N/A)	0.00
501.30	0.35	(N/A)	0.00
501.31	0.35	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
501.32	0.35	(N/A)	0.00
501.33	0.35	(N/A)	0.00
501.34	0.35	(N/A)	0.00
501.35	0.35	(N/A)	0.00
501.36	0.35	(N/A)	0.00
501.37	0.36	(N/A)	0.00
501.38	0.36	(N/A)	0.00
501.39	0.36	(N/A)	0.00
501.40	0.36	(N/A)	0.00
501.41	0.36	(N/A)	0.00
501.42	0.36	(N/A)	0.00
501.43	0.36	(N/A)	0.00
501.44	0.37	(N/A)	0.00
501.45	0.37	(N/A)	0.00
501.46	0.37	(N/A)	0.00
501.47	0.37	(N/A)	0.00
501.48	0.37	(N/A)	0.00
501.49	0.37	(N/A)	0.00
501.50	0.37	(N/A)	0.00
501.51	0.37	(N/A)	0.00
501.52	0.38	(N/A)	0.00
501.53	0.38	(N/A)	0.00
501.54	0.38	(N/A)	0.00
501.55	0.38	(N/A)	0.00
501.56	0.38	(N/A)	0.00
501.57	0.38	(N/A)	0.00
501.58	0.39	(N/A)	0.00
501.59	0.39	(N/A)	0.00
501.60	0.39	(N/A)	0.00
501.61	0.39	(N/A)	0.00
501.62	0.39	(N/A)	0.00
501.63	0.39	(N/A)	0.00
501.64	0.39	(N/A)	0.00
501.65	0.39	(N/A)	0.00
501.66	0.40	(N/A)	0.00
501.67	0.40	(N/A)	0.00
501.68	0.40	(N/A)	0.00
501.69	0.40	(N/A)	0.00
501.70	0.40	(N/A)	0.00
501.71	0.40	(N/A)	0.00
501.72	0.40	(N/A)	0.00
501.73	0.40	(N/A)	0.00
501.74	0.41	(N/A)	0.00
501.75	0.41	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
501.76	0.41	(N/A)	0.00
501.77	0.41	(N/A)	0.00
501.78	0.41	(N/A)	0.00
501.79	0.41	(N/A)	0.00
501.80	0.41	(N/A)	0.00
501.81	0.41	(N/A)	0.00
501.82	0.41	(N/A)	0.00
501.83	0.42	(N/A)	0.00
501.84	0.42	(N/A)	0.00
501.85	0.42	(N/A)	0.00
501.86	0.42	(N/A)	0.00
501.87	0.42	(N/A)	0.00
501.88	0.42	(N/A)	0.00
501.89	0.42	(N/A)	0.00
501.90	0.42	(N/A)	0.00
501.91	0.43	(N/A)	0.00
501.92	0.43	(N/A)	0.00
501.93	0.43	(N/A)	0.00
501.94	0.43	(N/A)	0.00
501.95	0.43	(N/A)	0.00
501.96	0.43	(N/A)	0.00
501.97	0.43	(N/A)	0.00
501.98	0.44	(N/A)	0.00
501.99	0.44	(N/A)	0.00
502.00	0.44	(N/A)	0.00
502.01	0.44	(N/A)	0.00
502.02	0.44	(N/A)	0.00
502.03	0.44	(N/A)	0.00
502.04	0.44	(N/A)	0.00
502.05	0.44	(N/A)	0.00
502.06	0.44	(N/A)	0.00
502.07	0.45	(N/A)	0.00
502.08	0.45	(N/A)	0.00
502.09	0.45	(N/A)	0.00
502.10	0.45	(N/A)	0.00
502.11	0.45	(N/A)	0.00
502.12	0.45	(N/A)	0.00
502.13	0.45	(N/A)	0.00
502.14	0.45	(N/A)	0.00
502.15	0.46	(N/A)	0.00
502.16	0.46	(N/A)	0.00
502.17	0.46	(N/A)	0.00
502.18	0.46	(N/A)	0.00
502.19	0.46	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
502.20	0.46	(N/A)	0.00
502.21	0.46	(N/A)	0.00
502.22	0.46	(N/A)	0.00
502.23	0.46	(N/A)	0.00
502.24	0.47	(N/A)	0.00
502.25	0.47	(N/A)	0.00
502.26	0.47	(N/A)	0.00
502.27	0.47	(N/A)	0.00
502.28	0.47	(N/A)	0.00
502.29	0.47	(N/A)	0.00
502.30	0.47	(N/A)	0.00
502.31	0.47	(N/A)	0.00
502.32	0.47	(N/A)	0.00
502.33	0.47	(N/A)	0.00
502.34	0.48	(N/A)	0.00
502.35	0.48	(N/A)	0.00
502.36	0.48	(N/A)	0.00
502.37	0.48	(N/A)	0.00
502.38	0.48	(N/A)	0.00
502.39	0.48	(N/A)	0.00
502.40	0.48	(N/A)	0.00
502.41	0.48	(N/A)	0.00
502.42	0.48	(N/A)	0.00
502.43	0.49	(N/A)	0.00
502.44	0.49	(N/A)	0.00
502.45	0.49	(N/A)	0.00
502.46	0.49	(N/A)	0.00
502.47	0.49	(N/A)	0.00
502.48	0.49	(N/A)	0.00
502.49	0.49	(N/A)	0.00
502.50	0.49	(N/A)	0.00
502.51	0.50	(N/A)	0.00
502.52	0.49	(N/A)	0.00
502.53	0.50	(N/A)	0.00
502.54	0.50	(N/A)	0.00
502.55	0.50	(N/A)	0.00
502.56	0.50	(N/A)	0.00
502.57	0.50	(N/A)	0.00
502.58	0.50	(N/A)	0.00
502.59	0.50	(N/A)	0.00
502.60	0.50	(N/A)	0.00
502.61	0.50	(N/A)	0.00
502.62	0.51	(N/A)	0.00
502.63	0.50	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
502.64	0.51	(N/A)	0.00
502.65	0.51	(N/A)	0.00
502.66	0.51	(N/A)	0.00
502.67	0.51	(N/A)	0.00
502.68	0.51	(N/A)	0.00
502.69	0.51	(N/A)	0.00
502.70	0.51	(N/A)	0.00
502.71	0.51	(N/A)	0.00
502.72	0.51	(N/A)	0.00
502.73	0.52	(N/A)	0.00
502.74	0.52	(N/A)	0.00
502.75	0.52	(N/A)	0.00
502.76	0.52	(N/A)	0.00
502.77	0.52	(N/A)	0.00
502.78	0.52	(N/A)	0.00
502.79	0.52	(N/A)	0.00
502.80	0.52	(N/A)	0.00
502.81	0.52	(N/A)	0.00
502.82	0.52	(N/A)	0.00
502.83	0.52	(N/A)	0.00
502.84	0.53	(N/A)	0.00
502.85	0.53	(N/A)	0.00
502.86	0.53	(N/A)	0.00
502.87	0.53	(N/A)	0.00
502.88	0.53	(N/A)	0.00
502.89	0.53	(N/A)	0.00
502.90	0.53	(N/A)	0.00
502.91	0.54	(N/A)	0.00
502.92	0.54	(N/A)	0.00
502.93	0.54	(N/A)	0.00
502.94	0.54	(N/A)	0.00
502.95	0.54	(N/A)	0.00
502.96	0.54	(N/A)	0.00
502.97	0.54	(N/A)	0.00
502.98	0.54	(N/A)	0.00
502.99	0.54	(N/A)	0.00
503.00	0.54	(N/A)	0.00
503.01	0.54	(N/A)	0.00
503.02	0.55	(N/A)	0.00
503.03	0.55	(N/A)	0.00
503.04	0.55	(N/A)	0.00
503.05	0.56	(N/A)	0.00
503.06	0.56	(N/A)	0.00
503.07	0.56	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
503.08	0.57	(N/A)	0.00
503.09	0.57	(N/A)	0.00
503.10	0.58	(N/A)	0.00
503.11	0.58	(N/A)	0.00
503.12	0.58	(N/A)	0.00
503.13	0.59	(N/A)	0.00
503.14	0.59	(N/A)	0.00
503.15	0.60	(N/A)	0.00
503.16	0.61	(N/A)	0.00
503.17	0.61	(N/A)	0.00
503.18	0.62	(N/A)	0.00
503.19	0.62	(N/A)	0.00
503.20	0.63	(N/A)	0.00
503.21	0.64	(N/A)	0.00
503.22	0.64	(N/A)	0.00
503.23	0.65	(N/A)	0.00
503.24	0.65	(N/A)	0.00
503.25	0.66	(N/A)	0.00
503.26	0.66	(N/A)	0.00
503.27	0.67	(N/A)	0.00
503.28	0.68	(N/A)	0.00
503.29	0.69	(N/A)	0.00
503.30	0.69	(N/A)	0.00
503.31	0.70	(N/A)	0.00
503.32	0.71	(N/A)	0.00
503.33	0.73	(N/A)	0.00
503.34	0.74	(N/A)	0.00
503.35	0.75	(N/A)	0.00
503.36	0.75	(N/A)	0.00
503.37	0.76	(N/A)	0.00
503.38	0.76	(N/A)	0.00
503.39	0.77	(N/A)	0.00
503.40	0.77	(N/A)	0.00
503.41	0.78	(N/A)	0.00
503.42	0.78	(N/A)	0.00
503.43	0.78	(N/A)	0.00
503.44	0.79	(N/A)	0.00
503.45	0.79	(N/A)	0.00
503.46	0.80	(N/A)	0.00
503.47	0.81	(N/A)	0.00
503.48	0.81	(N/A)	0.00
503.49	0.81	(N/A)	0.00
503.50	0.82	(N/A)	0.00
503.51	0.82	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
503.52	0.83	(N/A)	0.00
503.53	0.83	(N/A)	0.00
503.54	0.84	(N/A)	0.00
503.55	0.84	(N/A)	0.00
503.56	0.84	(N/A)	0.00
503.57	0.85	(N/A)	0.00
503.58	0.85	(N/A)	0.00
503.59	0.86	(N/A)	0.00
503.60	0.86	(N/A)	0.00
503.61	0.86	(N/A)	0.00
503.62	0.87	(N/A)	0.00
503.63	0.87	(N/A)	0.00
503.64	0.87	(N/A)	0.00
503.65	0.88	(N/A)	0.00
503.66	0.88	(N/A)	0.00
503.67	0.89	(N/A)	0.00
503.68	0.89	(N/A)	0.00
503.69	0.89	(N/A)	0.00
503.70	0.90	(N/A)	0.00
503.71	0.90	(N/A)	0.00
503.72	0.90	(N/A)	0.00
503.73	0.90	(N/A)	0.00
503.74	0.91	(N/A)	0.00
503.75	0.92	(N/A)	0.00
503.76	0.92	(N/A)	0.00
503.77	0.92	(N/A)	0.00
503.78	0.92	(N/A)	0.00
503.79	0.93	(N/A)	0.00
503.80	0.93	(N/A)	0.00
503.81	0.94	(N/A)	0.00
503.82	0.94	(N/A)	0.00
503.83	0.94	(N/A)	0.00
503.84	0.95	(N/A)	0.00
503.85	0.95	(N/A)	0.00
503.86	0.95	(N/A)	0.00
503.87	0.95	(N/A)	0.00
503.88	0.96	(N/A)	0.00
503.89	0.96	(N/A)	0.00
503.90	0.96	(N/A)	0.00
503.91	0.97	(N/A)	0.00
503.92	0.97	(N/A)	0.00
503.93	0.97	(N/A)	0.00
503.94	0.98	(N/A)	0.00
503.95	0.98	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
503.96	0.98	(N/A)	0.00
503.97	0.98	(N/A)	0.00
503.98	0.99	(N/A)	0.00
503.99	0.99	(N/A)	0.00
504.00	1.00	(N/A)	0.00
504.01	1.00	(N/A)	0.00
504.02	1.00	(N/A)	0.00
504.03	1.00	(N/A)	0.00
504.04	1.01	(N/A)	0.00
504.05	1.01	(N/A)	0.00
504.06	1.01	(N/A)	0.00
504.07	1.01	(N/A)	0.00
504.08	1.02	(N/A)	0.00
504.09	1.02	(N/A)	0.00
504.10	1.02	(N/A)	0.00
504.11	1.03	(N/A)	0.00
504.12	1.03	(N/A)	0.00
504.13	1.03	(N/A)	0.00
504.14	1.04	(N/A)	0.00
504.15	1.04	(N/A)	0.00
504.16	1.04	(N/A)	0.00
504.17	1.04	(N/A)	0.00
504.18	1.05	(N/A)	0.00
504.19	1.05	(N/A)	0.00
504.20	1.05	(N/A)	0.00
504.21	1.09	(N/A)	0.00
504.22	1.15	(N/A)	0.00
504.23	1.23	(N/A)	0.00
504.24	1.33	(N/A)	0.00
504.25	1.44	(N/A)	0.00
504.26	1.55	(N/A)	0.00
504.27	1.68	(N/A)	0.00
504.28	1.82	(N/A)	0.00
504.29	1.97	(N/A)	0.00
504.30	2.12	(N/A)	0.00
504.31	2.29	(N/A)	0.00
504.32	2.46	(N/A)	0.00
504.33	2.63	(N/A)	0.00
504.34	2.82	(N/A)	0.00
504.35	3.01	(N/A)	0.00
504.36	3.21	(N/A)	0.00
504.37	3.41	(N/A)	0.00
504.38	3.62	(N/A)	0.00
504.39	3.84	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
504.40	4.06	(N/A)	0.00
504.41	4.29	(N/A)	0.00
504.42	4.52	(N/A)	0.00
504.43	4.75	(N/A)	0.00
504.44	4.99	(N/A)	0.00
504.45	5.24	(N/A)	0.00
504.46	5.50	(N/A)	0.00
504.47	5.75	(N/A)	0.00
504.48	6.01	(N/A)	0.00
504.49	6.28	(N/A)	0.00
504.50	6.55	(N/A)	0.00
504.51	6.83	(N/A)	0.00
504.52	7.11	(N/A)	0.00
504.53	7.39	(N/A)	0.00
504.54	7.68	(N/A)	0.00
504.55	7.98	(N/A)	0.00
504.56	8.27	(N/A)	0.00
504.57	8.57	(N/A)	0.00
504.58	8.88	(N/A)	0.00
504.59	9.19	(N/A)	0.00
504.60	9.50	(N/A)	0.00
504.61	9.82	(N/A)	0.00
504.62	10.14	(N/A)	0.00
504.63	10.47	(N/A)	0.00
504.64	10.79	(N/A)	0.00
504.65	11.13	(N/A)	0.00
504.66	11.46	(N/A)	0.00
504.67	11.80	(N/A)	0.00
504.68	12.15	(N/A)	0.00
504.69	12.49	(N/A)	0.00
504.70	12.84	(N/A)	0.00
504.71	13.17	(N/A)	0.00
504.72	13.48	(N/A)	0.00
504.73	13.81	(N/A)	0.00
504.74	14.13	(N/A)	0.00
504.75	14.45	(N/A)	0.00
504.76	14.77	(N/A)	0.00
504.77	15.09	(N/A)	0.00
504.78	15.33	(N/A)	0.00
504.79	15.58	(N/A)	0.00
504.80	15.80	(N/A)	0.00
504.81	15.97	(N/A)	0.00
504.82	16.07	(N/A)	0.00
504.83	16.07	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
504.84	16.08	(N/A)	0.00
504.85	16.08	(N/A)	0.00
504.86	16.09	(N/A)	0.00
504.87	16.10	(N/A)	0.00
504.88	16.10	(N/A)	0.00
504.89	16.11	(N/A)	0.00
504.90	16.11	(N/A)	0.00
504.91	16.12	(N/A)	0.00
504.92	16.13	(N/A)	0.00
504.93	16.13	(N/A)	0.00
504.94	16.14	(N/A)	0.00
504.95	16.14	(N/A)	0.00
504.96	16.15	(N/A)	0.00
504.97	16.16	(N/A)	0.00
504.98	16.16	(N/A)	0.00
504.99	16.17	(N/A)	0.00
505.00	16.18	(N/A)	0.00
505.01	16.18	(N/A)	0.00
505.02	16.19	(N/A)	0.00
505.03	16.19	(N/A)	0.00
505.04	16.20	(N/A)	0.00
505.05	16.21	(N/A)	0.00
505.06	16.21	(N/A)	0.00
505.07	16.22	(N/A)	0.00
505.08	16.22	(N/A)	0.00
505.09	16.23	(N/A)	0.00
505.10	16.23	(N/A)	0.00
505.11	16.24	(N/A)	0.00
505.12	16.25	(N/A)	0.00
505.13	16.25	(N/A)	0.00
505.14	16.26	(N/A)	0.00
505.15	16.26	(N/A)	0.00
505.16	16.27	(N/A)	0.00
505.17	16.28	(N/A)	0.00
505.18	16.28	(N/A)	0.00
505.19	16.29	(N/A)	0.00
505.20	16.29	(N/A)	0.00
505.21	16.30	(N/A)	0.00
505.22	16.31	(N/A)	0.00
505.23	16.31	(N/A)	0.00
505.24	16.32	(N/A)	0.00
505.25	16.32	(N/A)	0.00
505.26	16.33	(N/A)	0.00
505.27	16.34	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
505.28	16.34	(N/A)	0.00
505.29	16.35	(N/A)	0.00
505.30	16.35	(N/A)	0.00
505.31	16.36	(N/A)	0.00
505.32	16.37	(N/A)	0.00
505.33	16.37	(N/A)	0.00
505.34	16.38	(N/A)	0.00
505.35	16.38	(N/A)	0.00
505.36	16.39	(N/A)	0.00
505.37	16.40	(N/A)	0.00
505.38	16.40	(N/A)	0.00
505.39	16.41	(N/A)	0.00
505.40	16.41	(N/A)	0.00
505.41	16.42	(N/A)	0.00
505.42	16.43	(N/A)	0.00
505.43	16.43	(N/A)	0.00
505.44	16.44	(N/A)	0.00
505.45	16.44	(N/A)	0.00
505.46	16.45	(N/A)	0.00
505.47	16.46	(N/A)	0.00
505.48	16.46	(N/A)	0.00
505.49	16.47	(N/A)	0.00
505.50	16.47	(N/A)	0.00

Contributing Structures
(no Q: Upper Weir,Upper Orifice,Riser,Lower Circular Orifice,Culvert)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve

Label: OS 102

Scenario: Post-Development 2 year

Return Event: 2 years

Storm Event:

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Contributing Structures
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Lower Circular Orifice,Culvert (no Q: Upper Weir,Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)

Composite Outflow Summary

Contributing Structures
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Weir,Lower Circular Orifice,Culvert (no Q: Upper Orifice,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)

Composite Outflow Summary

Contributing Structures
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)

Composite Outflow Summary

Contributing Structures
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)

Subsection: Composite Rating Curve

Label: OS 102

Scenario: Post-Development 2 year

Return Event: 2 years

Storm Event:

Composite Outflow Summary

Contributing Structures
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Lower Circular Orifice,Culvert (no Q: Upper Weir,Riser)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Contributing Structures
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)

Subsection: Composite Rating Curve | Return Event: 2 years
Label: OS 102 | Storm Event:
Scenario: Post-Development 2 year

Composite Outflow Summary

Contributing Structures
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)

Composite Outflow Summary

Contributing Structures
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)

Subsection: Composite Rating Curve

Label: OS 102

Scenario: Post-Development 2 year

Return Event: 2 years

Storm Event:

Composite Outflow Summary

Contributing Structures
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Upper Orifice,Riser,Lower Circular Orifice,Culvert (no Q: Upper Weir)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)

Subsection: Composite Rating Curve

Label: OS 102

Scenario: Post-Development 2 year

Return Event: 2 years

Storm Event:

Composite Outflow Summary

Contributing Structures
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)

Subsection: Composite Rating Curve

Label: OS 102

Scenario: Post-Development 2 year

Return Event: 2 years

Storm Event:

Composite Outflow Summary

Contributing Structures
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)

Composite Outflow Summary

Contributing Structures
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Contributing Structures
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)

Composite Outflow Summary

Contributing Structures
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)

Subsection: Composite Rating Curve
Label: OS 102
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Composite Outflow Summary

Contributing Structures
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)
Riser,Culvert (no Q: Upper Weir,Upper Orifice,Lower Circular Orifice)

Subsection: Outlet Input Data
Label: OS 102 LFB
Scenario: 100 year LFB

Return Event: 100 years
Storm Event:

Requested Pond Water Surface Elevations	
Minimum (Headwater)	500.00 ft
Increment (Headwater)	0.05 ft
Maximum (Headwater)	505.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Stand Pipe	Riser LFB	Forward	Culvert LFB	504.20	505.50
Culvert-Circular	Culvert LFB	Forward	TW	490.87	505.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Structure ID: Riser LFB Structure Type: Stand Pipe	
Number of Openings	1
Elevation	504.20 ft
Diameter	42.0 in
Orifice Area	9.621 ft²
Orifice Coefficient	0.600
Weir Length	11.00 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	False

Structure ID: Culvert LFB Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	12.0 in
Length	14.40 ft
Length (Computed Barrel)	14.40 ft
Slope (Computed)	0.010 ft/ft

Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.031
Kr	0.500
Convergence Tolerance	0.00 ft

Inlet Control Data	
Equation Form	Form 1
K	0.0045
M	2.0000
C	0.0317
Y	0.6900
T1 ratio (HW/D)	1.090
T2 ratio (HW/D)	1.192
Slope Correction Factor	-0.500

Use unsubmerged inlet control 0 equation below T1 elevation.
Use submerged inlet control 0 equation above T2 elevation

In transition zone between unsubmerged and submerged inlet control,
interpolate between flows at T1 & T2...

T1 Elevation	491.96 ft	T1 Flow	2.75 ft³/s
T2 Elevation	492.06 ft	T2 Flow	3.14 ft³/s

Structure ID: TW
Structure Type: TW Setup, DS Channel

Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft^3/s
Flow Tolerance (Maximum)	10.000 ft^3/s

Subsection: Composite Rating Curve
Label: OS 102 LFB
Scenario: 100 year LFB

Return Event: 100 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
500.00	0.00	(N/A)	0.00
500.05	0.00	(N/A)	0.00
500.10	0.00	(N/A)	0.00
500.15	0.00	(N/A)	0.00
500.20	0.00	(N/A)	0.00
500.25	0.00	(N/A)	0.00
500.30	0.00	(N/A)	0.00
500.35	0.00	(N/A)	0.00
500.40	0.00	(N/A)	0.00
500.45	0.00	(N/A)	0.00
500.50	0.00	(N/A)	0.00
500.55	0.00	(N/A)	0.00
500.60	0.00	(N/A)	0.00
500.65	0.00	(N/A)	0.00
500.70	0.00	(N/A)	0.00
500.75	0.00	(N/A)	0.00
500.80	0.00	(N/A)	0.00
500.85	0.00	(N/A)	0.00
500.90	0.00	(N/A)	0.00
500.95	0.00	(N/A)	0.00
501.00	0.00	(N/A)	0.00
501.05	0.00	(N/A)	0.00
501.10	0.00	(N/A)	0.00
501.15	0.00	(N/A)	0.00
501.20	0.00	(N/A)	0.00
501.25	0.00	(N/A)	0.00
501.30	0.00	(N/A)	0.00
501.35	0.00	(N/A)	0.00
501.40	0.00	(N/A)	0.00
501.45	0.00	(N/A)	0.00
501.50	0.00	(N/A)	0.00
501.55	0.00	(N/A)	0.00
501.60	0.00	(N/A)	0.00
501.65	0.00	(N/A)	0.00
501.70	0.00	(N/A)	0.00
501.75	0.00	(N/A)	0.00
501.80	0.00	(N/A)	0.00
501.85	0.00	(N/A)	0.00
501.90	0.00	(N/A)	0.00
501.95	0.00	(N/A)	0.00
502.00	0.00	(N/A)	0.00
502.05	0.00	(N/A)	0.00
502.10	0.00	(N/A)	0.00
502.15	0.00	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102 LFB
Scenario: 100 year LFB

Return Event: 100 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
502.20	0.00	(N/A)	0.00
502.25	0.00	(N/A)	0.00
502.30	0.00	(N/A)	0.00
502.35	0.00	(N/A)	0.00
502.40	0.00	(N/A)	0.00
502.45	0.00	(N/A)	0.00
502.50	0.00	(N/A)	0.00
502.55	0.00	(N/A)	0.00
502.60	0.00	(N/A)	0.00
502.65	0.00	(N/A)	0.00
502.70	0.00	(N/A)	0.00
502.75	0.00	(N/A)	0.00
502.80	0.00	(N/A)	0.00
502.85	0.00	(N/A)	0.00
502.90	0.00	(N/A)	0.00
502.95	0.00	(N/A)	0.00
503.00	0.00	(N/A)	0.00
503.05	0.00	(N/A)	0.00
503.10	0.00	(N/A)	0.00
503.15	0.00	(N/A)	0.00
503.20	0.00	(N/A)	0.00
503.25	0.00	(N/A)	0.00
503.30	0.00	(N/A)	0.00
503.35	0.00	(N/A)	0.00
503.40	0.00	(N/A)	0.00
503.45	0.00	(N/A)	0.00
503.50	0.00	(N/A)	0.00
503.55	0.00	(N/A)	0.00
503.60	0.00	(N/A)	0.00
503.65	0.00	(N/A)	0.00
503.70	0.00	(N/A)	0.00
503.75	0.00	(N/A)	0.00
503.80	0.00	(N/A)	0.00
503.85	0.00	(N/A)	0.00
503.90	0.00	(N/A)	0.00
503.95	0.00	(N/A)	0.00
504.00	0.00	(N/A)	0.00
504.05	0.00	(N/A)	0.00
504.10	0.00	(N/A)	0.00
504.15	0.00	(N/A)	0.00
504.20	0.00	(N/A)	0.00
504.25	0.37	(N/A)	0.00
504.30	1.04	(N/A)	0.00
504.35	1.92	(N/A)	0.00

Subsection: Composite Rating Curve
Label: OS 102 LFB
Scenario: 100 year LFB

Return Event: 100 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
504.40	2.95	(N/A)	0.00
504.45	4.12	(N/A)	0.00
504.50	5.42	(N/A)	0.00
504.55	6.83	(N/A)	0.00
504.60	8.34	(N/A)	0.00
504.65	9.96	(N/A)	0.00
504.70	11.66	(N/A)	0.00
504.75	13.46	(N/A)	0.00
504.80	15.33	(N/A)	0.00
504.85	16.08	(N/A)	0.00
504.90	16.11	(N/A)	0.00
504.95	16.14	(N/A)	0.00
505.00	16.17	(N/A)	0.00
505.05	16.20	(N/A)	0.00
505.10	16.23	(N/A)	0.00
505.15	16.26	(N/A)	0.00
505.20	16.29	(N/A)	0.00
505.25	16.32	(N/A)	0.00
505.30	16.35	(N/A)	0.00
505.35	16.38	(N/A)	0.00
505.40	16.41	(N/A)	0.00
505.45	16.44	(N/A)	0.00
505.50	16.47	(N/A)	0.00

Contributing Structures
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)

Subsection: Composite Rating Curve | Return Event: 100 years
Label: OS 102 LFB | Storm Event:
Scenario: 100 year LFB

Composite Outflow Summary

Contributing Structures
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
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(no Q: Riser LFB,Culvert LFB)
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(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
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(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)

Subsection: Composite Rating Curve | Return Event: 100 years
Label: OS 102 LFB | Storm Event:
Scenario: 100 year LFB

Composite Outflow Summary

Contributing Structures
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
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(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)

Subsection: Composite Rating Curve | Return Event: 100 years
Label: OS 102 LFB | Storm Event:
Scenario: 100 year LFB

Composite Outflow Summary

Contributing Structures
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
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(no Q: Riser LFB,Culvert LFB)
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(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)

Subsection: Composite Rating Curve | Return Event: 100 years
Label: OS 102 LFB | Storm Event:
Scenario: 100 year LFB

Composite Outflow Summary

Contributing Structures
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
(no Q: Riser LFB,Culvert LFB)
Riser LFB,Culvert LFB
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Riser LFB,Culvert LFB
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Riser LFB,Culvert LFB

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	500.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	1.000 min

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.00	0.00	0.000	0.000	0.00	0.00	0.00
500.01	0.00	0.000	0.111	0.00	0.00	0.00
500.02	0.00	0.000	0.444	0.00	0.00	0.00
500.03	0.00	0.000	0.999	0.00	0.00	0.00
500.04	0.00	0.000	1.776	0.00	0.00	0.00
500.05	0.00	0.000	2.775	0.00	0.00	0.01
500.06	0.01	0.000	3.996	0.00	0.01	0.01
500.07	0.01	0.000	5.439	0.00	0.01	0.01
500.08	0.01	0.000	7.104	0.00	0.01	0.02
500.09	0.01	0.000	8.991	0.00	0.01	0.02
500.10	0.02	0.000	11.100	0.00	0.02	0.03
500.11	0.02	0.000	13.431	0.00	0.02	0.04
500.12	0.02	0.000	15.984	0.00	0.02	0.04
500.13	0.03	0.000	18.759	0.00	0.03	0.06
500.14	0.03	0.000	21.756	0.00	0.03	0.07
500.15	0.04	0.000	24.975	0.00	0.04	0.08
500.16	0.04	0.000	28.416	0.00	0.04	0.09
500.17	0.05	0.000	32.079	0.00	0.05	0.11
500.18	0.05	0.000	35.964	0.00	0.05	0.12
500.19	0.06	0.000	40.071	0.00	0.06	0.14
500.20	0.06	0.000	44.400	0.00	0.06	0.16
500.21	0.07	0.000	48.951	0.00	0.07	0.18
500.22	0.07	0.000	53.724	0.00	0.07	0.21
500.23	0.08	0.000	58.719	0.00	0.08	0.23
500.24	0.09	0.000	63.936	0.00	0.09	0.26
500.25	0.09	0.000	69.375	0.00	0.09	0.28
500.26	0.10	0.000	75.036	0.00	0.10	0.31
500.27	0.10	0.000	80.919	0.00	0.10	0.35
500.28	0.11	0.000	87.024	0.00	0.11	0.38
500.29	0.12	0.000	93.351	0.00	0.12	0.42

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.30	0.13	0.000	99.900	0.00	0.13	0.46
500.31	0.13	0.000	106.671	0.00	0.13	0.50
500.32	0.13	0.000	113.664	0.00	0.13	0.54
500.33	0.14	0.000	120.879	0.00	0.14	0.58
500.34	0.14	0.000	128.316	0.00	0.14	0.63
500.35	0.15	0.000	135.975	0.00	0.15	0.67
500.36	0.15	0.000	143.856	0.00	0.15	0.72
500.37	0.15	0.000	151.959	0.00	0.15	0.78
500.38	0.16	0.000	160.284	0.00	0.16	0.83
500.39	0.16	0.001	168.831	0.00	0.16	0.89
500.40	0.16	0.001	177.600	0.00	0.16	0.95
500.41	0.16	0.001	186.591	0.00	0.16	1.01
500.42	0.17	0.001	195.804	0.00	0.17	1.08
500.43	0.17	0.001	205.239	0.00	0.17	1.15
500.44	0.17	0.001	214.896	0.00	0.17	1.23
500.45	0.18	0.001	224.775	0.00	0.18	1.30
500.46	0.18	0.001	234.876	0.00	0.18	1.38
500.47	0.18	0.001	245.199	0.00	0.18	1.46
500.48	0.19	0.001	255.744	0.00	0.19	1.55
500.49	0.19	0.001	266.511	0.00	0.19	1.64
500.50	0.19	0.001	277.500	0.00	0.19	1.73
500.51	0.19	0.001	288.711	0.00	0.19	1.83
500.52	0.20	0.001	300.144	0.00	0.20	1.93
500.53	0.20	0.001	311.799	0.00	0.20	2.04
500.54	0.20	0.001	323.676	0.00	0.20	2.14
500.55	0.21	0.001	335.775	0.00	0.21	2.26
500.56	0.21	0.001	348.096	0.00	0.21	2.37
500.57	0.21	0.002	360.639	0.00	0.21	2.49
500.58	0.21	0.002	373.404	0.00	0.21	2.62
500.59	0.21	0.002	386.391	0.00	0.21	2.75
500.60	0.22	0.002	399.600	0.00	0.22	2.88
500.61	0.22	0.002	413.031	0.00	0.22	3.02
500.62	0.22	0.002	426.684	0.00	0.22	3.16
500.63	0.22	0.002	440.559	0.00	0.22	3.31
500.64	0.23	0.002	454.656	0.00	0.23	3.46
500.65	0.23	0.002	468.975	0.00	0.23	3.62
500.66	0.23	0.002	483.516	0.00	0.23	3.78
500.67	0.23	0.003	498.279	0.00	0.23	3.94
500.68	0.23	0.003	513.264	0.00	0.23	4.11
500.69	0.24	0.003	528.471	0.00	0.24	4.29
500.70	0.24	0.003	543.900	0.00	0.24	4.47
500.71	0.24	0.003	559.551	0.00	0.24	4.66
500.72	0.24	0.003	575.424	0.00	0.24	4.85
500.73	0.25	0.003	591.519	0.00	0.25	5.04
500.74	0.25	0.003	607.836	0.00	0.25	5.25

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.75	0.25	0.004	624.375	0.00	0.25	5.45
500.76	0.25	0.004	641.136	0.00	0.25	5.66
500.77	0.25	0.004	658.119	0.00	0.25	5.89
500.78	0.26	0.004	675.324	0.00	0.26	6.11
500.79	0.26	0.004	692.751	0.00	0.26	6.34
500.80	0.26	0.004	710.400	0.00	0.26	6.58
500.81	0.26	0.005	728.271	0.00	0.26	6.82
500.82	0.26	0.005	746.364	0.00	0.26	7.06
500.83	0.27	0.005	764.679	0.00	0.27	7.32
500.84	0.27	0.005	783.216	0.00	0.27	7.58
500.85	0.27	0.005	801.975	0.00	0.27	7.84
500.86	0.27	0.005	820.956	0.00	0.27	8.12
500.87	0.27	0.006	840.159	0.00	0.27	8.40
500.88	0.28	0.006	859.584	0.00	0.28	8.68
500.89	0.28	0.006	879.231	0.00	0.28	8.97
500.90	0.28	0.006	899.100	0.00	0.28	9.27
500.91	0.28	0.006	919.191	0.00	0.28	9.57
500.92	0.28	0.007	939.504	0.00	0.28	9.89
500.93	0.28	0.007	960.039	0.00	0.28	10.20
500.94	0.29	0.007	980.796	0.00	0.29	10.53
500.95	0.29	0.007	1,001.775	0.00	0.29	10.86
500.96	0.29	0.008	1,022.976	0.00	0.29	11.20
500.97	0.29	0.008	1,044.399	0.00	0.29	11.55
500.98	0.29	0.008	1,066.044	0.00	0.29	11.90
500.99	0.29	0.008	1,087.911	0.00	0.29	12.26
501.00	0.30	0.008	1,110.000	0.00	0.30	12.63
501.01	0.30	0.009	1,111.509	0.00	0.30	13.00
501.02	0.30	0.009	1,113.020	0.00	0.30	13.37
501.03	0.30	0.009	1,114.531	0.00	0.30	13.75
501.04	0.30	0.010	1,116.043	0.00	0.30	14.12
501.05	0.31	0.010	1,117.556	0.00	0.31	14.49
501.06	0.31	0.010	1,119.071	0.00	0.31	14.87
501.07	0.31	0.010	1,120.586	0.00	0.31	15.24
501.08	0.31	0.011	1,122.103	0.00	0.31	15.62
501.09	0.31	0.011	1,123.620	0.00	0.31	16.00
501.10	0.31	0.011	1,125.139	0.00	0.31	16.37
501.11	0.32	0.011	1,126.658	0.00	0.32	16.75
501.12	0.32	0.012	1,128.179	0.00	0.32	17.13
501.13	0.32	0.012	1,129.700	0.00	0.32	17.50
501.14	0.32	0.012	1,131.223	0.00	0.32	17.88
501.15	0.32	0.012	1,132.746	0.00	0.32	18.26
501.16	0.32	0.013	1,134.271	0.00	0.32	18.64
501.17	0.33	0.013	1,135.797	0.00	0.33	19.02
501.18	0.33	0.013	1,137.323	0.00	0.33	19.40
501.19	0.33	0.013	1,138.851	0.00	0.33	19.78

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
501.20	0.33	0.014	1,140.380	0.00	0.33	20.16
501.21	0.33	0.014	1,141.909	0.00	0.33	20.55
501.22	0.33	0.014	1,143.440	0.00	0.33	20.93
501.23	0.33	0.014	1,144.972	0.00	0.33	21.31
501.24	0.34	0.015	1,146.505	0.00	0.34	21.70
501.25	0.34	0.015	1,148.039	0.00	0.34	22.08
501.26	0.34	0.015	1,149.574	0.00	0.34	22.46
501.27	0.34	0.016	1,151.110	0.00	0.34	22.85
501.28	0.34	0.016	1,152.646	0.00	0.34	23.23
501.29	0.34	0.016	1,154.184	0.00	0.34	23.62
501.30	0.35	0.016	1,155.723	0.00	0.35	24.01
501.31	0.35	0.017	1,157.263	0.00	0.35	24.39
501.32	0.35	0.017	1,158.804	0.00	0.35	24.78
501.33	0.35	0.017	1,160.346	0.00	0.35	25.17
501.34	0.35	0.017	1,161.890	0.00	0.35	25.56
501.35	0.35	0.018	1,163.434	0.00	0.35	25.95
501.36	0.35	0.018	1,164.979	0.00	0.35	26.34
501.37	0.36	0.018	1,166.525	0.00	0.36	26.73
501.38	0.36	0.018	1,168.072	0.00	0.36	27.12
501.39	0.36	0.019	1,169.620	0.00	0.36	27.51
501.40	0.36	0.019	1,171.170	0.00	0.36	27.90
501.41	0.36	0.019	1,172.720	0.00	0.36	28.29
501.42	0.36	0.020	1,174.271	0.00	0.36	28.68
501.43	0.36	0.020	1,175.823	0.00	0.36	29.08
501.44	0.37	0.020	1,177.377	0.00	0.37	29.47
501.45	0.37	0.020	1,178.931	0.00	0.37	29.86
501.46	0.37	0.021	1,180.487	0.00	0.37	30.26
501.47	0.37	0.021	1,182.043	0.00	0.37	30.65
501.48	0.37	0.021	1,183.600	0.00	0.37	31.05
501.49	0.37	0.021	1,185.159	0.00	0.37	31.45
501.50	0.37	0.022	1,186.718	0.00	0.37	31.84
501.51	0.37	0.022	1,188.279	0.00	0.37	32.24
501.52	0.38	0.022	1,189.840	0.00	0.38	32.64
501.53	0.38	0.022	1,191.403	0.00	0.38	33.04
501.54	0.38	0.023	1,192.967	0.00	0.38	33.44
501.55	0.38	0.023	1,194.531	0.00	0.38	33.83
501.56	0.38	0.023	1,196.097	0.00	0.38	34.23
501.57	0.38	0.024	1,197.663	0.00	0.38	34.63
501.58	0.39	0.024	1,199.231	0.00	0.39	35.04
501.59	0.39	0.024	1,200.800	0.00	0.39	35.44
501.60	0.39	0.024	1,202.370	0.00	0.39	35.84
501.61	0.39	0.025	1,203.940	0.00	0.39	36.24
501.62	0.39	0.025	1,205.512	0.00	0.39	36.64
501.63	0.39	0.025	1,207.085	0.00	0.39	37.05
501.64	0.39	0.026	1,208.659	0.00	0.39	37.45

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
501.65	0.39	0.026	1,210.234	0.00	0.39	37.86
501.66	0.40	0.026	1,211.810	0.00	0.40	38.26
501.67	0.40	0.026	1,213.386	0.00	0.40	38.67
501.68	0.40	0.027	1,214.964	0.00	0.40	39.07
501.69	0.40	0.027	1,216.543	0.00	0.40	39.48
501.70	0.40	0.027	1,218.123	0.00	0.40	39.89
501.71	0.40	0.027	1,219.704	0.00	0.40	40.29
501.72	0.40	0.028	1,221.286	0.00	0.40	40.70
501.73	0.40	0.028	1,222.870	0.00	0.40	41.11
501.74	0.41	0.028	1,224.454	0.00	0.41	41.52
501.75	0.41	0.029	1,226.039	0.00	0.41	41.93
501.76	0.41	0.029	1,227.625	0.00	0.41	42.34
501.77	0.41	0.029	1,229.212	0.00	0.41	42.75
501.78	0.41	0.029	1,230.800	0.00	0.41	43.16
501.79	0.41	0.030	1,232.389	0.00	0.41	43.57
501.80	0.41	0.030	1,233.980	0.00	0.41	43.99
501.81	0.41	0.030	1,235.571	0.00	0.41	44.40
501.82	0.41	0.031	1,237.163	0.00	0.41	44.81
501.83	0.42	0.031	1,238.757	0.00	0.42	45.23
501.84	0.42	0.031	1,240.351	0.00	0.42	45.64
501.85	0.42	0.031	1,241.946	0.00	0.42	46.05
501.86	0.42	0.032	1,243.543	0.00	0.42	46.47
501.87	0.42	0.032	1,245.140	0.00	0.42	46.89
501.88	0.42	0.032	1,246.739	0.00	0.42	47.30
501.89	0.42	0.033	1,248.338	0.00	0.42	47.72
501.90	0.42	0.033	1,249.939	0.00	0.42	48.14
501.91	0.43	0.033	1,251.540	0.00	0.43	48.56
501.92	0.43	0.033	1,253.143	0.00	0.43	48.97
501.93	0.43	0.034	1,254.746	0.00	0.43	49.39
501.94	0.43	0.034	1,256.351	0.00	0.43	49.81
501.95	0.43	0.034	1,257.956	0.00	0.43	50.23
501.96	0.43	0.035	1,259.563	0.00	0.43	50.65
501.97	0.43	0.035	1,261.171	0.00	0.43	51.07
501.98	0.44	0.035	1,262.780	0.00	0.44	51.50
501.99	0.44	0.035	1,264.389	0.00	0.44	51.92
502.00	0.44	0.036	1,266.000	0.00	0.44	52.34
502.01	0.44	0.036	1,267.543	0.00	0.44	52.77
502.02	0.44	0.036	1,269.088	0.00	0.44	53.19
502.03	0.44	0.037	1,270.633	0.00	0.44	53.61
502.04	0.44	0.037	1,272.179	0.00	0.44	54.04
502.05	0.44	0.037	1,273.727	0.00	0.44	54.47
502.06	0.44	0.037	1,275.275	0.00	0.44	54.89
502.07	0.45	0.038	1,276.824	0.00	0.45	55.32
502.08	0.45	0.038	1,278.374	0.00	0.45	55.74
502.09	0.45	0.038	1,279.925	0.00	0.45	56.17

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
502.10	0.45	0.039	1,281.477	0.00	0.45	56.60
502.11	0.45	0.039	1,283.030	0.00	0.45	57.03
502.12	0.45	0.039	1,284.584	0.00	0.45	57.46
502.13	0.45	0.040	1,286.138	0.00	0.45	57.89
502.14	0.45	0.040	1,287.694	0.00	0.45	58.32
502.15	0.46	0.040	1,289.251	0.00	0.46	58.75
502.16	0.46	0.040	1,290.808	0.00	0.46	59.18
502.17	0.46	0.041	1,292.367	0.00	0.46	59.61
502.18	0.46	0.041	1,293.926	0.00	0.46	60.04
502.19	0.46	0.041	1,295.486	0.00	0.46	60.48
502.20	0.46	0.042	1,297.048	0.00	0.46	60.91
502.21	0.46	0.042	1,298.610	0.00	0.46	61.34
502.22	0.46	0.042	1,300.173	0.00	0.46	61.78
502.23	0.46	0.043	1,301.737	0.00	0.46	62.21
502.24	0.47	0.043	1,303.302	0.00	0.47	62.65
502.25	0.47	0.043	1,304.868	0.00	0.47	63.08
502.26	0.47	0.043	1,306.435	0.00	0.47	63.52
502.27	0.47	0.044	1,308.003	0.00	0.47	63.95
502.28	0.47	0.044	1,309.572	0.00	0.47	64.39
502.29	0.47	0.044	1,311.142	0.00	0.47	64.83
502.30	0.47	0.045	1,312.713	0.00	0.47	65.27
502.31	0.47	0.045	1,314.284	0.00	0.47	65.71
502.32	0.47	0.045	1,315.857	0.00	0.47	66.15
502.33	0.47	0.046	1,317.431	0.00	0.47	66.59
502.34	0.48	0.046	1,319.005	0.00	0.48	67.03
502.35	0.48	0.046	1,320.580	0.00	0.48	67.47
502.36	0.48	0.046	1,322.157	0.00	0.48	67.91
502.37	0.48	0.047	1,323.734	0.00	0.48	68.35
502.38	0.48	0.047	1,325.312	0.00	0.48	68.80
502.39	0.48	0.047	1,326.892	0.00	0.48	69.24
502.40	0.48	0.048	1,328.472	0.00	0.48	69.68
502.41	0.48	0.048	1,330.053	0.00	0.48	70.13
502.42	0.48	0.048	1,331.635	0.00	0.48	70.57
502.43	0.49	0.049	1,333.218	0.00	0.49	71.02
502.44	0.49	0.049	1,334.802	0.00	0.49	71.46
502.45	0.49	0.049	1,336.386	0.00	0.49	71.91
502.46	0.49	0.049	1,337.972	0.00	0.49	72.36
502.47	0.49	0.050	1,339.559	0.00	0.49	72.80
502.48	0.49	0.050	1,341.147	0.00	0.49	73.25
502.49	0.49	0.050	1,342.735	0.00	0.49	73.70
502.50	0.49	0.051	1,344.325	0.00	0.49	74.15
502.51	0.50	0.051	1,345.915	0.00	0.50	74.60
502.52	0.49	0.051	1,347.507	0.00	0.49	75.05
502.53	0.50	0.052	1,349.099	0.00	0.50	75.50
502.54	0.50	0.052	1,350.692	0.00	0.50	75.95

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
502.55	0.50	0.052	1,352.286	0.00	0.50	76.40
502.56	0.50	0.053	1,353.882	0.00	0.50	76.85
502.57	0.50	0.053	1,355.478	0.00	0.50	77.30
502.58	0.50	0.053	1,357.075	0.00	0.50	77.76
502.59	0.50	0.054	1,358.673	0.00	0.50	78.21
502.60	0.50	0.054	1,360.272	0.00	0.50	78.67
502.61	0.50	0.054	1,361.872	0.00	0.50	79.12
502.62	0.51	0.054	1,363.472	0.00	0.51	79.58
502.63	0.50	0.055	1,365.074	0.00	0.50	80.03
502.64	0.51	0.055	1,366.677	0.00	0.51	80.49
502.65	0.51	0.055	1,368.280	0.00	0.51	80.94
502.66	0.51	0.056	1,369.885	0.00	0.51	81.40
502.67	0.51	0.056	1,371.491	0.00	0.51	81.86
502.68	0.51	0.056	1,373.097	0.00	0.51	82.32
502.69	0.51	0.057	1,374.704	0.00	0.51	82.78
502.70	0.51	0.057	1,376.313	0.00	0.51	83.24
502.71	0.51	0.057	1,377.922	0.00	0.51	83.70
502.72	0.51	0.058	1,379.532	0.00	0.51	84.16
502.73	0.52	0.058	1,381.143	0.00	0.52	84.62
502.74	0.52	0.058	1,382.755	0.00	0.52	85.08
502.75	0.52	0.059	1,384.368	0.00	0.52	85.54
502.76	0.52	0.059	1,385.982	0.00	0.52	86.00
502.77	0.52	0.059	1,387.597	0.00	0.52	86.47
502.78	0.52	0.060	1,389.213	0.00	0.52	86.93
502.79	0.52	0.060	1,390.830	0.00	0.52	87.40
502.80	0.52	0.060	1,392.448	0.00	0.52	87.86
502.81	0.52	0.060	1,394.066	0.00	0.52	88.33
502.82	0.52	0.061	1,395.686	0.00	0.52	88.79
502.83	0.52	0.061	1,397.307	0.00	0.52	89.26
502.84	0.53	0.061	1,398.928	0.00	0.53	89.73
502.85	0.53	0.062	1,400.551	0.00	0.53	90.19
502.86	0.53	0.062	1,402.174	0.00	0.53	90.66
502.87	0.53	0.062	1,403.798	0.00	0.53	91.13
502.88	0.53	0.063	1,405.424	0.00	0.53	91.60
502.89	0.53	0.063	1,407.050	0.00	0.53	92.07
502.90	0.53	0.063	1,408.677	0.00	0.53	92.54
502.91	0.54	0.064	1,410.305	0.00	0.54	93.01
502.92	0.54	0.064	1,411.934	0.00	0.54	93.48
502.93	0.54	0.064	1,413.564	0.00	0.54	93.95
502.94	0.54	0.065	1,415.195	0.00	0.54	94.43
502.95	0.54	0.065	1,416.827	0.00	0.54	94.90
502.96	0.54	0.065	1,418.459	0.00	0.54	95.37
502.97	0.54	0.066	1,420.093	0.00	0.54	95.85
502.98	0.54	0.066	1,421.728	0.00	0.54	96.32
502.99	0.54	0.066	1,423.363	0.00	0.54	96.79

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
503.00	0.54	0.067	1,425.000	0.00	0.54	97.27
503.01	0.54	0.067	1,426.510	0.00	0.54	97.75
503.02	0.55	0.067	1,428.022	0.00	0.55	98.23
503.03	0.55	0.068	1,429.534	0.00	0.55	98.71
503.04	0.55	0.068	1,431.046	0.00	0.55	99.18
503.05	0.56	0.068	1,432.560	0.00	0.56	99.67
503.06	0.56	0.069	1,434.074	0.00	0.56	100.15
503.07	0.56	0.069	1,435.590	0.00	0.56	100.63
503.08	0.57	0.069	1,437.106	0.00	0.57	101.11
503.09	0.57	0.070	1,438.622	0.00	0.57	101.60
503.10	0.58	0.070	1,440.140	0.00	0.58	102.08
503.11	0.58	0.070	1,441.658	0.00	0.58	102.56
503.12	0.58	0.071	1,443.178	0.00	0.58	103.05
503.13	0.59	0.071	1,444.698	0.00	0.59	103.54
503.14	0.59	0.071	1,446.218	0.00	0.59	104.02
503.15	0.60	0.072	1,447.740	0.00	0.60	104.51
503.16	0.61	0.072	1,449.262	0.00	0.61	105.00
503.17	0.61	0.072	1,450.786	0.00	0.61	105.49
503.18	0.62	0.073	1,452.310	0.00	0.62	105.98
503.19	0.62	0.073	1,453.834	0.00	0.62	106.47
503.20	0.63	0.073	1,455.360	0.00	0.63	106.96
503.21	0.64	0.074	1,456.886	0.00	0.64	107.45
503.22	0.64	0.074	1,458.414	0.00	0.64	107.94
503.23	0.65	0.074	1,459.942	0.00	0.65	108.44
503.24	0.65	0.075	1,461.470	0.00	0.65	108.93
503.25	0.66	0.075	1,463.000	0.00	0.66	109.42
503.26	0.66	0.075	1,464.530	0.00	0.66	109.91
503.27	0.67	0.076	1,466.062	0.00	0.67	110.41
503.28	0.68	0.076	1,467.594	0.00	0.68	110.91
503.29	0.69	0.076	1,469.126	0.00	0.69	111.40
503.30	0.69	0.077	1,470.660	0.00	0.69	111.90
503.31	0.70	0.077	1,472.194	0.00	0.70	112.40
503.32	0.71	0.077	1,473.730	0.00	0.71	112.90
503.33	0.73	0.078	1,475.266	0.00	0.73	113.41
503.34	0.74	0.078	1,476.802	0.00	0.74	113.91
503.35	0.75	0.078	1,478.340	0.00	0.75	114.41
503.36	0.75	0.079	1,479.878	0.00	0.75	114.91
503.37	0.76	0.079	1,481.418	0.00	0.76	115.41
503.38	0.76	0.079	1,482.958	0.00	0.76	115.91
503.39	0.77	0.080	1,484.498	0.00	0.77	116.41
503.40	0.77	0.080	1,486.040	0.00	0.77	116.91
503.41	0.78	0.080	1,487.582	0.00	0.78	117.40
503.42	0.78	0.081	1,489.126	0.00	0.78	117.91
503.43	0.78	0.081	1,490.670	0.00	0.78	118.41
503.44	0.79	0.081	1,492.214	0.00	0.79	118.91

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
503.45	0.79	0.082	1,493.760	0.00	0.79	119.41
503.46	0.80	0.082	1,495.306	0.00	0.80	119.92
503.47	0.81	0.082	1,496.854	0.00	0.81	120.42
503.48	0.81	0.083	1,498.402	0.00	0.81	120.92
503.49	0.81	0.083	1,499.950	0.00	0.81	121.43
503.50	0.82	0.083	1,501.500	0.00	0.82	121.93
503.51	0.82	0.084	1,503.050	0.00	0.82	122.44
503.52	0.83	0.084	1,504.602	0.00	0.83	122.94
503.53	0.83	0.084	1,506.154	0.00	0.83	123.45
503.54	0.84	0.085	1,507.706	0.00	0.84	123.96
503.55	0.84	0.085	1,509.260	0.00	0.84	124.46
503.56	0.84	0.085	1,510.814	0.00	0.84	124.97
503.57	0.85	0.086	1,512.370	0.00	0.85	125.48
503.58	0.85	0.086	1,513.926	0.00	0.85	125.99
503.59	0.86	0.087	1,515.482	0.00	0.86	126.49
503.60	0.86	0.087	1,517.040	0.00	0.86	127.00
503.61	0.86	0.087	1,518.598	0.00	0.86	127.51
503.62	0.87	0.088	1,520.158	0.00	0.87	128.02
503.63	0.87	0.088	1,521.718	0.00	0.87	128.54
503.64	0.87	0.088	1,523.278	0.00	0.87	129.05
503.65	0.88	0.089	1,524.840	0.00	0.88	129.56
503.66	0.88	0.089	1,526.402	0.00	0.88	130.07
503.67	0.89	0.089	1,527.966	0.00	0.89	130.58
503.68	0.89	0.090	1,529.530	0.00	0.89	131.09
503.69	0.89	0.090	1,531.094	0.00	0.89	131.61
503.70	0.90	0.090	1,532.660	0.00	0.90	132.12
503.71	0.90	0.091	1,534.226	0.00	0.90	132.64
503.72	0.90	0.091	1,535.794	0.00	0.90	133.15
503.73	0.90	0.091	1,537.362	0.00	0.90	133.67
503.74	0.91	0.092	1,538.930	0.00	0.91	134.18
503.75	0.92	0.092	1,540.500	0.00	0.92	134.70
503.76	0.92	0.092	1,542.070	0.00	0.92	135.22
503.77	0.92	0.093	1,543.642	0.00	0.92	135.74
503.78	0.92	0.093	1,545.214	0.00	0.92	136.26
503.79	0.93	0.094	1,546.786	0.00	0.93	136.77
503.80	0.93	0.094	1,548.360	0.00	0.93	137.29
503.81	0.94	0.094	1,549.934	0.00	0.94	137.81
503.82	0.94	0.095	1,551.510	0.00	0.94	138.33
503.83	0.94	0.095	1,553.086	0.00	0.94	138.85
503.84	0.95	0.095	1,554.662	0.00	0.95	139.38
503.85	0.95	0.096	1,556.240	0.00	0.95	139.90
503.86	0.95	0.096	1,557.818	0.00	0.95	140.42
503.87	0.95	0.096	1,559.398	0.00	0.95	140.94
503.88	0.96	0.097	1,560.978	0.00	0.96	141.47
503.89	0.96	0.097	1,562.558	0.00	0.96	141.99

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
503.90	0.96	0.097	1,564.140	0.00	0.96	142.51
503.91	0.97	0.098	1,565.722	0.00	0.97	143.04
503.92	0.97	0.098	1,567.306	0.00	0.97	143.56
503.93	0.97	0.099	1,568.890	0.00	0.97	144.09
503.94	0.98	0.099	1,570.474	0.00	0.98	144.61
503.95	0.98	0.099	1,572.060	0.00	0.98	145.14
503.96	0.98	0.100	1,573.646	0.00	0.98	145.67
503.97	0.98	0.100	1,575.234	0.00	0.98	146.20
503.98	0.99	0.100	1,576.822	0.00	0.99	146.73
503.99	0.99	0.101	1,578.410	0.00	0.99	147.26
504.00	1.00	0.101	1,580.000	0.00	1.00	147.79
504.01	1.00	0.101	1,581.505	0.00	1.00	148.31
504.02	1.00	0.102	1,583.010	0.00	1.00	148.85
504.03	1.00	0.102	1,584.516	0.00	1.00	149.37
504.04	1.01	0.103	1,586.023	0.00	1.01	149.91
504.05	1.01	0.103	1,587.530	0.00	1.01	150.44
504.06	1.01	0.103	1,589.038	0.00	1.01	150.97
504.07	1.01	0.104	1,590.547	0.00	1.01	151.50
504.08	1.02	0.104	1,592.057	0.00	1.02	152.04
504.09	1.02	0.104	1,593.567	0.00	1.02	152.57
504.10	1.02	0.105	1,595.078	0.00	1.02	153.11
504.11	1.03	0.105	1,596.590	0.00	1.03	153.64
504.12	1.03	0.105	1,598.102	0.00	1.03	154.18
504.13	1.03	0.106	1,599.615	0.00	1.03	154.71
504.14	1.04	0.106	1,601.129	0.00	1.04	155.25
504.15	1.04	0.107	1,602.644	0.00	1.04	155.79
504.16	1.04	0.107	1,604.159	0.00	1.04	156.32
504.17	1.04	0.107	1,605.675	0.00	1.04	156.86
504.18	1.05	0.108	1,607.192	0.00	1.05	157.40
504.19	1.05	0.108	1,608.709	0.00	1.05	157.94
504.20	1.05	0.108	1,610.227	0.00	1.05	158.48
504.21	1.09	0.109	1,611.746	0.00	1.09	159.05
504.22	1.15	0.109	1,613.266	0.00	1.15	159.65
504.23	1.23	0.110	1,614.786	0.00	1.23	160.27
504.24	1.33	0.110	1,616.307	0.00	1.33	160.90
504.25	1.44	0.110	1,617.829	0.00	1.44	161.55
504.26	1.55	0.111	1,619.351	0.00	1.55	162.21
504.27	1.68	0.111	1,620.874	0.00	1.68	162.88
504.28	1.82	0.111	1,622.398	0.00	1.82	163.56
504.29	1.97	0.112	1,623.923	0.00	1.97	164.24
504.30	2.12	0.112	1,625.448	0.00	2.12	164.94
504.31	2.29	0.113	1,626.974	0.00	2.29	165.65
504.32	2.46	0.113	1,628.501	0.00	2.46	166.36
504.33	2.63	0.113	1,630.028	0.00	2.63	167.08
504.34	2.82	0.114	1,631.557	0.00	2.82	167.81

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
504.35	3.01	0.114	1,633.086	0.00	3.01	168.54
504.36	3.21	0.114	1,634.615	0.00	3.21	169.28
504.37	3.41	0.115	1,636.145	0.00	3.41	170.03
504.38	3.62	0.115	1,637.677	0.00	3.62	170.79
504.39	3.84	0.116	1,639.208	0.00	3.84	171.55
504.40	4.06	0.116	1,640.741	0.00	4.06	172.32
504.41	4.29	0.116	1,642.274	0.00	4.29	173.09
504.42	4.52	0.117	1,643.808	0.00	4.52	173.87
504.43	4.75	0.117	1,645.343	0.00	4.75	174.66
504.44	4.99	0.117	1,646.878	0.00	4.99	175.45
504.45	5.24	0.118	1,648.414	0.00	5.24	176.24
504.46	5.50	0.118	1,649.951	0.00	5.50	177.05
504.47	5.75	0.119	1,651.488	0.00	5.75	177.85
504.48	6.01	0.119	1,653.026	0.00	6.01	178.67
504.49	6.28	0.119	1,654.565	0.00	6.28	179.48
504.50	6.55	0.120	1,656.105	0.00	6.55	180.31
504.51	6.83	0.120	1,657.645	0.00	6.83	181.13
504.52	7.11	0.120	1,659.186	0.00	7.11	181.97
504.53	7.39	0.121	1,660.728	0.00	7.39	182.81
504.54	7.68	0.121	1,662.271	0.00	7.68	183.65
504.55	7.98	0.122	1,663.814	0.00	7.98	184.50
504.56	8.27	0.122	1,665.358	0.00	8.27	185.35
504.57	8.57	0.122	1,666.903	0.00	8.57	186.21
504.58	8.88	0.123	1,668.448	0.00	8.88	187.07
504.59	9.19	0.123	1,669.994	0.00	9.19	187.93
504.60	9.50	0.123	1,671.541	0.00	9.50	188.80
504.61	9.82	0.124	1,673.088	0.00	9.82	189.68
504.62	10.14	0.124	1,674.637	0.00	10.14	190.56
504.63	10.47	0.125	1,676.185	0.00	10.47	191.44
504.64	10.79	0.125	1,677.735	0.00	10.79	192.33
504.65	11.13	0.125	1,679.286	0.00	11.13	193.22
504.66	11.46	0.126	1,680.837	0.00	11.46	194.12
504.67	11.80	0.126	1,682.388	0.00	11.80	195.02
504.68	12.15	0.127	1,683.941	0.00	12.15	195.92
504.69	12.49	0.127	1,685.494	0.00	12.49	196.83
504.70	12.84	0.127	1,687.048	0.00	12.84	197.74
504.71	13.17	0.128	1,688.603	0.00	13.17	198.63
504.72	13.48	0.128	1,690.158	0.00	13.48	199.51
504.73	13.81	0.129	1,691.714	0.00	13.81	200.39
504.74	14.13	0.129	1,693.271	0.00	14.13	201.28
504.75	14.45	0.129	1,694.829	0.00	14.45	202.17
504.76	14.77	0.130	1,696.387	0.00	14.77	203.05
504.77	15.09	0.130	1,697.946	0.00	15.09	203.94
504.78	15.33	0.130	1,699.506	0.00	15.33	204.75
504.79	15.58	0.131	1,701.066	0.00	15.58	205.56

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
504.80	15.80	0.131	1,702.627	0.00	15.80	206.35
504.81	15.97	0.132	1,704.189	0.00	15.97	207.09
504.82	16.07	0.132	1,705.752	0.00	16.07	207.75
504.83	16.07	0.132	1,707.315	0.00	16.07	208.33
504.84	16.08	0.133	1,708.879	0.00	16.08	208.90
504.85	16.08	0.133	1,710.444	0.00	16.08	209.48
504.86	16.09	0.134	1,712.009	0.00	16.09	210.05
504.87	16.10	0.134	1,713.575	0.00	16.10	210.63
504.88	16.10	0.134	1,715.142	0.00	16.10	211.21
504.89	16.11	0.135	1,716.710	0.00	16.11	211.79
504.90	16.11	0.135	1,718.278	0.00	16.11	212.36
504.91	16.12	0.136	1,719.847	0.00	16.12	212.94
504.92	16.13	0.136	1,721.417	0.00	16.13	213.52
504.93	16.13	0.136	1,722.987	0.00	16.13	214.10
504.94	16.14	0.137	1,724.558	0.00	16.14	214.68
504.95	16.14	0.137	1,726.130	0.00	16.14	215.26
504.96	16.15	0.138	1,727.703	0.00	16.15	215.85
504.97	16.16	0.138	1,729.276	0.00	16.16	216.43
504.98	16.16	0.138	1,730.850	0.00	16.16	217.01
504.99	16.17	0.139	1,732.425	0.00	16.17	217.59
505.00	16.18	0.139	1,734.000	0.00	16.18	218.18
505.01	16.18	0.140	1,735.504	0.00	16.18	218.76
505.02	16.19	0.140	1,737.009	0.00	16.19	219.35
505.03	16.19	0.140	1,738.514	0.00	16.19	219.93
505.04	16.20	0.141	1,740.020	0.00	16.20	220.52
505.05	16.21	0.141	1,741.527	0.00	16.21	221.10
505.06	16.21	0.142	1,743.034	0.00	16.21	221.69
505.07	16.22	0.142	1,744.542	0.00	16.22	222.28
505.08	16.22	0.142	1,746.050	0.00	16.22	222.87
505.09	16.23	0.143	1,747.560	0.00	16.23	223.45
505.10	16.23	0.143	1,749.070	0.00	16.23	224.04
505.11	16.24	0.144	1,750.580	0.00	16.24	224.63
505.12	16.25	0.144	1,752.091	0.00	16.25	225.22
505.13	16.25	0.144	1,753.603	0.00	16.25	225.81
505.14	16.26	0.145	1,755.116	0.00	16.26	226.40
505.15	16.26	0.145	1,756.629	0.00	16.26	226.99
505.16	16.27	0.146	1,758.143	0.00	16.27	227.59
505.17	16.28	0.146	1,759.657	0.00	16.28	228.18
505.18	16.28	0.146	1,761.172	0.00	16.28	228.77
505.19	16.29	0.147	1,762.688	0.00	16.29	229.36
505.20	16.29	0.147	1,764.204	0.00	16.29	229.96
505.21	16.30	0.148	1,765.721	0.00	16.30	230.55
505.22	16.31	0.148	1,767.239	0.00	16.31	231.15
505.23	16.31	0.148	1,768.758	0.00	16.31	231.74
505.24	16.32	0.149	1,770.277	0.00	16.32	232.34

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Elevation (ft)	Outflow (ft^3/s)	Storage (ac-ft)	Area (ft^2)	Infiltration (ft^3/s)	Flow (Total) (ft^3/s)	2S/t + O (ft^3/s)
505.25	16.32	0.149	1,771.796	0.00	16.32	232.93
505.26	16.33	0.150	1,773.317	0.00	16.33	233.53
505.27	16.34	0.150	1,774.838	0.00	16.34	234.13
505.28	16.34	0.150	1,776.359	0.00	16.34	234.73
505.29	16.35	0.151	1,777.881	0.00	16.35	235.33
505.30	16.35	0.151	1,779.404	0.00	16.35	235.92
505.31	16.36	0.152	1,780.928	0.00	16.36	236.52
505.32	16.37	0.152	1,782.452	0.00	16.37	237.12
505.33	16.37	0.152	1,783.977	0.00	16.37	237.72
505.34	16.38	0.153	1,785.503	0.00	16.38	238.32
505.35	16.38	0.153	1,787.029	0.00	16.38	238.93
505.36	16.39	0.154	1,788.556	0.00	16.39	239.53
505.37	16.40	0.154	1,790.083	0.00	16.40	240.13
505.38	16.40	0.154	1,791.611	0.00	16.40	240.73
505.39	16.41	0.155	1,793.140	0.00	16.41	241.34
505.40	16.41	0.155	1,794.670	0.00	16.41	241.94
505.41	16.42	0.156	1,796.200	0.00	16.42	242.54
505.42	16.43	0.156	1,797.730	0.00	16.43	243.15
505.43	16.43	0.157	1,799.262	0.00	16.43	243.76
505.44	16.44	0.157	1,800.794	0.00	16.44	244.36
505.45	16.44	0.157	1,802.327	0.00	16.44	244.97
505.46	16.45	0.158	1,803.860	0.00	16.45	245.57
505.47	16.46	0.158	1,805.394	0.00	16.46	246.18
505.48	16.46	0.159	1,806.929	0.00	16.46	246.79
505.49	16.47	0.159	1,808.464	0.00	16.47	247.40
505.50	16.47	0.159	1,810.000	0.00	16.47	248.01

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	500.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	1.000 min

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.00	0.00	0.000	0.000	0.00	0.00	0.00
500.01	0.00	0.000	0.111	0.00	0.00	0.00
500.02	0.00	0.000	0.444	0.00	0.00	0.00
500.03	0.00	0.000	0.999	0.00	0.00	0.00
500.04	0.00	0.000	1.776	0.00	0.00	0.00
500.05	0.00	0.000	2.775	0.00	0.00	0.01
500.06	0.01	0.000	3.996	0.00	0.01	0.01
500.07	0.01	0.000	5.439	0.00	0.01	0.01
500.08	0.01	0.000	7.104	0.00	0.01	0.02
500.09	0.01	0.000	8.991	0.00	0.01	0.02
500.10	0.02	0.000	11.100	0.00	0.02	0.03
500.11	0.02	0.000	13.431	0.00	0.02	0.04
500.12	0.02	0.000	15.984	0.00	0.02	0.04
500.13	0.03	0.000	18.759	0.00	0.03	0.06
500.14	0.03	0.000	21.756	0.00	0.03	0.07
500.15	0.04	0.000	24.975	0.00	0.04	0.08
500.16	0.04	0.000	28.416	0.00	0.04	0.09
500.17	0.05	0.000	32.079	0.00	0.05	0.11
500.18	0.05	0.000	35.964	0.00	0.05	0.12
500.19	0.06	0.000	40.071	0.00	0.06	0.14
500.20	0.06	0.000	44.400	0.00	0.06	0.16
500.21	0.07	0.000	48.951	0.00	0.07	0.18
500.22	0.07	0.000	53.724	0.00	0.07	0.21
500.23	0.08	0.000	58.719	0.00	0.08	0.23
500.24	0.09	0.000	63.936	0.00	0.09	0.26
500.25	0.09	0.000	69.375	0.00	0.09	0.28
500.26	0.10	0.000	75.036	0.00	0.10	0.31
500.27	0.10	0.000	80.919	0.00	0.10	0.35
500.28	0.11	0.000	87.024	0.00	0.11	0.38
500.29	0.12	0.000	93.351	0.00	0.12	0.42

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.30	0.13	0.000	99.900	0.00	0.13	0.46
500.31	0.13	0.000	106.671	0.00	0.13	0.50
500.32	0.13	0.000	113.664	0.00	0.13	0.54
500.33	0.14	0.000	120.879	0.00	0.14	0.58
500.34	0.14	0.000	128.316	0.00	0.14	0.63
500.35	0.15	0.000	135.975	0.00	0.15	0.67
500.36	0.15	0.000	143.856	0.00	0.15	0.72
500.37	0.15	0.000	151.959	0.00	0.15	0.78
500.38	0.16	0.000	160.284	0.00	0.16	0.83
500.39	0.16	0.001	168.831	0.00	0.16	0.89
500.40	0.16	0.001	177.600	0.00	0.16	0.95
500.41	0.16	0.001	186.591	0.00	0.16	1.01
500.42	0.17	0.001	195.804	0.00	0.17	1.08
500.43	0.17	0.001	205.239	0.00	0.17	1.15
500.44	0.17	0.001	214.896	0.00	0.17	1.23
500.45	0.18	0.001	224.775	0.00	0.18	1.30
500.46	0.18	0.001	234.876	0.00	0.18	1.38
500.47	0.18	0.001	245.199	0.00	0.18	1.46
500.48	0.19	0.001	255.744	0.00	0.19	1.55
500.49	0.19	0.001	266.511	0.00	0.19	1.64
500.50	0.19	0.001	277.500	0.00	0.19	1.73
500.51	0.19	0.001	288.711	0.00	0.19	1.83
500.52	0.20	0.001	300.144	0.00	0.20	1.93
500.53	0.20	0.001	311.799	0.00	0.20	2.04
500.54	0.20	0.001	323.676	0.00	0.20	2.14
500.55	0.21	0.001	335.775	0.00	0.21	2.26
500.56	0.21	0.001	348.096	0.00	0.21	2.37
500.57	0.21	0.002	360.639	0.00	0.21	2.49
500.58	0.21	0.002	373.404	0.00	0.21	2.62
500.59	0.21	0.002	386.391	0.00	0.21	2.75
500.60	0.22	0.002	399.600	0.00	0.22	2.88
500.61	0.22	0.002	413.031	0.00	0.22	3.02
500.62	0.22	0.002	426.684	0.00	0.22	3.16
500.63	0.22	0.002	440.559	0.00	0.22	3.31
500.64	0.23	0.002	454.656	0.00	0.23	3.46
500.65	0.23	0.002	468.975	0.00	0.23	3.62
500.66	0.23	0.002	483.516	0.00	0.23	3.78
500.67	0.23	0.003	498.279	0.00	0.23	3.94
500.68	0.23	0.003	513.264	0.00	0.23	4.11
500.69	0.24	0.003	528.471	0.00	0.24	4.29
500.70	0.24	0.003	543.900	0.00	0.24	4.47
500.71	0.24	0.003	559.551	0.00	0.24	4.66
500.72	0.24	0.003	575.424	0.00	0.24	4.85
500.73	0.25	0.003	591.519	0.00	0.25	5.04
500.74	0.25	0.003	607.836	0.00	0.25	5.25

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.75	0.25	0.004	624.375	0.00	0.25	5.45
500.76	0.25	0.004	641.136	0.00	0.25	5.66
500.77	0.25	0.004	658.119	0.00	0.25	5.89
500.78	0.26	0.004	675.324	0.00	0.26	6.11
500.79	0.26	0.004	692.751	0.00	0.26	6.34
500.80	0.26	0.004	710.400	0.00	0.26	6.58
500.81	0.26	0.005	728.271	0.00	0.26	6.82
500.82	0.26	0.005	746.364	0.00	0.26	7.06
500.83	0.27	0.005	764.679	0.00	0.27	7.32
500.84	0.27	0.005	783.216	0.00	0.27	7.58
500.85	0.27	0.005	801.975	0.00	0.27	7.84
500.86	0.27	0.005	820.956	0.00	0.27	8.12
500.87	0.27	0.006	840.159	0.00	0.27	8.40
500.88	0.28	0.006	859.584	0.00	0.28	8.68
500.89	0.28	0.006	879.231	0.00	0.28	8.97
500.90	0.28	0.006	899.100	0.00	0.28	9.27
500.91	0.28	0.006	919.191	0.00	0.28	9.57
500.92	0.28	0.007	939.504	0.00	0.28	9.89
500.93	0.28	0.007	960.039	0.00	0.28	10.20
500.94	0.29	0.007	980.796	0.00	0.29	10.53
500.95	0.29	0.007	1,001.775	0.00	0.29	10.86
500.96	0.29	0.008	1,022.976	0.00	0.29	11.20
500.97	0.29	0.008	1,044.399	0.00	0.29	11.55
500.98	0.29	0.008	1,066.044	0.00	0.29	11.90
500.99	0.29	0.008	1,087.911	0.00	0.29	12.26
501.00	0.30	0.008	1,110.000	0.00	0.30	12.63
501.01	0.30	0.009	1,111.509	0.00	0.30	13.00
501.02	0.30	0.009	1,113.020	0.00	0.30	13.37
501.03	0.30	0.009	1,114.531	0.00	0.30	13.75
501.04	0.30	0.010	1,116.043	0.00	0.30	14.12
501.05	0.31	0.010	1,117.556	0.00	0.31	14.49
501.06	0.31	0.010	1,119.071	0.00	0.31	14.87
501.07	0.31	0.010	1,120.586	0.00	0.31	15.24
501.08	0.31	0.011	1,122.103	0.00	0.31	15.62
501.09	0.31	0.011	1,123.620	0.00	0.31	16.00
501.10	0.31	0.011	1,125.139	0.00	0.31	16.37
501.11	0.32	0.011	1,126.658	0.00	0.32	16.75
501.12	0.32	0.012	1,128.179	0.00	0.32	17.13
501.13	0.32	0.012	1,129.700	0.00	0.32	17.50
501.14	0.32	0.012	1,131.223	0.00	0.32	17.88
501.15	0.32	0.012	1,132.746	0.00	0.32	18.26
501.16	0.32	0.013	1,134.271	0.00	0.32	18.64
501.17	0.33	0.013	1,135.797	0.00	0.33	19.02
501.18	0.33	0.013	1,137.323	0.00	0.33	19.40
501.19	0.33	0.013	1,138.851	0.00	0.33	19.78

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
501.20	0.33	0.014	1,140.380	0.00	0.33	20.16
501.21	0.33	0.014	1,141.909	0.00	0.33	20.55
501.22	0.33	0.014	1,143.440	0.00	0.33	20.93
501.23	0.33	0.014	1,144.972	0.00	0.33	21.31
501.24	0.34	0.015	1,146.505	0.00	0.34	21.70
501.25	0.34	0.015	1,148.039	0.00	0.34	22.08
501.26	0.34	0.015	1,149.574	0.00	0.34	22.46
501.27	0.34	0.016	1,151.110	0.00	0.34	22.85
501.28	0.34	0.016	1,152.646	0.00	0.34	23.23
501.29	0.34	0.016	1,154.184	0.00	0.34	23.62
501.30	0.35	0.016	1,155.723	0.00	0.35	24.01
501.31	0.35	0.017	1,157.263	0.00	0.35	24.39
501.32	0.35	0.017	1,158.804	0.00	0.35	24.78
501.33	0.35	0.017	1,160.346	0.00	0.35	25.17
501.34	0.35	0.017	1,161.890	0.00	0.35	25.56
501.35	0.35	0.018	1,163.434	0.00	0.35	25.95
501.36	0.35	0.018	1,164.979	0.00	0.35	26.34
501.37	0.36	0.018	1,166.525	0.00	0.36	26.73
501.38	0.36	0.018	1,168.072	0.00	0.36	27.12
501.39	0.36	0.019	1,169.620	0.00	0.36	27.51
501.40	0.36	0.019	1,171.170	0.00	0.36	27.90
501.41	0.36	0.019	1,172.720	0.00	0.36	28.29
501.42	0.36	0.020	1,174.271	0.00	0.36	28.68
501.43	0.36	0.020	1,175.823	0.00	0.36	29.08
501.44	0.37	0.020	1,177.377	0.00	0.37	29.47
501.45	0.37	0.020	1,178.931	0.00	0.37	29.86
501.46	0.37	0.021	1,180.487	0.00	0.37	30.26
501.47	0.37	0.021	1,182.043	0.00	0.37	30.65
501.48	0.37	0.021	1,183.600	0.00	0.37	31.05
501.49	0.37	0.021	1,185.159	0.00	0.37	31.45
501.50	0.37	0.022	1,186.718	0.00	0.37	31.84
501.51	0.37	0.022	1,188.279	0.00	0.37	32.24
501.52	0.38	0.022	1,189.840	0.00	0.38	32.64
501.53	0.38	0.022	1,191.403	0.00	0.38	33.04
501.54	0.38	0.023	1,192.967	0.00	0.38	33.44
501.55	0.38	0.023	1,194.531	0.00	0.38	33.83
501.56	0.38	0.023	1,196.097	0.00	0.38	34.23
501.57	0.38	0.024	1,197.663	0.00	0.38	34.63
501.58	0.39	0.024	1,199.231	0.00	0.39	35.04
501.59	0.39	0.024	1,200.800	0.00	0.39	35.44
501.60	0.39	0.024	1,202.370	0.00	0.39	35.84
501.61	0.39	0.025	1,203.940	0.00	0.39	36.24
501.62	0.39	0.025	1,205.512	0.00	0.39	36.64
501.63	0.39	0.025	1,207.085	0.00	0.39	37.05
501.64	0.39	0.026	1,208.659	0.00	0.39	37.45

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
501.65	0.39	0.026	1,210.234	0.00	0.39	37.86
501.66	0.40	0.026	1,211.810	0.00	0.40	38.26
501.67	0.40	0.026	1,213.386	0.00	0.40	38.67
501.68	0.40	0.027	1,214.964	0.00	0.40	39.07
501.69	0.40	0.027	1,216.543	0.00	0.40	39.48
501.70	0.40	0.027	1,218.123	0.00	0.40	39.89
501.71	0.40	0.027	1,219.704	0.00	0.40	40.29
501.72	0.40	0.028	1,221.286	0.00	0.40	40.70
501.73	0.40	0.028	1,222.870	0.00	0.40	41.11
501.74	0.41	0.028	1,224.454	0.00	0.41	41.52
501.75	0.41	0.029	1,226.039	0.00	0.41	41.93
501.76	0.41	0.029	1,227.625	0.00	0.41	42.34
501.77	0.41	0.029	1,229.212	0.00	0.41	42.75
501.78	0.41	0.029	1,230.800	0.00	0.41	43.16
501.79	0.41	0.030	1,232.389	0.00	0.41	43.57
501.80	0.41	0.030	1,233.980	0.00	0.41	43.99
501.81	0.41	0.030	1,235.571	0.00	0.41	44.40
501.82	0.41	0.031	1,237.163	0.00	0.41	44.81
501.83	0.42	0.031	1,238.757	0.00	0.42	45.23
501.84	0.42	0.031	1,240.351	0.00	0.42	45.64
501.85	0.42	0.031	1,241.946	0.00	0.42	46.05
501.86	0.42	0.032	1,243.543	0.00	0.42	46.47
501.87	0.42	0.032	1,245.140	0.00	0.42	46.89
501.88	0.42	0.032	1,246.739	0.00	0.42	47.30
501.89	0.42	0.033	1,248.338	0.00	0.42	47.72
501.90	0.42	0.033	1,249.939	0.00	0.42	48.14
501.91	0.43	0.033	1,251.540	0.00	0.43	48.56
501.92	0.43	0.033	1,253.143	0.00	0.43	48.97
501.93	0.43	0.034	1,254.746	0.00	0.43	49.39
501.94	0.43	0.034	1,256.351	0.00	0.43	49.81
501.95	0.43	0.034	1,257.956	0.00	0.43	50.23
501.96	0.43	0.035	1,259.563	0.00	0.43	50.65
501.97	0.43	0.035	1,261.171	0.00	0.43	51.07
501.98	0.44	0.035	1,262.780	0.00	0.44	51.50
501.99	0.44	0.035	1,264.389	0.00	0.44	51.92
502.00	0.44	0.036	1,266.000	0.00	0.44	52.34
502.01	0.44	0.036	1,267.543	0.00	0.44	52.77
502.02	0.44	0.036	1,269.088	0.00	0.44	53.19
502.03	0.44	0.037	1,270.633	0.00	0.44	53.61
502.04	0.44	0.037	1,272.179	0.00	0.44	54.04
502.05	0.44	0.037	1,273.727	0.00	0.44	54.47
502.06	0.44	0.037	1,275.275	0.00	0.44	54.89
502.07	0.45	0.038	1,276.824	0.00	0.45	55.32
502.08	0.45	0.038	1,278.374	0.00	0.45	55.74
502.09	0.45	0.038	1,279.925	0.00	0.45	56.17

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
502.10	0.45	0.039	1,281.477	0.00	0.45	56.60
502.11	0.45	0.039	1,283.030	0.00	0.45	57.03
502.12	0.45	0.039	1,284.584	0.00	0.45	57.46
502.13	0.45	0.040	1,286.138	0.00	0.45	57.89
502.14	0.45	0.040	1,287.694	0.00	0.45	58.32
502.15	0.46	0.040	1,289.251	0.00	0.46	58.75
502.16	0.46	0.040	1,290.808	0.00	0.46	59.18
502.17	0.46	0.041	1,292.367	0.00	0.46	59.61
502.18	0.46	0.041	1,293.926	0.00	0.46	60.04
502.19	0.46	0.041	1,295.486	0.00	0.46	60.48
502.20	0.46	0.042	1,297.048	0.00	0.46	60.91
502.21	0.46	0.042	1,298.610	0.00	0.46	61.34
502.22	0.46	0.042	1,300.173	0.00	0.46	61.78
502.23	0.46	0.043	1,301.737	0.00	0.46	62.21
502.24	0.47	0.043	1,303.302	0.00	0.47	62.65
502.25	0.47	0.043	1,304.868	0.00	0.47	63.08
502.26	0.47	0.043	1,306.435	0.00	0.47	63.52
502.27	0.47	0.044	1,308.003	0.00	0.47	63.95
502.28	0.47	0.044	1,309.572	0.00	0.47	64.39
502.29	0.47	0.044	1,311.142	0.00	0.47	64.83
502.30	0.47	0.045	1,312.713	0.00	0.47	65.27
502.31	0.47	0.045	1,314.284	0.00	0.47	65.71
502.32	0.47	0.045	1,315.857	0.00	0.47	66.15
502.33	0.47	0.046	1,317.431	0.00	0.47	66.59
502.34	0.48	0.046	1,319.005	0.00	0.48	67.03
502.35	0.48	0.046	1,320.580	0.00	0.48	67.47
502.36	0.48	0.046	1,322.157	0.00	0.48	67.91
502.37	0.48	0.047	1,323.734	0.00	0.48	68.35
502.38	0.48	0.047	1,325.312	0.00	0.48	68.80
502.39	0.48	0.047	1,326.892	0.00	0.48	69.24
502.40	0.48	0.048	1,328.472	0.00	0.48	69.68
502.41	0.48	0.048	1,330.053	0.00	0.48	70.13
502.42	0.48	0.048	1,331.635	0.00	0.48	70.57
502.43	0.49	0.049	1,333.218	0.00	0.49	71.02
502.44	0.49	0.049	1,334.802	0.00	0.49	71.46
502.45	0.49	0.049	1,336.386	0.00	0.49	71.91
502.46	0.49	0.049	1,337.972	0.00	0.49	72.36
502.47	0.49	0.050	1,339.559	0.00	0.49	72.80
502.48	0.49	0.050	1,341.147	0.00	0.49	73.25
502.49	0.49	0.050	1,342.735	0.00	0.49	73.70
502.50	0.49	0.051	1,344.325	0.00	0.49	74.15
502.51	0.50	0.051	1,345.915	0.00	0.50	74.60
502.52	0.49	0.051	1,347.507	0.00	0.49	75.05
502.53	0.50	0.052	1,349.099	0.00	0.50	75.50
502.54	0.50	0.052	1,350.692	0.00	0.50	75.95

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
502.55	0.50	0.052	1,352.286	0.00	0.50	76.40
502.56	0.50	0.053	1,353.882	0.00	0.50	76.85
502.57	0.50	0.053	1,355.478	0.00	0.50	77.30
502.58	0.50	0.053	1,357.075	0.00	0.50	77.76
502.59	0.50	0.054	1,358.673	0.00	0.50	78.21
502.60	0.50	0.054	1,360.272	0.00	0.50	78.67
502.61	0.50	0.054	1,361.872	0.00	0.50	79.12
502.62	0.51	0.054	1,363.472	0.00	0.51	79.58
502.63	0.50	0.055	1,365.074	0.00	0.50	80.03
502.64	0.51	0.055	1,366.677	0.00	0.51	80.49
502.65	0.51	0.055	1,368.280	0.00	0.51	80.94
502.66	0.51	0.056	1,369.885	0.00	0.51	81.40
502.67	0.51	0.056	1,371.491	0.00	0.51	81.86
502.68	0.51	0.056	1,373.097	0.00	0.51	82.32
502.69	0.51	0.057	1,374.704	0.00	0.51	82.78
502.70	0.51	0.057	1,376.313	0.00	0.51	83.24
502.71	0.51	0.057	1,377.922	0.00	0.51	83.70
502.72	0.51	0.058	1,379.532	0.00	0.51	84.16
502.73	0.52	0.058	1,381.143	0.00	0.52	84.62
502.74	0.52	0.058	1,382.755	0.00	0.52	85.08
502.75	0.52	0.059	1,384.368	0.00	0.52	85.54
502.76	0.52	0.059	1,385.982	0.00	0.52	86.00
502.77	0.52	0.059	1,387.597	0.00	0.52	86.47
502.78	0.52	0.060	1,389.213	0.00	0.52	86.93
502.79	0.52	0.060	1,390.830	0.00	0.52	87.40
502.80	0.52	0.060	1,392.448	0.00	0.52	87.86
502.81	0.52	0.060	1,394.066	0.00	0.52	88.33
502.82	0.52	0.061	1,395.686	0.00	0.52	88.79
502.83	0.52	0.061	1,397.307	0.00	0.52	89.26
502.84	0.53	0.061	1,398.928	0.00	0.53	89.73
502.85	0.53	0.062	1,400.551	0.00	0.53	90.19
502.86	0.53	0.062	1,402.174	0.00	0.53	90.66
502.87	0.53	0.062	1,403.798	0.00	0.53	91.13
502.88	0.53	0.063	1,405.424	0.00	0.53	91.60
502.89	0.53	0.063	1,407.050	0.00	0.53	92.07
502.90	0.53	0.063	1,408.677	0.00	0.53	92.54
502.91	0.54	0.064	1,410.305	0.00	0.54	93.01
502.92	0.54	0.064	1,411.934	0.00	0.54	93.48
502.93	0.54	0.064	1,413.564	0.00	0.54	93.95
502.94	0.54	0.065	1,415.195	0.00	0.54	94.43
502.95	0.54	0.065	1,416.827	0.00	0.54	94.90
502.96	0.54	0.065	1,418.459	0.00	0.54	95.37
502.97	0.54	0.066	1,420.093	0.00	0.54	95.85
502.98	0.54	0.066	1,421.728	0.00	0.54	96.32
502.99	0.54	0.066	1,423.363	0.00	0.54	96.79

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
503.00	0.54	0.067	1,425.000	0.00	0.54	97.27
503.01	0.54	0.067	1,426.510	0.00	0.54	97.75
503.02	0.55	0.067	1,428.022	0.00	0.55	98.23
503.03	0.55	0.068	1,429.534	0.00	0.55	98.71
503.04	0.55	0.068	1,431.046	0.00	0.55	99.18
503.05	0.56	0.068	1,432.560	0.00	0.56	99.67
503.06	0.56	0.069	1,434.074	0.00	0.56	100.15
503.07	0.56	0.069	1,435.590	0.00	0.56	100.63
503.08	0.57	0.069	1,437.106	0.00	0.57	101.11
503.09	0.57	0.070	1,438.622	0.00	0.57	101.60
503.10	0.58	0.070	1,440.140	0.00	0.58	102.08
503.11	0.58	0.070	1,441.658	0.00	0.58	102.56
503.12	0.58	0.071	1,443.178	0.00	0.58	103.05
503.13	0.59	0.071	1,444.698	0.00	0.59	103.54
503.14	0.59	0.071	1,446.218	0.00	0.59	104.02
503.15	0.60	0.072	1,447.740	0.00	0.60	104.51
503.16	0.61	0.072	1,449.262	0.00	0.61	105.00
503.17	0.61	0.072	1,450.786	0.00	0.61	105.49
503.18	0.62	0.073	1,452.310	0.00	0.62	105.98
503.19	0.62	0.073	1,453.834	0.00	0.62	106.47
503.20	0.63	0.073	1,455.360	0.00	0.63	106.96
503.21	0.64	0.074	1,456.886	0.00	0.64	107.45
503.22	0.64	0.074	1,458.414	0.00	0.64	107.94
503.23	0.65	0.074	1,459.942	0.00	0.65	108.44
503.24	0.65	0.075	1,461.470	0.00	0.65	108.93
503.25	0.66	0.075	1,463.000	0.00	0.66	109.42
503.26	0.66	0.075	1,464.530	0.00	0.66	109.91
503.27	0.67	0.076	1,466.062	0.00	0.67	110.41
503.28	0.68	0.076	1,467.594	0.00	0.68	110.91
503.29	0.69	0.076	1,469.126	0.00	0.69	111.40
503.30	0.69	0.077	1,470.660	0.00	0.69	111.90
503.31	0.70	0.077	1,472.194	0.00	0.70	112.40
503.32	0.71	0.077	1,473.730	0.00	0.71	112.90
503.33	0.73	0.078	1,475.266	0.00	0.73	113.41
503.34	0.74	0.078	1,476.802	0.00	0.74	113.91
503.35	0.75	0.078	1,478.340	0.00	0.75	114.41
503.36	0.75	0.079	1,479.878	0.00	0.75	114.91
503.37	0.76	0.079	1,481.418	0.00	0.76	115.41
503.38	0.76	0.079	1,482.958	0.00	0.76	115.91
503.39	0.77	0.080	1,484.498	0.00	0.77	116.41
503.40	0.77	0.080	1,486.040	0.00	0.77	116.91
503.41	0.78	0.080	1,487.582	0.00	0.78	117.40
503.42	0.78	0.081	1,489.126	0.00	0.78	117.91
503.43	0.78	0.081	1,490.670	0.00	0.78	118.41
503.44	0.79	0.081	1,492.214	0.00	0.79	118.91

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
503.45	0.79	0.082	1,493.760	0.00	0.79	119.41
503.46	0.80	0.082	1,495.306	0.00	0.80	119.92
503.47	0.81	0.082	1,496.854	0.00	0.81	120.42
503.48	0.81	0.083	1,498.402	0.00	0.81	120.92
503.49	0.81	0.083	1,499.950	0.00	0.81	121.43
503.50	0.82	0.083	1,501.500	0.00	0.82	121.93
503.51	0.82	0.084	1,503.050	0.00	0.82	122.44
503.52	0.83	0.084	1,504.602	0.00	0.83	122.94
503.53	0.83	0.084	1,506.154	0.00	0.83	123.45
503.54	0.84	0.085	1,507.706	0.00	0.84	123.96
503.55	0.84	0.085	1,509.260	0.00	0.84	124.46
503.56	0.84	0.085	1,510.814	0.00	0.84	124.97
503.57	0.85	0.086	1,512.370	0.00	0.85	125.48
503.58	0.85	0.086	1,513.926	0.00	0.85	125.99
503.59	0.86	0.087	1,515.482	0.00	0.86	126.49
503.60	0.86	0.087	1,517.040	0.00	0.86	127.00
503.61	0.86	0.087	1,518.598	0.00	0.86	127.51
503.62	0.87	0.088	1,520.158	0.00	0.87	128.02
503.63	0.87	0.088	1,521.718	0.00	0.87	128.54
503.64	0.87	0.088	1,523.278	0.00	0.87	129.05
503.65	0.88	0.089	1,524.840	0.00	0.88	129.56
503.66	0.88	0.089	1,526.402	0.00	0.88	130.07
503.67	0.89	0.089	1,527.966	0.00	0.89	130.58
503.68	0.89	0.090	1,529.530	0.00	0.89	131.09
503.69	0.89	0.090	1,531.094	0.00	0.89	131.61
503.70	0.90	0.090	1,532.660	0.00	0.90	132.12
503.71	0.90	0.091	1,534.226	0.00	0.90	132.64
503.72	0.90	0.091	1,535.794	0.00	0.90	133.15
503.73	0.90	0.091	1,537.362	0.00	0.90	133.67
503.74	0.91	0.092	1,538.930	0.00	0.91	134.18
503.75	0.92	0.092	1,540.500	0.00	0.92	134.70
503.76	0.92	0.092	1,542.070	0.00	0.92	135.22
503.77	0.92	0.093	1,543.642	0.00	0.92	135.74
503.78	0.92	0.093	1,545.214	0.00	0.92	136.26
503.79	0.93	0.094	1,546.786	0.00	0.93	136.77
503.80	0.93	0.094	1,548.360	0.00	0.93	137.29
503.81	0.94	0.094	1,549.934	0.00	0.94	137.81
503.82	0.94	0.095	1,551.510	0.00	0.94	138.33
503.83	0.94	0.095	1,553.086	0.00	0.94	138.85
503.84	0.95	0.095	1,554.662	0.00	0.95	139.38
503.85	0.95	0.096	1,556.240	0.00	0.95	139.90
503.86	0.95	0.096	1,557.818	0.00	0.95	140.42
503.87	0.95	0.096	1,559.398	0.00	0.95	140.94
503.88	0.96	0.097	1,560.978	0.00	0.96	141.47
503.89	0.96	0.097	1,562.558	0.00	0.96	141.99

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
503.90	0.96	0.097	1,564.140	0.00	0.96	142.51
503.91	0.97	0.098	1,565.722	0.00	0.97	143.04
503.92	0.97	0.098	1,567.306	0.00	0.97	143.56
503.93	0.97	0.099	1,568.890	0.00	0.97	144.09
503.94	0.98	0.099	1,570.474	0.00	0.98	144.61
503.95	0.98	0.099	1,572.060	0.00	0.98	145.14
503.96	0.98	0.100	1,573.646	0.00	0.98	145.67
503.97	0.98	0.100	1,575.234	0.00	0.98	146.20
503.98	0.99	0.100	1,576.822	0.00	0.99	146.73
503.99	0.99	0.101	1,578.410	0.00	0.99	147.26
504.00	1.00	0.101	1,580.000	0.00	1.00	147.79
504.01	1.00	0.101	1,581.505	0.00	1.00	148.31
504.02	1.00	0.102	1,583.010	0.00	1.00	148.85
504.03	1.00	0.102	1,584.516	0.00	1.00	149.37
504.04	1.01	0.103	1,586.023	0.00	1.01	149.91
504.05	1.01	0.103	1,587.530	0.00	1.01	150.44
504.06	1.01	0.103	1,589.038	0.00	1.01	150.97
504.07	1.01	0.104	1,590.547	0.00	1.01	151.50
504.08	1.02	0.104	1,592.057	0.00	1.02	152.04
504.09	1.02	0.104	1,593.567	0.00	1.02	152.57
504.10	1.02	0.105	1,595.078	0.00	1.02	153.11
504.11	1.03	0.105	1,596.590	0.00	1.03	153.64
504.12	1.03	0.105	1,598.102	0.00	1.03	154.18
504.13	1.03	0.106	1,599.615	0.00	1.03	154.71
504.14	1.04	0.106	1,601.129	0.00	1.04	155.25
504.15	1.04	0.107	1,602.644	0.00	1.04	155.79
504.16	1.04	0.107	1,604.159	0.00	1.04	156.32
504.17	1.04	0.107	1,605.675	0.00	1.04	156.86
504.18	1.05	0.108	1,607.192	0.00	1.05	157.40
504.19	1.05	0.108	1,608.709	0.00	1.05	157.94
504.20	1.05	0.108	1,610.227	0.00	1.05	158.48
504.21	1.09	0.109	1,611.746	0.00	1.09	159.05
504.22	1.15	0.109	1,613.266	0.00	1.15	159.65
504.23	1.23	0.110	1,614.786	0.00	1.23	160.27
504.24	1.33	0.110	1,616.307	0.00	1.33	160.90
504.25	1.44	0.110	1,617.829	0.00	1.44	161.55
504.26	1.55	0.111	1,619.351	0.00	1.55	162.21
504.27	1.68	0.111	1,620.874	0.00	1.68	162.88
504.28	1.82	0.111	1,622.398	0.00	1.82	163.56
504.29	1.97	0.112	1,623.923	0.00	1.97	164.24
504.30	2.12	0.112	1,625.448	0.00	2.12	164.94
504.31	2.29	0.113	1,626.974	0.00	2.29	165.64
504.32	2.46	0.113	1,628.501	0.00	2.46	166.36
504.33	2.63	0.113	1,630.028	0.00	2.63	167.08
504.34	2.82	0.114	1,631.557	0.00	2.82	167.81

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
504.35	3.01	0.114	1,633.086	0.00	3.01	168.54
504.36	3.21	0.114	1,634.615	0.00	3.21	169.28
504.37	3.41	0.115	1,636.145	0.00	3.41	170.03
504.38	3.62	0.115	1,637.677	0.00	3.62	170.79
504.39	3.84	0.116	1,639.208	0.00	3.84	171.55
504.40	4.06	0.116	1,640.741	0.00	4.06	172.32
504.41	4.29	0.116	1,642.274	0.00	4.29	173.09
504.42	4.52	0.117	1,643.808	0.00	4.52	173.87
504.43	4.75	0.117	1,645.343	0.00	4.75	174.66
504.44	4.99	0.117	1,646.878	0.00	4.99	175.45
504.45	5.24	0.118	1,648.414	0.00	5.24	176.24
504.46	5.50	0.118	1,649.951	0.00	5.50	177.05
504.47	5.75	0.119	1,651.488	0.00	5.75	177.85
504.48	6.01	0.119	1,653.026	0.00	6.01	178.67
504.49	6.28	0.119	1,654.565	0.00	6.28	179.48
504.50	6.55	0.120	1,656.105	0.00	6.55	180.31
504.51	6.83	0.120	1,657.645	0.00	6.83	181.13
504.52	7.11	0.120	1,659.186	0.00	7.11	181.97
504.53	7.39	0.121	1,660.728	0.00	7.39	182.81
504.54	7.68	0.121	1,662.271	0.00	7.68	183.65
504.55	7.98	0.122	1,663.814	0.00	7.98	184.50
504.56	8.27	0.122	1,665.358	0.00	8.27	185.35
504.57	8.57	0.122	1,666.903	0.00	8.57	186.21
504.58	8.88	0.123	1,668.448	0.00	8.88	187.07
504.59	9.19	0.123	1,669.994	0.00	9.19	187.93
504.60	9.50	0.123	1,671.541	0.00	9.50	188.80
504.61	9.82	0.124	1,673.088	0.00	9.82	189.68
504.62	10.14	0.124	1,674.637	0.00	10.14	190.56
504.63	10.47	0.125	1,676.185	0.00	10.47	191.44
504.64	10.79	0.125	1,677.735	0.00	10.79	192.33
504.65	11.13	0.125	1,679.286	0.00	11.13	193.22
504.66	11.46	0.126	1,680.837	0.00	11.46	194.12
504.67	11.80	0.126	1,682.388	0.00	11.80	195.02
504.68	12.15	0.127	1,683.941	0.00	12.15	195.92
504.69	12.49	0.127	1,685.494	0.00	12.49	196.83
504.70	12.84	0.127	1,687.048	0.00	12.84	197.74
504.71	13.17	0.128	1,688.603	0.00	13.17	198.63
504.72	13.48	0.128	1,690.158	0.00	13.48	199.51
504.73	13.81	0.129	1,691.714	0.00	13.81	200.39
504.74	14.13	0.129	1,693.271	0.00	14.13	201.28
504.75	14.45	0.129	1,694.829	0.00	14.45	202.17
504.76	14.77	0.130	1,696.387	0.00	14.77	203.05
504.77	15.09	0.130	1,697.946	0.00	15.09	203.94
504.78	15.33	0.130	1,699.506	0.00	15.33	204.75
504.79	15.58	0.131	1,701.066	0.00	15.58	205.56

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
504.80	15.80	0.131	1,702.627	0.00	15.80	206.35
504.81	15.97	0.132	1,704.189	0.00	15.97	207.09
504.82	16.07	0.132	1,705.752	0.00	16.07	207.75
504.83	16.07	0.132	1,707.315	0.00	16.07	208.33
504.84	16.08	0.133	1,708.879	0.00	16.08	208.90
504.85	16.08	0.133	1,710.444	0.00	16.08	209.48
504.86	16.09	0.134	1,712.009	0.00	16.09	210.05
504.87	16.10	0.134	1,713.575	0.00	16.10	210.63
504.88	16.10	0.134	1,715.142	0.00	16.10	211.21
504.89	16.11	0.135	1,716.710	0.00	16.11	211.79
504.90	16.11	0.135	1,718.278	0.00	16.11	212.36
504.91	16.12	0.136	1,719.847	0.00	16.12	212.94
504.92	16.13	0.136	1,721.417	0.00	16.13	213.52
504.93	16.13	0.136	1,722.987	0.00	16.13	214.10
504.94	16.14	0.137	1,724.558	0.00	16.14	214.68
504.95	16.14	0.137	1,726.130	0.00	16.14	215.26
504.96	16.15	0.138	1,727.703	0.00	16.15	215.85
504.97	16.16	0.138	1,729.276	0.00	16.16	216.43
504.98	16.16	0.138	1,730.850	0.00	16.16	217.01
504.99	16.17	0.139	1,732.425	0.00	16.17	217.59
505.00	16.18	0.139	1,734.000	0.00	16.18	218.18
505.01	16.18	0.140	1,735.504	0.00	16.18	218.76
505.02	16.19	0.140	1,737.009	0.00	16.19	219.35
505.03	16.19	0.140	1,738.514	0.00	16.19	219.93
505.04	16.20	0.141	1,740.020	0.00	16.20	220.52
505.05	16.21	0.141	1,741.527	0.00	16.21	221.10
505.06	16.21	0.142	1,743.034	0.00	16.21	221.69
505.07	16.22	0.142	1,744.542	0.00	16.22	222.28
505.08	16.22	0.142	1,746.050	0.00	16.22	222.87
505.09	16.23	0.143	1,747.560	0.00	16.23	223.45
505.10	16.23	0.143	1,749.070	0.00	16.23	224.04
505.11	16.24	0.144	1,750.580	0.00	16.24	224.63
505.12	16.25	0.144	1,752.091	0.00	16.25	225.22
505.13	16.25	0.144	1,753.603	0.00	16.25	225.81
505.14	16.26	0.145	1,755.116	0.00	16.26	226.40
505.15	16.26	0.145	1,756.629	0.00	16.26	226.99
505.16	16.27	0.146	1,758.143	0.00	16.27	227.59
505.17	16.28	0.146	1,759.657	0.00	16.28	228.18
505.18	16.28	0.146	1,761.172	0.00	16.28	228.77
505.19	16.29	0.147	1,762.688	0.00	16.29	229.36
505.20	16.29	0.147	1,764.204	0.00	16.29	229.96
505.21	16.30	0.148	1,765.721	0.00	16.30	230.55
505.22	16.31	0.148	1,767.239	0.00	16.31	231.15
505.23	16.31	0.148	1,768.758	0.00	16.31	231.74
505.24	16.32	0.149	1,770.277	0.00	16.32	232.34

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Elevation (ft)	Outflow (ft^3/s)	Storage (ac-ft)	Area (ft^2)	Infiltration (ft^3/s)	Flow (Total) (ft^3/s)	2S/t + O (ft^3/s)
505.25	16.32	0.149	1,771.796	0.00	16.32	232.93
505.26	16.33	0.150	1,773.317	0.00	16.33	233.53
505.27	16.34	0.150	1,774.838	0.00	16.34	234.13
505.28	16.34	0.150	1,776.359	0.00	16.34	234.73
505.29	16.35	0.151	1,777.881	0.00	16.35	235.33
505.30	16.35	0.151	1,779.404	0.00	16.35	235.92
505.31	16.36	0.152	1,780.928	0.00	16.36	236.52
505.32	16.37	0.152	1,782.452	0.00	16.37	237.12
505.33	16.37	0.152	1,783.977	0.00	16.37	237.72
505.34	16.38	0.153	1,785.503	0.00	16.38	238.32
505.35	16.38	0.153	1,787.029	0.00	16.38	238.93
505.36	16.39	0.154	1,788.556	0.00	16.39	239.53
505.37	16.40	0.154	1,790.083	0.00	16.40	240.13
505.38	16.40	0.154	1,791.611	0.00	16.40	240.73
505.39	16.41	0.155	1,793.140	0.00	16.41	241.34
505.40	16.41	0.155	1,794.670	0.00	16.41	241.94
505.41	16.42	0.156	1,796.200	0.00	16.42	242.54
505.42	16.43	0.156	1,797.730	0.00	16.43	243.15
505.43	16.43	0.157	1,799.262	0.00	16.43	243.76
505.44	16.44	0.157	1,800.794	0.00	16.44	244.36
505.45	16.44	0.157	1,802.327	0.00	16.44	244.97
505.46	16.45	0.158	1,803.860	0.00	16.45	245.57
505.47	16.46	0.158	1,805.394	0.00	16.46	246.18
505.48	16.46	0.159	1,806.929	0.00	16.46	246.79
505.49	16.47	0.159	1,808.464	0.00	16.47	247.40
505.50	16.47	0.159	1,810.000	0.00	16.47	248.01

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	500.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	1.000 min

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.00	0.00	0.000	0.000	0.00	0.00	0.00
500.01	0.00	0.000	0.111	0.00	0.00	0.00
500.02	0.00	0.000	0.444	0.00	0.00	0.00
500.03	0.00	0.000	0.999	0.00	0.00	0.00
500.04	0.00	0.000	1.776	0.00	0.00	0.00
500.05	0.00	0.000	2.775	0.00	0.00	0.01
500.06	0.01	0.000	3.996	0.00	0.01	0.01
500.07	0.01	0.000	5.439	0.00	0.01	0.01
500.08	0.01	0.000	7.104	0.00	0.01	0.02
500.09	0.01	0.000	8.991	0.00	0.01	0.02
500.10	0.02	0.000	11.100	0.00	0.02	0.03
500.11	0.02	0.000	13.431	0.00	0.02	0.04
500.12	0.02	0.000	15.984	0.00	0.02	0.04
500.13	0.03	0.000	18.759	0.00	0.03	0.06
500.14	0.03	0.000	21.756	0.00	0.03	0.07
500.15	0.04	0.000	24.975	0.00	0.04	0.08
500.16	0.04	0.000	28.416	0.00	0.04	0.09
500.17	0.05	0.000	32.079	0.00	0.05	0.11
500.18	0.05	0.000	35.964	0.00	0.05	0.12
500.19	0.06	0.000	40.071	0.00	0.06	0.14
500.20	0.06	0.000	44.400	0.00	0.06	0.16
500.21	0.07	0.000	48.951	0.00	0.07	0.18
500.22	0.07	0.000	53.724	0.00	0.07	0.21
500.23	0.08	0.000	58.719	0.00	0.08	0.23
500.24	0.09	0.000	63.936	0.00	0.09	0.26
500.25	0.09	0.000	69.375	0.00	0.09	0.28
500.26	0.10	0.000	75.036	0.00	0.10	0.31
500.27	0.10	0.000	80.919	0.00	0.10	0.35
500.28	0.11	0.000	87.024	0.00	0.11	0.38
500.29	0.12	0.000	93.351	0.00	0.12	0.42

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.30	0.13	0.000	99.900	0.00	0.13	0.46
500.31	0.13	0.000	106.671	0.00	0.13	0.50
500.32	0.13	0.000	113.664	0.00	0.13	0.54
500.33	0.14	0.000	120.879	0.00	0.14	0.58
500.34	0.14	0.000	128.316	0.00	0.14	0.63
500.35	0.15	0.000	135.975	0.00	0.15	0.67
500.36	0.15	0.000	143.856	0.00	0.15	0.72
500.37	0.15	0.000	151.959	0.00	0.15	0.78
500.38	0.16	0.000	160.284	0.00	0.16	0.83
500.39	0.16	0.001	168.831	0.00	0.16	0.89
500.40	0.16	0.001	177.600	0.00	0.16	0.95
500.41	0.16	0.001	186.591	0.00	0.16	1.01
500.42	0.17	0.001	195.804	0.00	0.17	1.08
500.43	0.17	0.001	205.239	0.00	0.17	1.15
500.44	0.17	0.001	214.896	0.00	0.17	1.23
500.45	0.18	0.001	224.775	0.00	0.18	1.30
500.46	0.18	0.001	234.876	0.00	0.18	1.38
500.47	0.18	0.001	245.199	0.00	0.18	1.46
500.48	0.19	0.001	255.744	0.00	0.19	1.55
500.49	0.19	0.001	266.511	0.00	0.19	1.64
500.50	0.19	0.001	277.500	0.00	0.19	1.73
500.51	0.19	0.001	288.711	0.00	0.19	1.83
500.52	0.20	0.001	300.144	0.00	0.20	1.93
500.53	0.20	0.001	311.799	0.00	0.20	2.04
500.54	0.20	0.001	323.676	0.00	0.20	2.14
500.55	0.21	0.001	335.775	0.00	0.21	2.26
500.56	0.21	0.001	348.096	0.00	0.21	2.37
500.57	0.21	0.002	360.639	0.00	0.21	2.49
500.58	0.21	0.002	373.404	0.00	0.21	2.62
500.59	0.21	0.002	386.391	0.00	0.21	2.75
500.60	0.22	0.002	399.600	0.00	0.22	2.88
500.61	0.22	0.002	413.031	0.00	0.22	3.02
500.62	0.22	0.002	426.684	0.00	0.22	3.16
500.63	0.22	0.002	440.559	0.00	0.22	3.31
500.64	0.23	0.002	454.656	0.00	0.23	3.46
500.65	0.23	0.002	468.975	0.00	0.23	3.62
500.66	0.23	0.002	483.516	0.00	0.23	3.78
500.67	0.23	0.003	498.279	0.00	0.23	3.94
500.68	0.23	0.003	513.264	0.00	0.23	4.11
500.69	0.24	0.003	528.471	0.00	0.24	4.29
500.70	0.24	0.003	543.900	0.00	0.24	4.47
500.71	0.24	0.003	559.551	0.00	0.24	4.66
500.72	0.24	0.003	575.424	0.00	0.24	4.85
500.73	0.25	0.003	591.519	0.00	0.25	5.04
500.74	0.25	0.003	607.836	0.00	0.25	5.25

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.75	0.25	0.004	624.375	0.00	0.25	5.45
500.76	0.25	0.004	641.136	0.00	0.25	5.66
500.77	0.25	0.004	658.119	0.00	0.25	5.89
500.78	0.26	0.004	675.324	0.00	0.26	6.11
500.79	0.26	0.004	692.751	0.00	0.26	6.34
500.80	0.26	0.004	710.400	0.00	0.26	6.58
500.81	0.26	0.005	728.271	0.00	0.26	6.82
500.82	0.26	0.005	746.364	0.00	0.26	7.06
500.83	0.27	0.005	764.679	0.00	0.27	7.32
500.84	0.27	0.005	783.216	0.00	0.27	7.58
500.85	0.27	0.005	801.975	0.00	0.27	7.84
500.86	0.27	0.005	820.956	0.00	0.27	8.12
500.87	0.27	0.006	840.159	0.00	0.27	8.40
500.88	0.28	0.006	859.584	0.00	0.28	8.68
500.89	0.28	0.006	879.231	0.00	0.28	8.97
500.90	0.28	0.006	899.100	0.00	0.28	9.27
500.91	0.28	0.006	919.191	0.00	0.28	9.57
500.92	0.28	0.007	939.504	0.00	0.28	9.89
500.93	0.28	0.007	960.039	0.00	0.28	10.20
500.94	0.29	0.007	980.796	0.00	0.29	10.53
500.95	0.29	0.007	1,001.775	0.00	0.29	10.86
500.96	0.29	0.008	1,022.976	0.00	0.29	11.20
500.97	0.29	0.008	1,044.399	0.00	0.29	11.55
500.98	0.29	0.008	1,066.044	0.00	0.29	11.90
500.99	0.29	0.008	1,087.911	0.00	0.29	12.26
501.00	0.30	0.008	1,110.000	0.00	0.30	12.63
501.01	0.30	0.009	1,111.509	0.00	0.30	13.00
501.02	0.30	0.009	1,113.020	0.00	0.30	13.37
501.03	0.30	0.009	1,114.531	0.00	0.30	13.75
501.04	0.30	0.010	1,116.043	0.00	0.30	14.12
501.05	0.31	0.010	1,117.556	0.00	0.31	14.49
501.06	0.31	0.010	1,119.071	0.00	0.31	14.87
501.07	0.31	0.010	1,120.586	0.00	0.31	15.24
501.08	0.31	0.011	1,122.103	0.00	0.31	15.62
501.09	0.31	0.011	1,123.620	0.00	0.31	16.00
501.10	0.31	0.011	1,125.139	0.00	0.31	16.37
501.11	0.32	0.011	1,126.658	0.00	0.32	16.75
501.12	0.32	0.012	1,128.179	0.00	0.32	17.13
501.13	0.32	0.012	1,129.700	0.00	0.32	17.50
501.14	0.32	0.012	1,131.223	0.00	0.32	17.88
501.15	0.32	0.012	1,132.746	0.00	0.32	18.26
501.16	0.32	0.013	1,134.271	0.00	0.32	18.64
501.17	0.33	0.013	1,135.797	0.00	0.33	19.02
501.18	0.33	0.013	1,137.323	0.00	0.33	19.40
501.19	0.33	0.013	1,138.851	0.00	0.33	19.78

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
501.20	0.33	0.014	1,140.380	0.00	0.33	20.16
501.21	0.33	0.014	1,141.909	0.00	0.33	20.55
501.22	0.33	0.014	1,143.440	0.00	0.33	20.93
501.23	0.33	0.014	1,144.972	0.00	0.33	21.31
501.24	0.34	0.015	1,146.505	0.00	0.34	21.70
501.25	0.34	0.015	1,148.039	0.00	0.34	22.08
501.26	0.34	0.015	1,149.574	0.00	0.34	22.46
501.27	0.34	0.016	1,151.110	0.00	0.34	22.85
501.28	0.34	0.016	1,152.646	0.00	0.34	23.23
501.29	0.34	0.016	1,154.184	0.00	0.34	23.62
501.30	0.35	0.016	1,155.723	0.00	0.35	24.01
501.31	0.35	0.017	1,157.263	0.00	0.35	24.39
501.32	0.35	0.017	1,158.804	0.00	0.35	24.78
501.33	0.35	0.017	1,160.346	0.00	0.35	25.17
501.34	0.35	0.017	1,161.890	0.00	0.35	25.56
501.35	0.35	0.018	1,163.434	0.00	0.35	25.95
501.36	0.35	0.018	1,164.979	0.00	0.35	26.34
501.37	0.36	0.018	1,166.525	0.00	0.36	26.73
501.38	0.36	0.018	1,168.072	0.00	0.36	27.12
501.39	0.36	0.019	1,169.620	0.00	0.36	27.51
501.40	0.36	0.019	1,171.170	0.00	0.36	27.90
501.41	0.36	0.019	1,172.720	0.00	0.36	28.29
501.42	0.36	0.020	1,174.271	0.00	0.36	28.68
501.43	0.36	0.020	1,175.823	0.00	0.36	29.08
501.44	0.37	0.020	1,177.377	0.00	0.37	29.47
501.45	0.37	0.020	1,178.931	0.00	0.37	29.86
501.46	0.37	0.021	1,180.487	0.00	0.37	30.26
501.47	0.37	0.021	1,182.043	0.00	0.37	30.65
501.48	0.37	0.021	1,183.600	0.00	0.37	31.05
501.49	0.37	0.021	1,185.159	0.00	0.37	31.45
501.50	0.37	0.022	1,186.718	0.00	0.37	31.84
501.51	0.37	0.022	1,188.279	0.00	0.37	32.24
501.52	0.38	0.022	1,189.840	0.00	0.38	32.64
501.53	0.38	0.022	1,191.403	0.00	0.38	33.04
501.54	0.38	0.023	1,192.967	0.00	0.38	33.44
501.55	0.38	0.023	1,194.531	0.00	0.38	33.83
501.56	0.38	0.023	1,196.097	0.00	0.38	34.23
501.57	0.38	0.024	1,197.663	0.00	0.38	34.63
501.58	0.39	0.024	1,199.231	0.00	0.39	35.04
501.59	0.39	0.024	1,200.800	0.00	0.39	35.44
501.60	0.39	0.024	1,202.370	0.00	0.39	35.84
501.61	0.39	0.025	1,203.940	0.00	0.39	36.24
501.62	0.39	0.025	1,205.512	0.00	0.39	36.64
501.63	0.39	0.025	1,207.085	0.00	0.39	37.05
501.64	0.39	0.026	1,208.659	0.00	0.39	37.45

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
501.65	0.39	0.026	1,210.234	0.00	0.39	37.86
501.66	0.40	0.026	1,211.810	0.00	0.40	38.26
501.67	0.40	0.026	1,213.386	0.00	0.40	38.67
501.68	0.40	0.027	1,214.964	0.00	0.40	39.07
501.69	0.40	0.027	1,216.543	0.00	0.40	39.48
501.70	0.40	0.027	1,218.123	0.00	0.40	39.89
501.71	0.40	0.027	1,219.704	0.00	0.40	40.29
501.72	0.40	0.028	1,221.286	0.00	0.40	40.70
501.73	0.40	0.028	1,222.870	0.00	0.40	41.11
501.74	0.41	0.028	1,224.454	0.00	0.41	41.52
501.75	0.41	0.029	1,226.039	0.00	0.41	41.93
501.76	0.41	0.029	1,227.625	0.00	0.41	42.34
501.77	0.41	0.029	1,229.212	0.00	0.41	42.75
501.78	0.41	0.029	1,230.800	0.00	0.41	43.16
501.79	0.41	0.030	1,232.389	0.00	0.41	43.57
501.80	0.41	0.030	1,233.980	0.00	0.41	43.99
501.81	0.41	0.030	1,235.571	0.00	0.41	44.40
501.82	0.41	0.031	1,237.163	0.00	0.41	44.81
501.83	0.42	0.031	1,238.757	0.00	0.42	45.23
501.84	0.42	0.031	1,240.351	0.00	0.42	45.64
501.85	0.42	0.031	1,241.946	0.00	0.42	46.05
501.86	0.42	0.032	1,243.543	0.00	0.42	46.47
501.87	0.42	0.032	1,245.140	0.00	0.42	46.89
501.88	0.42	0.032	1,246.739	0.00	0.42	47.30
501.89	0.42	0.033	1,248.338	0.00	0.42	47.72
501.90	0.42	0.033	1,249.939	0.00	0.42	48.14
501.91	0.43	0.033	1,251.540	0.00	0.43	48.56
501.92	0.43	0.033	1,253.143	0.00	0.43	48.97
501.93	0.43	0.034	1,254.746	0.00	0.43	49.39
501.94	0.43	0.034	1,256.351	0.00	0.43	49.81
501.95	0.43	0.034	1,257.956	0.00	0.43	50.23
501.96	0.43	0.035	1,259.563	0.00	0.43	50.65
501.97	0.43	0.035	1,261.171	0.00	0.43	51.07
501.98	0.44	0.035	1,262.780	0.00	0.44	51.50
501.99	0.44	0.035	1,264.389	0.00	0.44	51.92
502.00	0.44	0.036	1,266.000	0.00	0.44	52.34
502.01	0.44	0.036	1,267.543	0.00	0.44	52.77
502.02	0.44	0.036	1,269.088	0.00	0.44	53.19
502.03	0.44	0.037	1,270.633	0.00	0.44	53.61
502.04	0.44	0.037	1,272.179	0.00	0.44	54.04
502.05	0.44	0.037	1,273.727	0.00	0.44	54.47
502.06	0.44	0.037	1,275.275	0.00	0.44	54.89
502.07	0.45	0.038	1,276.824	0.00	0.45	55.32
502.08	0.45	0.038	1,278.374	0.00	0.45	55.74
502.09	0.45	0.038	1,279.925	0.00	0.45	56.17

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
502.10	0.45	0.039	1,281.477	0.00	0.45	56.60
502.11	0.45	0.039	1,283.030	0.00	0.45	57.03
502.12	0.45	0.039	1,284.584	0.00	0.45	57.46
502.13	0.45	0.040	1,286.138	0.00	0.45	57.89
502.14	0.45	0.040	1,287.694	0.00	0.45	58.32
502.15	0.46	0.040	1,289.251	0.00	0.46	58.75
502.16	0.46	0.040	1,290.808	0.00	0.46	59.18
502.17	0.46	0.041	1,292.367	0.00	0.46	59.61
502.18	0.46	0.041	1,293.926	0.00	0.46	60.04
502.19	0.46	0.041	1,295.486	0.00	0.46	60.48
502.20	0.46	0.042	1,297.048	0.00	0.46	60.91
502.21	0.46	0.042	1,298.610	0.00	0.46	61.34
502.22	0.46	0.042	1,300.173	0.00	0.46	61.78
502.23	0.46	0.043	1,301.737	0.00	0.46	62.21
502.24	0.47	0.043	1,303.302	0.00	0.47	62.65
502.25	0.47	0.043	1,304.868	0.00	0.47	63.08
502.26	0.47	0.043	1,306.435	0.00	0.47	63.52
502.27	0.47	0.044	1,308.003	0.00	0.47	63.95
502.28	0.47	0.044	1,309.572	0.00	0.47	64.39
502.29	0.47	0.044	1,311.142	0.00	0.47	64.83
502.30	0.47	0.045	1,312.713	0.00	0.47	65.27
502.31	0.47	0.045	1,314.284	0.00	0.47	65.71
502.32	0.47	0.045	1,315.857	0.00	0.47	66.15
502.33	0.47	0.046	1,317.431	0.00	0.47	66.59
502.34	0.48	0.046	1,319.005	0.00	0.48	67.03
502.35	0.48	0.046	1,320.580	0.00	0.48	67.47
502.36	0.48	0.046	1,322.157	0.00	0.48	67.91
502.37	0.48	0.047	1,323.734	0.00	0.48	68.35
502.38	0.48	0.047	1,325.312	0.00	0.48	68.80
502.39	0.48	0.047	1,326.892	0.00	0.48	69.24
502.40	0.48	0.048	1,328.472	0.00	0.48	69.68
502.41	0.48	0.048	1,330.053	0.00	0.48	70.13
502.42	0.48	0.048	1,331.635	0.00	0.48	70.57
502.43	0.49	0.049	1,333.218	0.00	0.49	71.02
502.44	0.49	0.049	1,334.802	0.00	0.49	71.46
502.45	0.49	0.049	1,336.386	0.00	0.49	71.91
502.46	0.49	0.049	1,337.972	0.00	0.49	72.36
502.47	0.49	0.050	1,339.559	0.00	0.49	72.80
502.48	0.49	0.050	1,341.147	0.00	0.49	73.25
502.49	0.49	0.050	1,342.735	0.00	0.49	73.70
502.50	0.49	0.051	1,344.325	0.00	0.49	74.15
502.51	0.50	0.051	1,345.915	0.00	0.50	74.60
502.52	0.49	0.051	1,347.507	0.00	0.49	75.05
502.53	0.50	0.052	1,349.099	0.00	0.50	75.50
502.54	0.50	0.052	1,350.692	0.00	0.50	75.95

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
502.55	0.50	0.052	1,352.286	0.00	0.50	76.40
502.56	0.50	0.053	1,353.882	0.00	0.50	76.85
502.57	0.50	0.053	1,355.478	0.00	0.50	77.30
502.58	0.50	0.053	1,357.075	0.00	0.50	77.76
502.59	0.50	0.054	1,358.673	0.00	0.50	78.21
502.60	0.50	0.054	1,360.272	0.00	0.50	78.67
502.61	0.50	0.054	1,361.872	0.00	0.50	79.12
502.62	0.51	0.054	1,363.472	0.00	0.51	79.58
502.63	0.50	0.055	1,365.074	0.00	0.50	80.03
502.64	0.51	0.055	1,366.677	0.00	0.51	80.49
502.65	0.51	0.055	1,368.280	0.00	0.51	80.94
502.66	0.51	0.056	1,369.885	0.00	0.51	81.40
502.67	0.51	0.056	1,371.491	0.00	0.51	81.86
502.68	0.51	0.056	1,373.097	0.00	0.51	82.32
502.69	0.51	0.057	1,374.704	0.00	0.51	82.78
502.70	0.51	0.057	1,376.313	0.00	0.51	83.24
502.71	0.51	0.057	1,377.922	0.00	0.51	83.70
502.72	0.51	0.058	1,379.532	0.00	0.51	84.16
502.73	0.52	0.058	1,381.143	0.00	0.52	84.62
502.74	0.52	0.058	1,382.755	0.00	0.52	85.08
502.75	0.52	0.059	1,384.368	0.00	0.52	85.54
502.76	0.52	0.059	1,385.982	0.00	0.52	86.00
502.77	0.52	0.059	1,387.597	0.00	0.52	86.47
502.78	0.52	0.060	1,389.213	0.00	0.52	86.93
502.79	0.52	0.060	1,390.830	0.00	0.52	87.40
502.80	0.52	0.060	1,392.448	0.00	0.52	87.86
502.81	0.52	0.060	1,394.066	0.00	0.52	88.33
502.82	0.52	0.061	1,395.686	0.00	0.52	88.79
502.83	0.52	0.061	1,397.307	0.00	0.52	89.26
502.84	0.53	0.061	1,398.928	0.00	0.53	89.73
502.85	0.53	0.062	1,400.551	0.00	0.53	90.19
502.86	0.53	0.062	1,402.174	0.00	0.53	90.66
502.87	0.53	0.062	1,403.798	0.00	0.53	91.13
502.88	0.53	0.063	1,405.424	0.00	0.53	91.60
502.89	0.53	0.063	1,407.050	0.00	0.53	92.07
502.90	0.53	0.063	1,408.677	0.00	0.53	92.54
502.91	0.54	0.064	1,410.305	0.00	0.54	93.01
502.92	0.54	0.064	1,411.934	0.00	0.54	93.48
502.93	0.54	0.064	1,413.564	0.00	0.54	93.95
502.94	0.54	0.065	1,415.195	0.00	0.54	94.43
502.95	0.54	0.065	1,416.827	0.00	0.54	94.90
502.96	0.54	0.065	1,418.459	0.00	0.54	95.37
502.97	0.54	0.066	1,420.093	0.00	0.54	95.85
502.98	0.54	0.066	1,421.728	0.00	0.54	96.32
502.99	0.54	0.066	1,423.363	0.00	0.54	96.79

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
503.00	0.54	0.067	1,425.000	0.00	0.54	97.27
503.01	0.54	0.067	1,426.510	0.00	0.54	97.75
503.02	0.55	0.067	1,428.022	0.00	0.55	98.23
503.03	0.55	0.068	1,429.534	0.00	0.55	98.71
503.04	0.55	0.068	1,431.046	0.00	0.55	99.18
503.05	0.56	0.068	1,432.560	0.00	0.56	99.67
503.06	0.56	0.069	1,434.074	0.00	0.56	100.15
503.07	0.56	0.069	1,435.590	0.00	0.56	100.63
503.08	0.57	0.069	1,437.106	0.00	0.57	101.11
503.09	0.57	0.070	1,438.622	0.00	0.57	101.60
503.10	0.58	0.070	1,440.140	0.00	0.58	102.08
503.11	0.58	0.070	1,441.658	0.00	0.58	102.56
503.12	0.58	0.071	1,443.178	0.00	0.58	103.05
503.13	0.59	0.071	1,444.698	0.00	0.59	103.54
503.14	0.59	0.071	1,446.218	0.00	0.59	104.02
503.15	0.60	0.072	1,447.740	0.00	0.60	104.51
503.16	0.61	0.072	1,449.262	0.00	0.61	105.00
503.17	0.61	0.072	1,450.786	0.00	0.61	105.49
503.18	0.62	0.073	1,452.310	0.00	0.62	105.98
503.19	0.62	0.073	1,453.834	0.00	0.62	106.47
503.20	0.63	0.073	1,455.360	0.00	0.63	106.96
503.21	0.64	0.074	1,456.886	0.00	0.64	107.45
503.22	0.64	0.074	1,458.414	0.00	0.64	107.94
503.23	0.65	0.074	1,459.942	0.00	0.65	108.44
503.24	0.65	0.075	1,461.470	0.00	0.65	108.93
503.25	0.66	0.075	1,463.000	0.00	0.66	109.42
503.26	0.66	0.075	1,464.530	0.00	0.66	109.91
503.27	0.67	0.076	1,466.062	0.00	0.67	110.41
503.28	0.68	0.076	1,467.594	0.00	0.68	110.91
503.29	0.69	0.076	1,469.126	0.00	0.69	111.40
503.30	0.69	0.077	1,470.660	0.00	0.69	111.90
503.31	0.70	0.077	1,472.194	0.00	0.70	112.40
503.32	0.71	0.077	1,473.730	0.00	0.71	112.90
503.33	0.73	0.078	1,475.266	0.00	0.73	113.41
503.34	0.74	0.078	1,476.802	0.00	0.74	113.91
503.35	0.75	0.078	1,478.340	0.00	0.75	114.41
503.36	0.75	0.079	1,479.878	0.00	0.75	114.91
503.37	0.76	0.079	1,481.418	0.00	0.76	115.41
503.38	0.76	0.079	1,482.958	0.00	0.76	115.91
503.39	0.77	0.080	1,484.498	0.00	0.77	116.41
503.40	0.77	0.080	1,486.040	0.00	0.77	116.91
503.41	0.78	0.080	1,487.582	0.00	0.78	117.40
503.42	0.78	0.081	1,489.126	0.00	0.78	117.91
503.43	0.78	0.081	1,490.670	0.00	0.78	118.41
503.44	0.79	0.081	1,492.214	0.00	0.79	118.91

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
503.45	0.79	0.082	1,493.760	0.00	0.79	119.41
503.46	0.80	0.082	1,495.306	0.00	0.80	119.92
503.47	0.81	0.082	1,496.854	0.00	0.81	120.42
503.48	0.81	0.083	1,498.402	0.00	0.81	120.92
503.49	0.81	0.083	1,499.950	0.00	0.81	121.43
503.50	0.82	0.083	1,501.500	0.00	0.82	121.93
503.51	0.82	0.084	1,503.050	0.00	0.82	122.44
503.52	0.83	0.084	1,504.602	0.00	0.83	122.94
503.53	0.83	0.084	1,506.154	0.00	0.83	123.45
503.54	0.84	0.085	1,507.706	0.00	0.84	123.96
503.55	0.84	0.085	1,509.260	0.00	0.84	124.46
503.56	0.84	0.085	1,510.814	0.00	0.84	124.97
503.57	0.85	0.086	1,512.370	0.00	0.85	125.48
503.58	0.85	0.086	1,513.926	0.00	0.85	125.99
503.59	0.86	0.087	1,515.482	0.00	0.86	126.49
503.60	0.86	0.087	1,517.040	0.00	0.86	127.00
503.61	0.86	0.087	1,518.598	0.00	0.86	127.51
503.62	0.87	0.088	1,520.158	0.00	0.87	128.02
503.63	0.87	0.088	1,521.718	0.00	0.87	128.54
503.64	0.87	0.088	1,523.278	0.00	0.87	129.05
503.65	0.88	0.089	1,524.840	0.00	0.88	129.56
503.66	0.88	0.089	1,526.402	0.00	0.88	130.07
503.67	0.89	0.089	1,527.966	0.00	0.89	130.58
503.68	0.89	0.090	1,529.530	0.00	0.89	131.09
503.69	0.89	0.090	1,531.094	0.00	0.89	131.61
503.70	0.90	0.090	1,532.660	0.00	0.90	132.12
503.71	0.90	0.091	1,534.226	0.00	0.90	132.64
503.72	0.90	0.091	1,535.794	0.00	0.90	133.15
503.73	0.90	0.091	1,537.362	0.00	0.90	133.67
503.74	0.91	0.092	1,538.930	0.00	0.91	134.18
503.75	0.92	0.092	1,540.500	0.00	0.92	134.70
503.76	0.92	0.092	1,542.070	0.00	0.92	135.22
503.77	0.92	0.093	1,543.642	0.00	0.92	135.74
503.78	0.92	0.093	1,545.214	0.00	0.92	136.26
503.79	0.93	0.094	1,546.786	0.00	0.93	136.77
503.80	0.93	0.094	1,548.360	0.00	0.93	137.29
503.81	0.94	0.094	1,549.934	0.00	0.94	137.81
503.82	0.94	0.095	1,551.510	0.00	0.94	138.33
503.83	0.94	0.095	1,553.086	0.00	0.94	138.85
503.84	0.95	0.095	1,554.662	0.00	0.95	139.38
503.85	0.95	0.096	1,556.240	0.00	0.95	139.90
503.86	0.95	0.096	1,557.818	0.00	0.95	140.42
503.87	0.95	0.096	1,559.398	0.00	0.95	140.94
503.88	0.96	0.097	1,560.978	0.00	0.96	141.47
503.89	0.96	0.097	1,562.558	0.00	0.96	141.99

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
503.90	0.96	0.097	1,564.140	0.00	0.96	142.51
503.91	0.97	0.098	1,565.722	0.00	0.97	143.04
503.92	0.97	0.098	1,567.306	0.00	0.97	143.56
503.93	0.97	0.099	1,568.890	0.00	0.97	144.09
503.94	0.98	0.099	1,570.474	0.00	0.98	144.61
503.95	0.98	0.099	1,572.060	0.00	0.98	145.14
503.96	0.98	0.100	1,573.646	0.00	0.98	145.67
503.97	0.98	0.100	1,575.234	0.00	0.98	146.20
503.98	0.99	0.100	1,576.822	0.00	0.99	146.73
503.99	0.99	0.101	1,578.410	0.00	0.99	147.26
504.00	1.00	0.101	1,580.000	0.00	1.00	147.79
504.01	1.00	0.101	1,581.505	0.00	1.00	148.31
504.02	1.00	0.102	1,583.010	0.00	1.00	148.85
504.03	1.00	0.102	1,584.516	0.00	1.00	149.37
504.04	1.01	0.103	1,586.023	0.00	1.01	149.91
504.05	1.01	0.103	1,587.530	0.00	1.01	150.44
504.06	1.01	0.103	1,589.038	0.00	1.01	150.97
504.07	1.01	0.104	1,590.547	0.00	1.01	151.50
504.08	1.02	0.104	1,592.057	0.00	1.02	152.04
504.09	1.02	0.104	1,593.567	0.00	1.02	152.57
504.10	1.02	0.105	1,595.078	0.00	1.02	153.11
504.11	1.03	0.105	1,596.590	0.00	1.03	153.64
504.12	1.03	0.105	1,598.102	0.00	1.03	154.18
504.13	1.03	0.106	1,599.615	0.00	1.03	154.71
504.14	1.04	0.106	1,601.129	0.00	1.04	155.25
504.15	1.04	0.107	1,602.644	0.00	1.04	155.79
504.16	1.04	0.107	1,604.159	0.00	1.04	156.32
504.17	1.04	0.107	1,605.675	0.00	1.04	156.86
504.18	1.05	0.108	1,607.192	0.00	1.05	157.40
504.19	1.05	0.108	1,608.709	0.00	1.05	157.94
504.20	1.05	0.108	1,610.227	0.00	1.05	158.48
504.21	1.09	0.109	1,611.746	0.00	1.09	159.05
504.22	1.15	0.109	1,613.266	0.00	1.15	159.65
504.23	1.23	0.110	1,614.786	0.00	1.23	160.27
504.24	1.33	0.110	1,616.307	0.00	1.33	160.90
504.25	1.44	0.110	1,617.829	0.00	1.44	161.55
504.26	1.55	0.111	1,619.351	0.00	1.55	162.21
504.27	1.68	0.111	1,620.874	0.00	1.68	162.88
504.28	1.82	0.111	1,622.398	0.00	1.82	163.56
504.29	1.97	0.112	1,623.923	0.00	1.97	164.24
504.30	2.12	0.112	1,625.448	0.00	2.12	164.94
504.31	2.29	0.113	1,626.974	0.00	2.29	165.64
504.32	2.46	0.113	1,628.501	0.00	2.46	166.36
504.33	2.63	0.113	1,630.028	0.00	2.63	167.08
504.34	2.82	0.114	1,631.557	0.00	2.82	167.81

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
504.35	3.01	0.114	1,633.086	0.00	3.01	168.54
504.36	3.21	0.114	1,634.615	0.00	3.21	169.28
504.37	3.41	0.115	1,636.145	0.00	3.41	170.03
504.38	3.62	0.115	1,637.677	0.00	3.62	170.79
504.39	3.84	0.116	1,639.208	0.00	3.84	171.55
504.40	4.06	0.116	1,640.741	0.00	4.06	172.32
504.41	4.29	0.116	1,642.274	0.00	4.29	173.09
504.42	4.52	0.117	1,643.808	0.00	4.52	173.87
504.43	4.75	0.117	1,645.343	0.00	4.75	174.66
504.44	4.99	0.117	1,646.878	0.00	4.99	175.45
504.45	5.24	0.118	1,648.414	0.00	5.24	176.24
504.46	5.50	0.118	1,649.951	0.00	5.50	177.05
504.47	5.75	0.119	1,651.488	0.00	5.75	177.85
504.48	6.01	0.119	1,653.026	0.00	6.01	178.67
504.49	6.28	0.119	1,654.565	0.00	6.28	179.48
504.50	6.55	0.120	1,656.105	0.00	6.55	180.31
504.51	6.83	0.120	1,657.645	0.00	6.83	181.13
504.52	7.11	0.120	1,659.186	0.00	7.11	181.97
504.53	7.39	0.121	1,660.728	0.00	7.39	182.81
504.54	7.68	0.121	1,662.271	0.00	7.68	183.65
504.55	7.98	0.122	1,663.814	0.00	7.98	184.50
504.56	8.27	0.122	1,665.358	0.00	8.27	185.35
504.57	8.57	0.122	1,666.903	0.00	8.57	186.21
504.58	8.88	0.123	1,668.448	0.00	8.88	187.07
504.59	9.19	0.123	1,669.994	0.00	9.19	187.93
504.60	9.50	0.123	1,671.541	0.00	9.50	188.80
504.61	9.82	0.124	1,673.088	0.00	9.82	189.68
504.62	10.14	0.124	1,674.637	0.00	10.14	190.56
504.63	10.47	0.125	1,676.185	0.00	10.47	191.44
504.64	10.79	0.125	1,677.735	0.00	10.79	192.33
504.65	11.13	0.125	1,679.286	0.00	11.13	193.22
504.66	11.46	0.126	1,680.837	0.00	11.46	194.12
504.67	11.80	0.126	1,682.388	0.00	11.80	195.02
504.68	12.15	0.127	1,683.941	0.00	12.15	195.92
504.69	12.49	0.127	1,685.494	0.00	12.49	196.83
504.70	12.84	0.127	1,687.048	0.00	12.84	197.74
504.71	13.17	0.128	1,688.603	0.00	13.17	198.63
504.72	13.48	0.128	1,690.158	0.00	13.48	199.51
504.73	13.81	0.129	1,691.714	0.00	13.81	200.39
504.74	14.13	0.129	1,693.271	0.00	14.13	201.28
504.75	14.45	0.129	1,694.829	0.00	14.45	202.17
504.76	14.77	0.130	1,696.387	0.00	14.77	203.05
504.77	15.09	0.130	1,697.946	0.00	15.09	203.94
504.78	15.33	0.130	1,699.506	0.00	15.33	204.75
504.79	15.58	0.131	1,701.066	0.00	15.58	205.56

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
504.80	15.80	0.131	1,702.627	0.00	15.80	206.35
504.81	15.97	0.132	1,704.189	0.00	15.97	207.09
504.82	16.07	0.132	1,705.752	0.00	16.07	207.75
504.83	16.07	0.132	1,707.315	0.00	16.07	208.33
504.84	16.08	0.133	1,708.879	0.00	16.08	208.90
504.85	16.08	0.133	1,710.444	0.00	16.08	209.48
504.86	16.09	0.134	1,712.009	0.00	16.09	210.05
504.87	16.10	0.134	1,713.575	0.00	16.10	210.63
504.88	16.10	0.134	1,715.142	0.00	16.10	211.21
504.89	16.11	0.135	1,716.710	0.00	16.11	211.79
504.90	16.11	0.135	1,718.278	0.00	16.11	212.36
504.91	16.12	0.136	1,719.847	0.00	16.12	212.94
504.92	16.13	0.136	1,721.417	0.00	16.13	213.52
504.93	16.13	0.136	1,722.987	0.00	16.13	214.10
504.94	16.14	0.137	1,724.558	0.00	16.14	214.68
504.95	16.14	0.137	1,726.130	0.00	16.14	215.26
504.96	16.15	0.138	1,727.703	0.00	16.15	215.85
504.97	16.16	0.138	1,729.276	0.00	16.16	216.43
504.98	16.16	0.138	1,730.850	0.00	16.16	217.01
504.99	16.17	0.139	1,732.425	0.00	16.17	217.59
505.00	16.18	0.139	1,734.000	0.00	16.18	218.18
505.01	16.18	0.140	1,735.504	0.00	16.18	218.76
505.02	16.19	0.140	1,737.009	0.00	16.19	219.35
505.03	16.19	0.140	1,738.514	0.00	16.19	219.93
505.04	16.20	0.141	1,740.020	0.00	16.20	220.52
505.05	16.21	0.141	1,741.527	0.00	16.21	221.10
505.06	16.21	0.142	1,743.034	0.00	16.21	221.69
505.07	16.22	0.142	1,744.542	0.00	16.22	222.28
505.08	16.22	0.142	1,746.050	0.00	16.22	222.87
505.09	16.23	0.143	1,747.560	0.00	16.23	223.45
505.10	16.23	0.143	1,749.070	0.00	16.23	224.04
505.11	16.24	0.144	1,750.580	0.00	16.24	224.63
505.12	16.25	0.144	1,752.091	0.00	16.25	225.22
505.13	16.25	0.144	1,753.603	0.00	16.25	225.81
505.14	16.26	0.145	1,755.116	0.00	16.26	226.40
505.15	16.26	0.145	1,756.629	0.00	16.26	226.99
505.16	16.27	0.146	1,758.143	0.00	16.27	227.59
505.17	16.28	0.146	1,759.657	0.00	16.28	228.18
505.18	16.28	0.146	1,761.172	0.00	16.28	228.77
505.19	16.29	0.147	1,762.688	0.00	16.29	229.36
505.20	16.29	0.147	1,764.204	0.00	16.29	229.96
505.21	16.30	0.148	1,765.721	0.00	16.30	230.55
505.22	16.31	0.148	1,767.239	0.00	16.31	231.15
505.23	16.31	0.148	1,768.758	0.00	16.31	231.74
505.24	16.32	0.149	1,770.277	0.00	16.32	232.34

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post-Development 25 year

Return Event: 25 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
505.25	16.32	0.149	1,771.796	0.00	16.32	232.93
505.26	16.33	0.150	1,773.317	0.00	16.33	233.53
505.27	16.34	0.150	1,774.838	0.00	16.34	234.13
505.28	16.34	0.150	1,776.359	0.00	16.34	234.73
505.29	16.35	0.151	1,777.881	0.00	16.35	235.33
505.30	16.35	0.151	1,779.404	0.00	16.35	235.92
505.31	16.36	0.152	1,780.928	0.00	16.36	236.52
505.32	16.37	0.152	1,782.452	0.00	16.37	237.12
505.33	16.37	0.152	1,783.977	0.00	16.37	237.72
505.34	16.38	0.153	1,785.503	0.00	16.38	238.32
505.35	16.38	0.153	1,787.029	0.00	16.38	238.93
505.36	16.39	0.154	1,788.556	0.00	16.39	239.53
505.37	16.40	0.154	1,790.083	0.00	16.40	240.13
505.38	16.40	0.154	1,791.611	0.00	16.40	240.73
505.39	16.41	0.155	1,793.140	0.00	16.41	241.34
505.40	16.41	0.155	1,794.670	0.00	16.41	241.94
505.41	16.42	0.156	1,796.200	0.00	16.42	242.54
505.42	16.43	0.156	1,797.730	0.00	16.43	243.15
505.43	16.43	0.157	1,799.262	0.00	16.43	243.76
505.44	16.44	0.157	1,800.794	0.00	16.44	244.36
505.45	16.44	0.157	1,802.327	0.00	16.44	244.97
505.46	16.45	0.158	1,803.860	0.00	16.45	245.57
505.47	16.46	0.158	1,805.394	0.00	16.46	246.18
505.48	16.46	0.159	1,806.929	0.00	16.46	246.79
505.49	16.47	0.159	1,808.464	0.00	16.47	247.40
505.50	16.47	0.159	1,810.000	0.00	16.47	248.01

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: 100 year LFB

Return Event: 100 years
Storm Event:

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	504.20 ft
Volume (Initial)	0.108 ac-ft
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	1.000 min

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.00	0.00	0.000	0.000	0.00	0.00	0.00
500.05	0.00	0.000	2.775	0.00	0.00	0.00
500.10	0.00	0.000	11.100	0.00	0.00	0.01
500.15	0.00	0.000	24.975	0.00	0.00	0.04
500.20	0.00	0.000	44.400	0.00	0.00	0.10
500.25	0.00	0.000	69.375	0.00	0.00	0.19
500.30	0.00	0.000	99.900	0.00	0.00	0.33
500.35	0.00	0.000	135.975	0.00	0.00	0.53
500.40	0.00	0.001	177.600	0.00	0.00	0.79
500.45	0.00	0.001	224.775	0.00	0.00	1.12
500.50	0.00	0.001	277.500	0.00	0.00	1.54
500.55	0.00	0.001	335.775	0.00	0.00	2.05
500.60	0.00	0.002	399.600	0.00	0.00	2.66
500.65	0.00	0.002	468.975	0.00	0.00	3.39
500.70	0.00	0.003	543.900	0.00	0.00	4.23
500.75	0.00	0.004	624.375	0.00	0.00	5.20
500.80	0.00	0.004	710.400	0.00	0.00	6.31
500.85	0.00	0.005	801.975	0.00	0.00	7.57
500.90	0.00	0.006	899.100	0.00	0.00	8.99
500.95	0.00	0.007	1,001.775	0.00	0.00	10.57
501.00	0.00	0.008	1,110.000	0.00	0.00	12.33
501.05	0.00	0.010	1,117.556	0.00	0.00	14.19
501.10	0.00	0.011	1,125.139	0.00	0.00	16.06
501.15	0.00	0.012	1,132.746	0.00	0.00	17.94
501.20	0.00	0.014	1,140.380	0.00	0.00	19.83
501.25	0.00	0.015	1,148.039	0.00	0.00	21.74
501.30	0.00	0.016	1,155.723	0.00	0.00	23.66
501.35	0.00	0.018	1,163.434	0.00	0.00	25.59
501.40	0.00	0.019	1,171.170	0.00	0.00	27.54
501.45	0.00	0.020	1,178.931	0.00	0.00	29.50

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
501.50	0.00	0.022	1,186.718	0.00	0.00	31.47
501.55	0.00	0.023	1,194.531	0.00	0.00	33.45
501.60	0.00	0.024	1,202.370	0.00	0.00	35.45
501.65	0.00	0.026	1,210.234	0.00	0.00	37.46
501.70	0.00	0.027	1,218.123	0.00	0.00	39.49
501.75	0.00	0.029	1,226.039	0.00	0.00	41.52
501.80	0.00	0.030	1,233.980	0.00	0.00	43.57
501.85	0.00	0.031	1,241.946	0.00	0.00	45.64
501.90	0.00	0.033	1,249.939	0.00	0.00	47.71
501.95	0.00	0.034	1,257.956	0.00	0.00	49.80
502.00	0.00	0.036	1,266.000	0.00	0.00	51.90
502.05	0.00	0.037	1,273.727	0.00	0.00	54.02
502.10	0.00	0.039	1,281.477	0.00	0.00	56.15
502.15	0.00	0.040	1,289.251	0.00	0.00	58.29
502.20	0.00	0.042	1,297.048	0.00	0.00	60.45
502.25	0.00	0.043	1,304.868	0.00	0.00	62.62
502.30	0.00	0.045	1,312.713	0.00	0.00	64.80
502.35	0.00	0.046	1,320.580	0.00	0.00	66.99
502.40	0.00	0.048	1,328.472	0.00	0.00	69.20
502.45	0.00	0.049	1,336.386	0.00	0.00	71.42
502.50	0.00	0.051	1,344.325	0.00	0.00	73.65
502.55	0.00	0.052	1,352.286	0.00	0.00	75.90
502.60	0.00	0.054	1,360.272	0.00	0.00	78.16
502.65	0.00	0.055	1,368.280	0.00	0.00	80.44
502.70	0.00	0.057	1,376.313	0.00	0.00	82.72
502.75	0.00	0.059	1,384.368	0.00	0.00	85.02
502.80	0.00	0.060	1,392.448	0.00	0.00	87.34
502.85	0.00	0.062	1,400.551	0.00	0.00	89.66
502.90	0.00	0.063	1,408.677	0.00	0.00	92.01
502.95	0.00	0.065	1,416.827	0.00	0.00	94.36
503.00	0.00	0.067	1,425.000	0.00	0.00	96.73
503.05	0.00	0.068	1,432.560	0.00	0.00	99.11
503.10	0.00	0.070	1,440.140	0.00	0.00	101.50
503.15	0.00	0.072	1,447.740	0.00	0.00	103.91
503.20	0.00	0.073	1,455.360	0.00	0.00	106.33
503.25	0.00	0.075	1,463.000	0.00	0.00	108.76
503.30	0.00	0.077	1,470.660	0.00	0.00	111.21
503.35	0.00	0.078	1,478.340	0.00	0.00	113.66
503.40	0.00	0.080	1,486.040	0.00	0.00	116.13
503.45	0.00	0.082	1,493.760	0.00	0.00	118.62
503.50	0.00	0.083	1,501.500	0.00	0.00	121.11
503.55	0.00	0.085	1,509.260	0.00	0.00	123.62
503.60	0.00	0.087	1,517.040	0.00	0.00	126.14
503.65	0.00	0.089	1,524.840	0.00	0.00	128.68
503.70	0.00	0.090	1,532.660	0.00	0.00	131.23

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: 100 year LFB

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft^3/s)	Storage (ac-ft)	Area (ft^2)	Infiltration (ft^3/s)	Flow (Total) (ft^3/s)	2S/t + O (ft^3/s)
503.75	0.00	0.092	1,540.500	0.00	0.00	133.79
503.80	0.00	0.094	1,548.360	0.00	0.00	136.36
503.85	0.00	0.096	1,556.240	0.00	0.00	138.95
503.90	0.00	0.097	1,564.140	0.00	0.00	141.55
503.95	0.00	0.099	1,572.060	0.00	0.00	144.16
504.00	0.00	0.101	1,580.000	0.00	0.00	146.79
504.05	0.00	0.103	1,587.530	0.00	0.00	149.43
504.10	0.00	0.105	1,595.078	0.00	0.00	152.08
504.15	0.00	0.107	1,602.644	0.00	0.00	154.75
504.20	0.00	0.108	1,610.227	0.00	0.00	157.42
504.25	0.37	0.110	1,617.829	0.00	0.37	160.48
504.30	1.04	0.112	1,625.448	0.00	1.04	163.86
504.35	1.92	0.114	1,633.086	0.00	1.92	167.45
504.40	2.95	0.116	1,640.741	0.00	2.95	171.21
504.45	4.12	0.118	1,648.414	0.00	4.12	175.13
504.50	5.42	0.120	1,656.105	0.00	5.42	179.18
504.55	6.83	0.122	1,663.814	0.00	6.83	183.35
504.60	8.34	0.123	1,671.541	0.00	8.34	187.65
504.65	9.96	0.125	1,679.286	0.00	9.96	192.05
504.70	11.66	0.127	1,687.048	0.00	11.66	196.56
504.75	13.46	0.129	1,694.829	0.00	13.46	201.17
504.80	15.33	0.131	1,702.627	0.00	15.33	205.88
504.85	16.08	0.133	1,710.444	0.00	16.08	209.48
504.90	16.11	0.135	1,718.278	0.00	16.11	212.36
504.95	16.14	0.137	1,726.130	0.00	16.14	215.26
505.00	16.17	0.139	1,734.000	0.00	16.17	218.18
505.05	16.20	0.141	1,741.527	0.00	16.20	221.10
505.10	16.23	0.143	1,749.070	0.00	16.23	224.04
505.15	16.26	0.145	1,756.629	0.00	16.26	226.99
505.20	16.29	0.147	1,764.204	0.00	16.29	229.96
505.25	16.32	0.149	1,771.796	0.00	16.32	232.93
505.30	16.35	0.151	1,779.404	0.00	16.35	235.92
505.35	16.38	0.153	1,787.029	0.00	16.38	238.93
505.40	16.41	0.155	1,794.670	0.00	16.41	241.94
505.45	16.44	0.157	1,802.327	0.00	16.44	244.97
505.50	16.47	0.159	1,810.000	0.00	16.47	248.01

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	500.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	1.000 min

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.00	0.00	0.000	0.000	0.00	0.00	0.00
500.01	0.00	0.000	0.111	0.00	0.00	0.00
500.02	0.00	0.000	0.444	0.00	0.00	0.00
500.03	0.00	0.000	0.999	0.00	0.00	0.00
500.04	0.00	0.000	1.776	0.00	0.00	0.00
500.05	0.00	0.000	2.775	0.00	0.00	0.01
500.06	0.01	0.000	3.996	0.00	0.01	0.01
500.07	0.01	0.000	5.439	0.00	0.01	0.01
500.08	0.01	0.000	7.104	0.00	0.01	0.02
500.09	0.01	0.000	8.991	0.00	0.01	0.02
500.10	0.02	0.000	11.100	0.00	0.02	0.03
500.11	0.02	0.000	13.431	0.00	0.02	0.04
500.12	0.02	0.000	15.984	0.00	0.02	0.04
500.13	0.03	0.000	18.759	0.00	0.03	0.06
500.14	0.03	0.000	21.756	0.00	0.03	0.07
500.15	0.04	0.000	24.975	0.00	0.04	0.08
500.16	0.04	0.000	28.416	0.00	0.04	0.09
500.17	0.05	0.000	32.079	0.00	0.05	0.11
500.18	0.05	0.000	35.964	0.00	0.05	0.12
500.19	0.06	0.000	40.071	0.00	0.06	0.14
500.20	0.06	0.000	44.400	0.00	0.06	0.16
500.21	0.07	0.000	48.951	0.00	0.07	0.18
500.22	0.07	0.000	53.724	0.00	0.07	0.21
500.23	0.08	0.000	58.719	0.00	0.08	0.23
500.24	0.09	0.000	63.936	0.00	0.09	0.26
500.25	0.09	0.000	69.375	0.00	0.09	0.28
500.26	0.10	0.000	75.036	0.00	0.10	0.31
500.27	0.10	0.000	80.919	0.00	0.10	0.35
500.28	0.11	0.000	87.024	0.00	0.11	0.38
500.29	0.12	0.000	93.351	0.00	0.12	0.42

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.30	0.13	0.000	99.900	0.00	0.13	0.46
500.31	0.13	0.000	106.671	0.00	0.13	0.50
500.32	0.13	0.000	113.664	0.00	0.13	0.54
500.33	0.14	0.000	120.879	0.00	0.14	0.58
500.34	0.14	0.000	128.316	0.00	0.14	0.63
500.35	0.15	0.000	135.975	0.00	0.15	0.67
500.36	0.15	0.000	143.856	0.00	0.15	0.72
500.37	0.15	0.000	151.959	0.00	0.15	0.78
500.38	0.16	0.000	160.284	0.00	0.16	0.83
500.39	0.16	0.001	168.831	0.00	0.16	0.89
500.40	0.16	0.001	177.600	0.00	0.16	0.95
500.41	0.16	0.001	186.591	0.00	0.16	1.01
500.42	0.17	0.001	195.804	0.00	0.17	1.08
500.43	0.17	0.001	205.239	0.00	0.17	1.15
500.44	0.17	0.001	214.896	0.00	0.17	1.23
500.45	0.18	0.001	224.775	0.00	0.18	1.30
500.46	0.18	0.001	234.876	0.00	0.18	1.38
500.47	0.18	0.001	245.199	0.00	0.18	1.46
500.48	0.19	0.001	255.744	0.00	0.19	1.55
500.49	0.19	0.001	266.511	0.00	0.19	1.64
500.50	0.19	0.001	277.500	0.00	0.19	1.73
500.51	0.19	0.001	288.711	0.00	0.19	1.83
500.52	0.20	0.001	300.144	0.00	0.20	1.93
500.53	0.20	0.001	311.799	0.00	0.20	2.04
500.54	0.20	0.001	323.676	0.00	0.20	2.14
500.55	0.21	0.001	335.775	0.00	0.21	2.26
500.56	0.21	0.001	348.096	0.00	0.21	2.37
500.57	0.21	0.002	360.639	0.00	0.21	2.49
500.58	0.21	0.002	373.404	0.00	0.21	2.62
500.59	0.21	0.002	386.391	0.00	0.21	2.75
500.60	0.22	0.002	399.600	0.00	0.22	2.88
500.61	0.22	0.002	413.031	0.00	0.22	3.02
500.62	0.22	0.002	426.684	0.00	0.22	3.16
500.63	0.22	0.002	440.559	0.00	0.22	3.31
500.64	0.23	0.002	454.656	0.00	0.23	3.46
500.65	0.23	0.002	468.975	0.00	0.23	3.62
500.66	0.23	0.002	483.516	0.00	0.23	3.78
500.67	0.23	0.003	498.279	0.00	0.23	3.94
500.68	0.23	0.003	513.264	0.00	0.23	4.11
500.69	0.24	0.003	528.471	0.00	0.24	4.29
500.70	0.24	0.003	543.900	0.00	0.24	4.47
500.71	0.24	0.003	559.551	0.00	0.24	4.66
500.72	0.24	0.003	575.424	0.00	0.24	4.85
500.73	0.25	0.003	591.519	0.00	0.25	5.04
500.74	0.25	0.003	607.836	0.00	0.25	5.25

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
500.75	0.25	0.004	624.375	0.00	0.25	5.45
500.76	0.25	0.004	641.136	0.00	0.25	5.66
500.77	0.25	0.004	658.119	0.00	0.25	5.89
500.78	0.26	0.004	675.324	0.00	0.26	6.11
500.79	0.26	0.004	692.751	0.00	0.26	6.34
500.80	0.26	0.004	710.400	0.00	0.26	6.58
500.81	0.26	0.005	728.271	0.00	0.26	6.82
500.82	0.26	0.005	746.364	0.00	0.26	7.06
500.83	0.27	0.005	764.679	0.00	0.27	7.32
500.84	0.27	0.005	783.216	0.00	0.27	7.58
500.85	0.27	0.005	801.975	0.00	0.27	7.84
500.86	0.27	0.005	820.956	0.00	0.27	8.12
500.87	0.27	0.006	840.159	0.00	0.27	8.40
500.88	0.28	0.006	859.584	0.00	0.28	8.68
500.89	0.28	0.006	879.231	0.00	0.28	8.97
500.90	0.28	0.006	899.100	0.00	0.28	9.27
500.91	0.28	0.006	919.191	0.00	0.28	9.57
500.92	0.28	0.007	939.504	0.00	0.28	9.89
500.93	0.28	0.007	960.039	0.00	0.28	10.20
500.94	0.29	0.007	980.796	0.00	0.29	10.53
500.95	0.29	0.007	1,001.775	0.00	0.29	10.86
500.96	0.29	0.008	1,022.976	0.00	0.29	11.20
500.97	0.29	0.008	1,044.399	0.00	0.29	11.55
500.98	0.29	0.008	1,066.044	0.00	0.29	11.90
500.99	0.29	0.008	1,087.911	0.00	0.29	12.26
501.00	0.30	0.008	1,110.000	0.00	0.30	12.63
501.01	0.30	0.009	1,111.509	0.00	0.30	13.00
501.02	0.30	0.009	1,113.020	0.00	0.30	13.37
501.03	0.30	0.009	1,114.531	0.00	0.30	13.75
501.04	0.30	0.010	1,116.043	0.00	0.30	14.12
501.05	0.31	0.010	1,117.556	0.00	0.31	14.49
501.06	0.31	0.010	1,119.071	0.00	0.31	14.87
501.07	0.31	0.010	1,120.586	0.00	0.31	15.24
501.08	0.31	0.011	1,122.103	0.00	0.31	15.62
501.09	0.31	0.011	1,123.620	0.00	0.31	16.00
501.10	0.31	0.011	1,125.139	0.00	0.31	16.37
501.11	0.32	0.011	1,126.658	0.00	0.32	16.75
501.12	0.32	0.012	1,128.179	0.00	0.32	17.13
501.13	0.32	0.012	1,129.700	0.00	0.32	17.50
501.14	0.32	0.012	1,131.223	0.00	0.32	17.88
501.15	0.32	0.012	1,132.746	0.00	0.32	18.26
501.16	0.32	0.013	1,134.271	0.00	0.32	18.64
501.17	0.33	0.013	1,135.797	0.00	0.33	19.02
501.18	0.33	0.013	1,137.323	0.00	0.33	19.40
501.19	0.33	0.013	1,138.851	0.00	0.33	19.78

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
501.20	0.33	0.014	1,140.380	0.00	0.33	20.16
501.21	0.33	0.014	1,141.909	0.00	0.33	20.55
501.22	0.33	0.014	1,143.440	0.00	0.33	20.93
501.23	0.33	0.014	1,144.972	0.00	0.33	21.31
501.24	0.34	0.015	1,146.505	0.00	0.34	21.70
501.25	0.34	0.015	1,148.039	0.00	0.34	22.08
501.26	0.34	0.015	1,149.574	0.00	0.34	22.46
501.27	0.34	0.016	1,151.110	0.00	0.34	22.85
501.28	0.34	0.016	1,152.646	0.00	0.34	23.23
501.29	0.34	0.016	1,154.184	0.00	0.34	23.62
501.30	0.35	0.016	1,155.723	0.00	0.35	24.01
501.31	0.35	0.017	1,157.263	0.00	0.35	24.39
501.32	0.35	0.017	1,158.804	0.00	0.35	24.78
501.33	0.35	0.017	1,160.346	0.00	0.35	25.17
501.34	0.35	0.017	1,161.890	0.00	0.35	25.56
501.35	0.35	0.018	1,163.434	0.00	0.35	25.95
501.36	0.35	0.018	1,164.979	0.00	0.35	26.34
501.37	0.36	0.018	1,166.525	0.00	0.36	26.73
501.38	0.36	0.018	1,168.072	0.00	0.36	27.12
501.39	0.36	0.019	1,169.620	0.00	0.36	27.51
501.40	0.36	0.019	1,171.170	0.00	0.36	27.90
501.41	0.36	0.019	1,172.720	0.00	0.36	28.29
501.42	0.36	0.020	1,174.271	0.00	0.36	28.68
501.43	0.36	0.020	1,175.823	0.00	0.36	29.08
501.44	0.37	0.020	1,177.377	0.00	0.37	29.47
501.45	0.37	0.020	1,178.931	0.00	0.37	29.86
501.46	0.37	0.021	1,180.487	0.00	0.37	30.26
501.47	0.37	0.021	1,182.043	0.00	0.37	30.65
501.48	0.37	0.021	1,183.600	0.00	0.37	31.05
501.49	0.37	0.021	1,185.159	0.00	0.37	31.45
501.50	0.37	0.022	1,186.718	0.00	0.37	31.84
501.51	0.37	0.022	1,188.279	0.00	0.37	32.24
501.52	0.38	0.022	1,189.840	0.00	0.38	32.64
501.53	0.38	0.022	1,191.403	0.00	0.38	33.04
501.54	0.38	0.023	1,192.967	0.00	0.38	33.44
501.55	0.38	0.023	1,194.531	0.00	0.38	33.83
501.56	0.38	0.023	1,196.097	0.00	0.38	34.23
501.57	0.38	0.024	1,197.663	0.00	0.38	34.63
501.58	0.39	0.024	1,199.231	0.00	0.39	35.04
501.59	0.39	0.024	1,200.800	0.00	0.39	35.44
501.60	0.39	0.024	1,202.370	0.00	0.39	35.84
501.61	0.39	0.025	1,203.940	0.00	0.39	36.24
501.62	0.39	0.025	1,205.512	0.00	0.39	36.64
501.63	0.39	0.025	1,207.085	0.00	0.39	37.05
501.64	0.39	0.026	1,208.659	0.00	0.39	37.45

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
501.65	0.39	0.026	1,210.234	0.00	0.39	37.86
501.66	0.40	0.026	1,211.810	0.00	0.40	38.26
501.67	0.40	0.026	1,213.386	0.00	0.40	38.67
501.68	0.40	0.027	1,214.964	0.00	0.40	39.07
501.69	0.40	0.027	1,216.543	0.00	0.40	39.48
501.70	0.40	0.027	1,218.123	0.00	0.40	39.89
501.71	0.40	0.027	1,219.704	0.00	0.40	40.29
501.72	0.40	0.028	1,221.286	0.00	0.40	40.70
501.73	0.40	0.028	1,222.870	0.00	0.40	41.11
501.74	0.41	0.028	1,224.454	0.00	0.41	41.52
501.75	0.41	0.029	1,226.039	0.00	0.41	41.93
501.76	0.41	0.029	1,227.625	0.00	0.41	42.34
501.77	0.41	0.029	1,229.212	0.00	0.41	42.75
501.78	0.41	0.029	1,230.800	0.00	0.41	43.16
501.79	0.41	0.030	1,232.389	0.00	0.41	43.57
501.80	0.41	0.030	1,233.980	0.00	0.41	43.99
501.81	0.41	0.030	1,235.571	0.00	0.41	44.40
501.82	0.41	0.031	1,237.163	0.00	0.41	44.81
501.83	0.42	0.031	1,238.757	0.00	0.42	45.23
501.84	0.42	0.031	1,240.351	0.00	0.42	45.64
501.85	0.42	0.031	1,241.946	0.00	0.42	46.05
501.86	0.42	0.032	1,243.543	0.00	0.42	46.47
501.87	0.42	0.032	1,245.140	0.00	0.42	46.89
501.88	0.42	0.032	1,246.739	0.00	0.42	47.30
501.89	0.42	0.033	1,248.338	0.00	0.42	47.72
501.90	0.42	0.033	1,249.939	0.00	0.42	48.14
501.91	0.43	0.033	1,251.540	0.00	0.43	48.56
501.92	0.43	0.033	1,253.143	0.00	0.43	48.97
501.93	0.43	0.034	1,254.746	0.00	0.43	49.39
501.94	0.43	0.034	1,256.351	0.00	0.43	49.81
501.95	0.43	0.034	1,257.956	0.00	0.43	50.23
501.96	0.43	0.035	1,259.563	0.00	0.43	50.65
501.97	0.43	0.035	1,261.171	0.00	0.43	51.07
501.98	0.44	0.035	1,262.780	0.00	0.44	51.50
501.99	0.44	0.035	1,264.389	0.00	0.44	51.92
502.00	0.44	0.036	1,266.000	0.00	0.44	52.34
502.01	0.44	0.036	1,267.543	0.00	0.44	52.77
502.02	0.44	0.036	1,269.088	0.00	0.44	53.19
502.03	0.44	0.037	1,270.633	0.00	0.44	53.61
502.04	0.44	0.037	1,272.179	0.00	0.44	54.04
502.05	0.44	0.037	1,273.727	0.00	0.44	54.47
502.06	0.44	0.037	1,275.275	0.00	0.44	54.89
502.07	0.45	0.038	1,276.824	0.00	0.45	55.32
502.08	0.45	0.038	1,278.374	0.00	0.45	55.74
502.09	0.45	0.038	1,279.925	0.00	0.45	56.17

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
502.10	0.45	0.039	1,281.477	0.00	0.45	56.60
502.11	0.45	0.039	1,283.030	0.00	0.45	57.03
502.12	0.45	0.039	1,284.584	0.00	0.45	57.46
502.13	0.45	0.040	1,286.138	0.00	0.45	57.89
502.14	0.45	0.040	1,287.694	0.00	0.45	58.32
502.15	0.46	0.040	1,289.251	0.00	0.46	58.75
502.16	0.46	0.040	1,290.808	0.00	0.46	59.18
502.17	0.46	0.041	1,292.367	0.00	0.46	59.61
502.18	0.46	0.041	1,293.926	0.00	0.46	60.04
502.19	0.46	0.041	1,295.486	0.00	0.46	60.48
502.20	0.46	0.042	1,297.048	0.00	0.46	60.91
502.21	0.46	0.042	1,298.610	0.00	0.46	61.34
502.22	0.46	0.042	1,300.173	0.00	0.46	61.78
502.23	0.46	0.043	1,301.737	0.00	0.46	62.21
502.24	0.47	0.043	1,303.302	0.00	0.47	62.65
502.25	0.47	0.043	1,304.868	0.00	0.47	63.08
502.26	0.47	0.043	1,306.435	0.00	0.47	63.52
502.27	0.47	0.044	1,308.003	0.00	0.47	63.95
502.28	0.47	0.044	1,309.572	0.00	0.47	64.39
502.29	0.47	0.044	1,311.142	0.00	0.47	64.83
502.30	0.47	0.045	1,312.713	0.00	0.47	65.27
502.31	0.47	0.045	1,314.284	0.00	0.47	65.71
502.32	0.47	0.045	1,315.857	0.00	0.47	66.15
502.33	0.47	0.046	1,317.431	0.00	0.47	66.59
502.34	0.48	0.046	1,319.005	0.00	0.48	67.03
502.35	0.48	0.046	1,320.580	0.00	0.48	67.47
502.36	0.48	0.046	1,322.157	0.00	0.48	67.91
502.37	0.48	0.047	1,323.734	0.00	0.48	68.35
502.38	0.48	0.047	1,325.312	0.00	0.48	68.80
502.39	0.48	0.047	1,326.892	0.00	0.48	69.24
502.40	0.48	0.048	1,328.472	0.00	0.48	69.68
502.41	0.48	0.048	1,330.053	0.00	0.48	70.13
502.42	0.48	0.048	1,331.635	0.00	0.48	70.57
502.43	0.49	0.049	1,333.218	0.00	0.49	71.02
502.44	0.49	0.049	1,334.802	0.00	0.49	71.46
502.45	0.49	0.049	1,336.386	0.00	0.49	71.91
502.46	0.49	0.049	1,337.972	0.00	0.49	72.36
502.47	0.49	0.050	1,339.559	0.00	0.49	72.80
502.48	0.49	0.050	1,341.147	0.00	0.49	73.25
502.49	0.49	0.050	1,342.735	0.00	0.49	73.70
502.50	0.49	0.051	1,344.325	0.00	0.49	74.15
502.51	0.50	0.051	1,345.915	0.00	0.50	74.60
502.52	0.49	0.051	1,347.507	0.00	0.49	75.05
502.53	0.50	0.052	1,349.099	0.00	0.50	75.50
502.54	0.50	0.052	1,350.692	0.00	0.50	75.95

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
502.55	0.50	0.052	1,352.286	0.00	0.50	76.40
502.56	0.50	0.053	1,353.882	0.00	0.50	76.85
502.57	0.50	0.053	1,355.478	0.00	0.50	77.30
502.58	0.50	0.053	1,357.075	0.00	0.50	77.76
502.59	0.50	0.054	1,358.673	0.00	0.50	78.21
502.60	0.50	0.054	1,360.272	0.00	0.50	78.67
502.61	0.50	0.054	1,361.872	0.00	0.50	79.12
502.62	0.51	0.054	1,363.472	0.00	0.51	79.58
502.63	0.50	0.055	1,365.074	0.00	0.50	80.03
502.64	0.51	0.055	1,366.677	0.00	0.51	80.49
502.65	0.51	0.055	1,368.280	0.00	0.51	80.94
502.66	0.51	0.056	1,369.885	0.00	0.51	81.40
502.67	0.51	0.056	1,371.491	0.00	0.51	81.86
502.68	0.51	0.056	1,373.097	0.00	0.51	82.32
502.69	0.51	0.057	1,374.704	0.00	0.51	82.78
502.70	0.51	0.057	1,376.313	0.00	0.51	83.24
502.71	0.51	0.057	1,377.922	0.00	0.51	83.70
502.72	0.51	0.058	1,379.532	0.00	0.51	84.16
502.73	0.52	0.058	1,381.143	0.00	0.52	84.62
502.74	0.52	0.058	1,382.755	0.00	0.52	85.08
502.75	0.52	0.059	1,384.368	0.00	0.52	85.54
502.76	0.52	0.059	1,385.982	0.00	0.52	86.00
502.77	0.52	0.059	1,387.597	0.00	0.52	86.47
502.78	0.52	0.060	1,389.213	0.00	0.52	86.93
502.79	0.52	0.060	1,390.830	0.00	0.52	87.40
502.80	0.52	0.060	1,392.448	0.00	0.52	87.86
502.81	0.52	0.060	1,394.066	0.00	0.52	88.33
502.82	0.52	0.061	1,395.686	0.00	0.52	88.79
502.83	0.52	0.061	1,397.307	0.00	0.52	89.26
502.84	0.53	0.061	1,398.928	0.00	0.53	89.73
502.85	0.53	0.062	1,400.551	0.00	0.53	90.19
502.86	0.53	0.062	1,402.174	0.00	0.53	90.66
502.87	0.53	0.062	1,403.798	0.00	0.53	91.13
502.88	0.53	0.063	1,405.424	0.00	0.53	91.60
502.89	0.53	0.063	1,407.050	0.00	0.53	92.07
502.90	0.53	0.063	1,408.677	0.00	0.53	92.54
502.91	0.54	0.064	1,410.305	0.00	0.54	93.01
502.92	0.54	0.064	1,411.934	0.00	0.54	93.48
502.93	0.54	0.064	1,413.564	0.00	0.54	93.95
502.94	0.54	0.065	1,415.195	0.00	0.54	94.43
502.95	0.54	0.065	1,416.827	0.00	0.54	94.90
502.96	0.54	0.065	1,418.459	0.00	0.54	95.37
502.97	0.54	0.066	1,420.093	0.00	0.54	95.85
502.98	0.54	0.066	1,421.728	0.00	0.54	96.32
502.99	0.54	0.066	1,423.363	0.00	0.54	96.79

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
503.00	0.54	0.067	1,425.000	0.00	0.54	97.27
503.01	0.54	0.067	1,426.510	0.00	0.54	97.75
503.02	0.55	0.067	1,428.022	0.00	0.55	98.23
503.03	0.55	0.068	1,429.534	0.00	0.55	98.71
503.04	0.55	0.068	1,431.046	0.00	0.55	99.18
503.05	0.56	0.068	1,432.560	0.00	0.56	99.67
503.06	0.56	0.069	1,434.074	0.00	0.56	100.15
503.07	0.56	0.069	1,435.590	0.00	0.56	100.63
503.08	0.57	0.069	1,437.106	0.00	0.57	101.11
503.09	0.57	0.070	1,438.622	0.00	0.57	101.60
503.10	0.58	0.070	1,440.140	0.00	0.58	102.08
503.11	0.58	0.070	1,441.658	0.00	0.58	102.56
503.12	0.58	0.071	1,443.178	0.00	0.58	103.05
503.13	0.59	0.071	1,444.698	0.00	0.59	103.54
503.14	0.59	0.071	1,446.218	0.00	0.59	104.02
503.15	0.60	0.072	1,447.740	0.00	0.60	104.51
503.16	0.61	0.072	1,449.262	0.00	0.61	105.00
503.17	0.61	0.072	1,450.786	0.00	0.61	105.49
503.18	0.62	0.073	1,452.310	0.00	0.62	105.98
503.19	0.62	0.073	1,453.834	0.00	0.62	106.47
503.20	0.63	0.073	1,455.360	0.00	0.63	106.96
503.21	0.64	0.074	1,456.886	0.00	0.64	107.45
503.22	0.64	0.074	1,458.414	0.00	0.64	107.94
503.23	0.65	0.074	1,459.942	0.00	0.65	108.44
503.24	0.65	0.075	1,461.470	0.00	0.65	108.93
503.25	0.66	0.075	1,463.000	0.00	0.66	109.42
503.26	0.66	0.075	1,464.530	0.00	0.66	109.91
503.27	0.67	0.076	1,466.062	0.00	0.67	110.41
503.28	0.68	0.076	1,467.594	0.00	0.68	110.91
503.29	0.69	0.076	1,469.126	0.00	0.69	111.40
503.30	0.69	0.077	1,470.660	0.00	0.69	111.90
503.31	0.70	0.077	1,472.194	0.00	0.70	112.40
503.32	0.71	0.077	1,473.730	0.00	0.71	112.90
503.33	0.73	0.078	1,475.266	0.00	0.73	113.41
503.34	0.74	0.078	1,476.802	0.00	0.74	113.91
503.35	0.75	0.078	1,478.340	0.00	0.75	114.41
503.36	0.75	0.079	1,479.878	0.00	0.75	114.91
503.37	0.76	0.079	1,481.418	0.00	0.76	115.41
503.38	0.76	0.079	1,482.958	0.00	0.76	115.91
503.39	0.77	0.080	1,484.498	0.00	0.77	116.41
503.40	0.77	0.080	1,486.040	0.00	0.77	116.91
503.41	0.78	0.080	1,487.582	0.00	0.78	117.40
503.42	0.78	0.081	1,489.126	0.00	0.78	117.91
503.43	0.78	0.081	1,490.670	0.00	0.78	118.41
503.44	0.79	0.081	1,492.214	0.00	0.79	118.91

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
503.45	0.79	0.082	1,493.760	0.00	0.79	119.41
503.46	0.80	0.082	1,495.306	0.00	0.80	119.92
503.47	0.81	0.082	1,496.854	0.00	0.81	120.42
503.48	0.81	0.083	1,498.402	0.00	0.81	120.92
503.49	0.81	0.083	1,499.950	0.00	0.81	121.43
503.50	0.82	0.083	1,501.500	0.00	0.82	121.93
503.51	0.82	0.084	1,503.050	0.00	0.82	122.44
503.52	0.83	0.084	1,504.602	0.00	0.83	122.94
503.53	0.83	0.084	1,506.154	0.00	0.83	123.45
503.54	0.84	0.085	1,507.706	0.00	0.84	123.96
503.55	0.84	0.085	1,509.260	0.00	0.84	124.46
503.56	0.84	0.085	1,510.814	0.00	0.84	124.97
503.57	0.85	0.086	1,512.370	0.00	0.85	125.48
503.58	0.85	0.086	1,513.926	0.00	0.85	125.99
503.59	0.86	0.087	1,515.482	0.00	0.86	126.49
503.60	0.86	0.087	1,517.040	0.00	0.86	127.00
503.61	0.86	0.087	1,518.598	0.00	0.86	127.51
503.62	0.87	0.088	1,520.158	0.00	0.87	128.02
503.63	0.87	0.088	1,521.718	0.00	0.87	128.54
503.64	0.87	0.088	1,523.278	0.00	0.87	129.05
503.65	0.88	0.089	1,524.840	0.00	0.88	129.56
503.66	0.88	0.089	1,526.402	0.00	0.88	130.07
503.67	0.89	0.089	1,527.966	0.00	0.89	130.58
503.68	0.89	0.090	1,529.530	0.00	0.89	131.09
503.69	0.89	0.090	1,531.094	0.00	0.89	131.61
503.70	0.90	0.090	1,532.660	0.00	0.90	132.12
503.71	0.90	0.091	1,534.226	0.00	0.90	132.64
503.72	0.90	0.091	1,535.794	0.00	0.90	133.15
503.73	0.90	0.091	1,537.362	0.00	0.90	133.67
503.74	0.91	0.092	1,538.930	0.00	0.91	134.18
503.75	0.92	0.092	1,540.500	0.00	0.92	134.70
503.76	0.92	0.092	1,542.070	0.00	0.92	135.22
503.77	0.92	0.093	1,543.642	0.00	0.92	135.74
503.78	0.92	0.093	1,545.214	0.00	0.92	136.26
503.79	0.93	0.094	1,546.786	0.00	0.93	136.77
503.80	0.93	0.094	1,548.360	0.00	0.93	137.29
503.81	0.94	0.094	1,549.934	0.00	0.94	137.81
503.82	0.94	0.095	1,551.510	0.00	0.94	138.33
503.83	0.94	0.095	1,553.086	0.00	0.94	138.85
503.84	0.95	0.095	1,554.662	0.00	0.95	139.38
503.85	0.95	0.096	1,556.240	0.00	0.95	139.90
503.86	0.95	0.096	1,557.818	0.00	0.95	140.42
503.87	0.95	0.096	1,559.398	0.00	0.95	140.94
503.88	0.96	0.097	1,560.978	0.00	0.96	141.47
503.89	0.96	0.097	1,562.558	0.00	0.96	141.99

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
503.90	0.96	0.097	1,564.140	0.00	0.96	142.51
503.91	0.97	0.098	1,565.722	0.00	0.97	143.04
503.92	0.97	0.098	1,567.306	0.00	0.97	143.56
503.93	0.97	0.099	1,568.890	0.00	0.97	144.09
503.94	0.98	0.099	1,570.474	0.00	0.98	144.61
503.95	0.98	0.099	1,572.060	0.00	0.98	145.14
503.96	0.98	0.100	1,573.646	0.00	0.98	145.67
503.97	0.98	0.100	1,575.234	0.00	0.98	146.20
503.98	0.99	0.100	1,576.822	0.00	0.99	146.73
503.99	0.99	0.101	1,578.410	0.00	0.99	147.26
504.00	1.00	0.101	1,580.000	0.00	1.00	147.79
504.01	1.00	0.101	1,581.505	0.00	1.00	148.31
504.02	1.00	0.102	1,583.010	0.00	1.00	148.85
504.03	1.00	0.102	1,584.516	0.00	1.00	149.37
504.04	1.01	0.103	1,586.023	0.00	1.01	149.91
504.05	1.01	0.103	1,587.530	0.00	1.01	150.44
504.06	1.01	0.103	1,589.038	0.00	1.01	150.97
504.07	1.01	0.104	1,590.547	0.00	1.01	151.50
504.08	1.02	0.104	1,592.057	0.00	1.02	152.04
504.09	1.02	0.104	1,593.567	0.00	1.02	152.57
504.10	1.02	0.105	1,595.078	0.00	1.02	153.11
504.11	1.03	0.105	1,596.590	0.00	1.03	153.64
504.12	1.03	0.105	1,598.102	0.00	1.03	154.18
504.13	1.03	0.106	1,599.615	0.00	1.03	154.71
504.14	1.04	0.106	1,601.129	0.00	1.04	155.25
504.15	1.04	0.107	1,602.644	0.00	1.04	155.79
504.16	1.04	0.107	1,604.159	0.00	1.04	156.32
504.17	1.04	0.107	1,605.675	0.00	1.04	156.86
504.18	1.05	0.108	1,607.192	0.00	1.05	157.40
504.19	1.05	0.108	1,608.709	0.00	1.05	157.94
504.20	1.05	0.108	1,610.227	0.00	1.05	158.48
504.21	1.09	0.109	1,611.746	0.00	1.09	159.05
504.22	1.15	0.109	1,613.266	0.00	1.15	159.65
504.23	1.23	0.110	1,614.786	0.00	1.23	160.27
504.24	1.33	0.110	1,616.307	0.00	1.33	160.90
504.25	1.44	0.110	1,617.829	0.00	1.44	161.55
504.26	1.55	0.111	1,619.351	0.00	1.55	162.21
504.27	1.68	0.111	1,620.874	0.00	1.68	162.88
504.28	1.82	0.111	1,622.398	0.00	1.82	163.56
504.29	1.97	0.112	1,623.923	0.00	1.97	164.24
504.30	2.12	0.112	1,625.448	0.00	2.12	164.94
504.31	2.29	0.113	1,626.974	0.00	2.29	165.64
504.32	2.46	0.113	1,628.501	0.00	2.46	166.36
504.33	2.63	0.113	1,630.028	0.00	2.63	167.08
504.34	2.82	0.114	1,631.557	0.00	2.82	167.81

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
504.35	3.01	0.114	1,633.086	0.00	3.01	168.54
504.36	3.21	0.114	1,634.615	0.00	3.21	169.28
504.37	3.41	0.115	1,636.145	0.00	3.41	170.03
504.38	3.62	0.115	1,637.677	0.00	3.62	170.79
504.39	3.84	0.116	1,639.208	0.00	3.84	171.55
504.40	4.06	0.116	1,640.741	0.00	4.06	172.32
504.41	4.29	0.116	1,642.274	0.00	4.29	173.09
504.42	4.52	0.117	1,643.808	0.00	4.52	173.87
504.43	4.75	0.117	1,645.343	0.00	4.75	174.66
504.44	4.99	0.117	1,646.878	0.00	4.99	175.45
504.45	5.24	0.118	1,648.414	0.00	5.24	176.24
504.46	5.50	0.118	1,649.951	0.00	5.50	177.05
504.47	5.75	0.119	1,651.488	0.00	5.75	177.85
504.48	6.01	0.119	1,653.026	0.00	6.01	178.67
504.49	6.28	0.119	1,654.565	0.00	6.28	179.48
504.50	6.55	0.120	1,656.105	0.00	6.55	180.31
504.51	6.83	0.120	1,657.645	0.00	6.83	181.13
504.52	7.11	0.120	1,659.186	0.00	7.11	181.97
504.53	7.39	0.121	1,660.728	0.00	7.39	182.81
504.54	7.68	0.121	1,662.271	0.00	7.68	183.65
504.55	7.98	0.122	1,663.814	0.00	7.98	184.50
504.56	8.27	0.122	1,665.358	0.00	8.27	185.35
504.57	8.57	0.122	1,666.903	0.00	8.57	186.21
504.58	8.88	0.123	1,668.448	0.00	8.88	187.07
504.59	9.19	0.123	1,669.994	0.00	9.19	187.93
504.60	9.50	0.123	1,671.541	0.00	9.50	188.80
504.61	9.82	0.124	1,673.088	0.00	9.82	189.68
504.62	10.14	0.124	1,674.637	0.00	10.14	190.56
504.63	10.47	0.125	1,676.185	0.00	10.47	191.44
504.64	10.79	0.125	1,677.735	0.00	10.79	192.33
504.65	11.13	0.125	1,679.286	0.00	11.13	193.22
504.66	11.46	0.126	1,680.837	0.00	11.46	194.12
504.67	11.80	0.126	1,682.388	0.00	11.80	195.02
504.68	12.15	0.127	1,683.941	0.00	12.15	195.92
504.69	12.49	0.127	1,685.494	0.00	12.49	196.83
504.70	12.84	0.127	1,687.048	0.00	12.84	197.74
504.71	13.17	0.128	1,688.603	0.00	13.17	198.63
504.72	13.48	0.128	1,690.158	0.00	13.48	199.51
504.73	13.81	0.129	1,691.714	0.00	13.81	200.39
504.74	14.13	0.129	1,693.271	0.00	14.13	201.28
504.75	14.45	0.129	1,694.829	0.00	14.45	202.17
504.76	14.77	0.130	1,696.387	0.00	14.77	203.05
504.77	15.09	0.130	1,697.946	0.00	15.09	203.94
504.78	15.33	0.130	1,699.506	0.00	15.33	204.75
504.79	15.58	0.131	1,701.066	0.00	15.58	205.56

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
504.80	15.80	0.131	1,702.627	0.00	15.80	206.35
504.81	15.97	0.132	1,704.189	0.00	15.97	207.09
504.82	16.07	0.132	1,705.752	0.00	16.07	207.75
504.83	16.07	0.132	1,707.315	0.00	16.07	208.33
504.84	16.08	0.133	1,708.879	0.00	16.08	208.90
504.85	16.08	0.133	1,710.444	0.00	16.08	209.48
504.86	16.09	0.134	1,712.009	0.00	16.09	210.05
504.87	16.10	0.134	1,713.575	0.00	16.10	210.63
504.88	16.10	0.134	1,715.142	0.00	16.10	211.21
504.89	16.11	0.135	1,716.710	0.00	16.11	211.79
504.90	16.11	0.135	1,718.278	0.00	16.11	212.36
504.91	16.12	0.136	1,719.847	0.00	16.12	212.94
504.92	16.13	0.136	1,721.417	0.00	16.13	213.52
504.93	16.13	0.136	1,722.987	0.00	16.13	214.10
504.94	16.14	0.137	1,724.558	0.00	16.14	214.68
504.95	16.14	0.137	1,726.130	0.00	16.14	215.26
504.96	16.15	0.138	1,727.703	0.00	16.15	215.85
504.97	16.16	0.138	1,729.276	0.00	16.16	216.43
504.98	16.16	0.138	1,730.850	0.00	16.16	217.01
504.99	16.17	0.139	1,732.425	0.00	16.17	217.59
505.00	16.18	0.139	1,734.000	0.00	16.18	218.18
505.01	16.18	0.140	1,735.504	0.00	16.18	218.76
505.02	16.19	0.140	1,737.009	0.00	16.19	219.35
505.03	16.19	0.140	1,738.514	0.00	16.19	219.93
505.04	16.20	0.141	1,740.020	0.00	16.20	220.52
505.05	16.21	0.141	1,741.527	0.00	16.21	221.10
505.06	16.21	0.142	1,743.034	0.00	16.21	221.69
505.07	16.22	0.142	1,744.542	0.00	16.22	222.28
505.08	16.22	0.142	1,746.050	0.00	16.22	222.87
505.09	16.23	0.143	1,747.560	0.00	16.23	223.45
505.10	16.23	0.143	1,749.070	0.00	16.23	224.04
505.11	16.24	0.144	1,750.580	0.00	16.24	224.63
505.12	16.25	0.144	1,752.091	0.00	16.25	225.22
505.13	16.25	0.144	1,753.603	0.00	16.25	225.81
505.14	16.26	0.145	1,755.116	0.00	16.26	226.40
505.15	16.26	0.145	1,756.629	0.00	16.26	226.99
505.16	16.27	0.146	1,758.143	0.00	16.27	227.59
505.17	16.28	0.146	1,759.657	0.00	16.28	228.18
505.18	16.28	0.146	1,761.172	0.00	16.28	228.77
505.19	16.29	0.147	1,762.688	0.00	16.29	229.36
505.20	16.29	0.147	1,764.204	0.00	16.29	229.96
505.21	16.30	0.148	1,765.721	0.00	16.30	230.55
505.22	16.31	0.148	1,767.239	0.00	16.31	231.15
505.23	16.31	0.148	1,768.758	0.00	16.31	231.74
505.24	16.32	0.149	1,770.277	0.00	16.32	232.34

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Dry Detention Basin
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
505.25	16.32	0.149	1,771.796	0.00	16.32	232.93
505.26	16.33	0.150	1,773.317	0.00	16.33	233.53
505.27	16.34	0.150	1,774.838	0.00	16.34	234.13
505.28	16.34	0.150	1,776.359	0.00	16.34	234.73
505.29	16.35	0.151	1,777.881	0.00	16.35	235.33
505.30	16.35	0.151	1,779.404	0.00	16.35	235.92
505.31	16.36	0.152	1,780.928	0.00	16.36	236.52
505.32	16.37	0.152	1,782.452	0.00	16.37	237.12
505.33	16.37	0.152	1,783.977	0.00	16.37	237.72
505.34	16.38	0.153	1,785.503	0.00	16.38	238.32
505.35	16.38	0.153	1,787.029	0.00	16.38	238.93
505.36	16.39	0.154	1,788.556	0.00	16.39	239.53
505.37	16.40	0.154	1,790.083	0.00	16.40	240.13
505.38	16.40	0.154	1,791.611	0.00	16.40	240.73
505.39	16.41	0.155	1,793.140	0.00	16.41	241.34
505.40	16.41	0.155	1,794.670	0.00	16.41	241.94
505.41	16.42	0.156	1,796.200	0.00	16.42	242.54
505.42	16.43	0.156	1,797.730	0.00	16.43	243.15
505.43	16.43	0.157	1,799.262	0.00	16.43	243.76
505.44	16.44	0.157	1,800.794	0.00	16.44	244.36
505.45	16.44	0.157	1,802.327	0.00	16.44	244.97
505.46	16.45	0.158	1,803.860	0.00	16.45	245.57
505.47	16.46	0.158	1,805.394	0.00	16.46	246.18
505.48	16.46	0.159	1,806.929	0.00	16.46	246.79
505.49	16.47	0.159	1,808.464	0.00	16.47	247.40
505.50	16.47	0.159	1,810.000	0.00	16.47	248.01

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	500.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	1.000 min

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.19 ft³/s	Time to Peak (Flow, In)	2.000 min
Flow (Peak Outlet)	0.49 ft³/s	Time to Peak (Flow, Outlet)	22.000 min

Elevation (Water Surface, Peak)	502.45 ft
Volume (Peak)	0.049 ac-ft

Mass Balance (ac-ft)	
Volume (Initial)	0.000 ac-ft
Volume (Total Inflow)	0.060 ac-ft
Volume (Total Infiltration)	0.000 ac-ft
Volume (Total Outlet Outflow)	0.060 ac-ft
Volume (Retained)	0.000 ac-ft
Volume (Unrouted)	0.000 ac-ft
Error (Mass Balance)	0.3 %

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	500.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	1.000 min

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	3.23 ft³/s	Time to Peak (Flow, In)	2.000 min
Flow (Peak Outlet)	0.68 ft³/s	Time to Peak (Flow, Outlet)	22.000 min

Elevation (Water Surface, Peak)	503.28 ft
Volume (Peak)	0.076 ac-ft

Mass Balance (ac-ft)	
Volume (Initial)	0.000 ac-ft
Volume (Total Inflow)	0.089 ac-ft
Volume (Total Infiltration)	0.000 ac-ft
Volume (Total Outlet Outflow)	0.075 ac-ft
Volume (Retained)	0.013 ac-ft
Volume (Unrouted)	0.000 ac-ft
Error (Mass Balance)	0.5 %

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	500.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	1.000 min

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	3.80 ft³/s	Time to Peak (Flow, In)	2.000 min
Flow (Peak Outlet)	0.89 ft³/s	Time to Peak (Flow, Outlet)	22.000 min

Elevation (Water Surface, Peak)	503.67 ft
Volume (Peak)	0.089 ac-ft

Mass Balance (ac-ft)	
Volume (Initial)	0.000 ac-ft
Volume (Total Inflow)	0.105 ac-ft
Volume (Total Infiltration)	0.000 ac-ft
Volume (Total Outlet Outflow)	0.085 ac-ft
Volume (Retained)	0.019 ac-ft
Volume (Unrouted)	-0.001 ac-ft
Error (Mass Balance)	0.5 %

Subsection: Level Pool Pond Routing Summary
Label: Dry Detention Basin (IN)
Scenario: 100 year LFB

Return Event: 100 years
Storm Event:

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	504.20 ft
Volume (Initial)	0.108 ac-ft
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	1.000 min

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	4.35 ft³/s	Time to Peak (Flow, In)	2.000 min
Flow (Peak Outlet)	4.35 ft³/s	Time to Peak (Flow, Outlet)	20.000 min

Elevation (Water Surface, Peak)	504.46 ft
Volume (Peak)	0.118 ac-ft

Mass Balance (ac-ft)	
Volume (Initial)	0.108 ac-ft
Volume (Total Inflow)	0.120 ac-ft
Volume (Total Infiltration)	0.000 ac-ft
Volume (Total Outlet Outflow)	0.120 ac-ft
Volume (Retained)	0.108 ac-ft
Volume (Unrouted)	0.000 ac-ft
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: Dry Detention Basin (IN)
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	500.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	1.000 min

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	4.35 ft³/s	Time to Peak (Flow, In)	2.000 min
Flow (Peak Outlet)	1.01 ft³/s	Time to Peak (Flow, Outlet)	22.000 min

Elevation (Water Surface, Peak)	504.04 ft
Volume (Peak)	0.103 ac-ft

Mass Balance (ac-ft)	
Volume (Initial)	0.000 ac-ft
Volume (Total Inflow)	0.120 ac-ft
Volume (Total Infiltration)	0.000 ac-ft
Volume (Total Outlet Outflow)	0.095 ac-ft
Volume (Retained)	0.025 ac-ft
Volume (Unrouted)	-0.001 ac-ft
Error (Mass Balance)	0.4 %

Subsection: Pond Inflow Summary
Label: Dry Detention Basin (IN)
Scenario: Post-Development 2 year

Return Event: 2 years
Storm Event:

Summary for Hydrograph Addition at 'Dry Detention Basin'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Basin Inflow

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (min)	Flow (Peak) (ft³/s)
Flow (From)	Basin Inflow	0.060	2.000	2.19
Flow (In)	Dry Detention Basin	0.060	2.000	2.19

Subsection: Pond Inflow Summary
Label: Dry Detention Basin (IN)
Scenario: Post-Development 15 year

Return Event: 15 years
Storm Event:

Summary for Hydrograph Addition at 'Dry Detention Basin'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Basin Inflow

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (min)	Flow (Peak) (ft³/s)
Flow (From)	Basin Inflow	0.089	2.000	3.23
Flow (In)	Dry Detention Basin	0.089	2.000	3.23

Summary for Hydrograph Addition at 'Dry Detention Basin'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Basin Inflow

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (min)	Flow (Peak) (ft³/s)
Flow (From)	Basin Inflow	0.105	2.000	3.80
Flow (In)	Dry Detention Basin	0.105	2.000	3.80

Summary for Hydrograph Addition at 'Dry Detention Basin'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Basin Inflow

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (min)	Flow (Peak) (ft³/s)
Flow (From)	Basin Inflow	0.120	2.000	4.35
Flow (In)	Dry Detention Basin	0.120	2.000	4.35

Subsection: Pond Inflow Summary
Label: Dry Detention Basin (IN)
Scenario: Post- Development 100 year

Return Event: 100 years
Storm Event:

Summary for Hydrograph Addition at 'Dry Detention Basin'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Basin Inflow

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (min)	Flow (Peak) (ft³/s)
Flow (From)	Basin Inflow	0.120	2.000	4.35
Flow (In)	Dry Detention Basin	0.120	2.000	4.35

Index

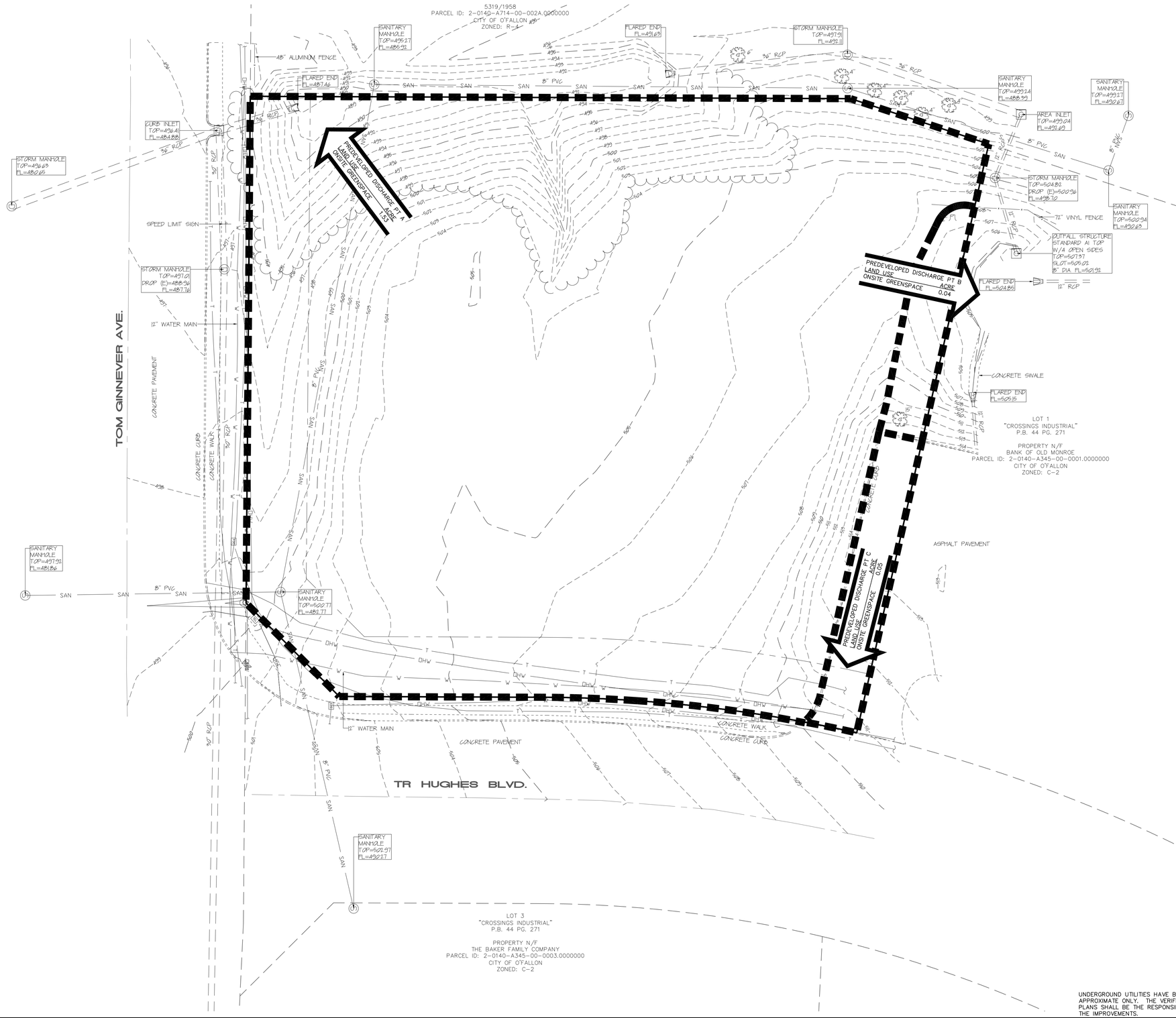
Appendix D

- Predeveloped Drainage Area Map
- Postdeveloped Drainage Area Map

BAX ENGINEERING CO.
221 Point West Blvd.
St. Charles, MO 63301
(636) 928-5552 Fax: (636) 928-1718
www.baxengineering.com

THIS SHEET IS FOR DRAINAGE PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION.

Exhibit A
Predeveloped Drainage Area Map
Dollar General
97-9203V



GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

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Todd C. Flauaus
Engineer
Engineers License #2005000982
2021

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Exhibit B
Postdeveloped Drainage Area Map
Dollar General
97-9203V

GRAPHIC SCALE
20 0 10 20
(IN FEET)
1 inch = 20 ft.

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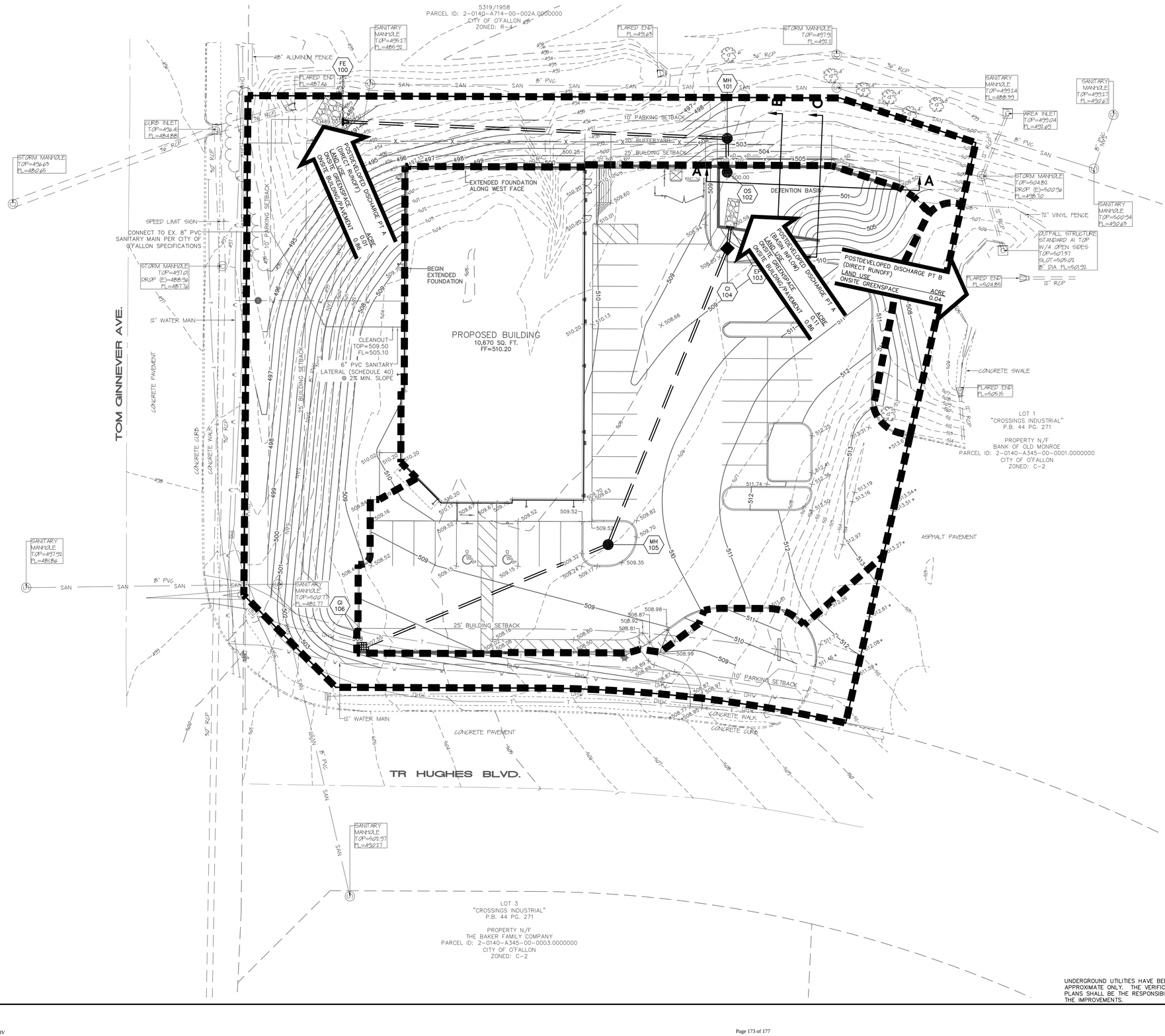

Todd C. Flauaus
Engineer
Engineers License #2005000982
2021

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Appendix E

- Basin Control Structure
- BMP Water Quality Snout Details

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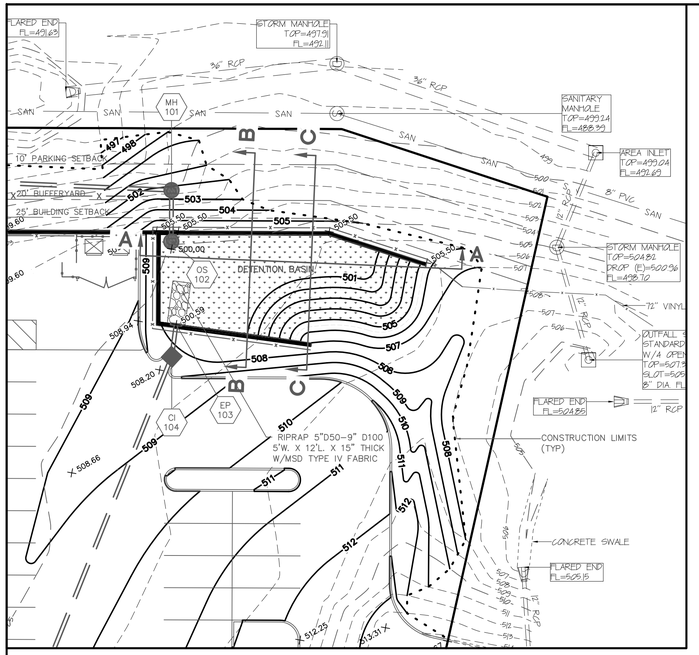


Detention Basin Detail

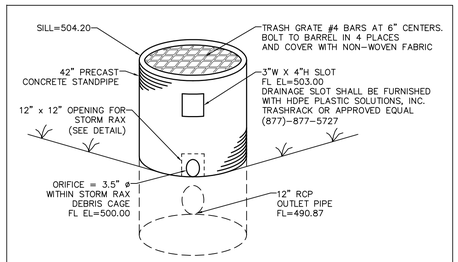
SCALE: 1"=20'

NOTE: SOD BOTTOM OF BASIN UP TO 505 ELEVATION

GRAPHIC SCALE

20 0 10 20

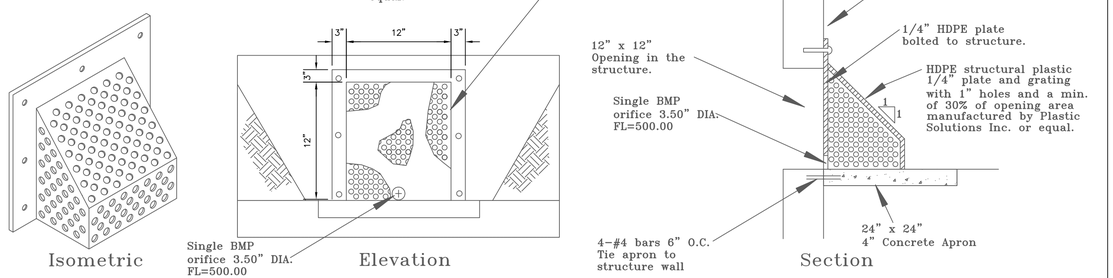
(IN FEET)
1 inch = 20 ft.



BASIN OVERFLOW STRUCTURE 102 DETAIL

NOT TO SCALE

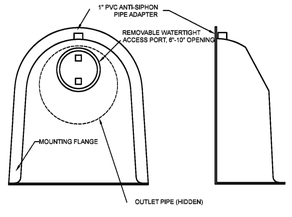
2 YEAR 20 MINUTE HIGHWATER = 502.45
15 YEAR 20 MINUTE HIGHWATER = 503.28
25 YEAR 20 MINUTE HIGHWATER = 503.67
100 YEAR 20 MINUTE HIGHWATER = 504.04
100 YEAR 20 MINUTE HIGHWATER LFB = 504.46



STORM RAX BMP DEBRIS CAGE OS 102 DRY DETENTION BASIN

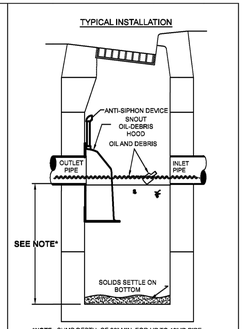
N.T.S.

CONFIGURATION DETAIL



SNOUT OIL-WATER-DEBRIS SEPARATOR

TYPICAL INSTALLATION



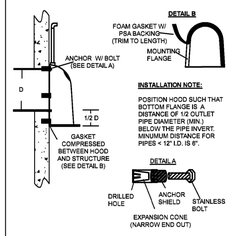
*NOTE- SUMP DEPTH OF 36" MIN. FOR UP TO 12" ID PIPE. OUTLET FOR PIPES 15" ID AND ABOVE SUMP DEPTH OF 2.5 TO 3 TIMES PIPE ID RECOMMENDED (E.G. 5' DEEP for 24" PIPE)

NOTES:

1. ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE AS MANUFACTURED BY:
   BEST MANAGEMENT PRODUCTS, INC.
   9 MATHEWS DRIVE, UNIT A1-A2.
   EAST HADDAM, CT 06423
   TOLL FREE: (800) 504-8008 OR (888) 434-0277, FAX: (877) 434-3197
   WEB SITE: www.bmpinc.com
   OR PRE-APPROVED EQUAL
2. ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125" LAMINATE THICKNESS.
3. ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT PIPE AND ELBOW AS DRAWN. (SEE CONFIGURATION DETAIL)
4. THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION (SNOUT SIZE ALWAYS LARGER THAN PIPE SIZE).
5. THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A MINIMUM DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES <12" I.D.
6. THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 12" ACCORDING TO STRUCTURE CONFIGURATION.
7. THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL AND PIPE SHALL BE FINISHED FLUSH TO WALL.
8. ALL STRUCTURE JOINTS SHALL BE WATERTIGHT.
9. THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH ⅜" STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL)
10. INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT.
    INSTALLATION KIT SHALL INCLUDE:
    A. INSTALLATION INSTRUCTIONS
    B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER
    C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING
    D. 3/8" STAINLESS STEEL BOLTS
    E. ANCHOR SHIELDS

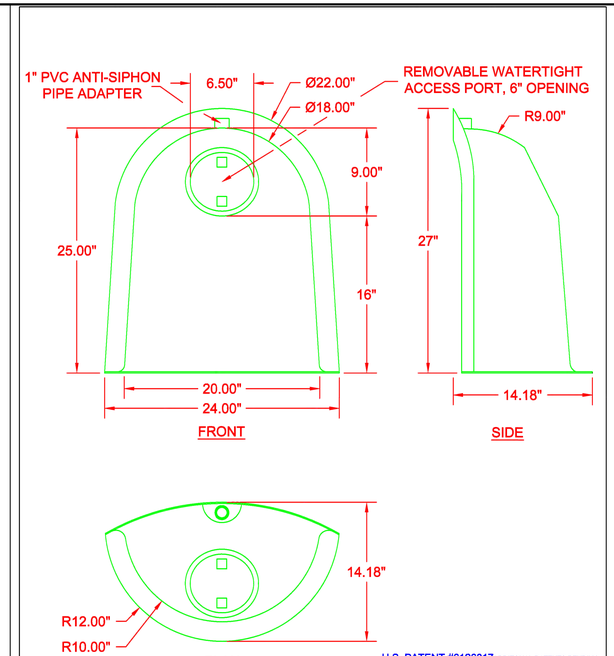
US Patent # 6126817, 7951294, 7857966, 8512556
Canada Patent # 2285146, 2690156, 2690156 others pending

INSTALLATION DETAIL



HOOD SPECIFICATION FOR CATCH BASINS AND WATER QUALITY STRUCTURES

DESCRIPTION	DATE	SCALE
OIL- DEBRIS HOOD SPECIFICATION AND INSTALLATION (TYPICAL)	09/08/18	NONE
	DRAWING NUMBER	SP-SN

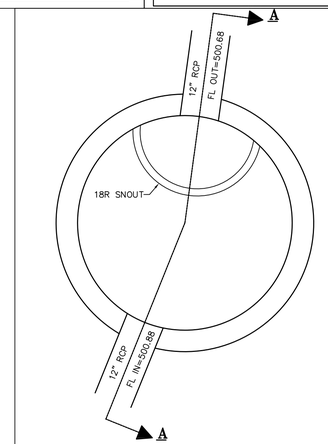


U.S. PATENT #6126817 ADDITONAL PATENTS PENDING

DESIGNED TO FIT
48"-60" DIAM.
STRUCTURES

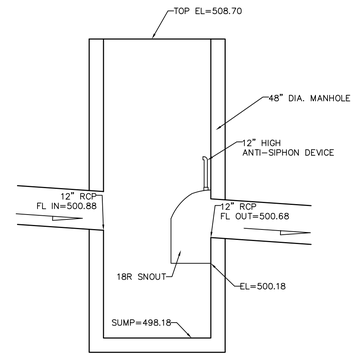
BMP, INC.
53 MT. ARCHER ROAD, LYME, CT. 06371
(800) 504-8008 FAX: (860)434-3195

DESCRIPTION	DATE	SCALE
18R SNOUT OIL & DEBRIS STOP	09/06/99	NONE
	DRAWING NUMBER	18R



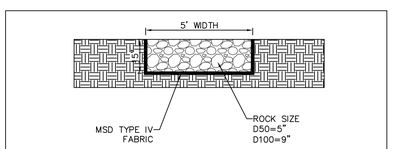
SNOUT DETAIL CI 104 PLAN VIEW

NOT TO SCALE



SNOUT DETAIL CI 104 PROFILE VIEW: A-A

NOT TO SCALE



RIPRAP AT EP 103

NOT TO SCALE

*ALL ROCK BLANKETS REQUIRE MSD TYPE IV FABRIC (OR EQUAL)
*ROCK BLANKET SHALL HAVE A 12' LENGTH

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PROJECT TITLE:
CONSTRUCTION PLANS FOR
Dollar General
395 TR Hughes Boulevard
O'Fallon, MO 63366

Bax Project #97-9203V | Issue Date: 11/29/2022

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STATE OF MISSOURI
LARRY DAVID D. WALKER
NUMBER
PE-2007020343
PROFESSIONAL ENGINEER
11/29/22
Larry D. Walker
Civil Engineer
2007020343

REVISIONS

Developer / Owner:
DG Partners L.L.C.
5330 Salt River Road
St. Peters, MO 63376
(636) 970-0330

DETENTION BASIN DETAILS

P+Z No. 22-009150
Approved: 10-06-22

City No.
#

Page No.
11 of 14

Appendix F

- St. Charles County Rip Rap Sizing Guide

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Table 60-19 Riprap Outlet Dimensions

Pipe Dia. (in)	Velocity ≤ 5 fps				Velocity ≤ 10 fps			
	Rock Size (in)		Blanket		Rock Size (in)		Blanket	
	d_{50}	d_{100}	T (in)	L (ft)	d_{50}	d_{100}	T (in)	L (ft)
12	5	9	15	12	5	9	15	16
15	5	9	15	14	5	9	15	18
18-24	5	9	15	16	9	14	24	20
27-30	5	9	15	18	9	14	24	22
36-42	9	14	24	22	12	18	27	26
48-54	9	14	24	26	12	18	27	30
60-66	12	18	27	34	15	24	30	38
72-84	15	24	30	42	15	24	30	46
96	18	27	30	50	18	27	30	54

For improved channel discharges, the velocity and flow depth will be used.
For non-circular discharges, the engineer will calculate a circular pipe equivalent.

Where: d_{50} = median stone size (50% stones equal or smaller size)
d_{100} = largest stone size (100% stones equal or smaller size)
T = blanket thickness
L = length of blanket

60.20.6 Temporary Stream Crossing

A temporary waterway crossing is a small waterway crossing required when in-stream utility construction is involved or when construction vehicles need to cross. Generally this is applicable to flowing streams with drainage areas less than one square mile. Structures or methodology for crossing streams with larger drainage areas should be designed by methods that more accurately define the actual hydrologic and hydraulic parameters that will affect the functioning of the structure. Crossings serve to help protect sediment from entering the stream from construction within approach areas, minimize the amount of disturbance within the stream itself, and allow vehicle access across the waterway.

60.20.6.1 Utility Crossings

Utility construction frequently crosses live streams. There is a potential for excessive sediment loss into a stream by both the disturbance of the approach areas and by the work within the streambed and banks. It is often a difficult task to decide what type of control to use for an open cut utility stream crossing. Consideration must be given to providing adequate mitigation of sediment loss while minimizing the amount of encroachment and time spent working in the channel. Consideration should be given to substantial in-stream controls or stream diversion in order to prevent excessive erosive damage. As with most ESC measures, site-specific design and innovative variations are encouraged. The following guidelines shall be addressed in the design:

1. The drainage area should be no greater than one square mile.